

Result

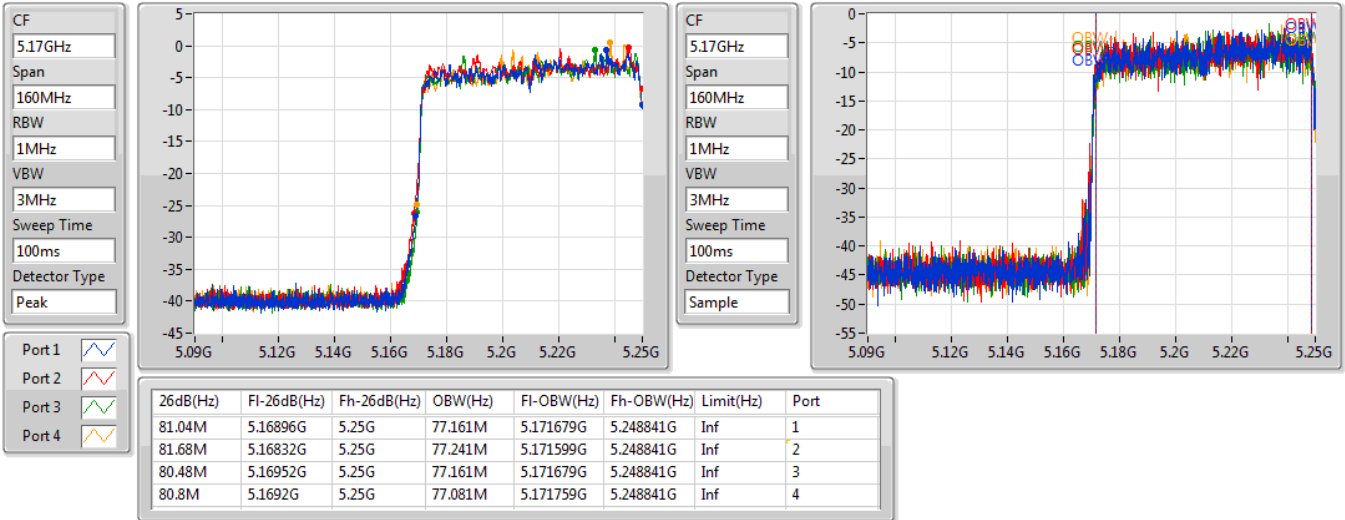
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.161M	81.68M	77.241M	80.48M	77.161M	80.8M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.92M	77.241M	82.88M	77.161M	82.56M	77.081M	81.68M	77.081M

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

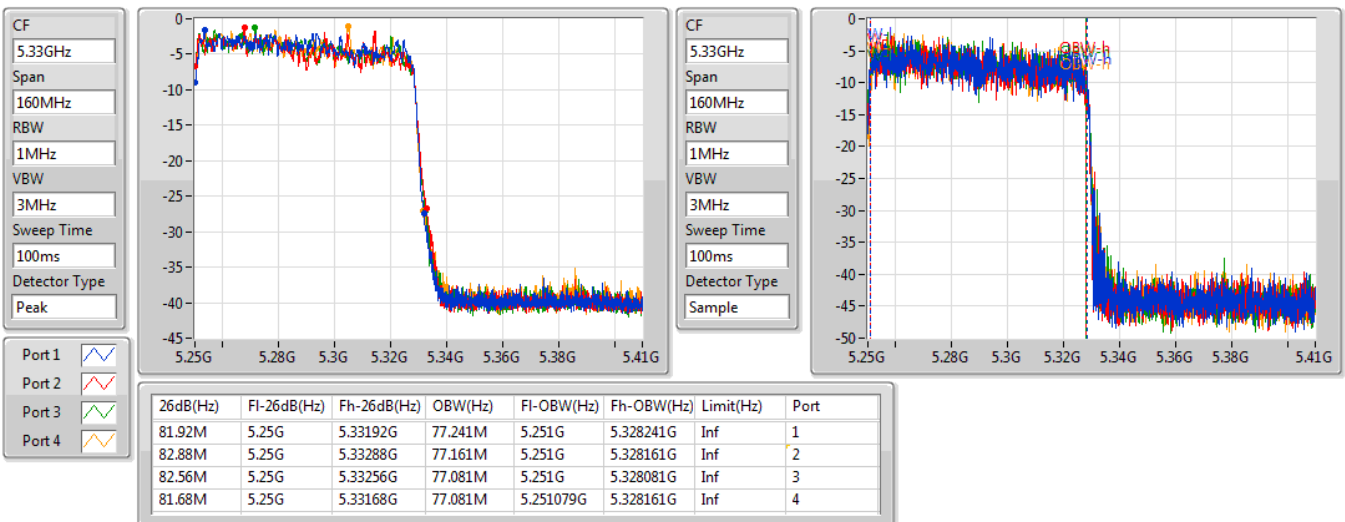
Port X-OBW = Port X 99% occupied bandwidth;

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

27/02/2019


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

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	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	134M	77.401M	77M4D1D	134M	77.401M

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

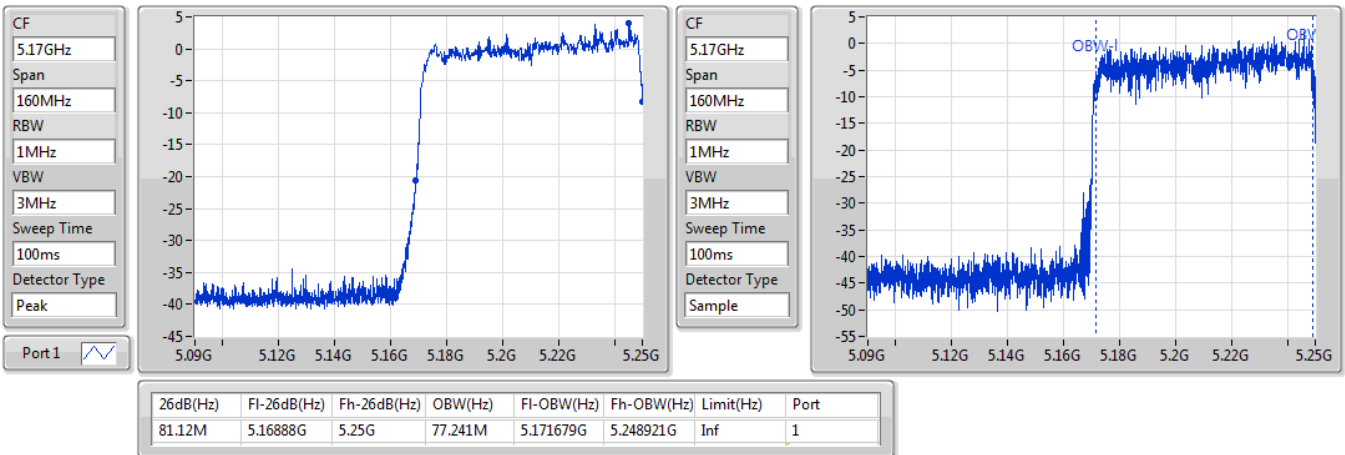
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	134M	77.401M

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

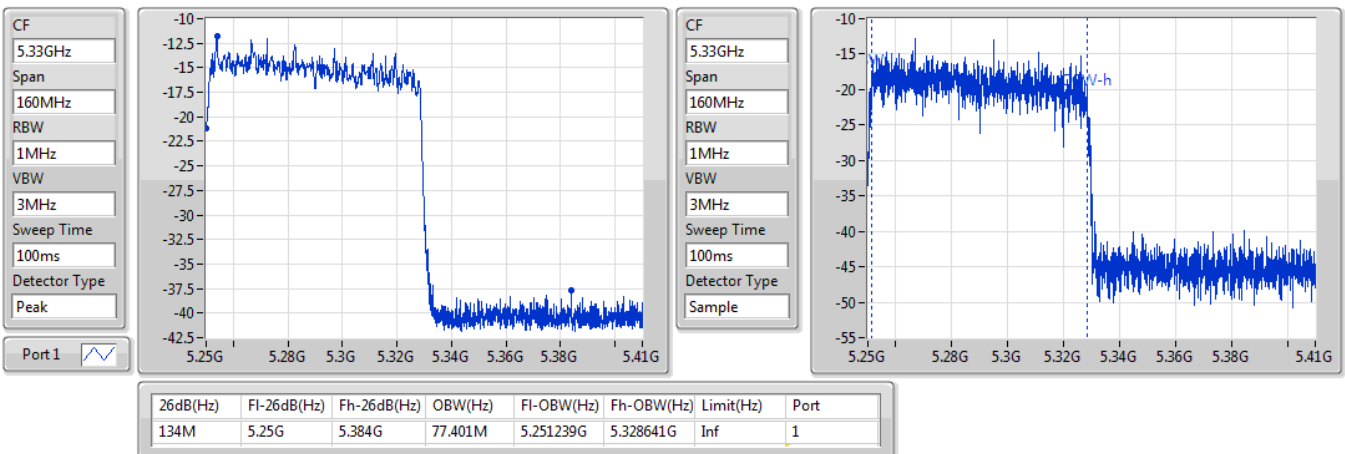
Port X-OBW = Port X 99% occupied bandwidth;

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

28/02/2019


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

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 HEW160_Nss2,(MCS0)_2TX	81.2M	77.001M	77M0D1D	80.56M	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

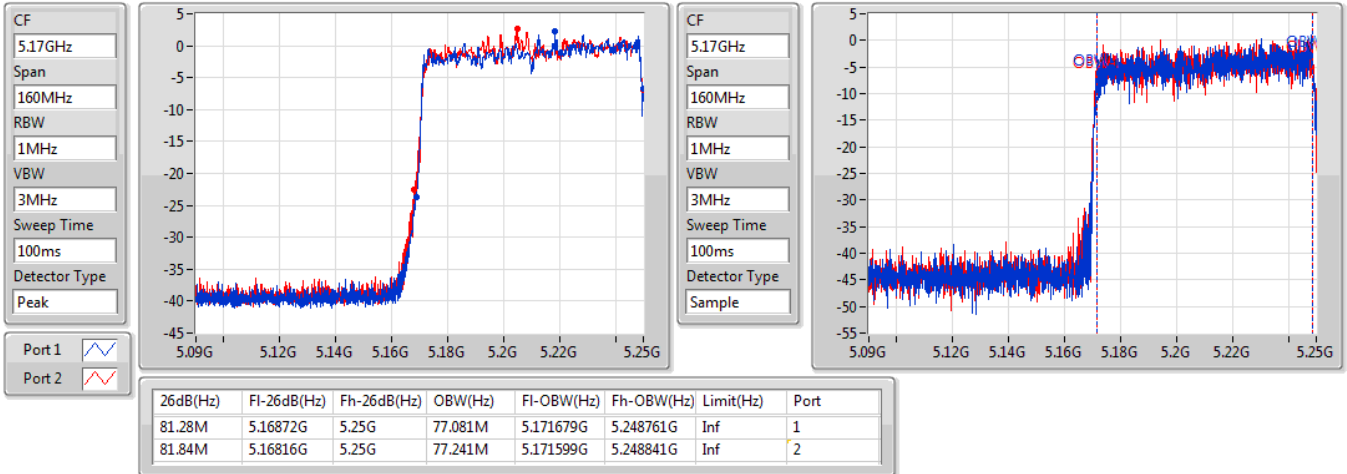
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.081M	81.84M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	80.56M	77.001M

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

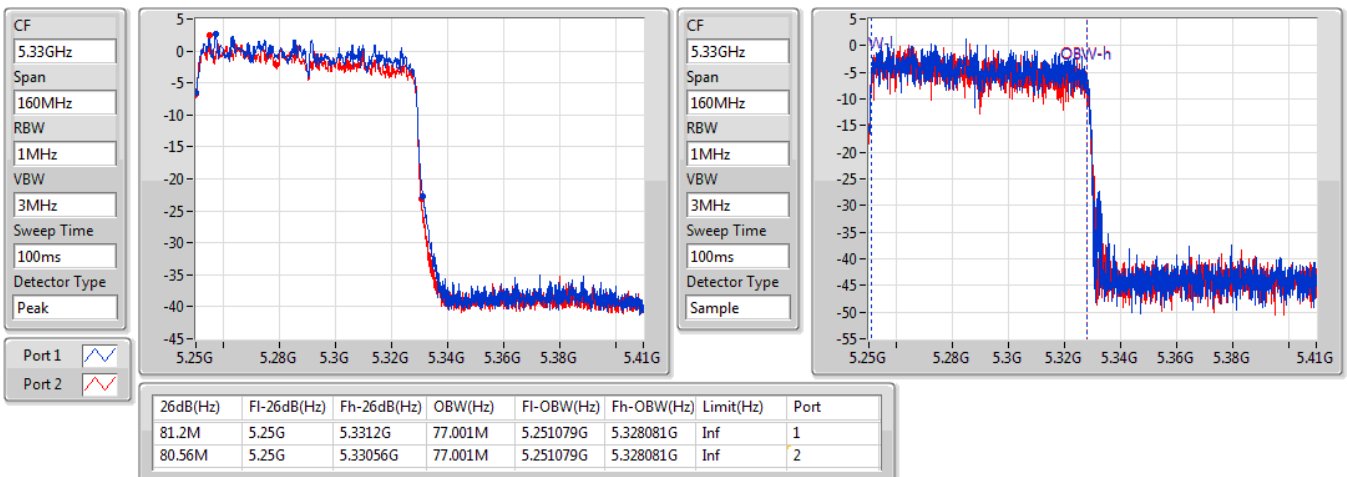
Port X-OBW = Port X 99% occupied bandwidth;

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

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

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	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0_4TX	81.36M	77.161M	77M2D1D	80.72M	76.922M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.081M	80.96M	77.241M	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

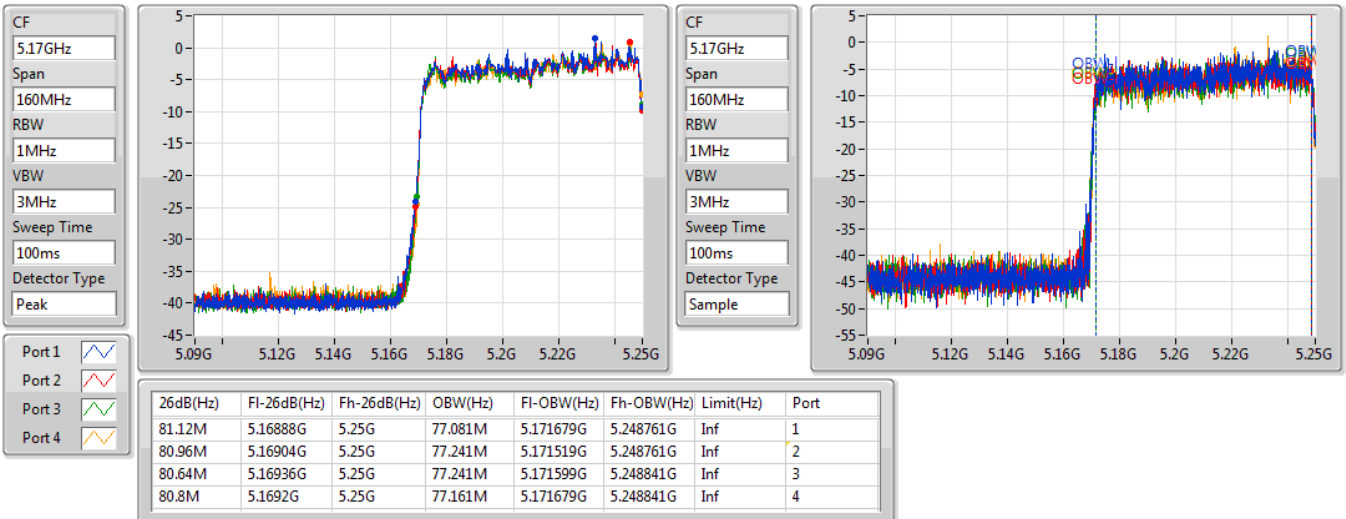
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11ax HEW160_Nss1,(MCS0_4TX 5250MHz Straddle 5.15-5.25GHz

EBW

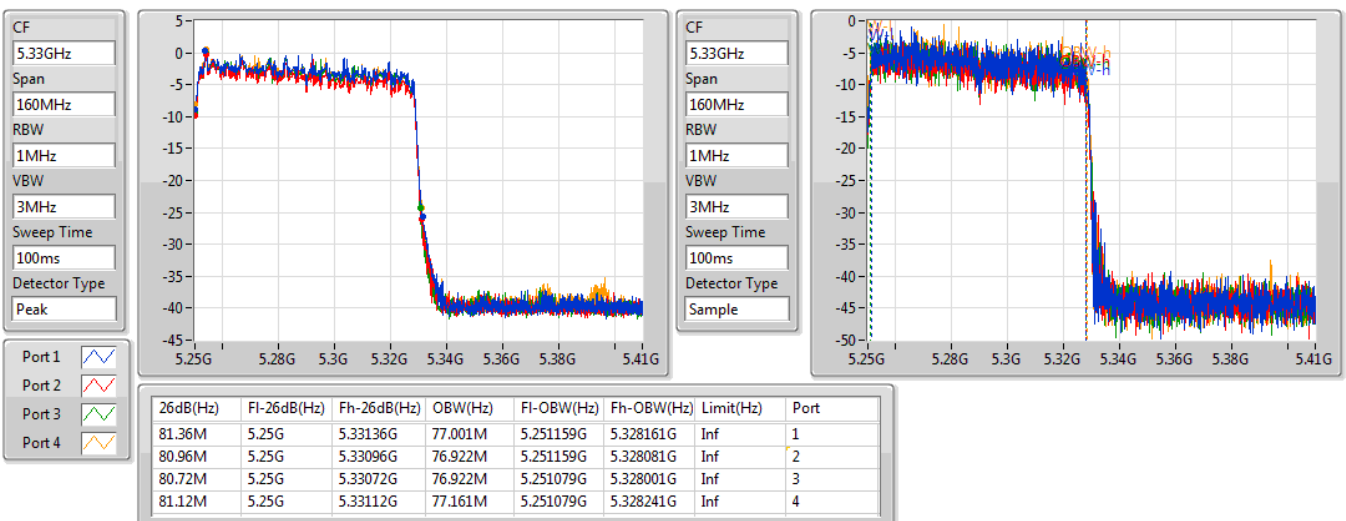
27/02/2019



802.11ax HEW160_Nss1,(MCS0_4TX 5250MHz Straddle 5.25-5.35GHz

EBW

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	77.321M	77M3D1D	80.8M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.84M	77.241M	77M2D1D	80.88M	77.081M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

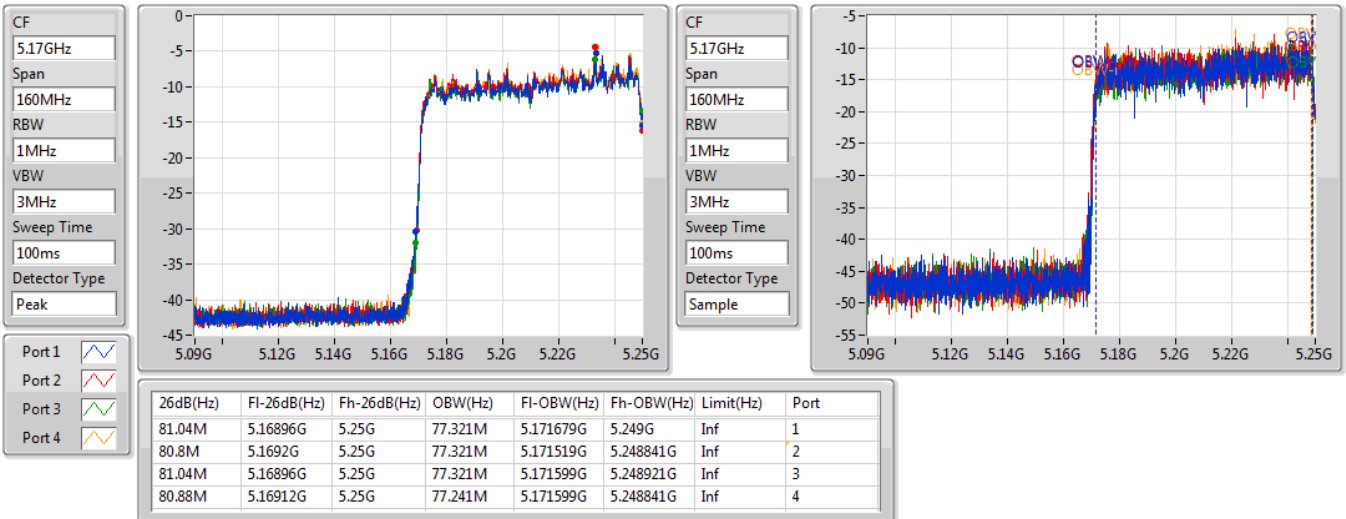
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.321M	80.8M	77.321M	81.04M	77.321M	80.88M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.52M	77.161M	80.88M	77.081M	81.84M	77.241M	81.44M	77.081M

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

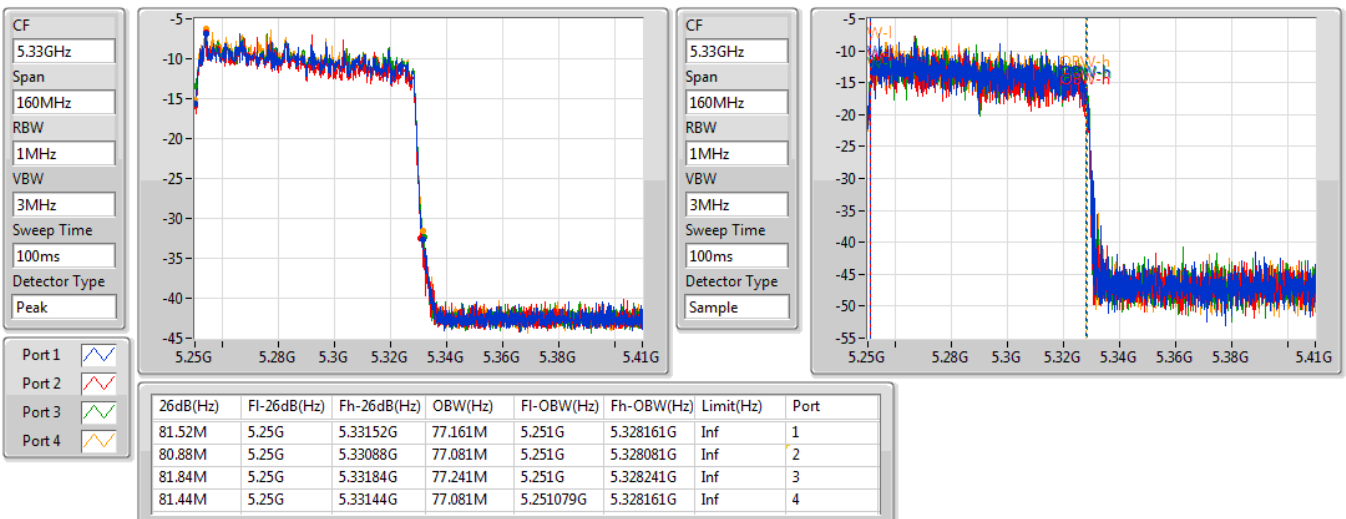
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW160-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	81.84M	77.161M	77M2D1D	80.56M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.96M	77.161M	77M2D1D	80.96M	76.922M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

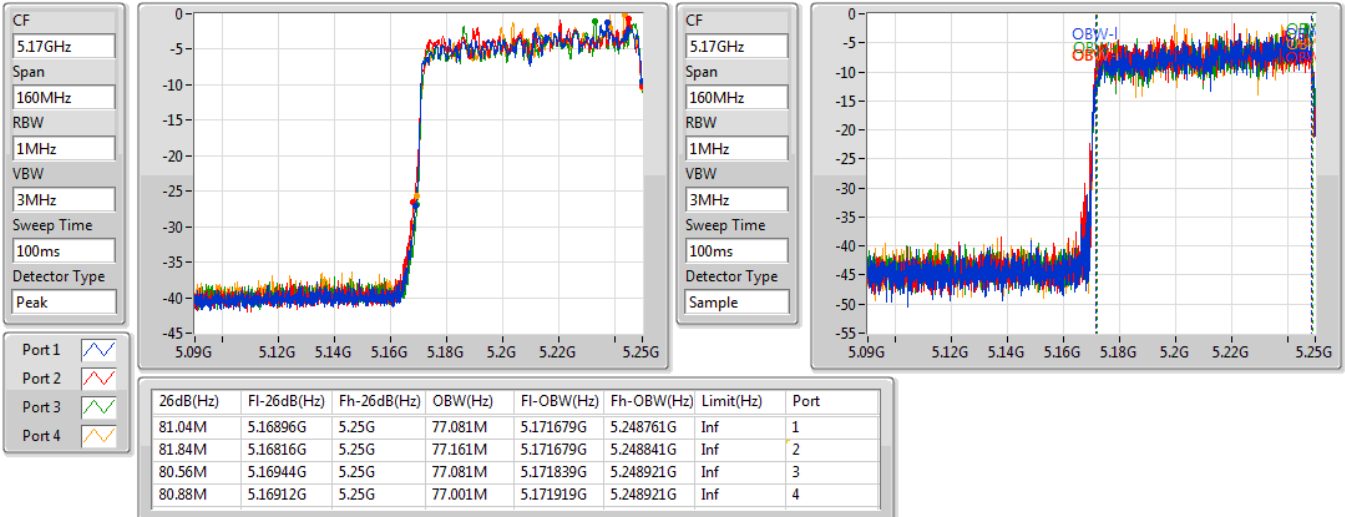
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.04M	77.081M	81.84M	77.161M	80.56M	77.081M	80.88M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.96M	77.001M	80.96M	77.161M	80.96M	77.081M	81.36M	76.922M

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

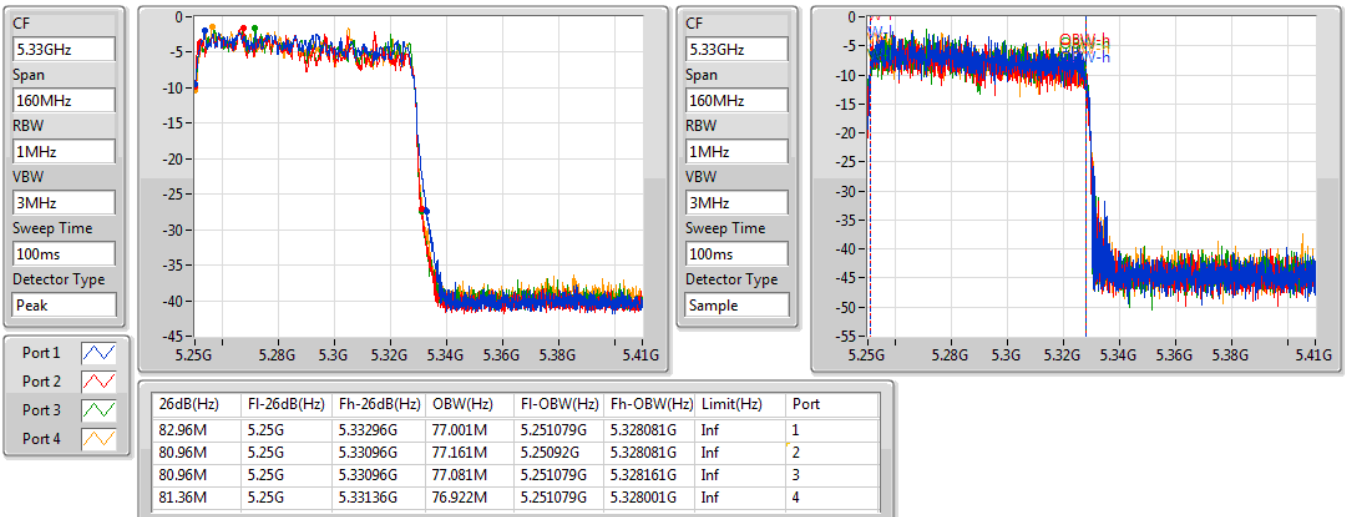
Port X-OBW = Port X 99% occupied bandwidth;

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

14/05/2019


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

14/05/2019



For Radio 2:

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

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

For Non-beamforming / 1T1S mode

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	80.88M	76.922M	76M9D1D	80.88M	76.922M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.4M	16.717M	16M7D1D	21.95M	16.617M
802.11ax HEW20_Nss1,(MCS0)_1TX	36.625M	19.04M	19M0D1D	26.15M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	75.4M	37.781M	37M8D1D	40M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.8M	77.261M	77M3D1D	81.8M	77.261M
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.001M	77M0D1D	81.12M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	43.475M	19.765M	19M8D1D	21.55M	14.543M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.475M	19.54M	19M5D1D	21.675M	14.603M
802.11ax HEW40_Nss1,(MCS0)_1TX	75.8M	37.881M	37M9D1D	39.95M	34.248M
802.11ax HEW80_Nss1,(MCS0)_1TX	91.875M	77.361M	77M4D1D	81.9M	73.388M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.8M	154.723M	155MD1D	164.8M	154.723M
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	21.95M	16.617M
5300MHz	Pass	Inf	38.4M	16.717M
5320MHz	Pass	Inf	27.2M	16.642M
5500MHz	Pass	Inf	21.65M	16.592M
5580MHz	Pass	Inf	43.475M	19.765M
5700MHz	Pass	Inf	21.55M	16.592M
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	36.4M	18.966M
5300MHz	Pass	Inf	36.625M	19.04M
5320MHz	Pass	Inf	26.15M	18.941M
5500MHz	Pass	Inf	23.1M	18.941M
5580MHz	Pass	Inf	41.475M	19.54M
5700MHz	Pass	Inf	21.675M	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	75.4M	37.781M
5310MHz	Pass	Inf	40M	37.531M
5510MHz	Pass	Inf	39.95M	37.581M
5550MHz	Pass	Inf	75.8M	37.881M
5670MHz	Pass	Inf	41M	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	81.8M	77.261M
5530MHz	Pass	Inf	81.9M	76.962M
5610MHz	Pass	Inf	84M	77.361M
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	80.88M	76.922M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.001M
5570MHz	Pass	Inf	164.8M	154.723M

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

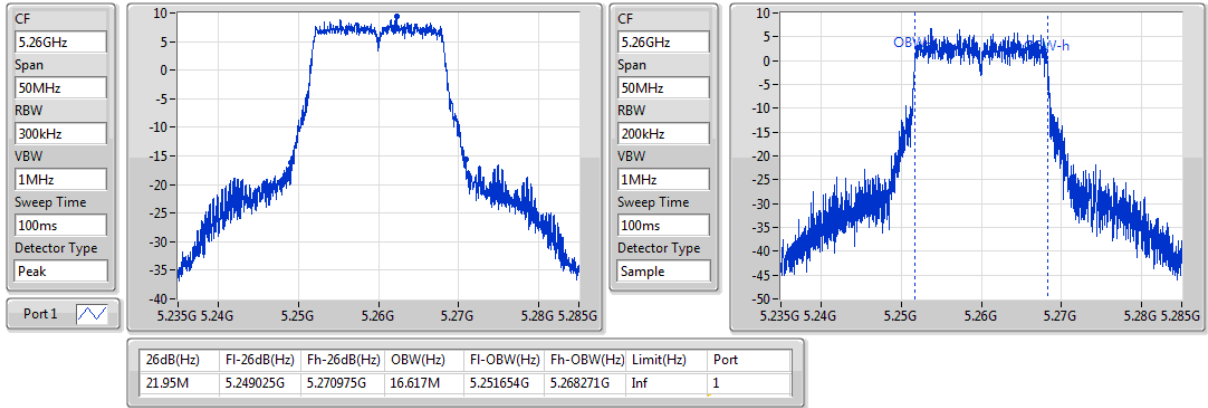
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

08/03/2019

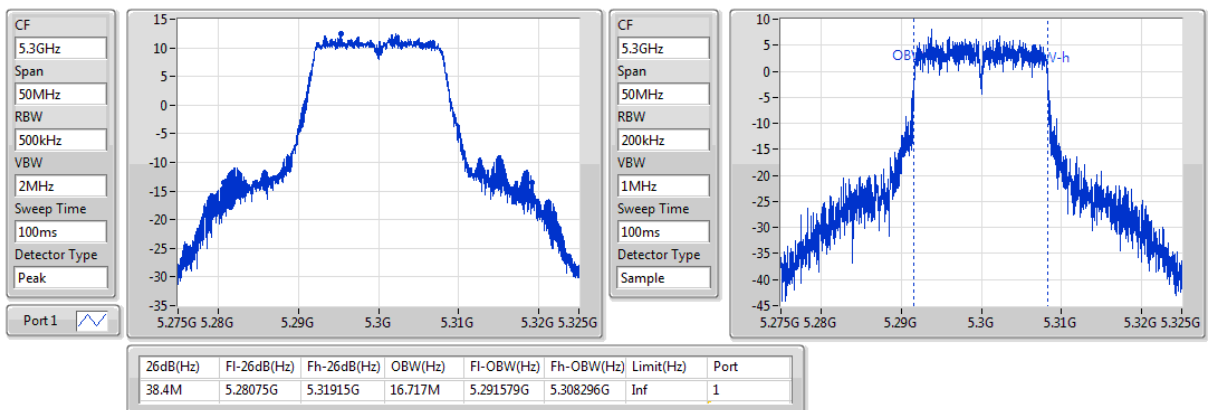


802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

08/03/2019

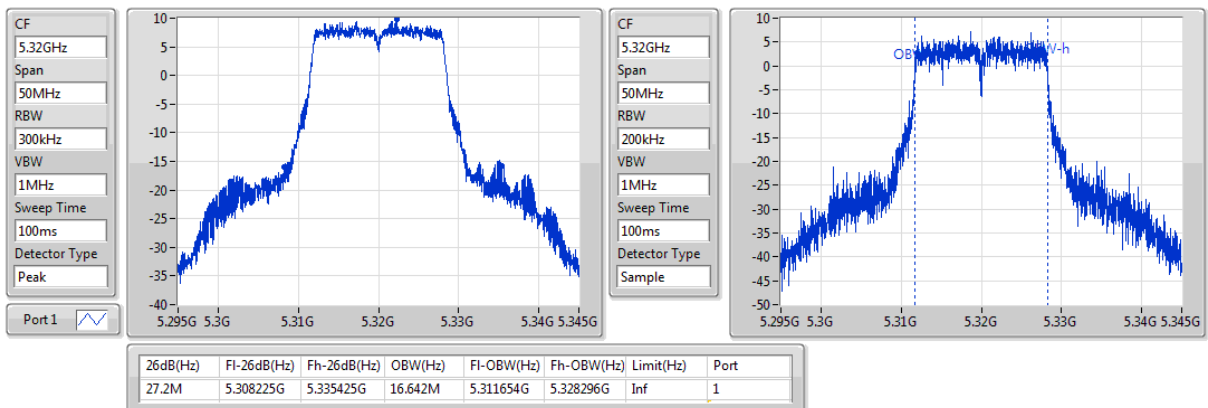


802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

08/03/2019

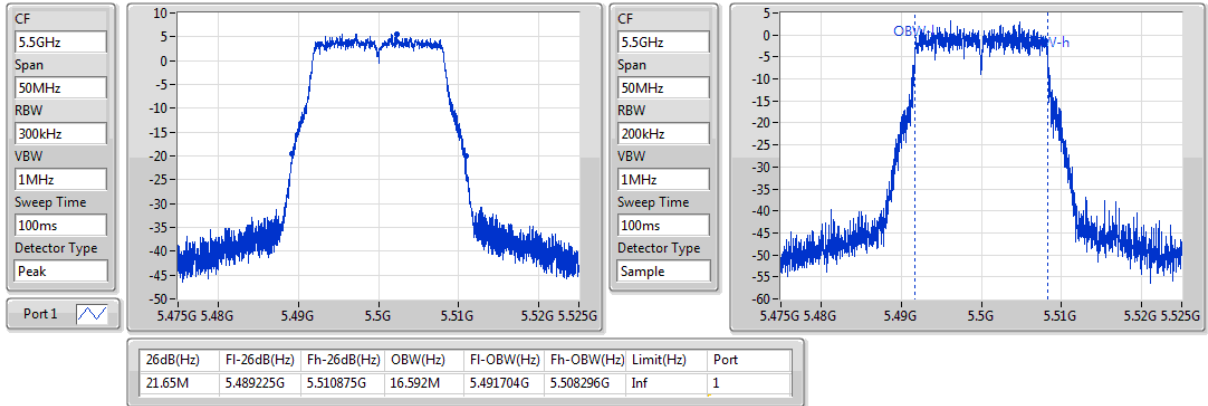


802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

08/03/2019

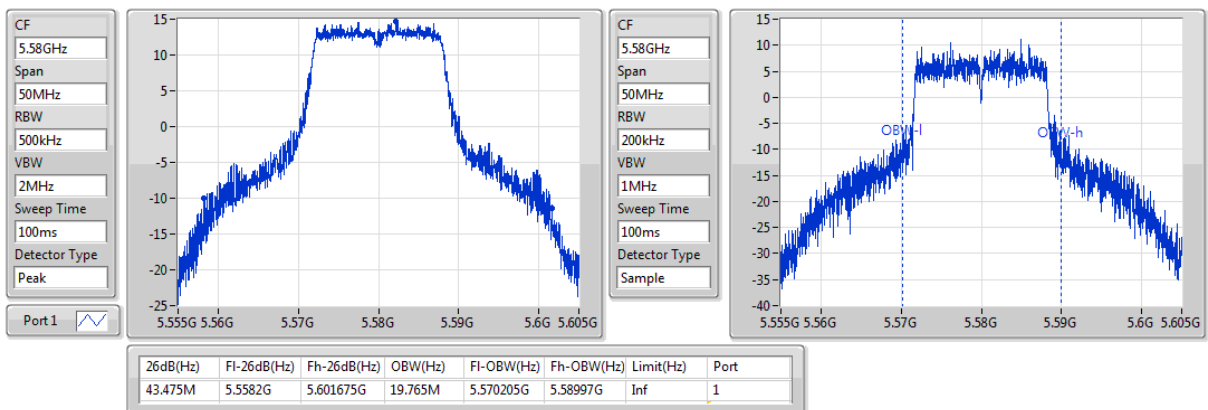


802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

08/03/2019

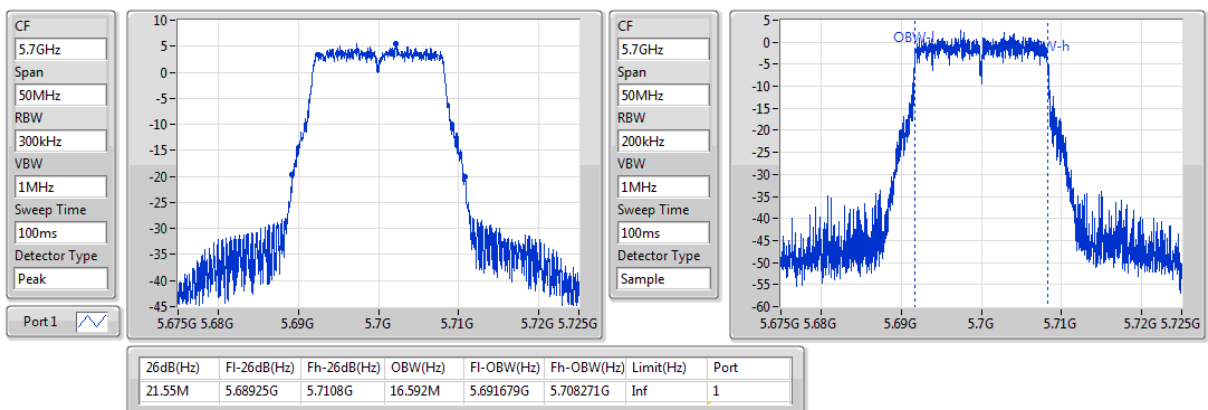


802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

08/03/2019

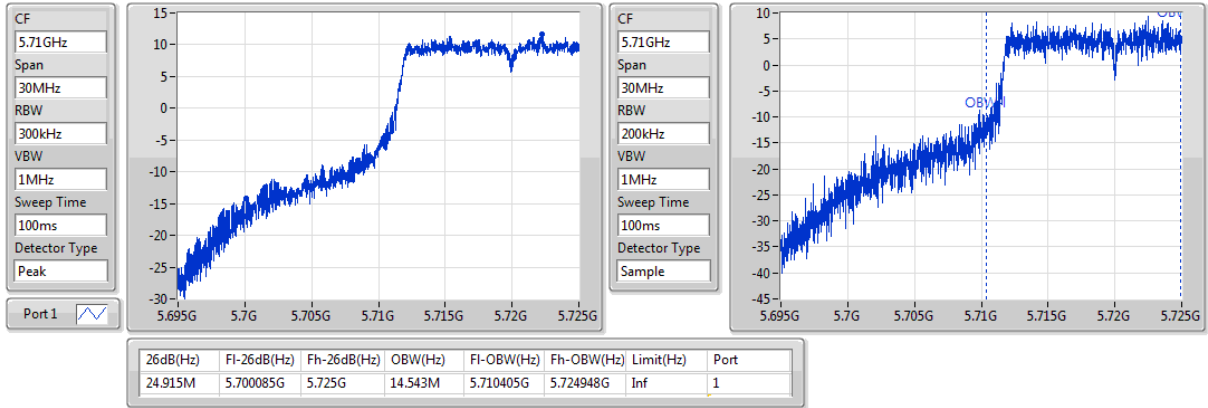


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

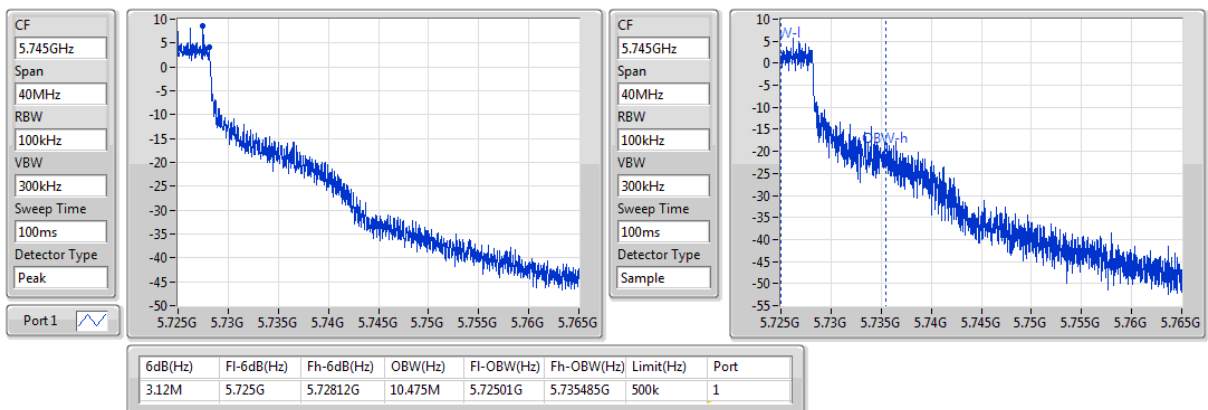


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

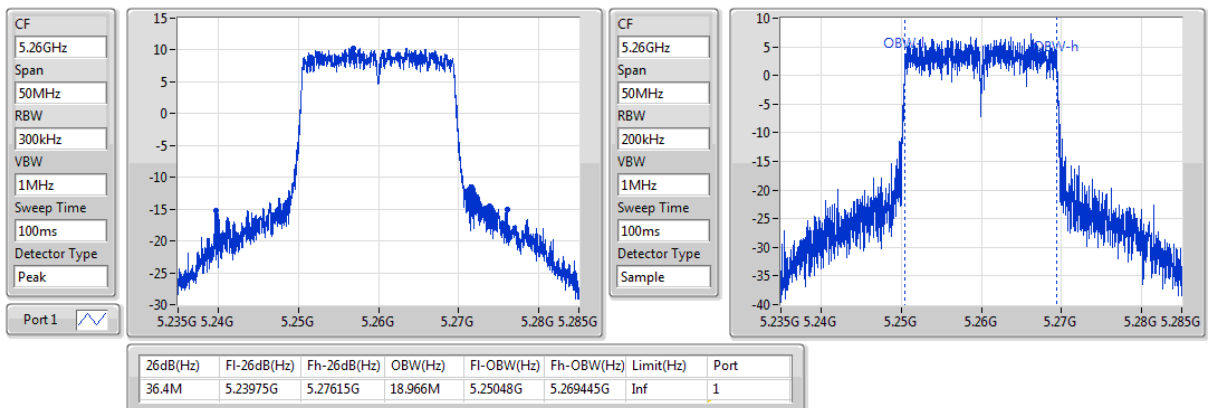


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

08/03/2019

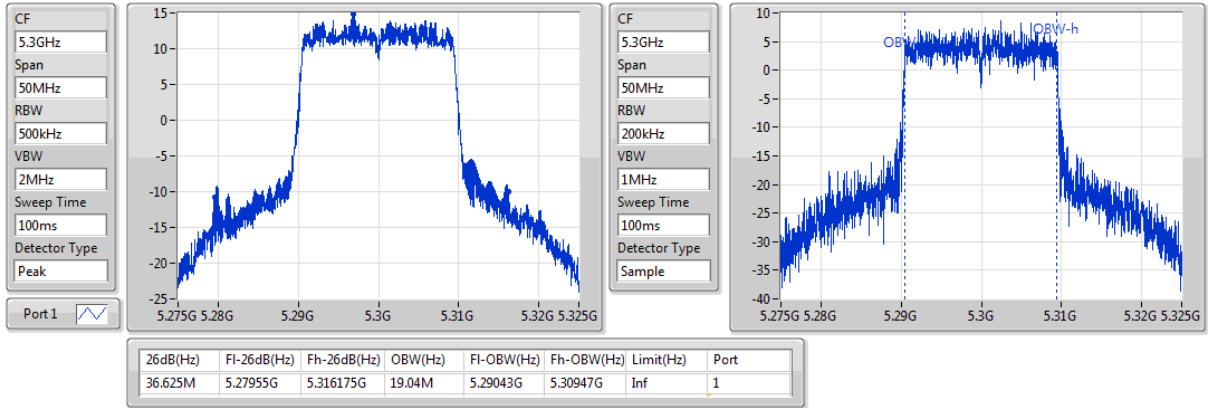


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

08/03/2019

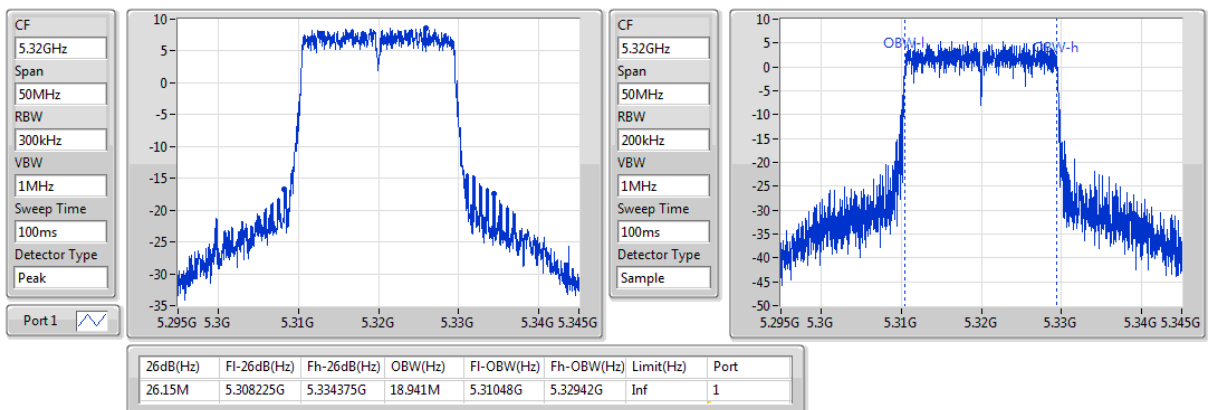


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

08/03/2019

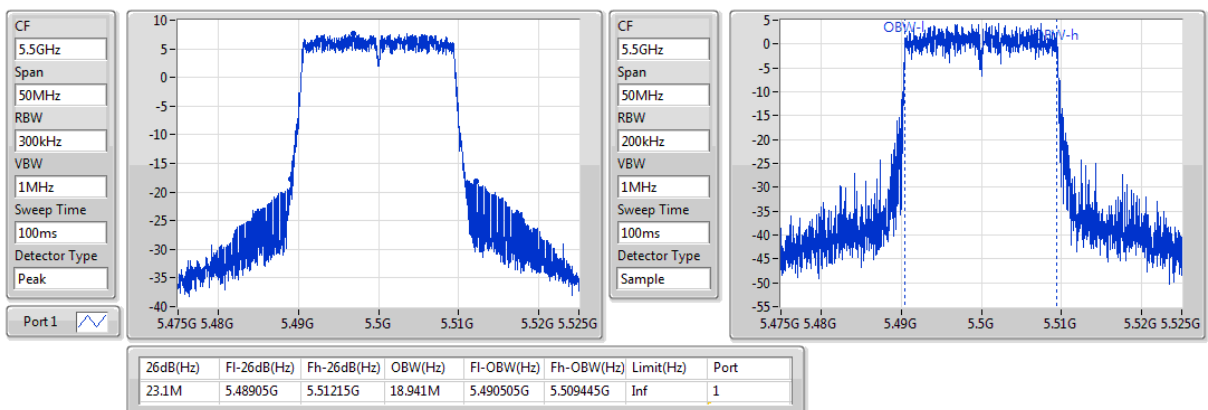


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

08/03/2019

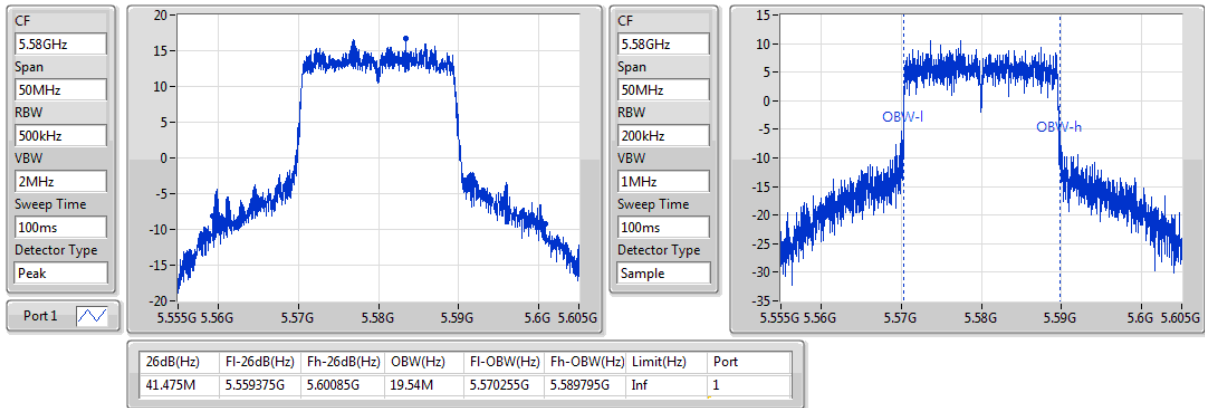


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

08/03/2019

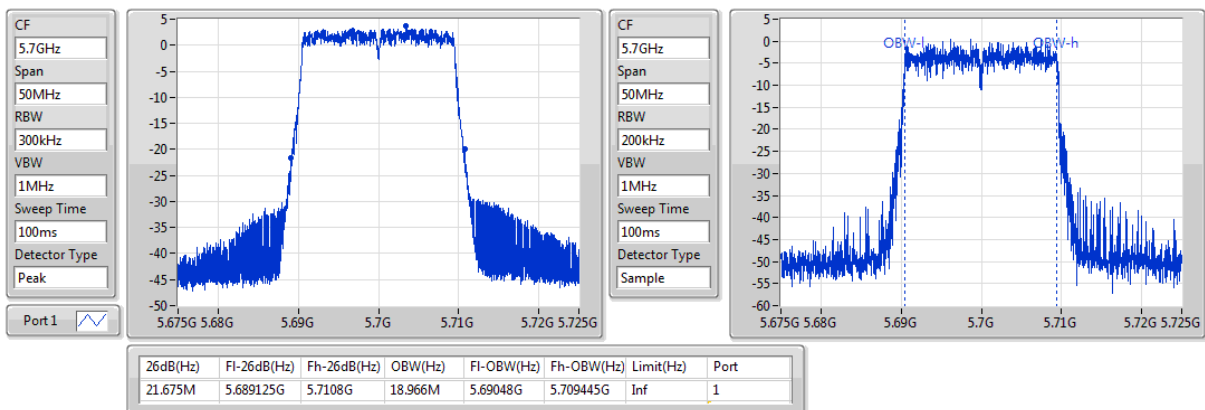


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

08/03/2019

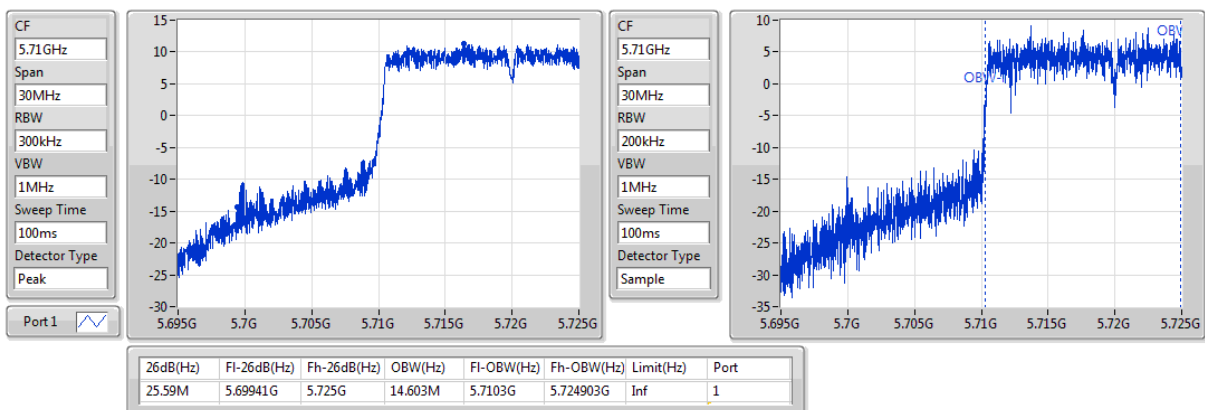


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

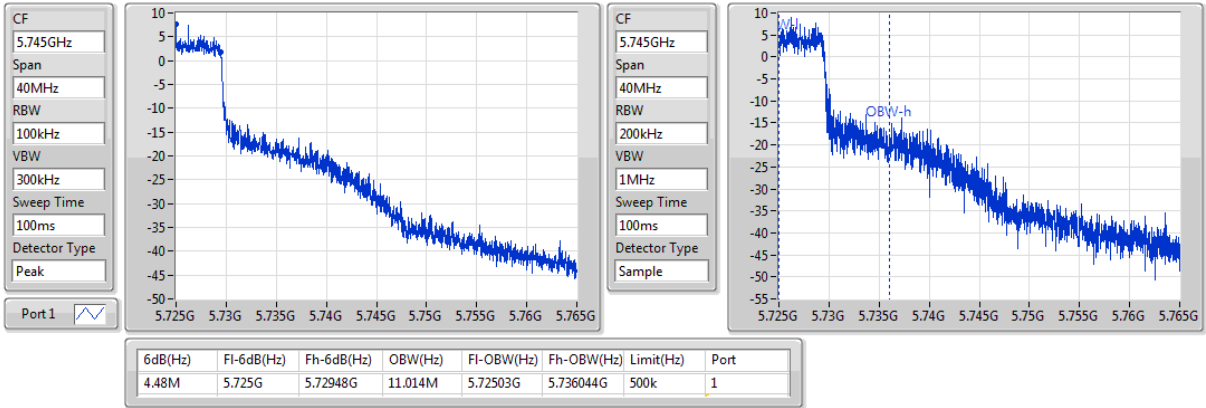


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

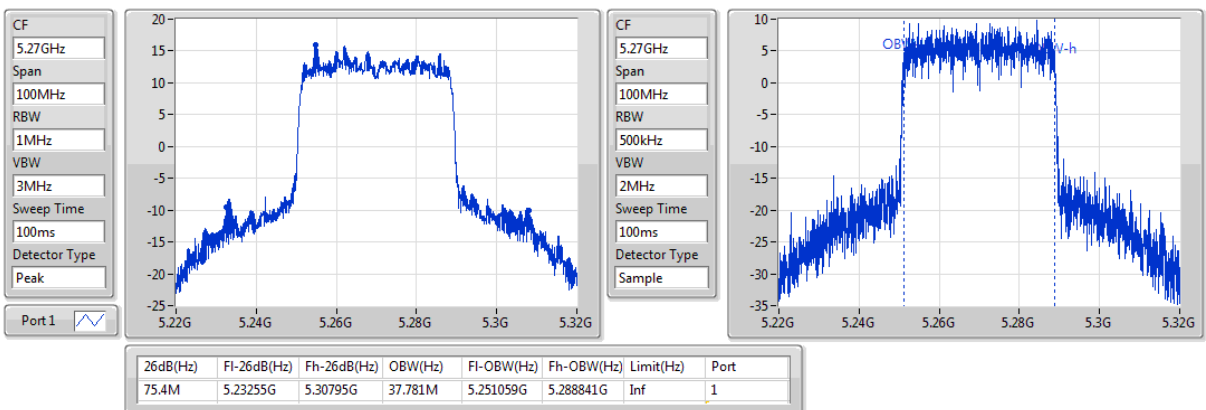


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

08/03/2019

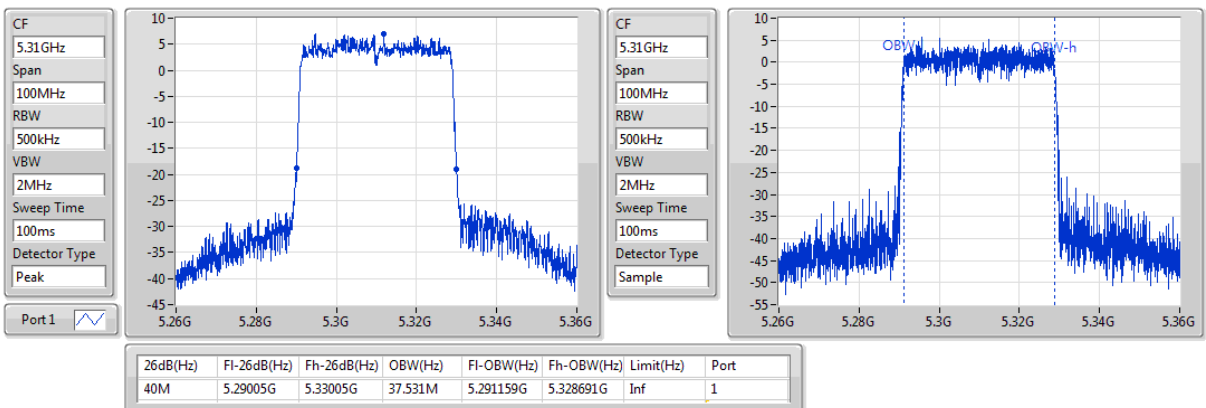


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

08/03/2019

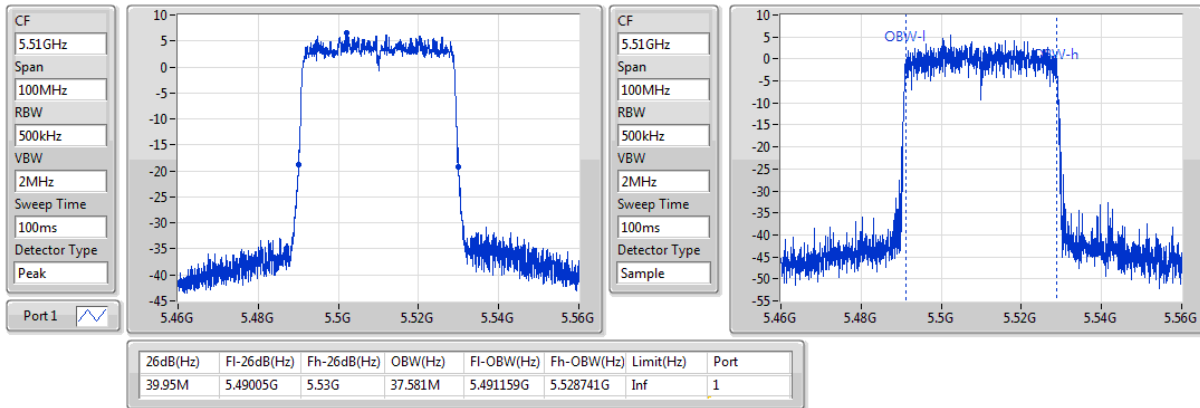


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

08/03/2019

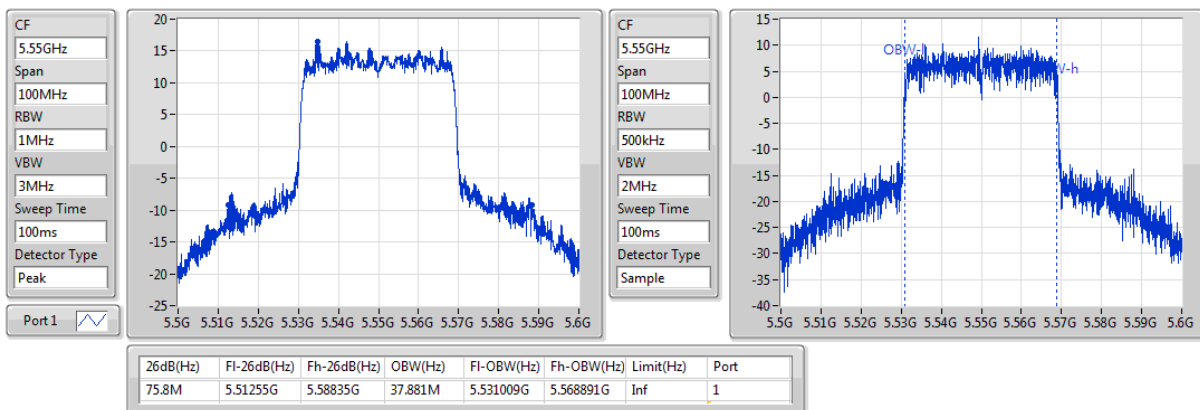


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

08/03/2019

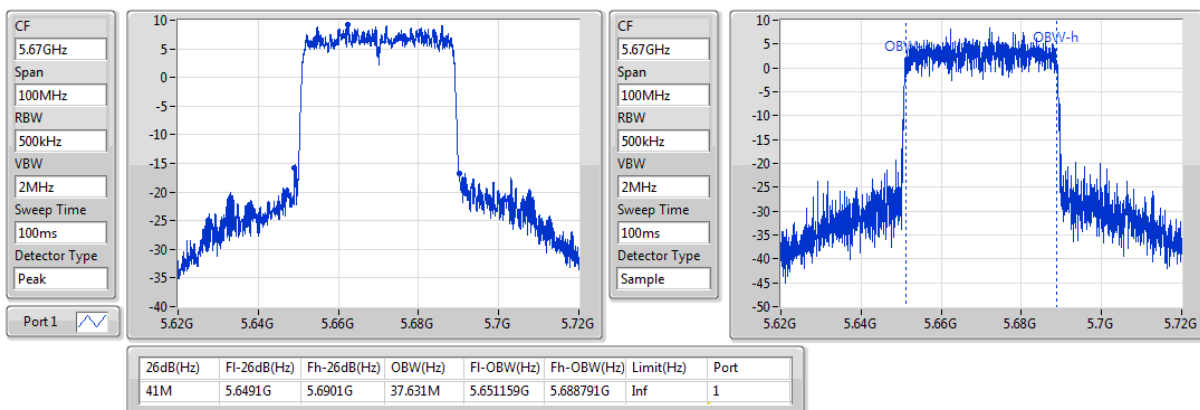


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

08/03/2019

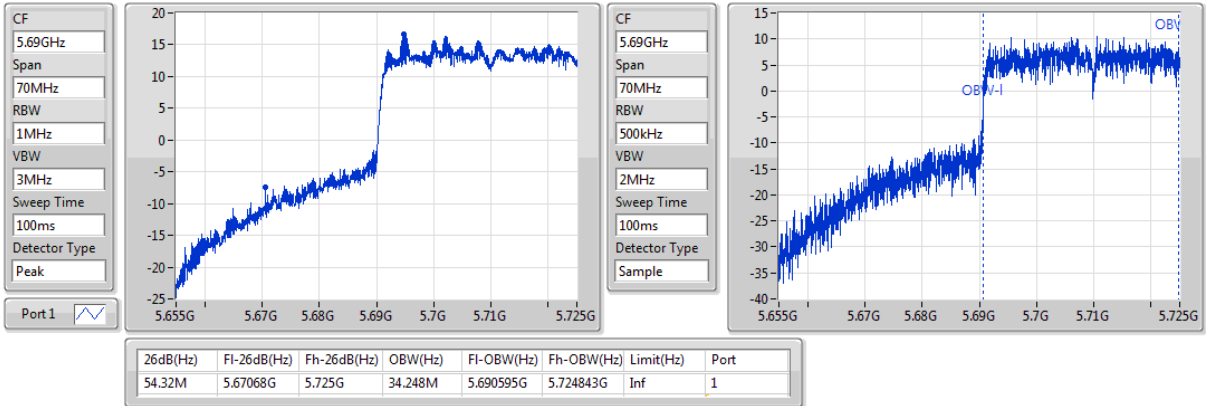


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

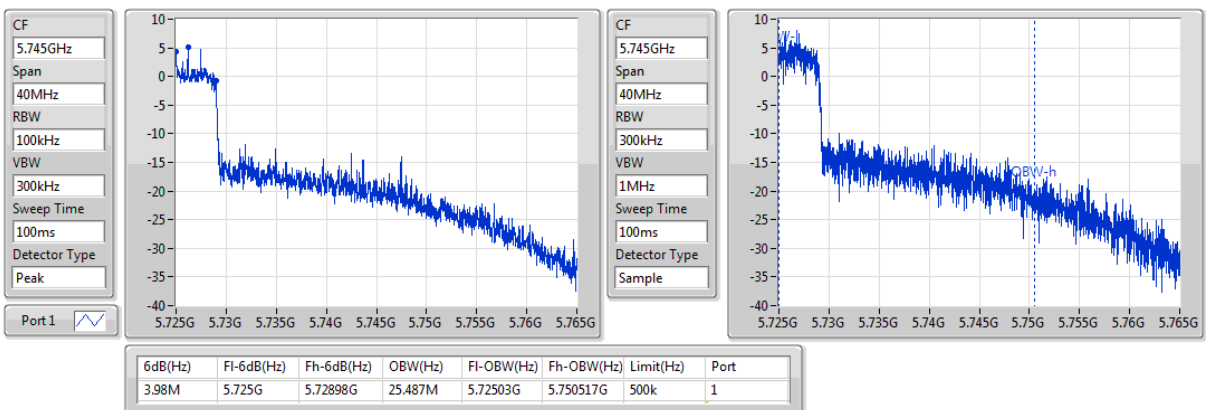


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019

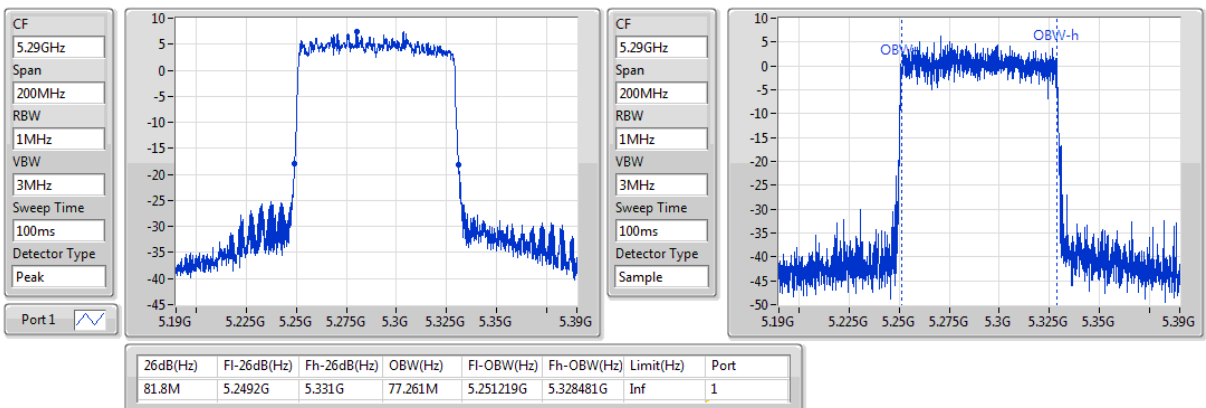


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

08/03/2019

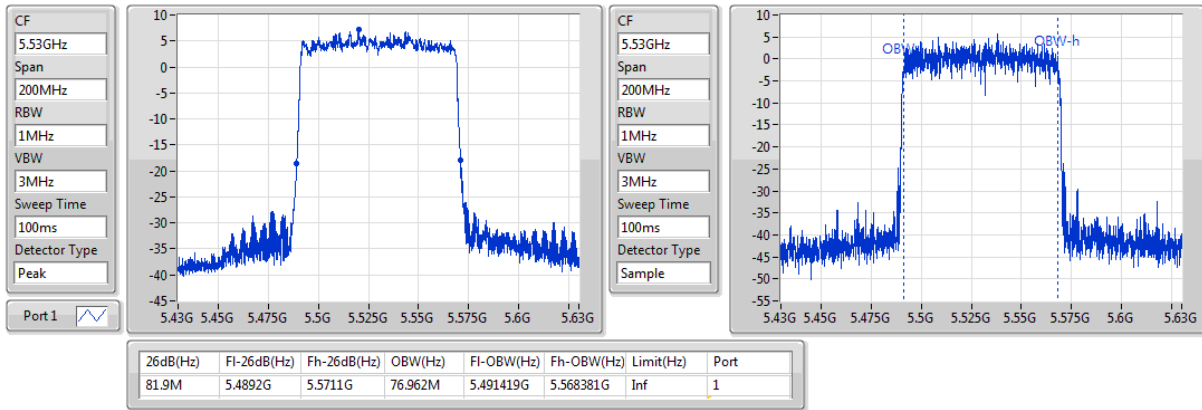


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

08/03/2019

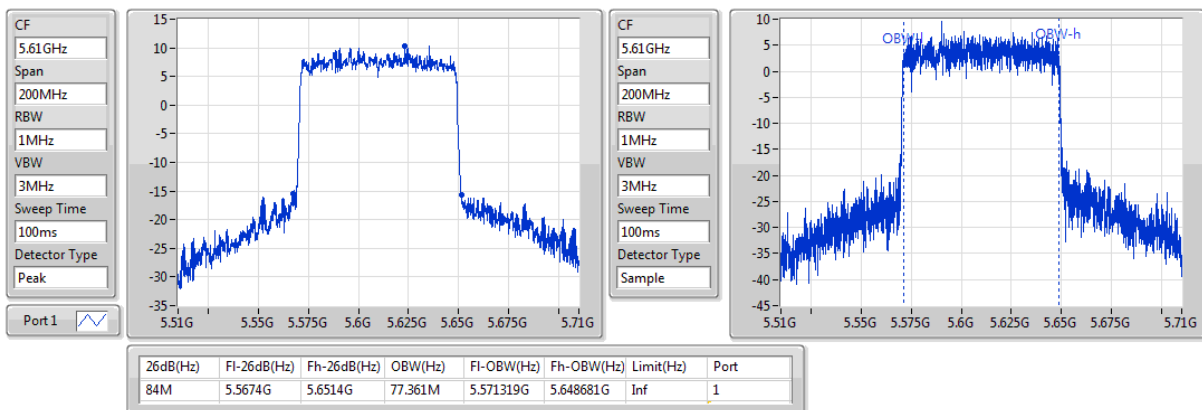


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

08/03/2019

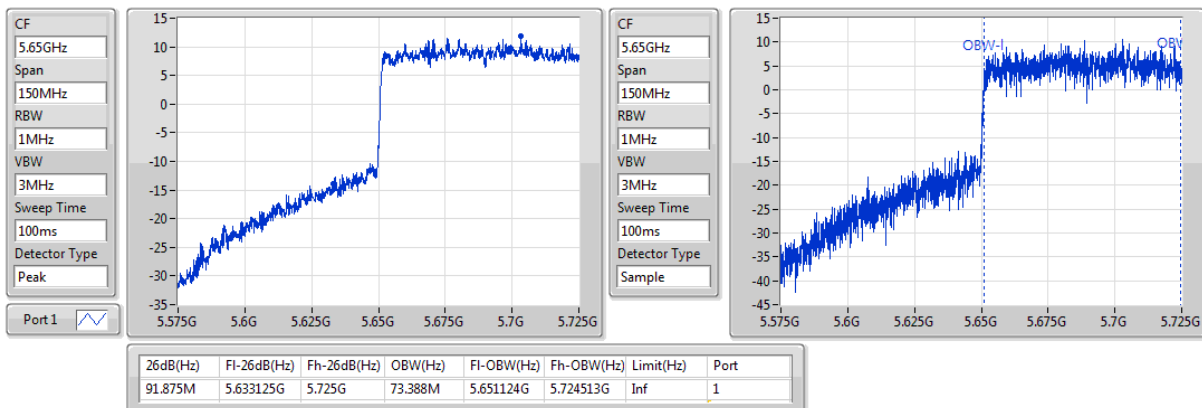


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/03/2019

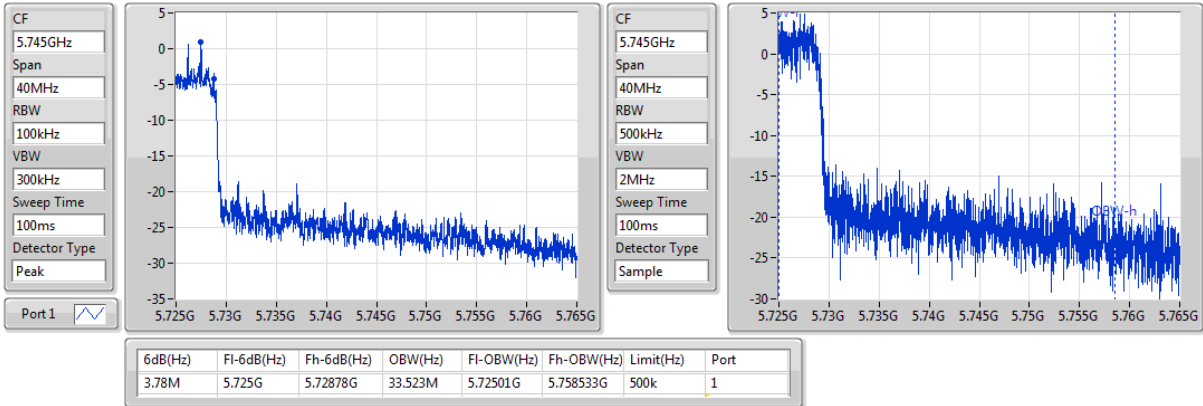


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/03/2019

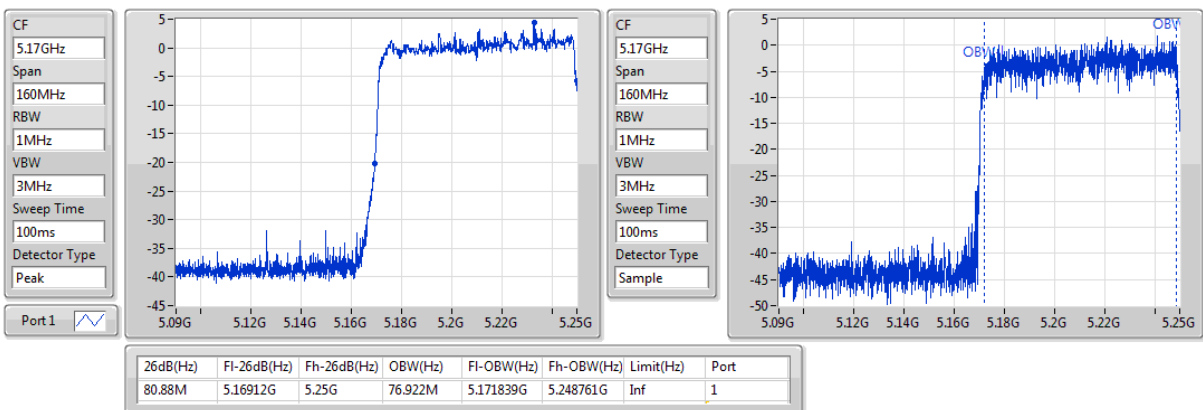


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

08/03/2019

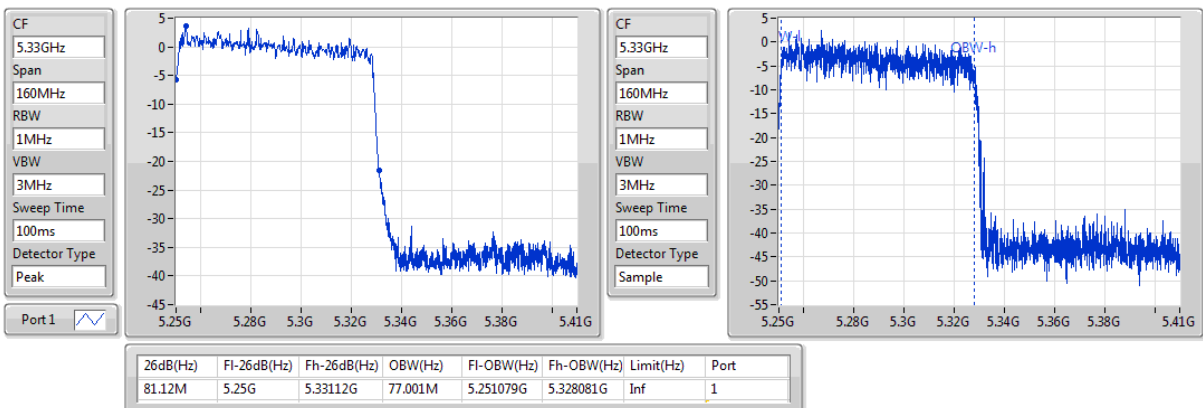


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/03/2019

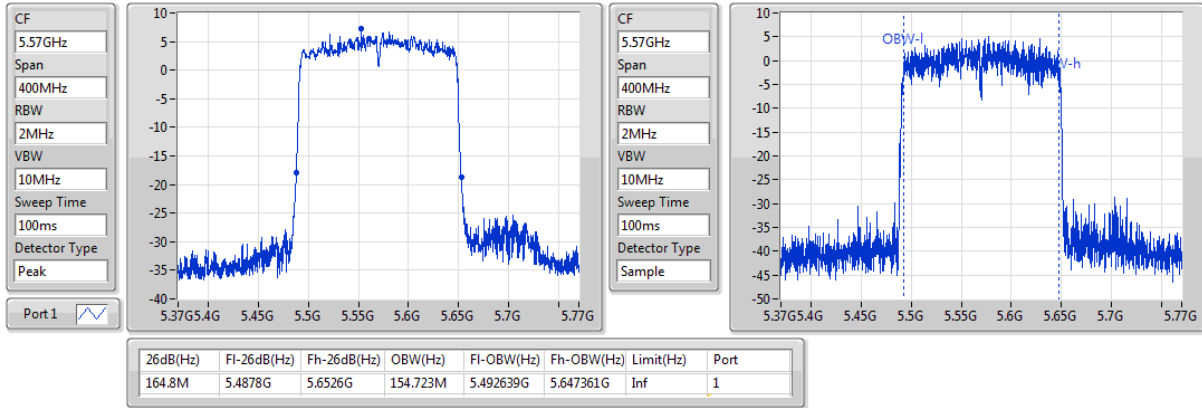


802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	81.76M	77.161M	77M2D1D	81.6M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	36.375M	19.015M	19M0D1D	21.575M	18.916M
802.11ax HEW40_Nss2,(MCS0)_2TX	74.2M	37.731M	37M7D1D	39.95M	37.431M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.8M	76.962M	77M0D1D	81M	76.862M
802.11ax HEW160_Nss2,(MCS0)_2TX	82.48M	77.161M	77M2D1D	80.88M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	42.225M	19.115M	19M1D1D	21.575M	14.633M
802.11ax HEW40_Nss2,(MCS0)_2TX	77.05M	37.681M	37M7D1D	39.95M	33.863M
802.11ax HEW80_Nss2,(MCS0)_2TX	92.85M	77.061M	77M1D1D	81.2M	73.388M
802.11ax HEW160_Nss2,(MCS0)_2TX	167M	155.322M	155MD1D	165.2M	154.923M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.44M	11.054M	11M1D1D	4.4M	10.915M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.74M	26.307M	26M3D1D	3.72M	21.009M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.74M	28.926M	28M9D1D	3.74M	27.666M

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.32

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	27.6M	19.015M	30.425M	18.991M
5300MHz	Pass	Inf	35.95M	19.015M	36.375M	19.015M
5320MHz	Pass	Inf	21.9M	18.941M	21.575M	18.916M
5500MHz	Pass	Inf	21.95M	18.941M	21.7M	18.941M
5580MHz	Pass	Inf	36.375M	19.065M	42.225M	19.115M
5700MHz	Pass	Inf	21.95M	18.966M	21.575M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.4M	14.633M	25.935M	14.723M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	10.915M	4.44M	11.054M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	74.2M	37.731M	74.05M	37.581M
5310MHz	Pass	Inf	39.95M	37.431M	40M	37.531M
5510MHz	Pass	Inf	40M	37.431M	39.95M	37.481M
5550MHz	Pass	Inf	74.1M	37.631M	77.05M	37.681M
5670MHz	Pass	Inf	39.95M	37.681M	39.95M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	55.475M	34.563M	53.97M	33.863M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	26.307M	3.74M	21.009M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.8M	76.962M	81M	76.862M
5530MHz	Pass	Inf	81.7M	76.862M	81.5M	76.862M
5610MHz	Pass	Inf	81.6M	76.962M	81.2M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	92.625M	73.388M	92.85M	73.388M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	28.926M	3.74M	27.666M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.6M	77.161M	81.76M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.48M	77.161M	80.88M	77.081M
5570MHz	Pass	Inf	167M	155.322M	165.2M	154.923M

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

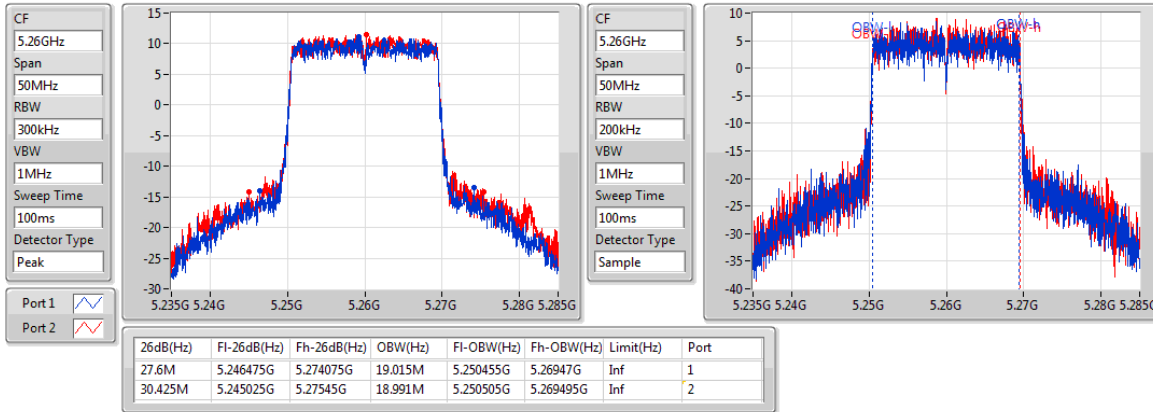
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

08/03/2019

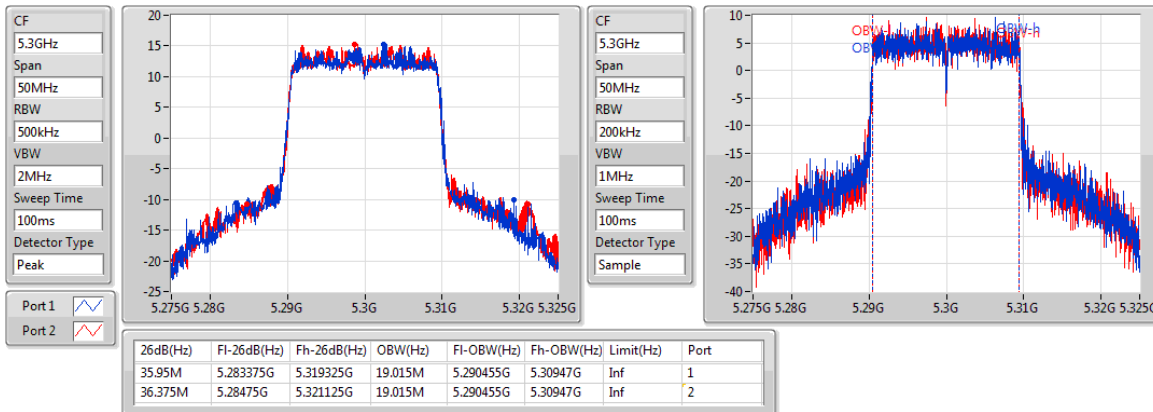


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

08/03/2019

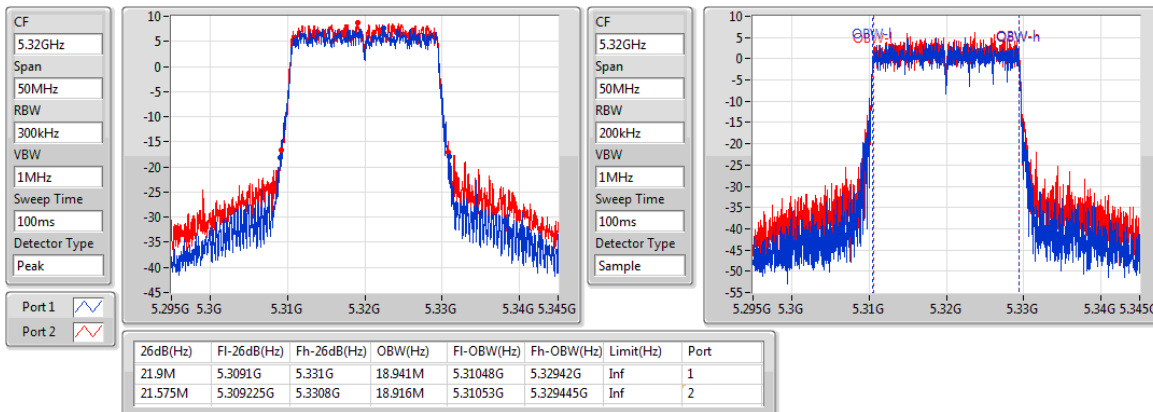


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

08/03/2019

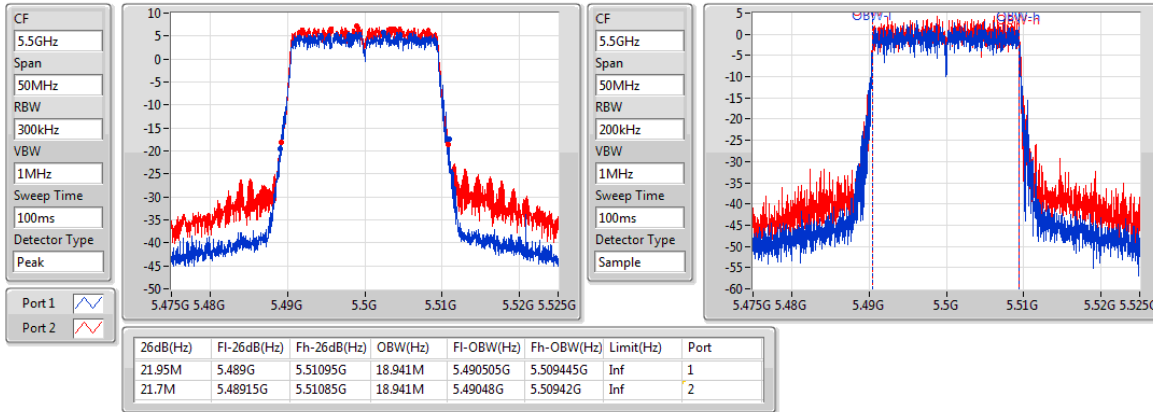


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

08/03/2019

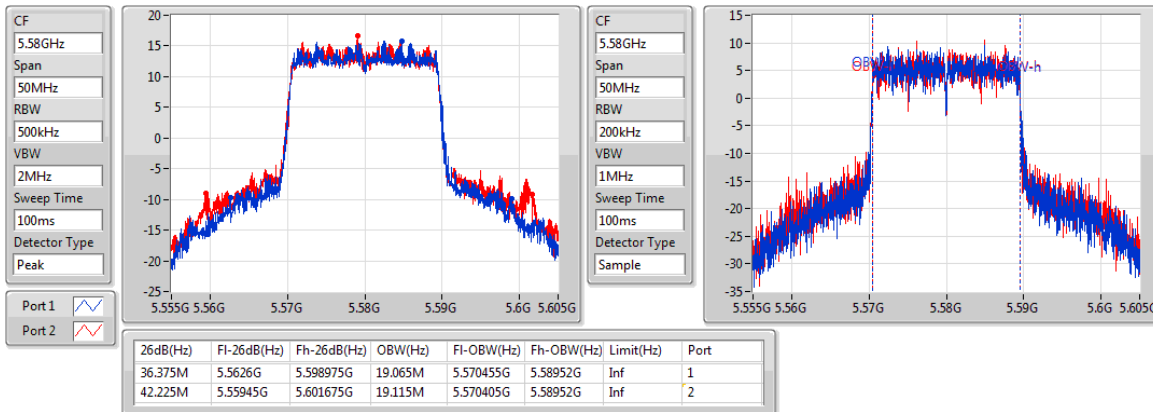


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

08/03/2019

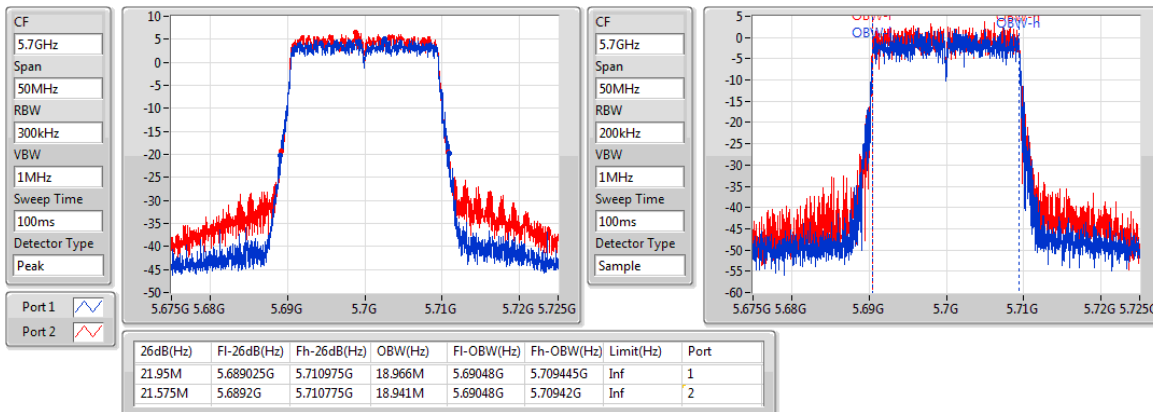


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

08/03/2019

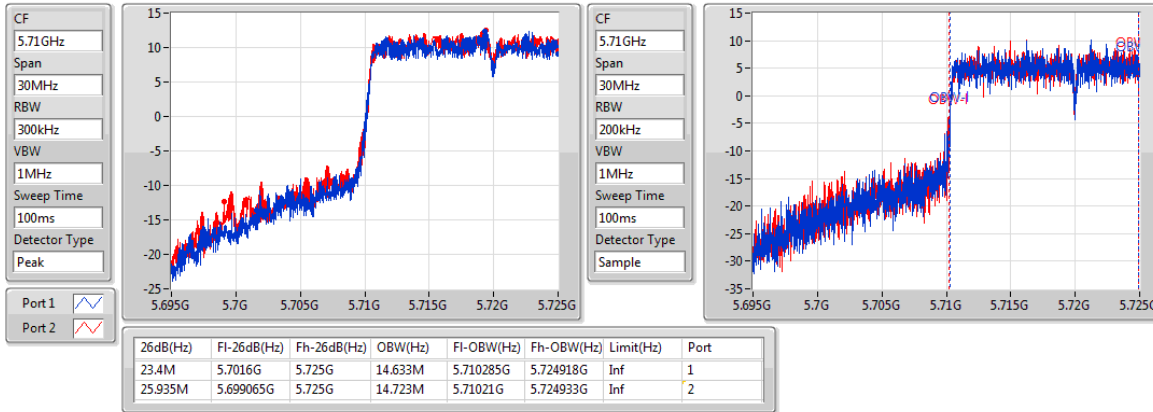


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/03/2019

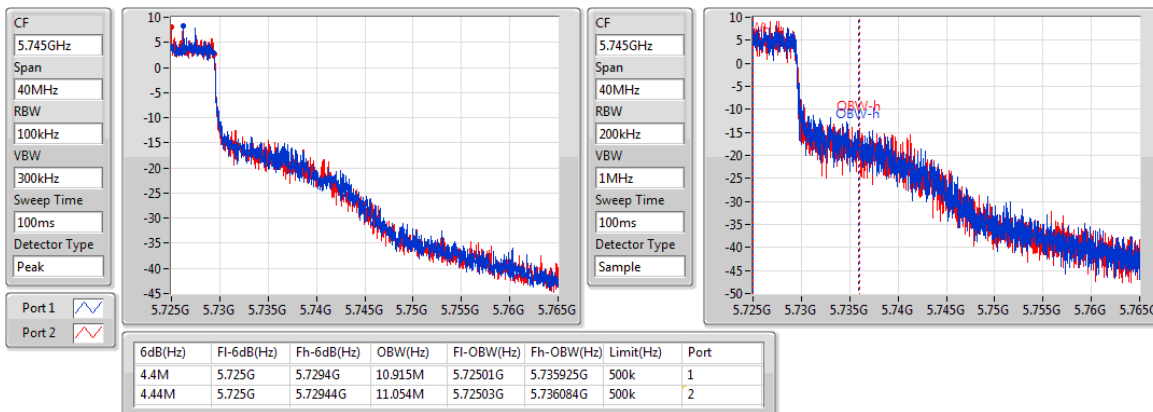


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

08/03/2019

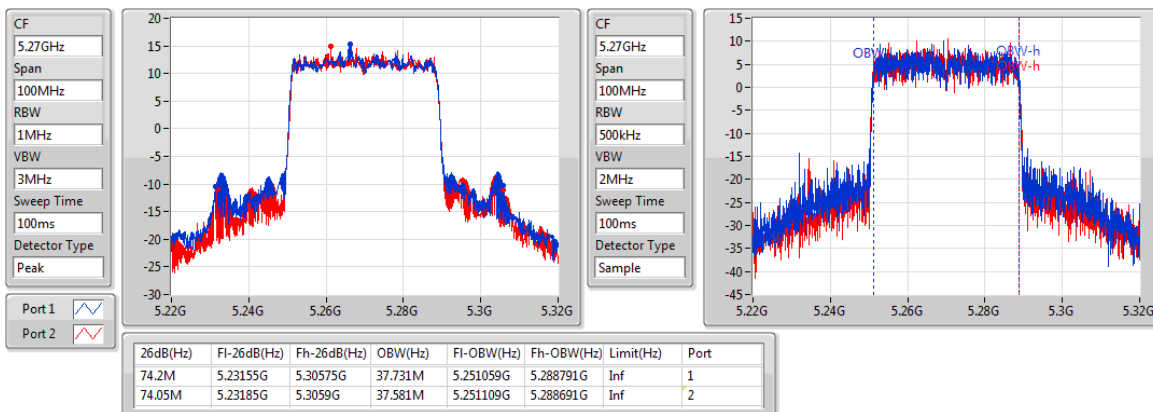


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

08/03/2019

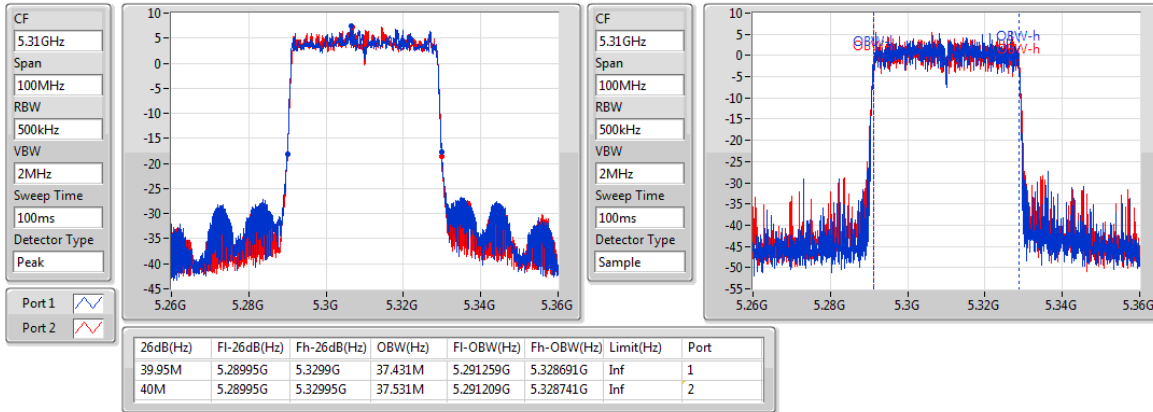


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

08/03/2019

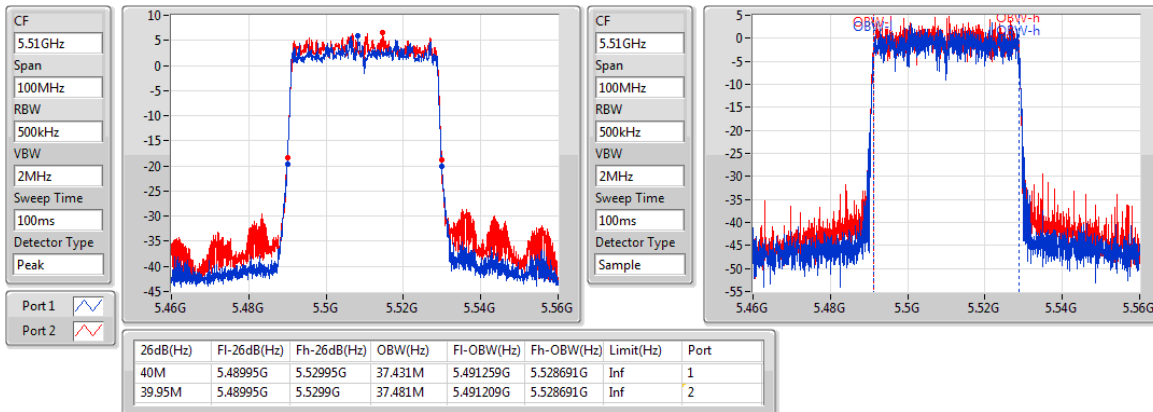


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

08/03/2019

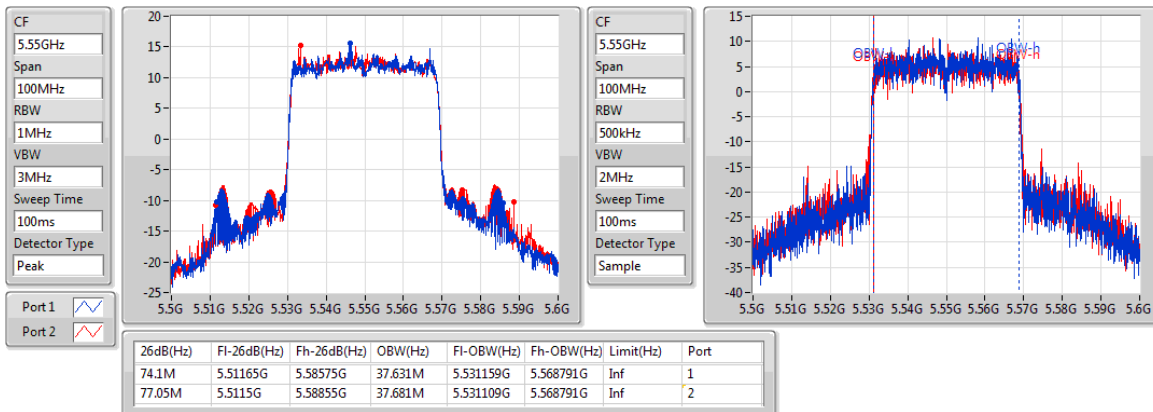


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

08/03/2019

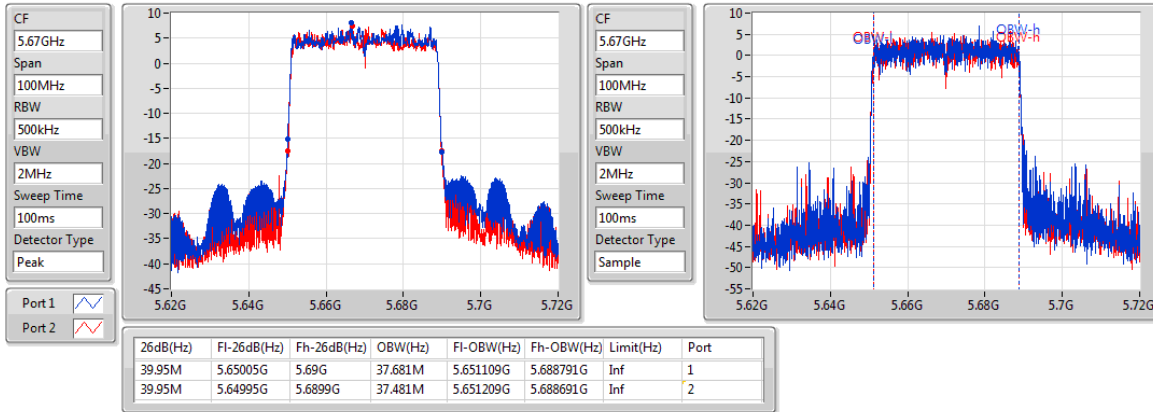


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5670MHz

08/03/2019

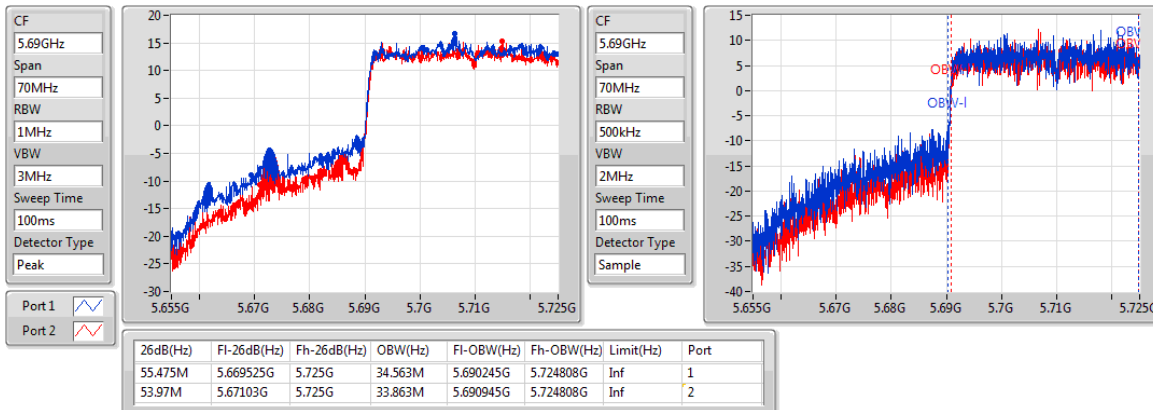


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

08/03/2019

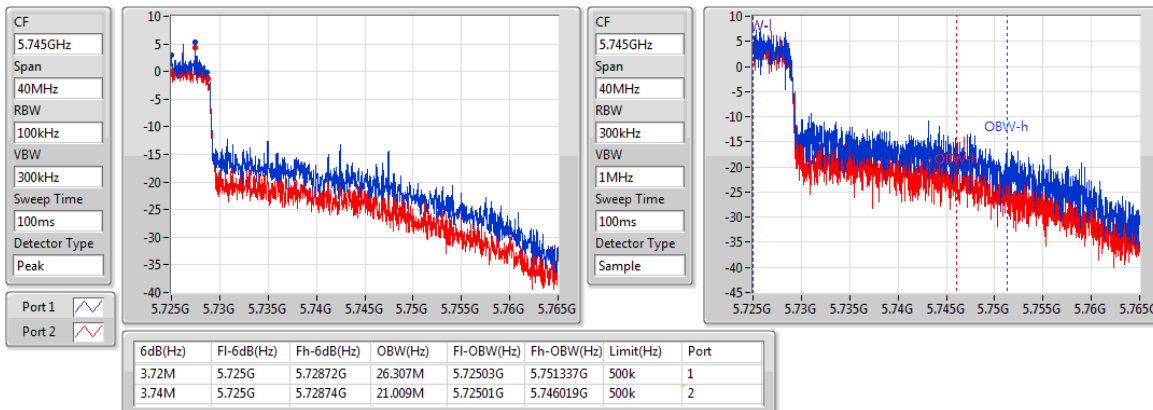


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

08/03/2019

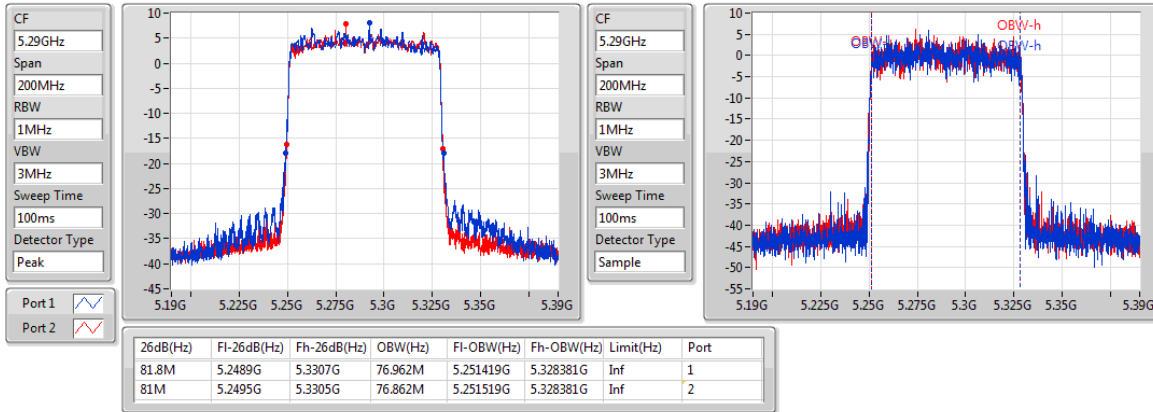


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

08/03/2019

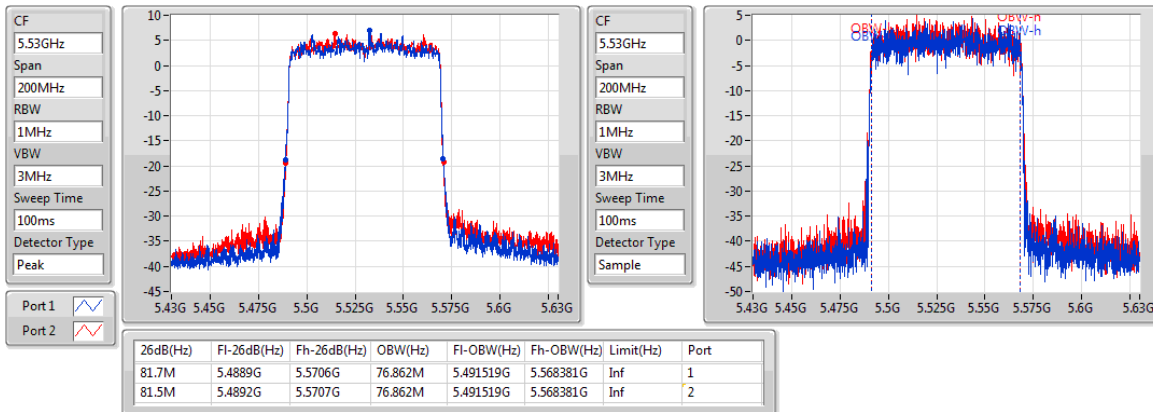


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

08/03/2019

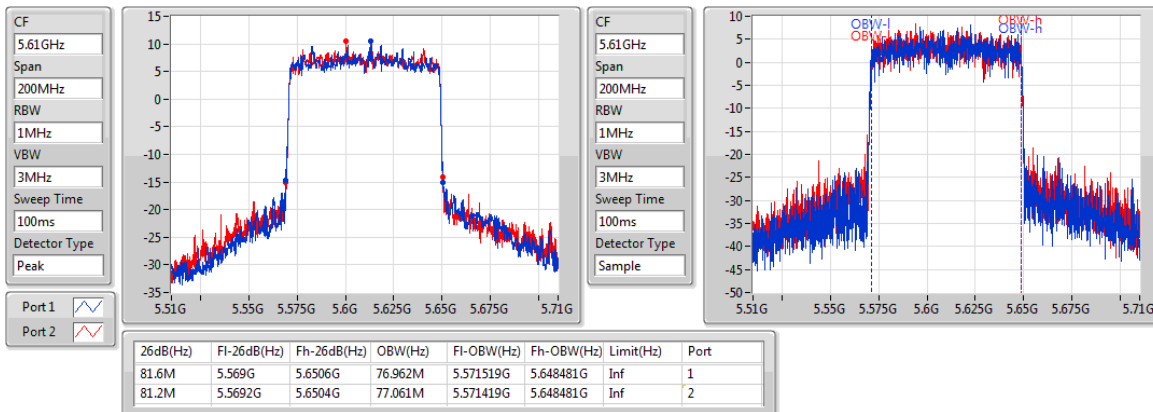


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5610MHz

08/03/2019

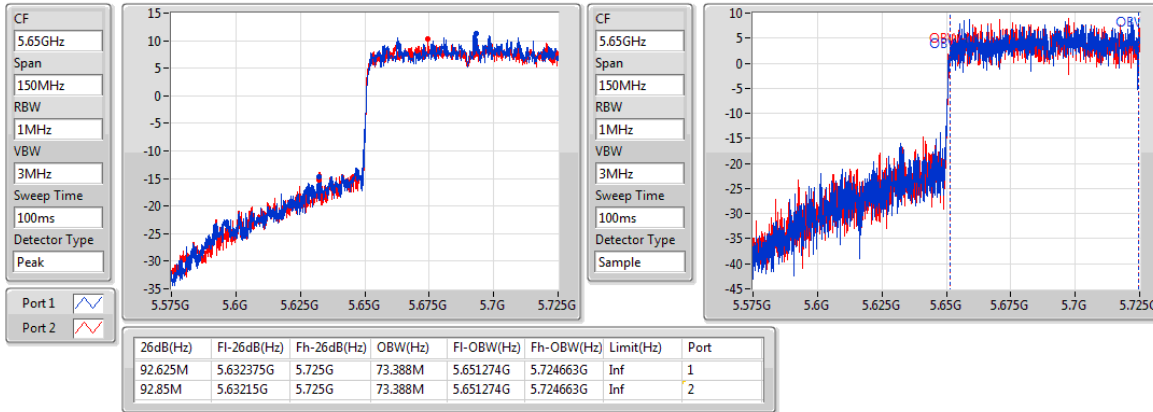


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

08/03/2019

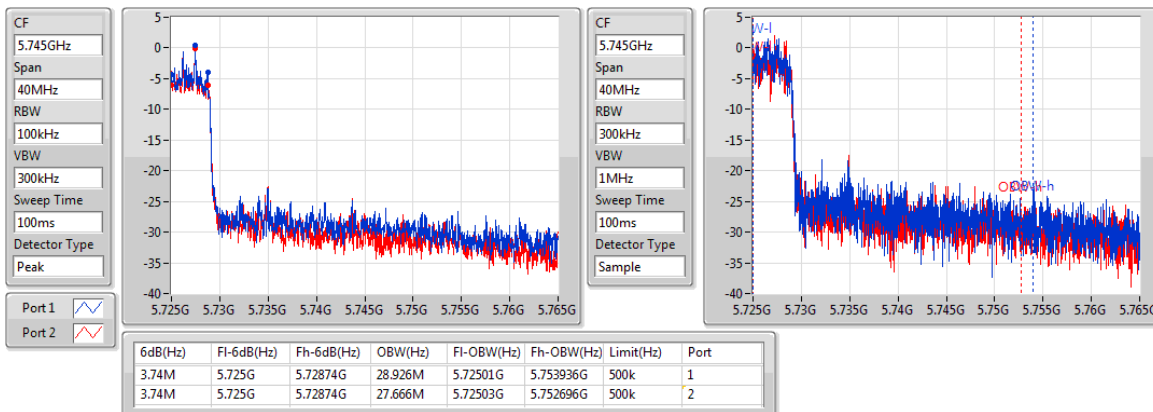


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

08/03/2019

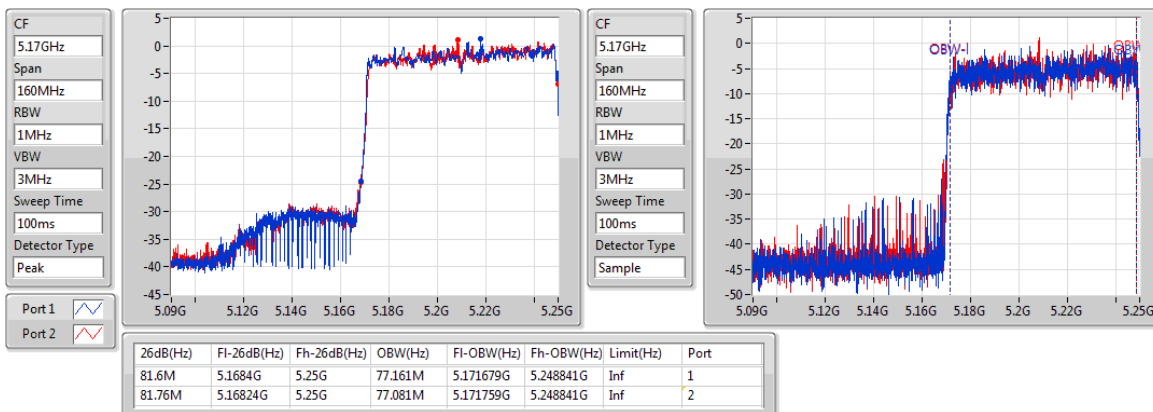


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

08/03/2019

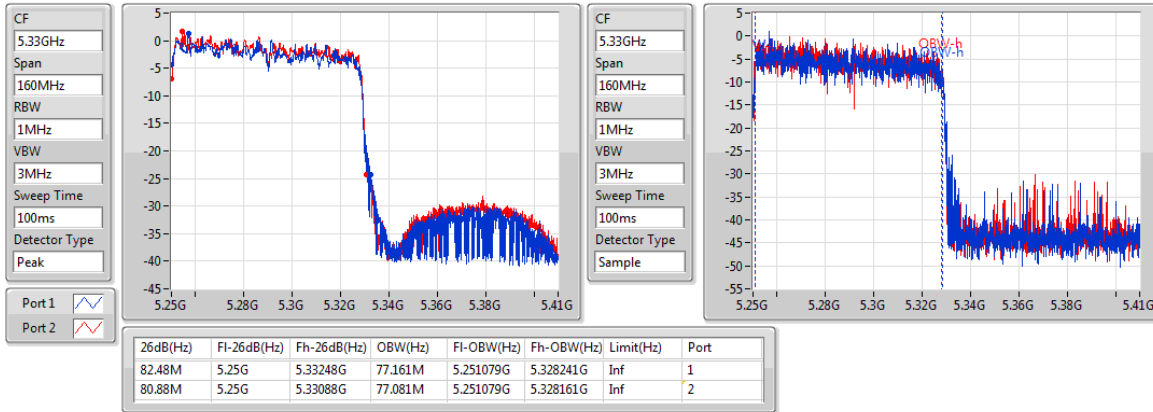


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/03/2019

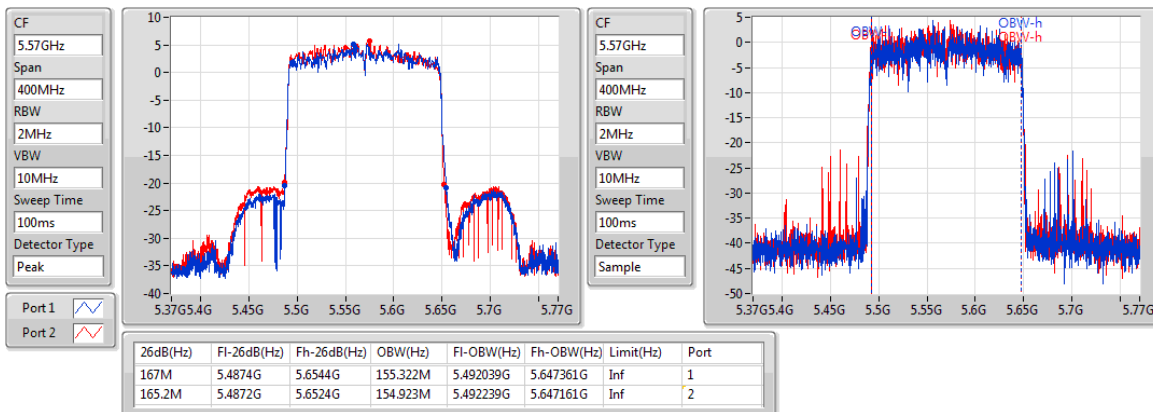


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	81.12M	77.401M	77M4D1D	80.8M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.617M	16M6D1D	21.35M	16.542M
802.11ax HEW20_Nss1,(MCS0)_4TX	22M	18.991M	19M0D1D	21.275M	18.916M
802.11ax HEW40_Nss1,(MCS0)_4TX	44.3M	37.631M	37M6D1D	39.85M	37.431M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.7M	77.261M	77M3D1D	81.2M	76.862M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.28M	77.081M	77M1D1D	80.64M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.725M	16.617M	16M6D1D	15.615M	13.313M
802.11ax HEW20_Nss1,(MCS0)_4TX	23.225M	18.991M	19M0D1D	15.735M	14.453M
802.11ax HEW40_Nss1,(MCS0)_4TX	46.2M	37.631M	37M6D1D	35.07M	33.723M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.8M	77.261M	77M3D1D	75.45M	73.088M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.2M	155.322M	155MD1D	164M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.2M	3.938M	3M94D1D	3.12M	3.838M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.5M	4.518M	4M52D1D	4.44M	4.478M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.94M	16.092M	16M1D1D	3.68M	6.077M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.76M	26.547M	26M5D1D	3.58M	21.589M

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	21.6M	16.567M	21.675M	16.567M	21.35M	16.567M
5300MHz	Pass	Inf	21.525M	16.567M	21.625M	16.567M	21.525M	16.592M	21.4M	16.567M
5320MHz	Pass	Inf	21.55M	16.567M	21.575M	16.617M	21.55M	16.567M	21.425M	16.567M
5500MHz	Pass	Inf	21.6M	16.592M	21.5M	16.617M	21.65M	16.592M	21.45M	16.542M
5580MHz	Pass	Inf	21.6M	16.592M	21.5M	16.617M	21.625M	16.542M	21.475M	16.542M
5700MHz	Pass	Inf	21.5M	16.542M	21.525M	16.567M	21.525M	16.592M	21.725M	16.542M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.313M	15.69M	13.343M	15.72M	13.343M	15.615M	13.328M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	3.838M	3.12M	3.898M	3.2M	3.938M	3.12M	3.878M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.675M	18.966M	21.625M	18.966M	21.775M	18.966M	21.425M	18.916M
5300MHz	Pass	Inf	21.725M	18.991M	21.675M	18.941M	21.8M	18.966M	21.275M	18.966M
5320MHz	Pass	Inf	21.825M	18.941M	21.525M	18.966M	22M	18.941M	21.375M	18.991M
5500MHz	Pass	Inf	21.75M	18.966M	21.625M	18.941M	21.75M	18.966M	21.325M	18.966M
5580MHz	Pass	Inf	21.725M	18.966M	23.225M	18.966M	21.775M	18.991M	21.35M	18.966M
5700MHz	Pass	Inf	21.75M	18.966M	21.55M	18.966M	21.9M	18.941M	21.425M	18.941M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	14.483M	15.84M	14.483M	15.84M	14.453M	15.735M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.478M	4.48M	4.498M	4.46M	4.518M	4.5M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	44.3M	37.631M	41.2M	37.581M	41.7M	37.581M	40.3M	37.631M
5310MHz	Pass	Inf	39.85M	37.481M	39.95M	37.631M	39.9M	37.481M	40.1M	37.431M
5510MHz	Pass	Inf	39.9M	37.381M	40.15M	37.531M	39.9M	37.531M	40M	37.581M
5550MHz	Pass	Inf	43.9M	37.631M	41.25M	37.631M	40.3M	37.631M	46.2M	37.631M
5670MHz	Pass	Inf	39.95M	37.531M	40.05M	37.581M	40.05M	37.581M	40.15M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	42.595M	33.758M	35.07M	33.723M	45.08M	33.758M	36.995M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	16.092M	3.7M	6.077M	3.68M	10.115M	3.86M	11.734M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	77.261M	81.7M	76.862M	81.5M	76.862M	81.2M	77.161M
5530MHz	Pass	Inf	81.5M	77.161M	81.5M	77.161M	81.5M	76.962M	81.4M	77.161M
5610MHz	Pass	Inf	81.8M	77.261M	81.4M	76.962M	81.5M	77.061M	81.3M	76.962M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	73.088M	75.6M	73.238M	75.975M	73.238M	75.45M	73.313M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	26.547M	3.66M	22.649M	3.58M	21.589M	3.72M	23.168M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.081M	80.96M	77.081M	80.88M	77.401M	80.8M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	81.28M	77.081M	81.12M	77.001M	80.64M	76.922M
5570MHz	Pass	Inf	164.2M	154.723M	165.2M	154.923M	165M	155.322M	164M	154.923M

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

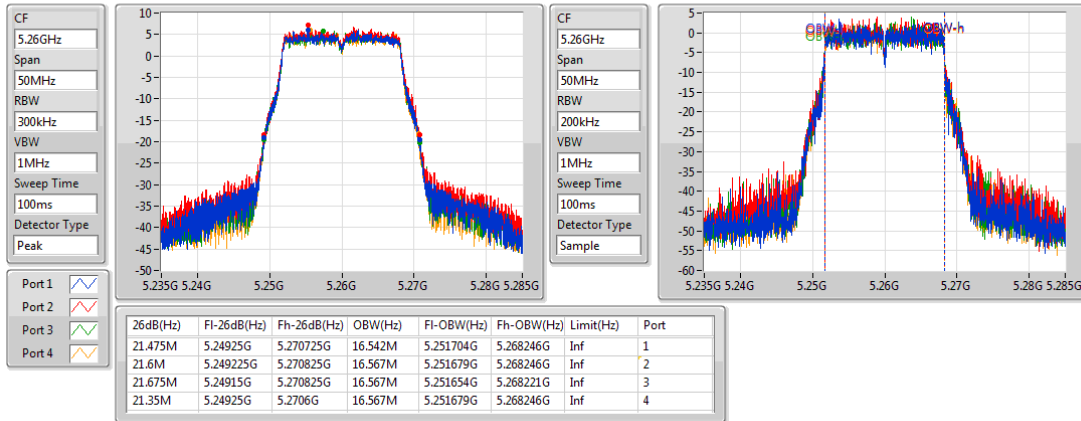
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

08/03/2019

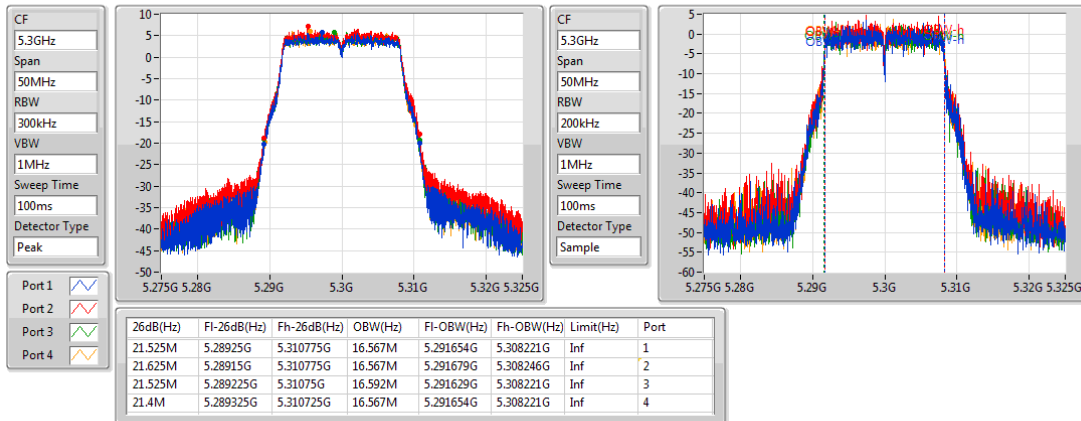


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

08/03/2019

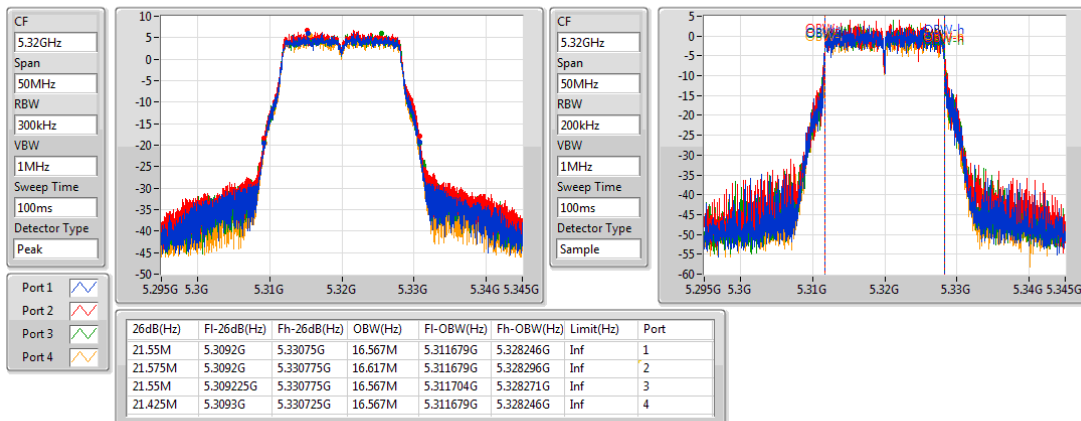


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

08/03/2019

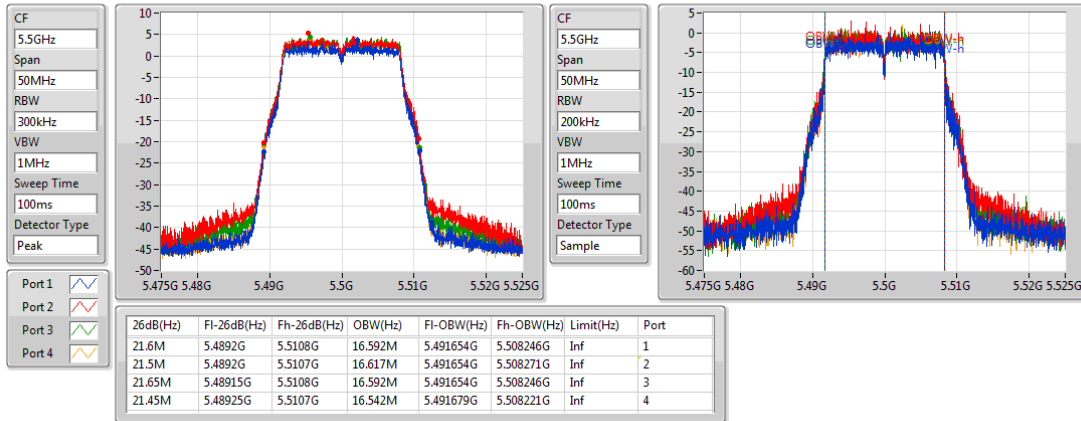


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

08/03/2019

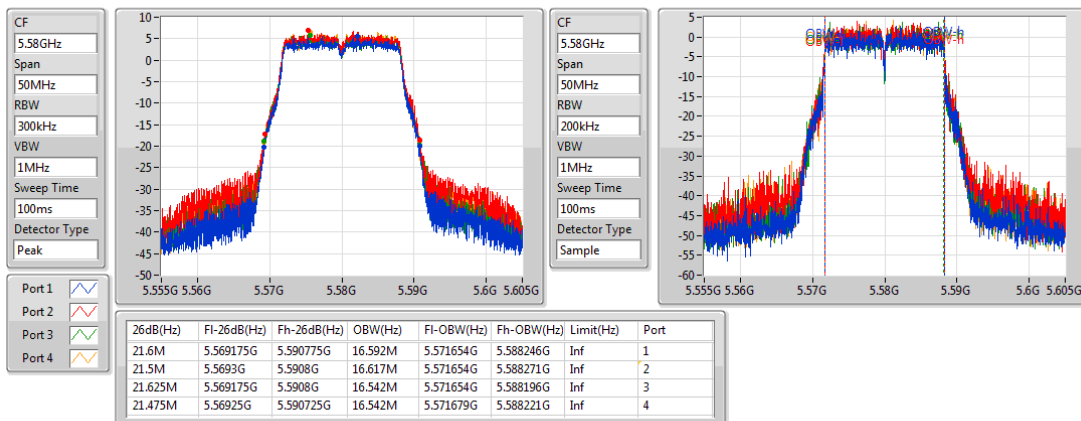


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

08/03/2019

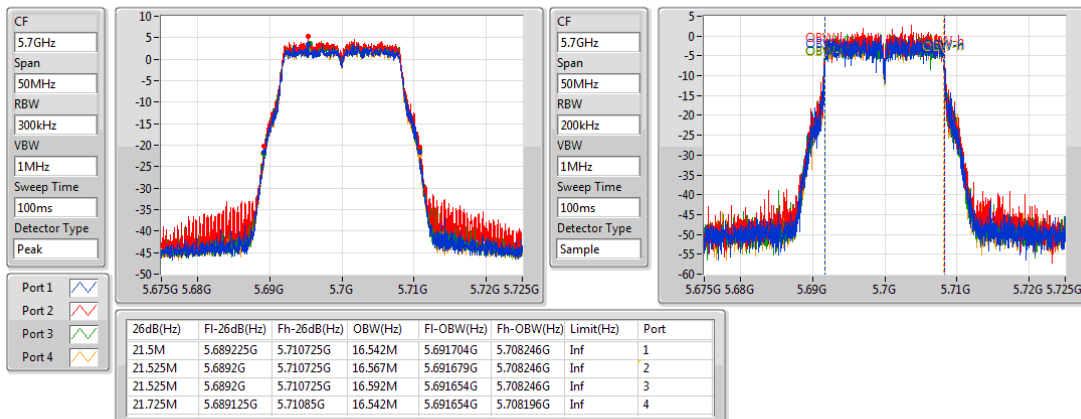


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

08/03/2019

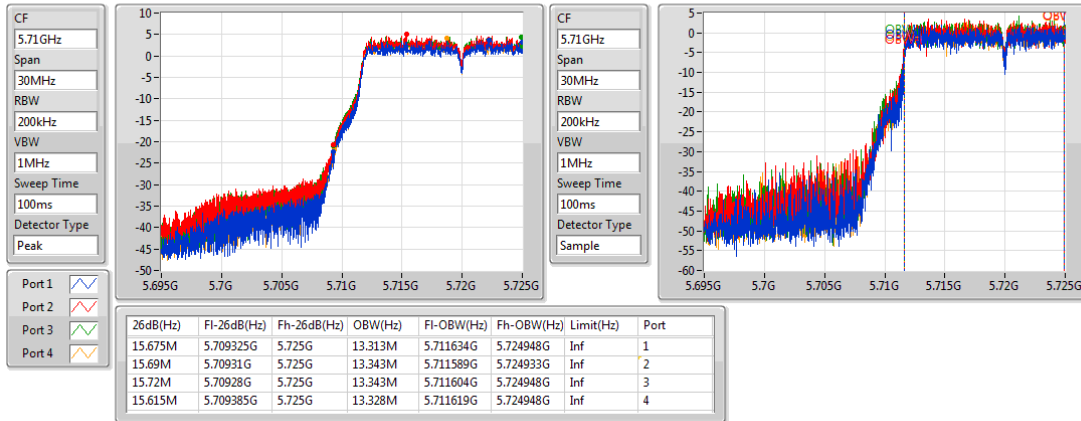


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/03/2019

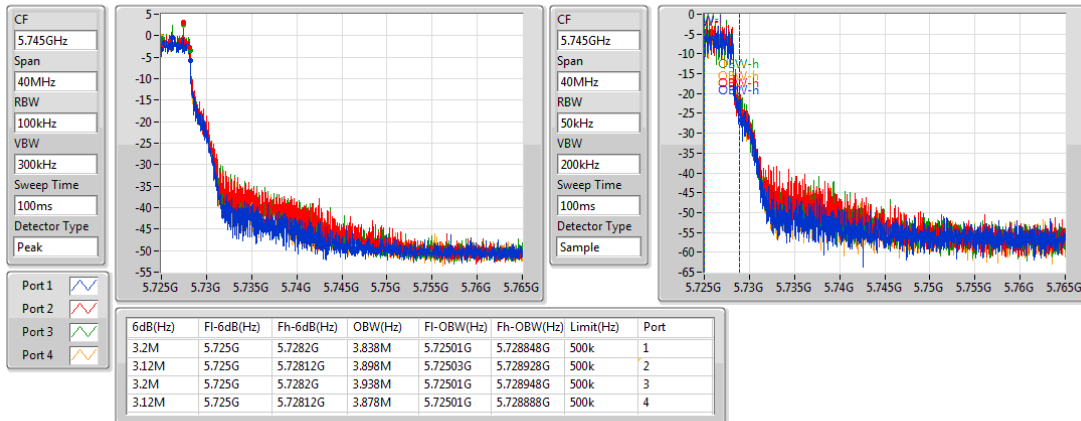


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

08/03/2019

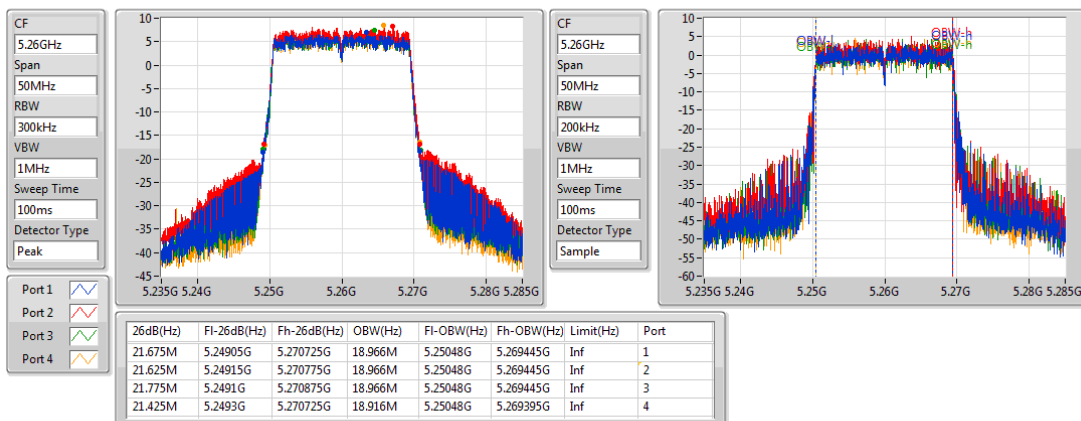


802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

08/03/2019

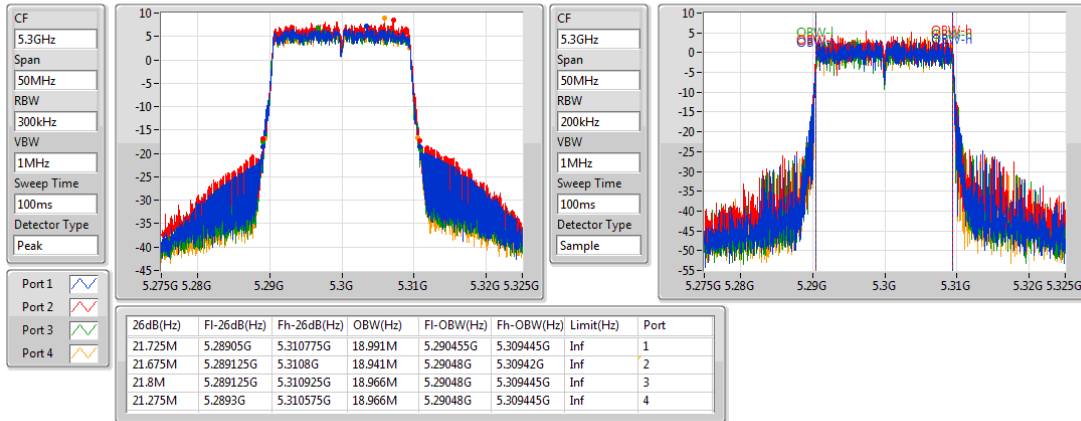


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

08/03/2019

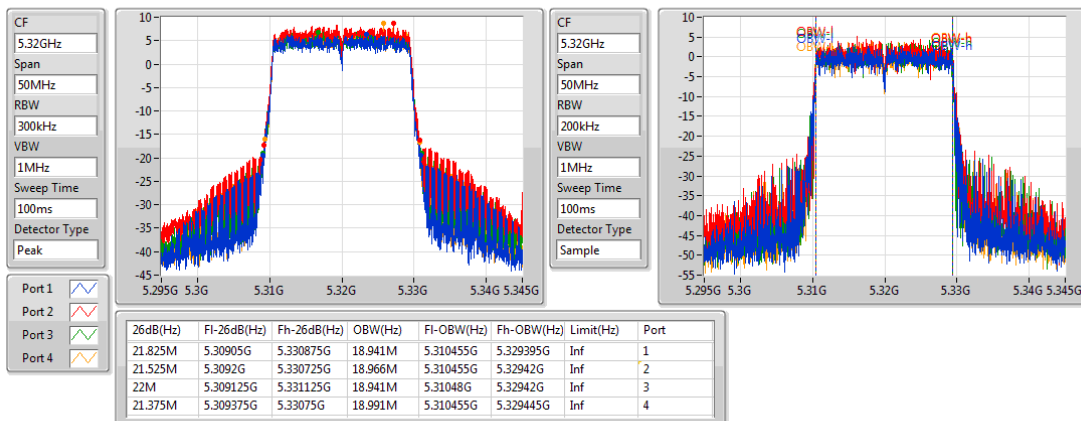


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

08/03/2019

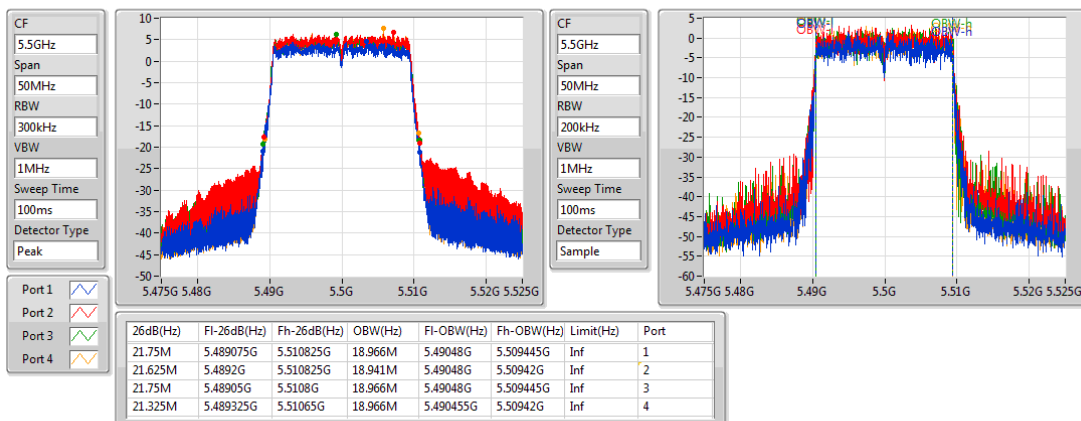


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

08/03/2019

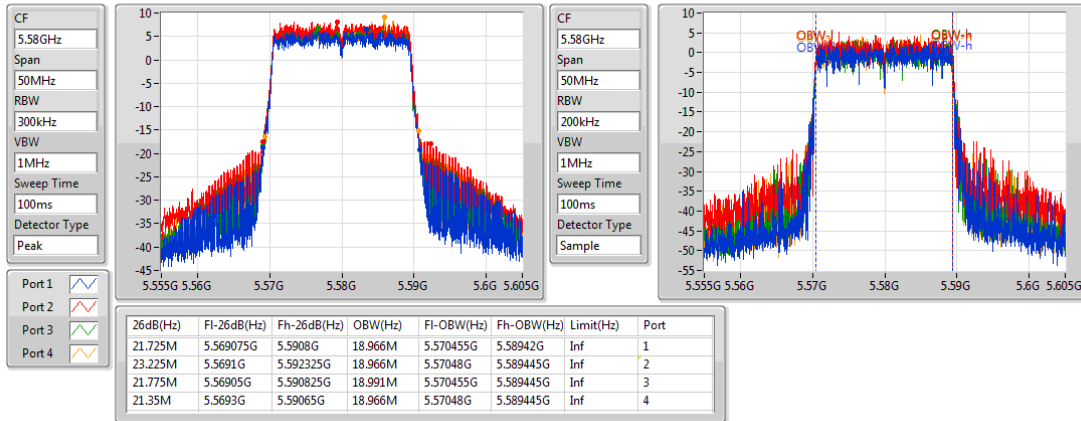


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

08/03/2019

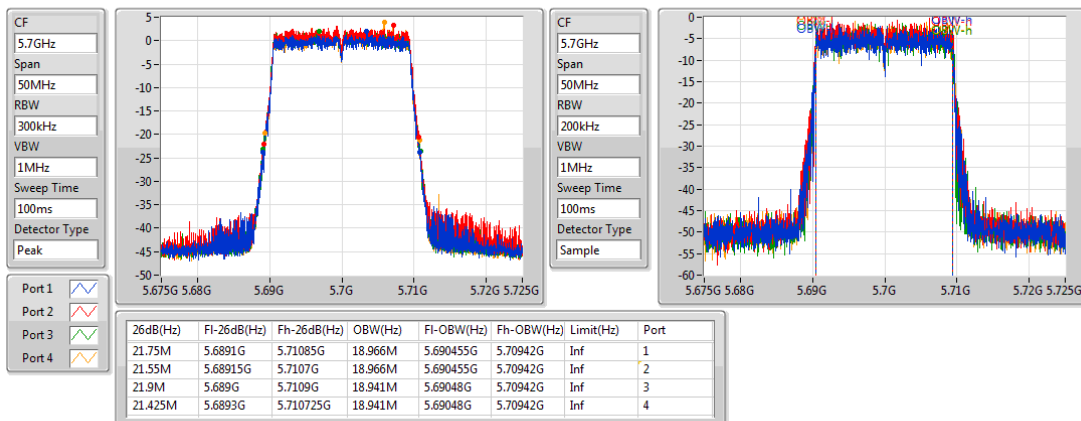


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

08/03/2019

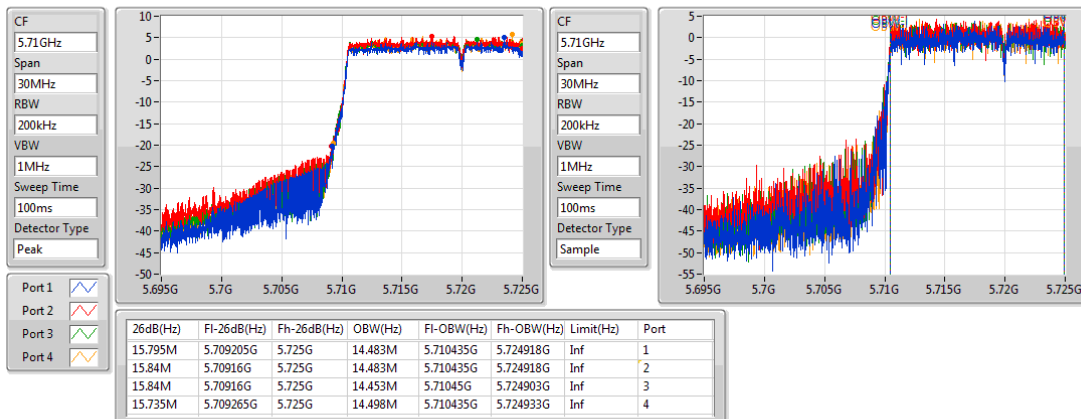


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/03/2019

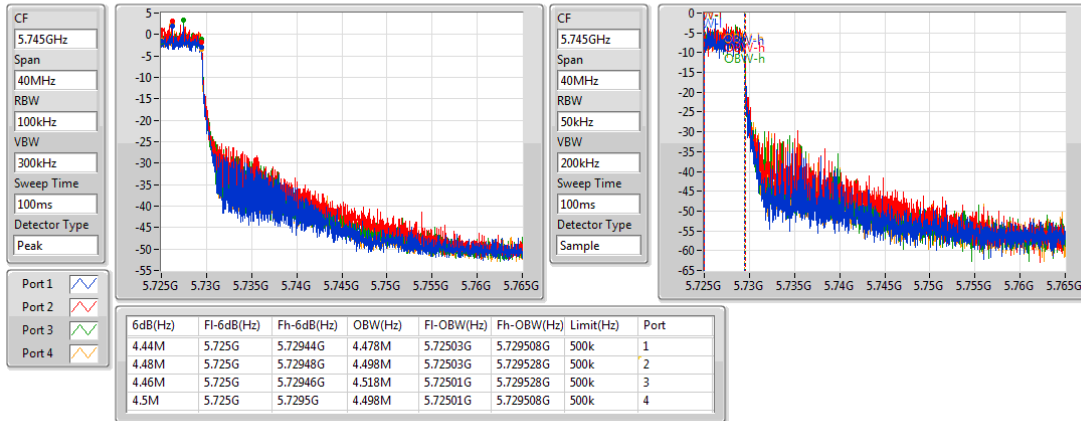


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

08/03/2019

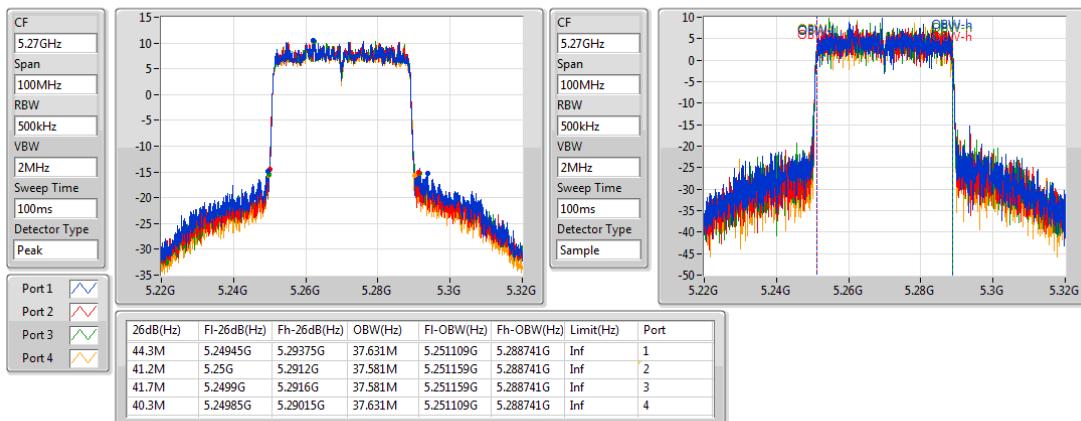


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

08/03/2019

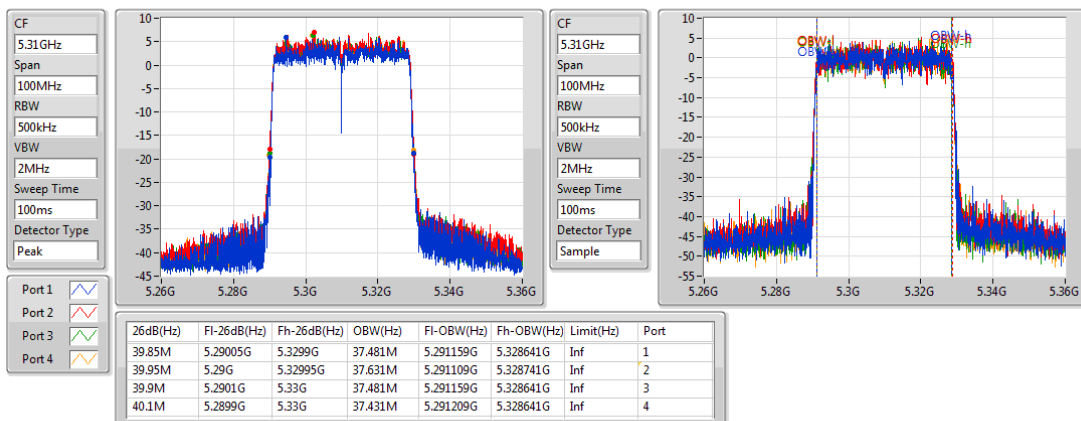


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

08/03/2019

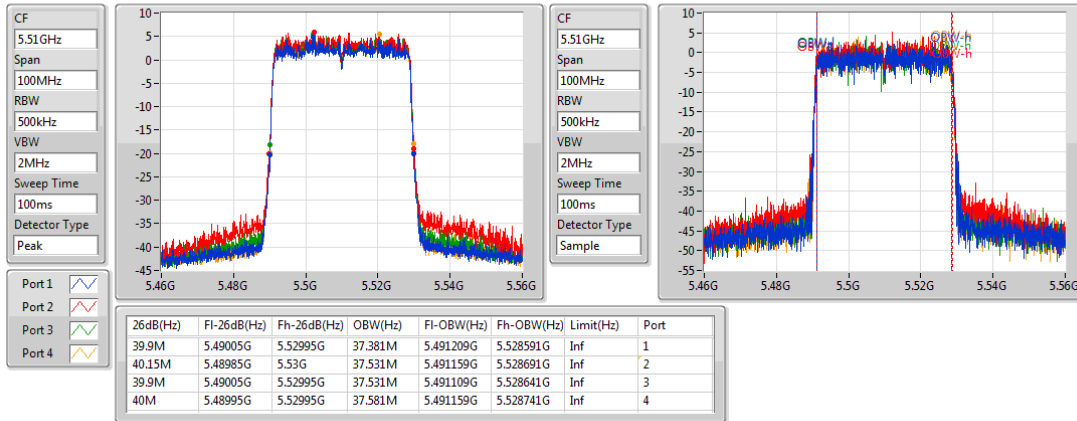


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

08/03/2019

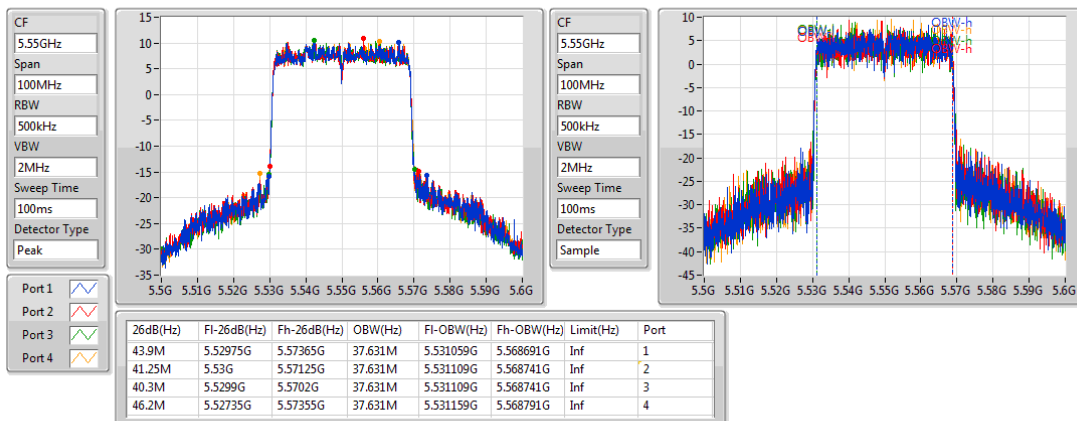


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

08/03/2019

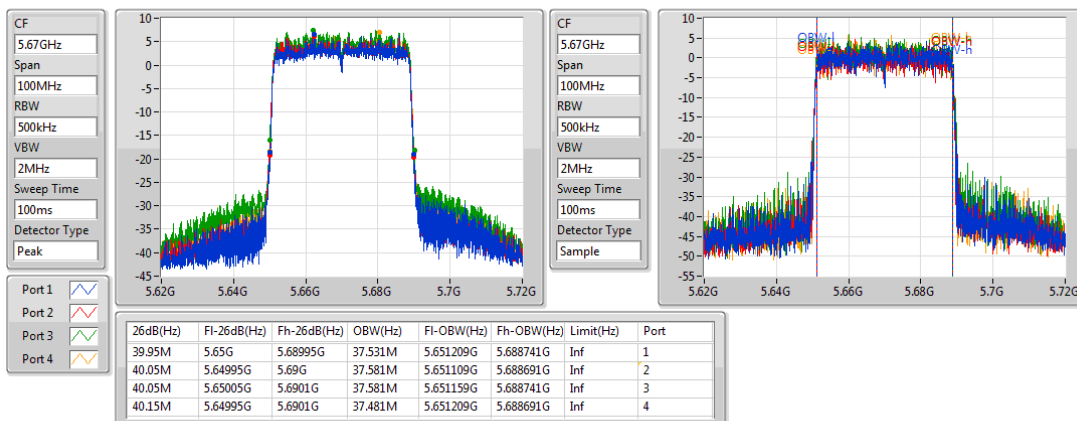


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

08/03/2019

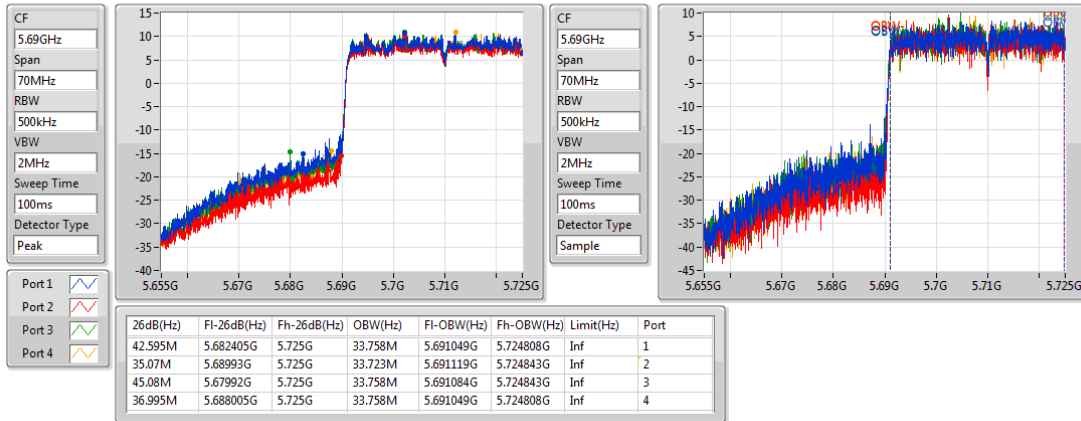


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

08/03/2019

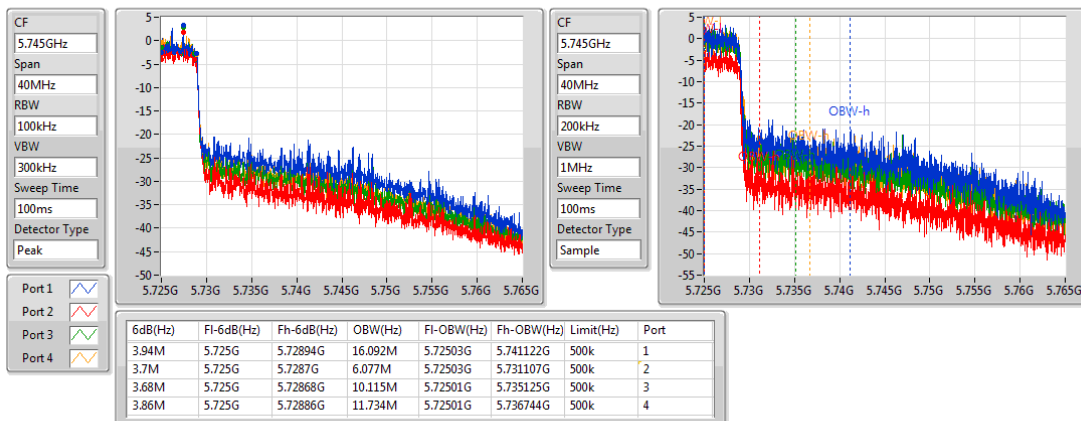


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

08/03/2019

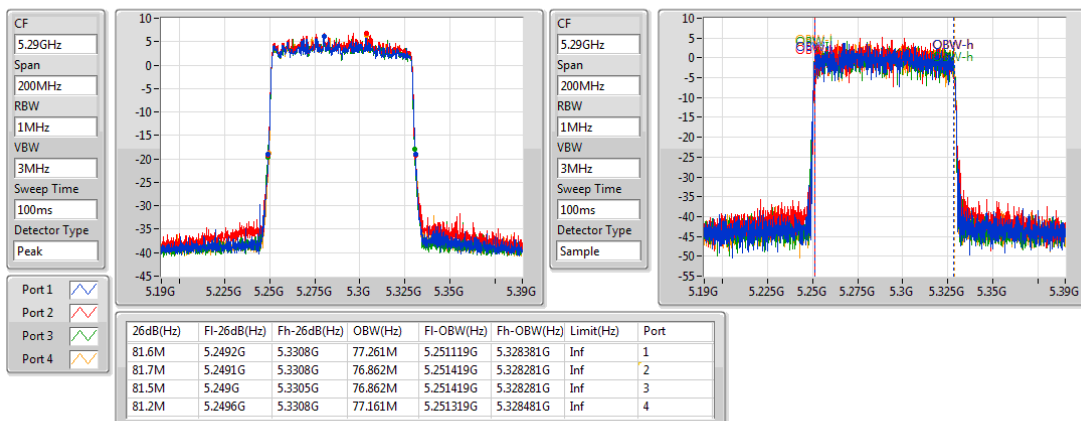


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

08/03/2019

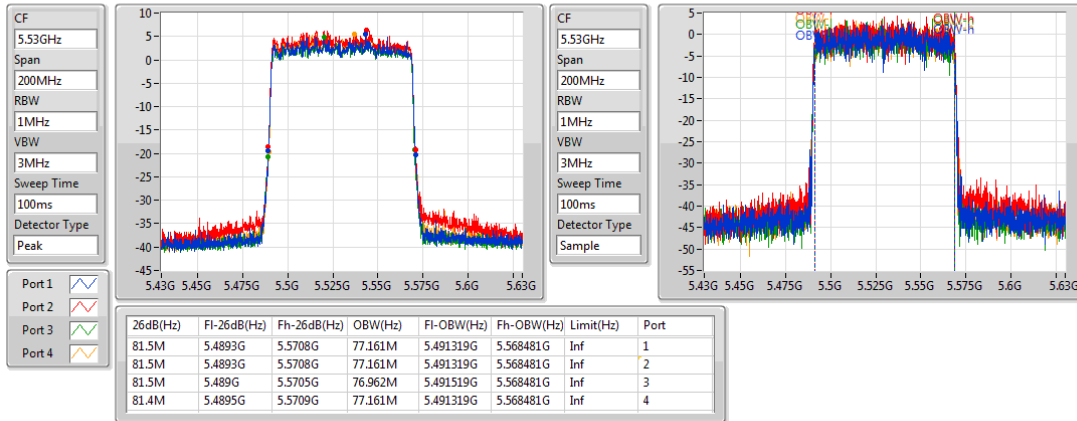


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

08/03/2019

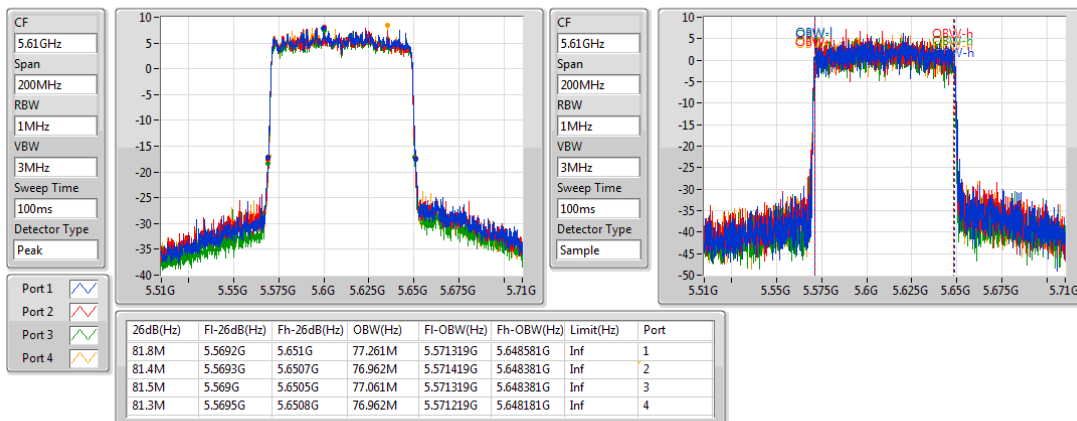


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

08/03/2019

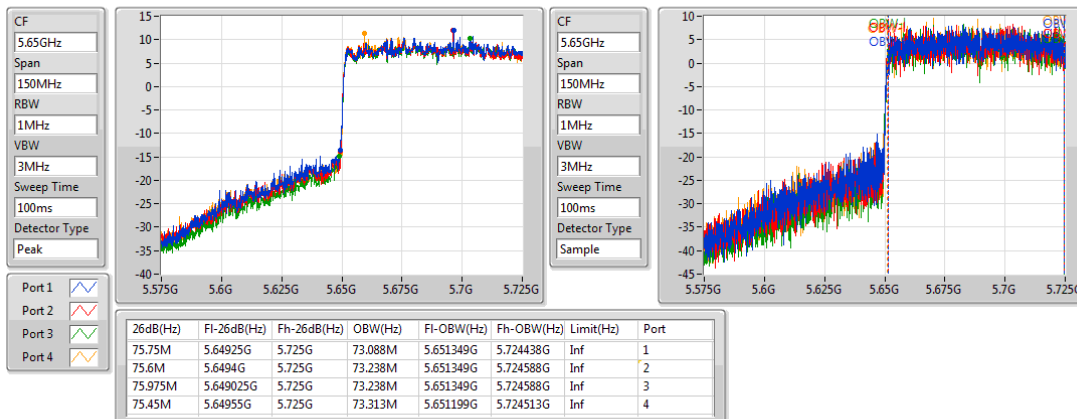


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

08/03/2019

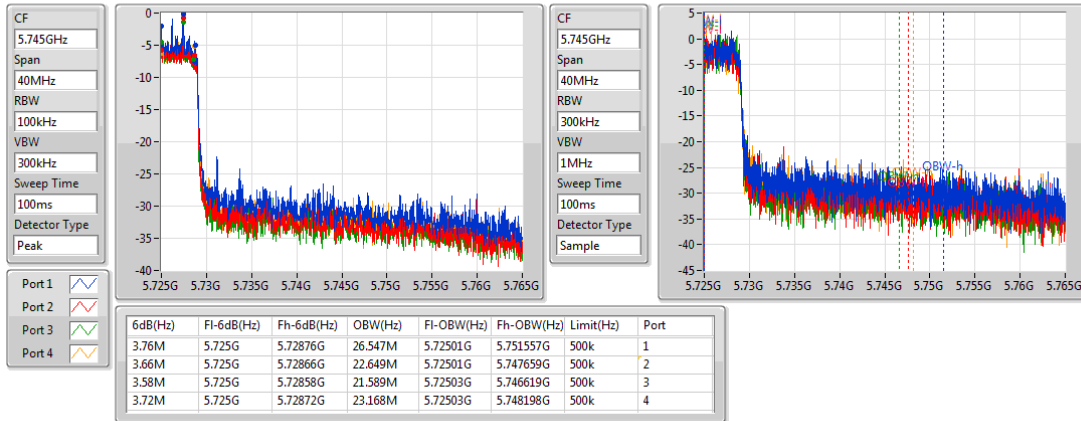


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

08/03/2019

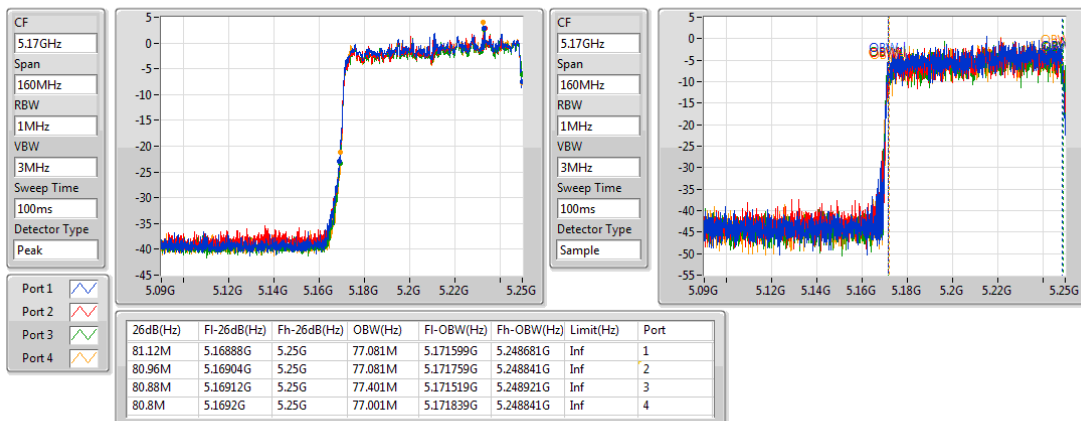


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

08/03/2019

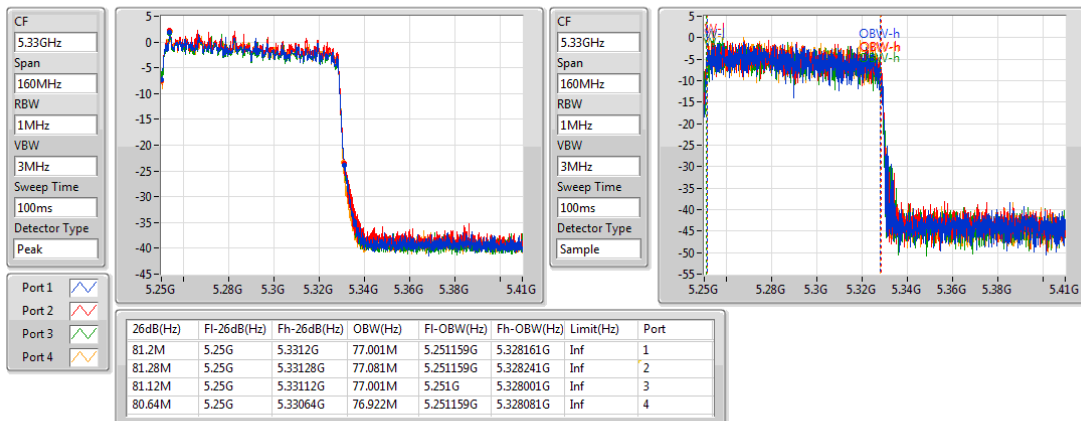


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/03/2019

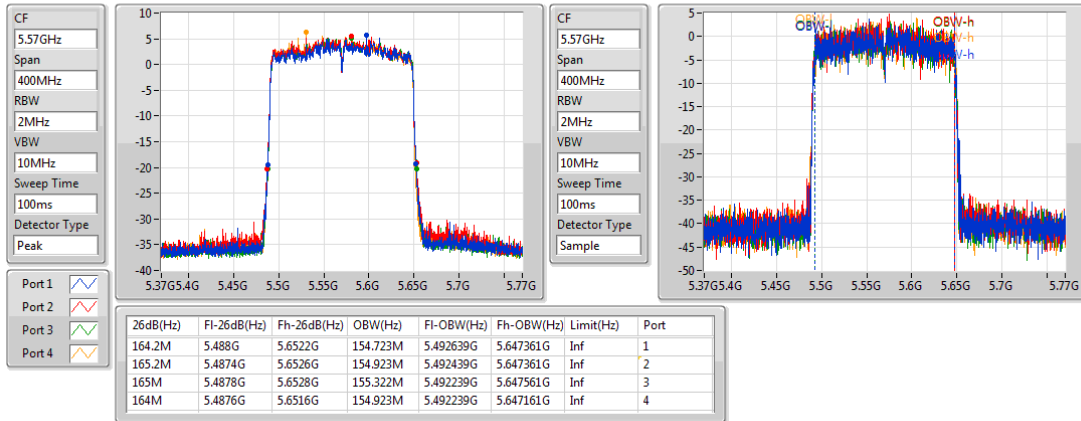


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

08/03/2019



**For Beamforming / 4T1S mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	80.96M	77.241M	77M2D1D	80.8M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.975M	18.991M	19M0D1D	21.375M	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	77.161M	77M2D1D	81.3M	77.061M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.52M	77.161M	77M2D1D	80.88M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.9M	18.991M	19M0D1D	15.69M	14.468M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	34.965M	33.618M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.8M	77.161M	77M2D1D	75.45M	73.163M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.8M	155.522M	156MD1D	163.8M	155.122M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.5M	4.538M	4M54D1D	4.46M	4.498M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.96M	4.058M	4M06D1D	3.74M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.78M	4.078M	4M08D1D	3.34M	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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.675M	18.966M	21.675M	18.966M	21.775M	18.966M	21.45M	18.941M
5300MHz	Pass	Inf	21.7M	18.991M	21.675M	18.966M	21.775M	18.966M	21.375M	18.966M
5320MHz	Pass	Inf	21.7M	18.991M	21.575M	18.991M	21.975M	18.941M	21.425M	18.941M
5500MHz	Pass	Inf	21.825M	18.991M	21.675M	18.991M	21.875M	18.991M	21.5M	18.966M
5580MHz	Pass	Inf	21.85M	18.966M	21.75M	18.966M	21.575M	18.966M	21.4M	18.991M
5700MHz	Pass	Inf	21.775M	18.941M	21.65M	18.991M	21.9M	18.966M	21.4M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	14.483M	15.72M	14.498M	15.81M	14.468M	15.69M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.518M	4.5M	4.538M	4.48M	4.518M	4.48M	4.498M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.9M	37.481M	40.1M	37.481M	40.1M	37.631M	40.2M	37.631M
5310MHz	Pass	Inf	39.95M	37.631M	40.15M	37.581M	40.05M	37.481M	40M	37.581M
5510MHz	Pass	Inf	39.9M	37.531M	40.2M	37.531M	40M	37.531M	40.2M	37.581M
5550MHz	Pass	Inf	40M	37.531M	40.05M	37.631M	40.1M	37.581M	40.15M	37.581M
5670MHz	Pass	Inf	39.95M	37.431M	40.2M	37.481M	40.15M	37.581M	40.1M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.618M	35.07M	33.688M	35.035M	33.653M	35.035M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.038M	3.74M	4.038M	3.96M	4.058M	3.9M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.7M	77.061M	81.3M	77.061M	81.4M	77.061M	81.6M	77.161M
5530MHz	Pass	Inf	81.6M	77.061M	81.2M	76.962M	81.3M	77.061M	81.5M	77.161M
5610MHz	Pass	Inf	81.8M	77.061M	81M	77.061M	81.6M	77.161M	81.4M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	73.163M	75.6M	73.238M	75.45M	73.238M	75.825M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.018M	3.64M	4.058M	3.74M	4.078M	3.34M	4.058M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.241M	80.96M	77.241M	80.96M	77.161M	80.88M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.001M	80.96M	77.001M	80.88M	77.161M	81.52M	77.081M
5570MHz	Pass	Inf	164.8M	155.122M	164.6M	155.522M	163.8M	155.522M	164.8M	155.122M

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

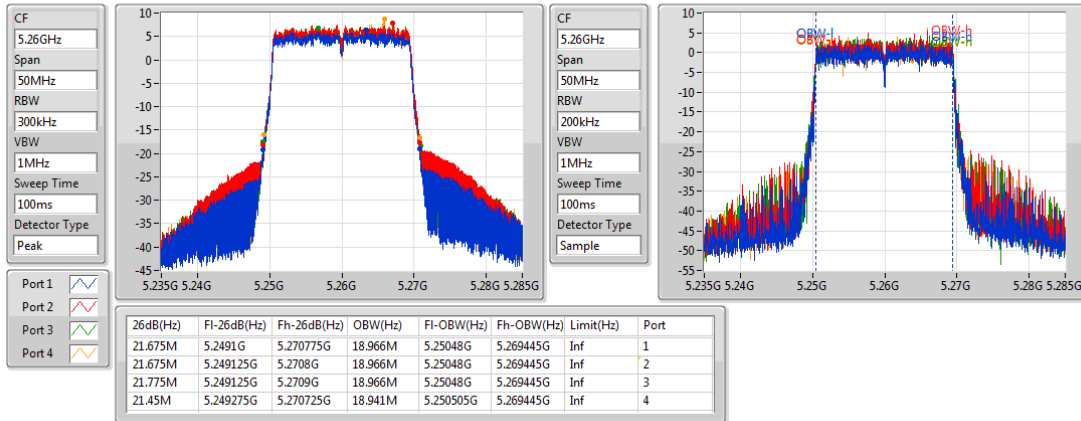
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

06/03/2019

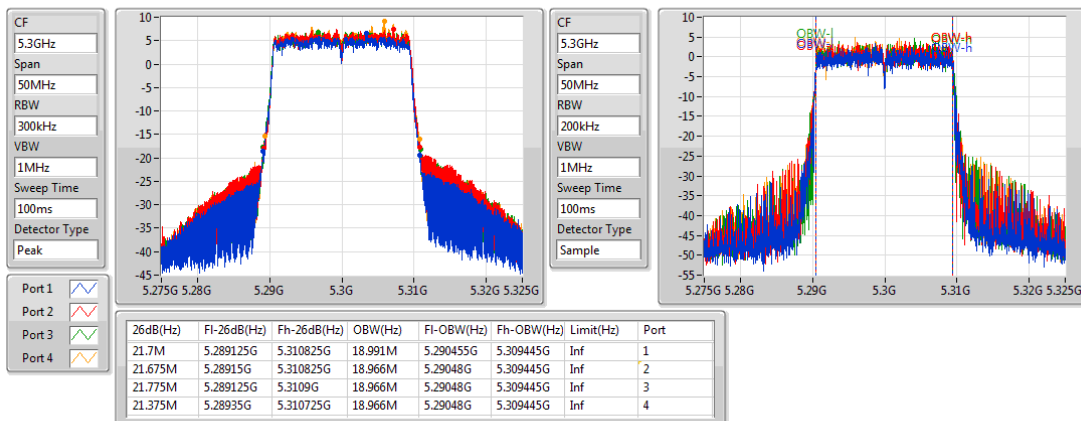


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

06/03/2019

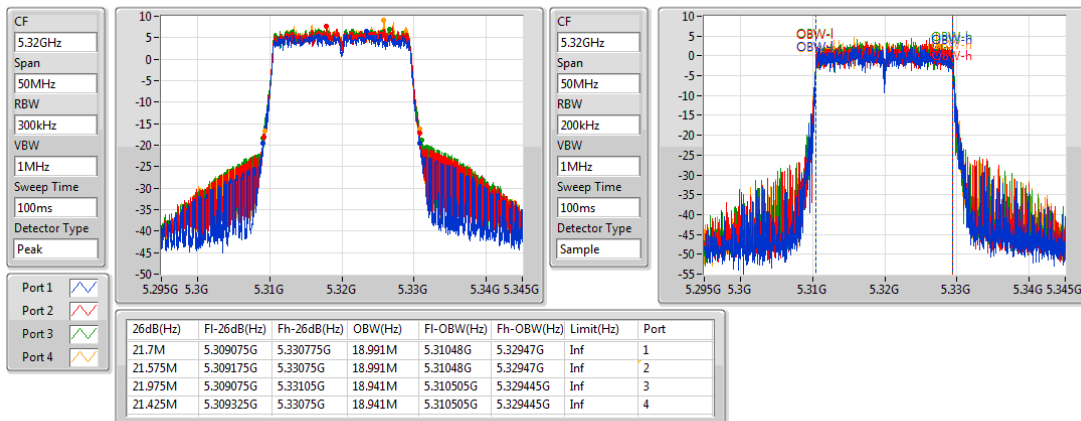


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

06/03/2019

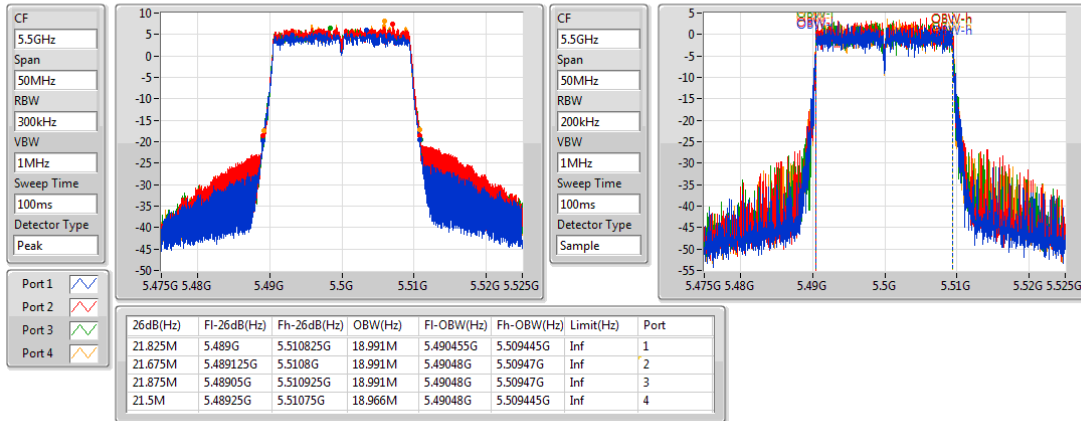


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

06/03/2019

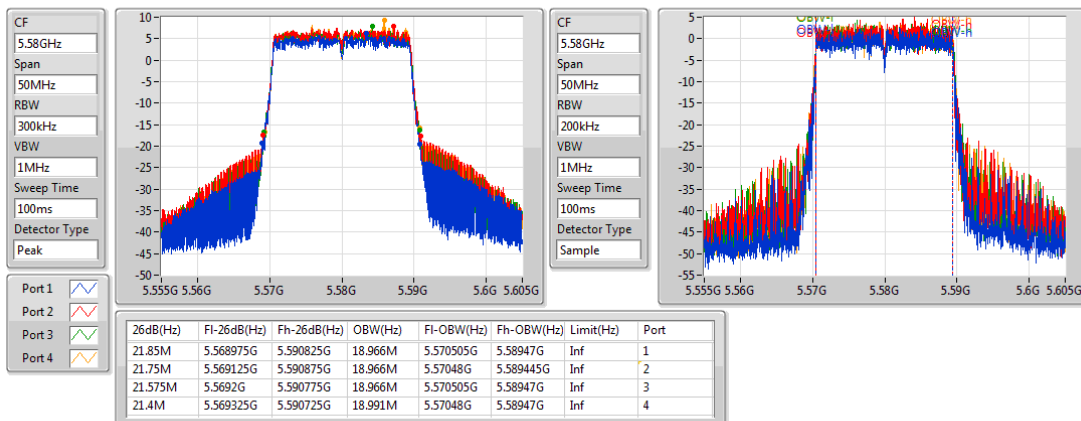


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

06/03/2019

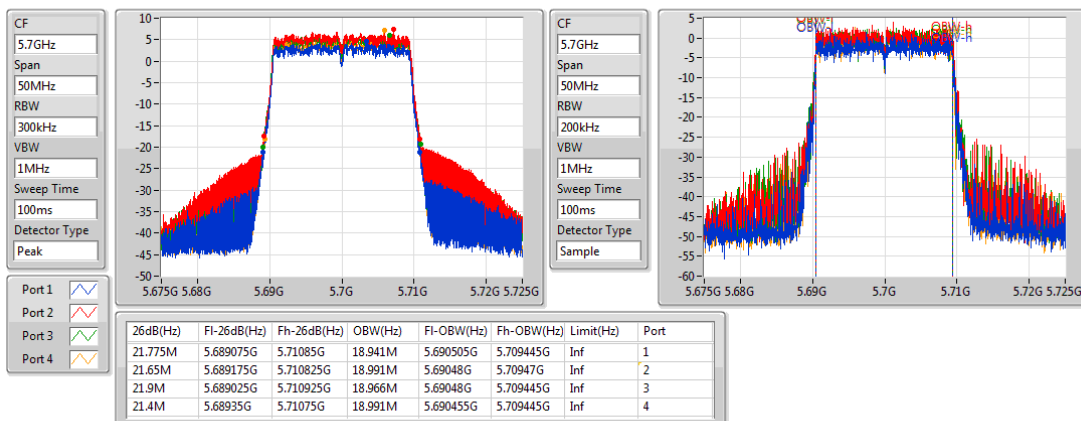


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

06/03/2019

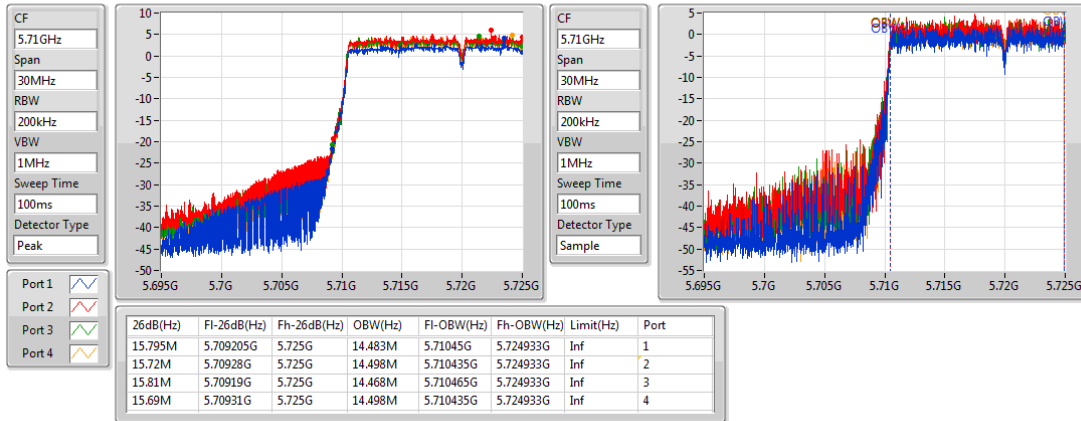


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/03/2019

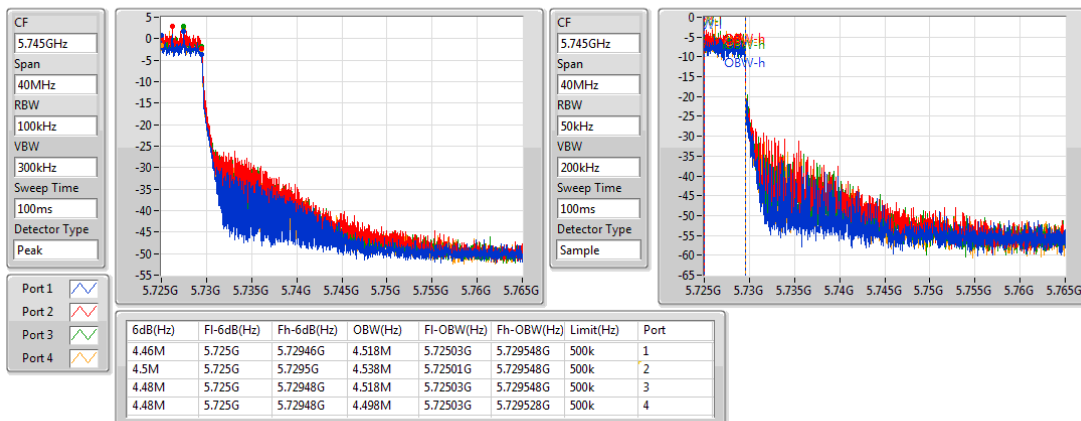


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

06/03/2019

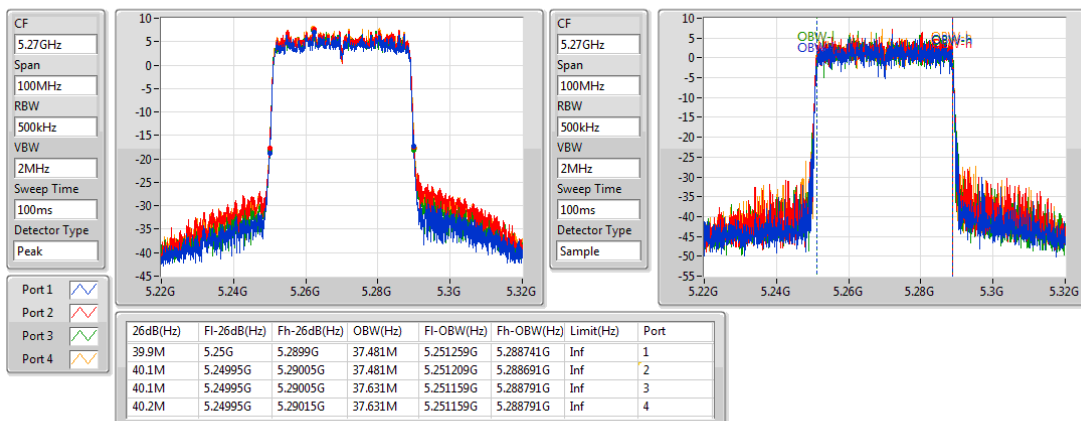


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

06/03/2019

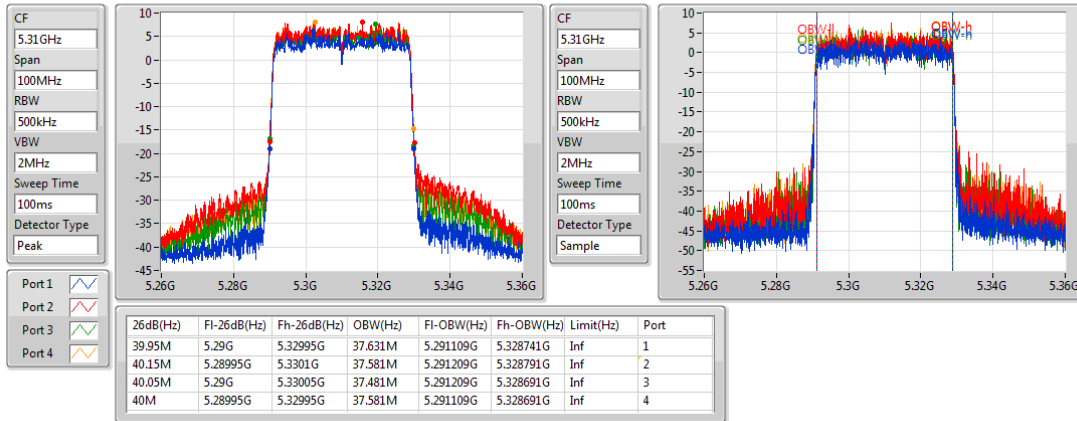


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

06/03/2019

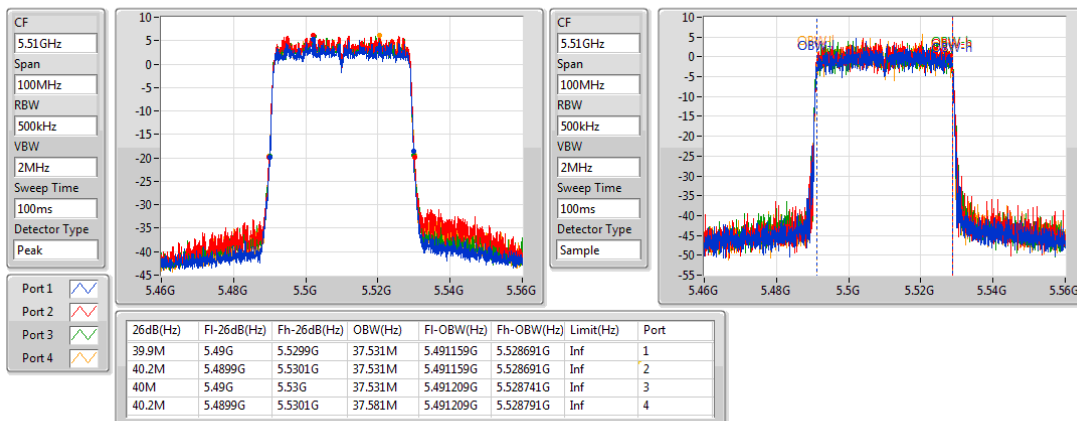


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

06/03/2019

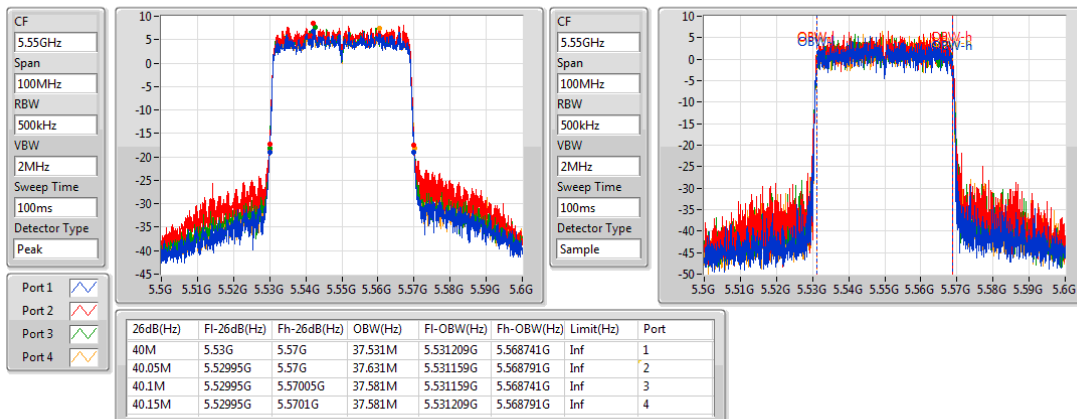


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

06/03/2019

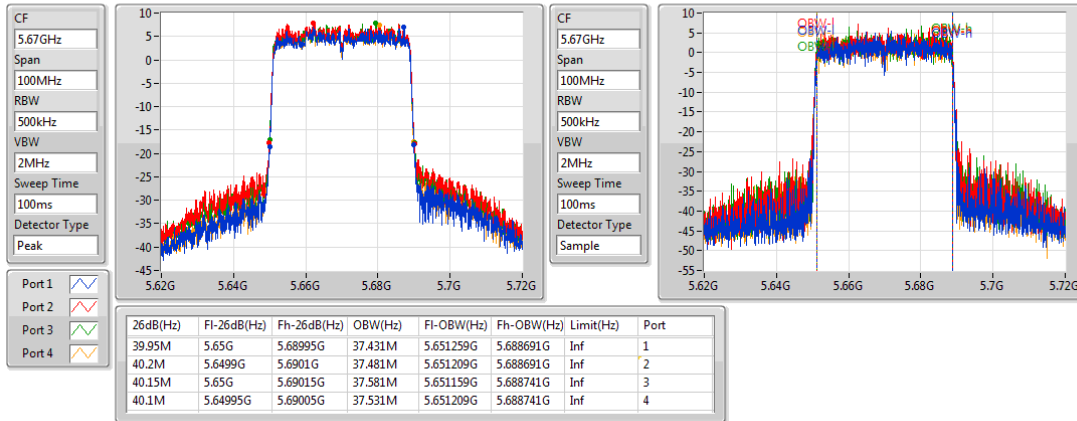


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

06/03/2019

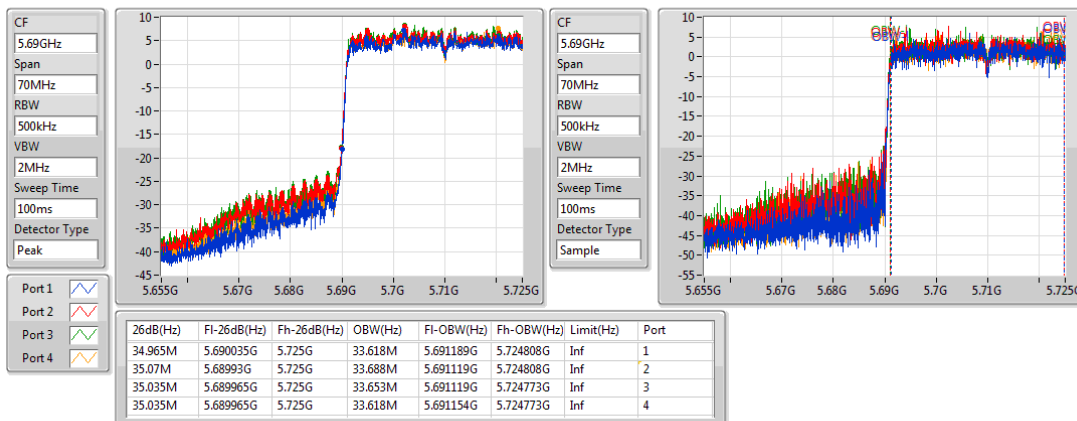


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

06/03/2019

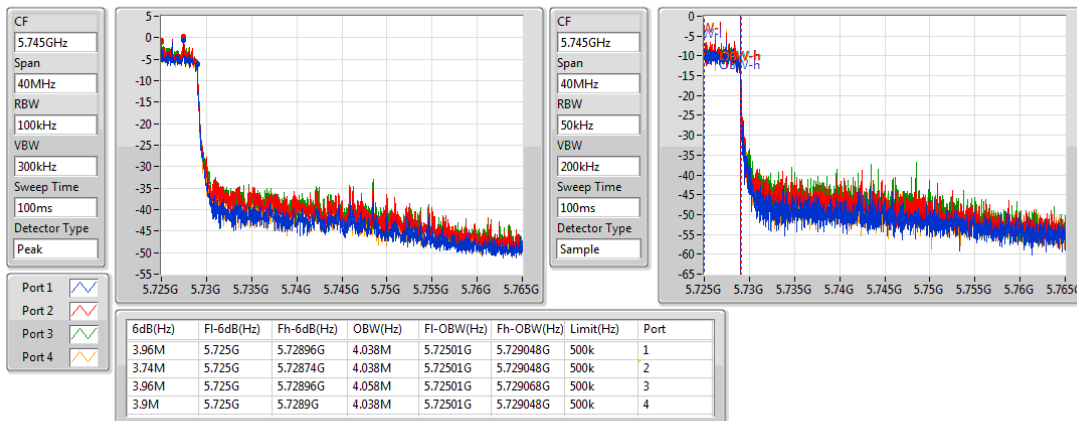


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

06/03/2019

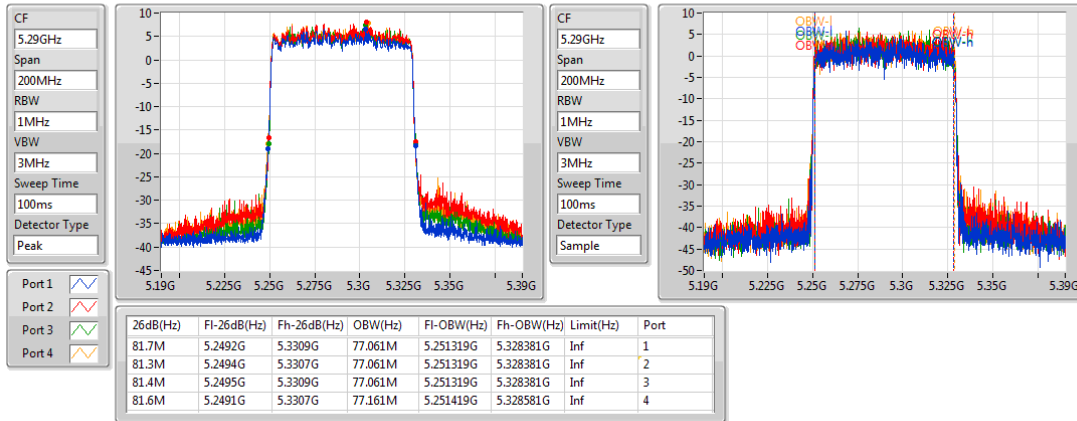


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

06/03/2019

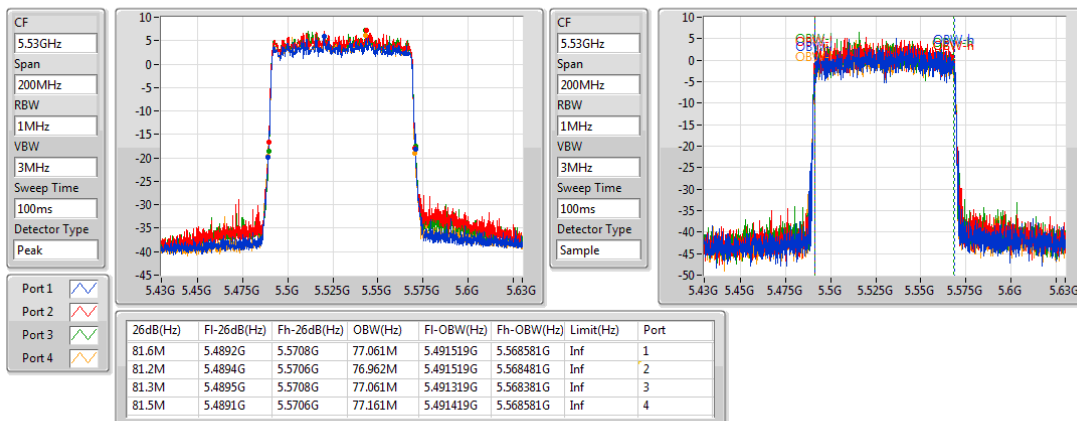


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

06/03/2019

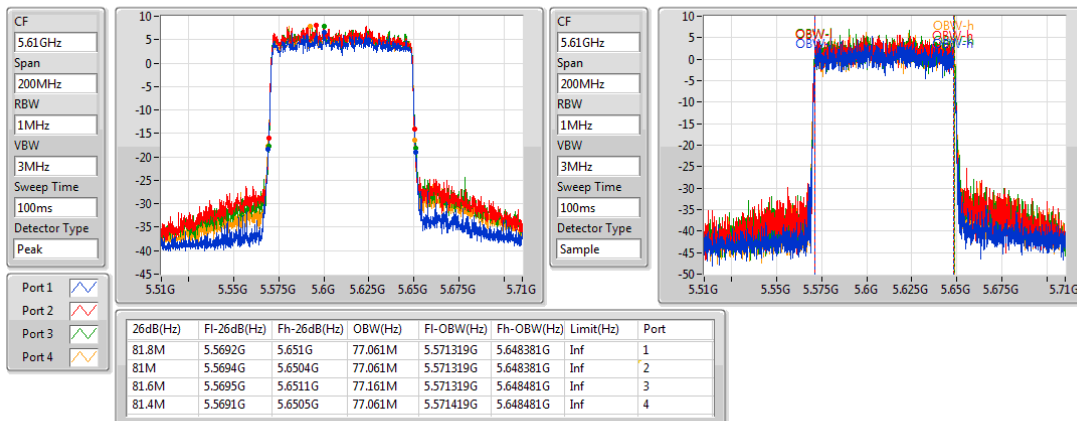


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

06/03/2019

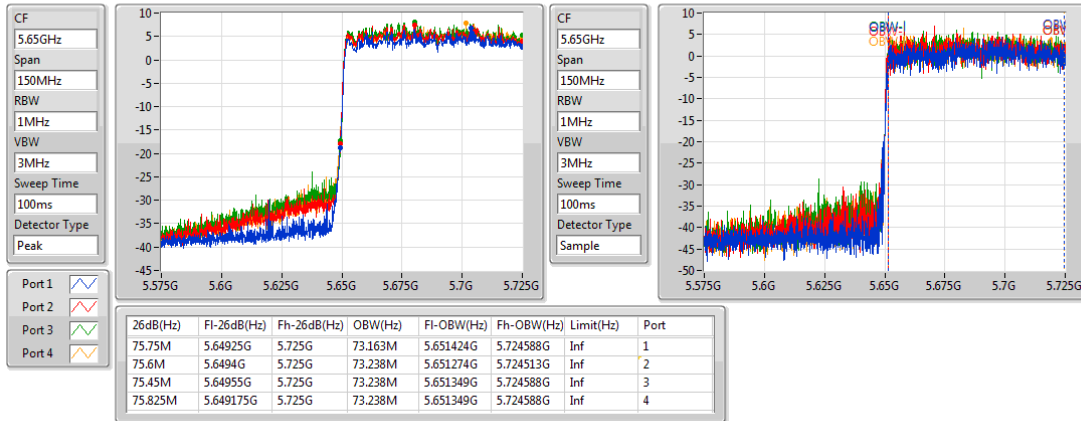


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

06/03/2019

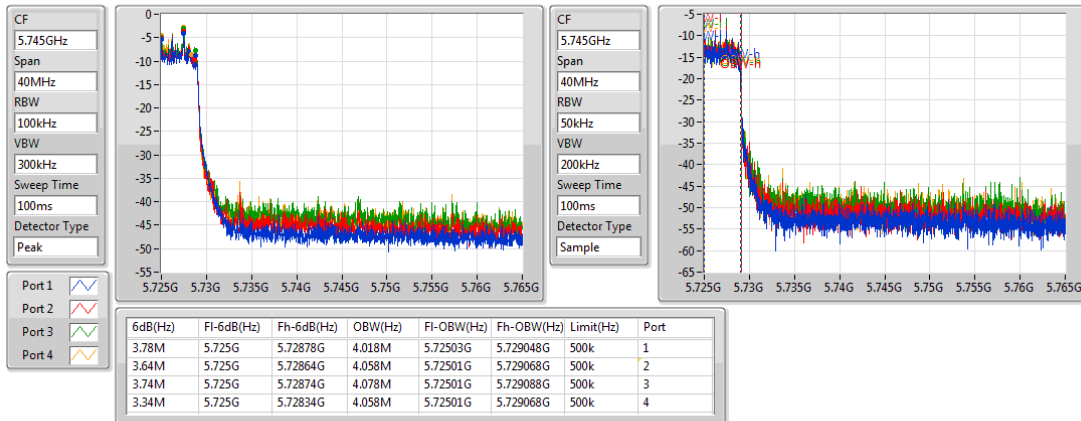


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/03/2019

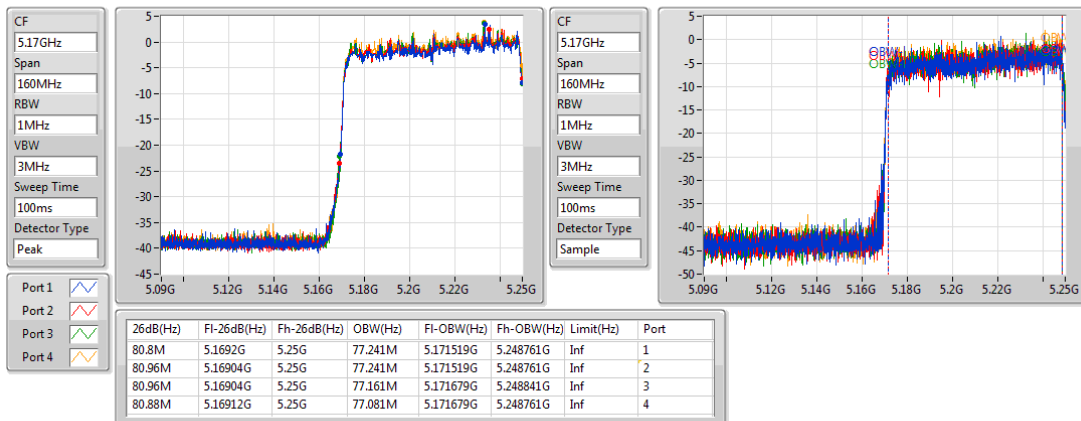


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/03/2019

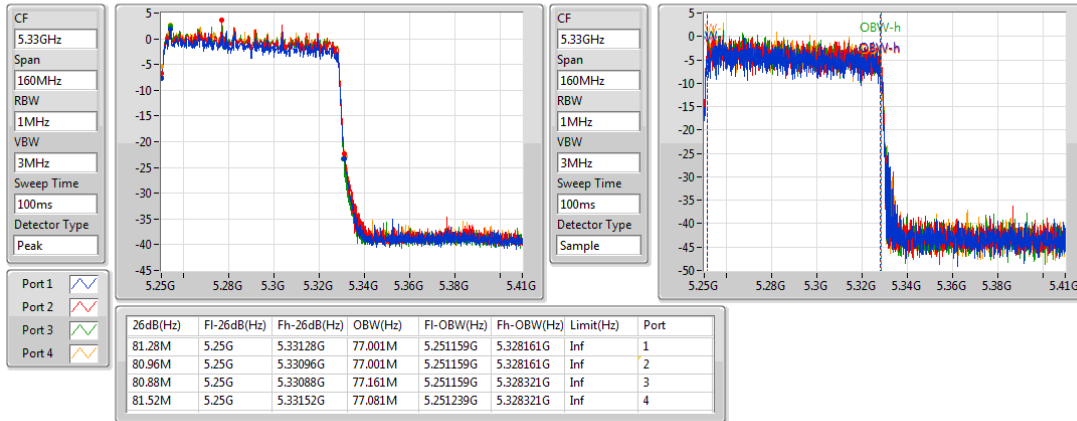


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/03/2019

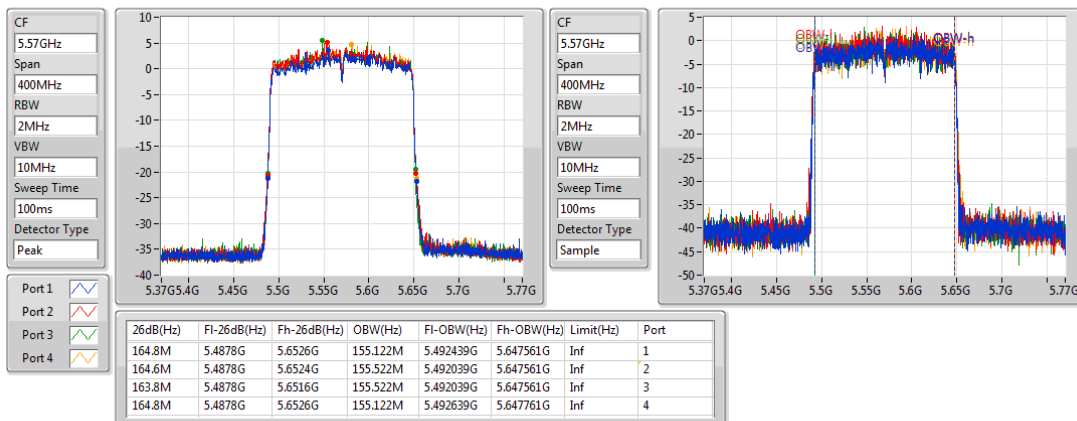


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

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	81.44M	77.401M	77M4D1D	80.48M	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	40.65M	37.631M	37M6D1D	40.15M	37.431M
802.11ax HEW80_Nss4,(MCS0)_4TX	82.1M	77.261M	77M3D1D	81.4M	76.862M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.24M	77.161M	77M2D1D	80.96M	77.001M
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	45.2M	37.681M	37M7D1D	35.105M	33.653M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.9M	77.261M	77M3D1D	75.525M	73.088M
802.11ax HEW160_Nss4,(MCS0)_4TX	165.2M	155.122M	155MD1D	164.2M	154.723M
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	3.92M	8.076M	8M08D1D	3.5M	4.138M
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	21.8M	18.941M	21.775M	18.966M	21.9M	18.966M	21.375M	18.941M
5500MHz	Pass	Inf	21.725M	18.941M	21.725M	18.991M	21.9M	18.941M	21.5M	18.941M
5580MHz	Pass	Inf	23.375M	18.966M	24.625M	18.991M	23.025M	18.941M	25.55M	18.991M
5700MHz	Pass	Inf	21.775M	18.966M	21.775M	18.966M	21.8M	18.941M	21.35M	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	40.2M	37.531M	40.3M	37.581M	40.65M	37.481M	40.25M	37.581M
5310MHz	Pass	Inf	40.15M	37.531M	40.15M	37.531M	40.15M	37.431M	40.2M	37.631M
5510MHz	Pass	Inf	40.25M	37.581M	40.1M	37.631M	40.1M	37.481M	40.25M	37.581M
5550MHz	Pass	Inf	40.35M	37.531M	45.1M	37.631M	45.2M	37.581M	40.2M	37.681M
5670MHz	Pass	Inf	40.3M	37.531M	40.1M	37.581M	40.15M	37.481M	40.25M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.28M	33.688M	35.105M	33.653M	35.49M	33.653M	35.14M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.138M	3.5M	8.076M	3.9M	7.216M	3.88M	4.358M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.4M	76.962M	81.6M	76.862M	81.8M	76.962M	82.1M	77.261M
5530MHz	Pass	Inf	81.5M	76.862M	81.7M	76.962M	81.7M	76.962M	81.9M	77.061M
5610MHz	Pass	Inf	81.3M	77.061M	81.5M	77.261M	81.7M	77.061M	81.7M	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	81.12M	77.401M	81.44M	77.001M	80.48M	77.081M	80.88M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.24M	77.081M	81.36M	77.001M	82.24M	77.161M	80.96M	77.001M
5570MHz	Pass	Inf	165.2M	155.122M	164.2M	154.923M	164.6M	154.723M	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

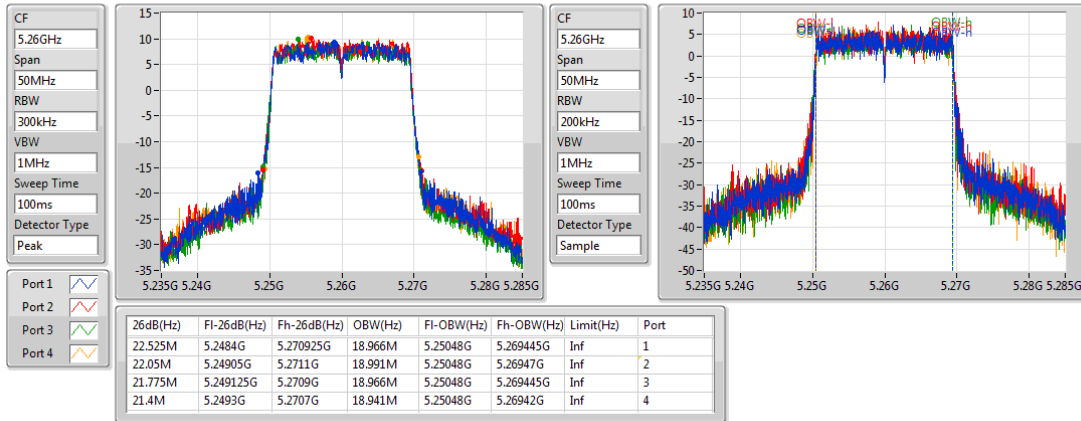
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5260MHz

07/03/2019

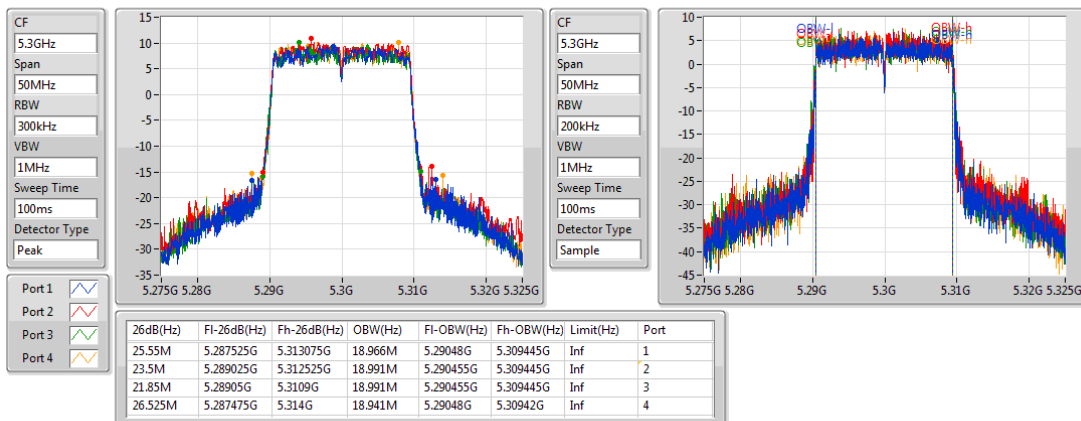


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5300MHz

07/03/2019

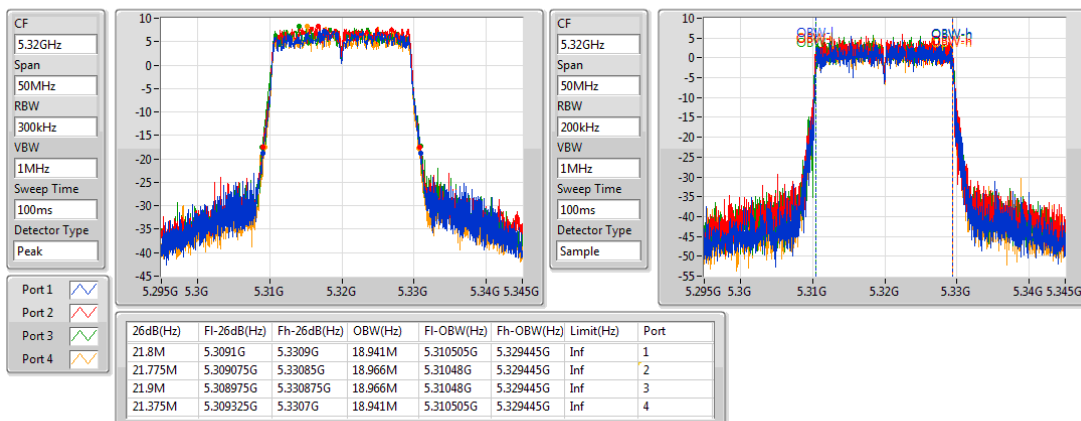


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5320MHz

08/03/2019

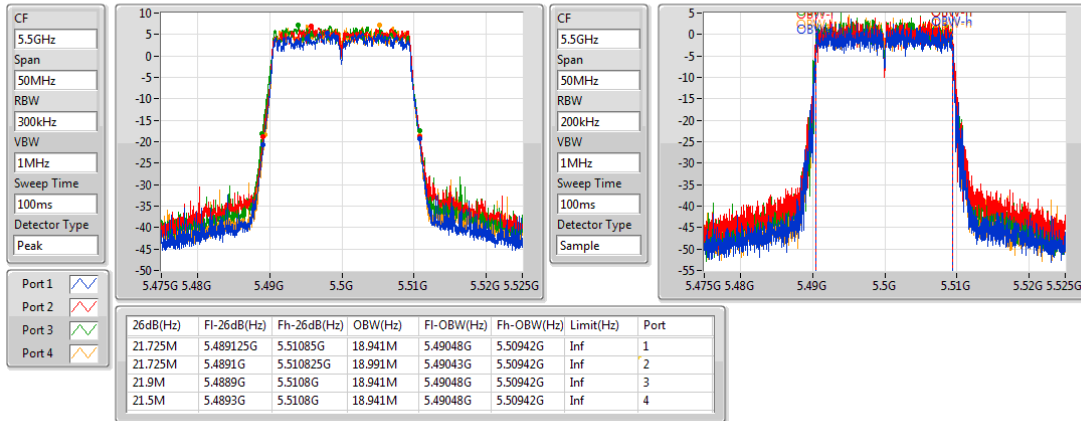


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5500MHz

08/03/2019

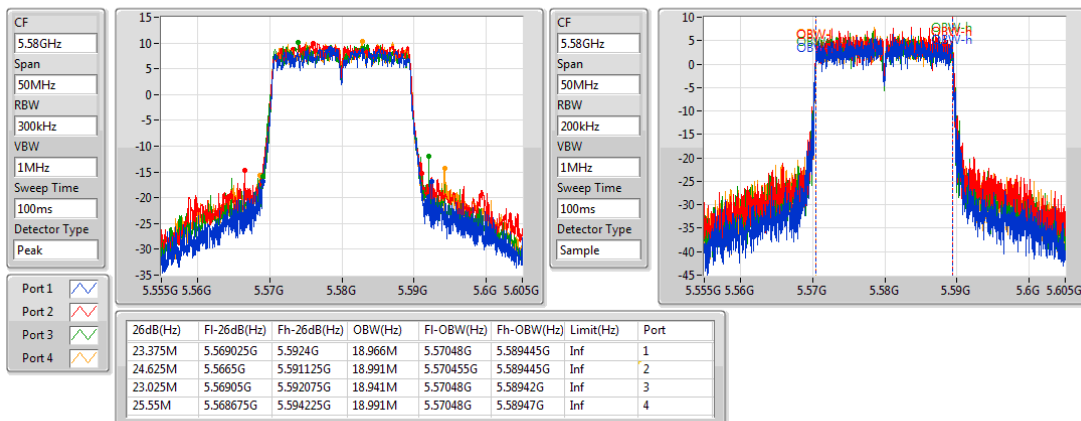


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5580MHz

07/03/2019

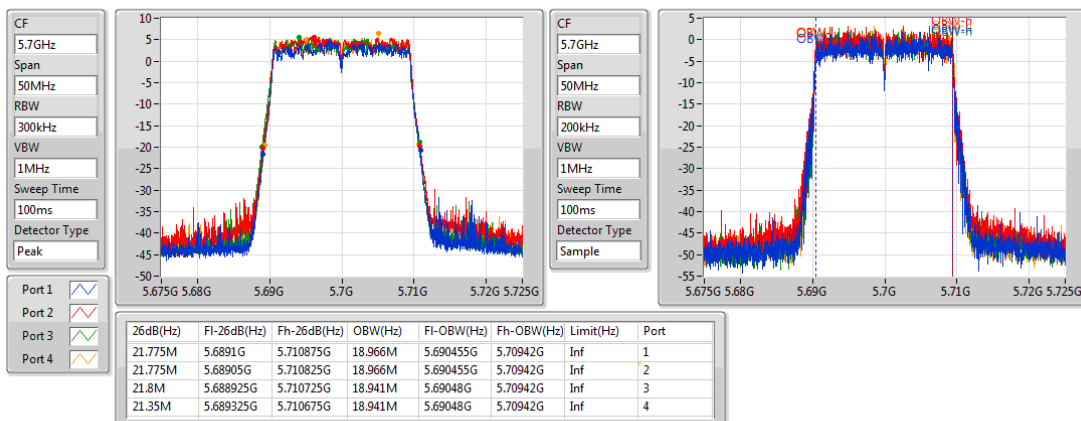


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5700MHz

08/03/2019

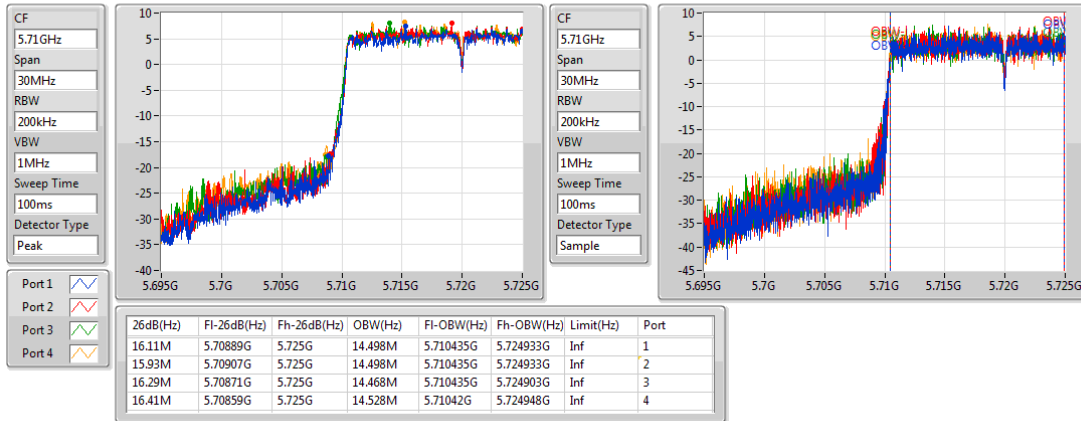


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/03/2019

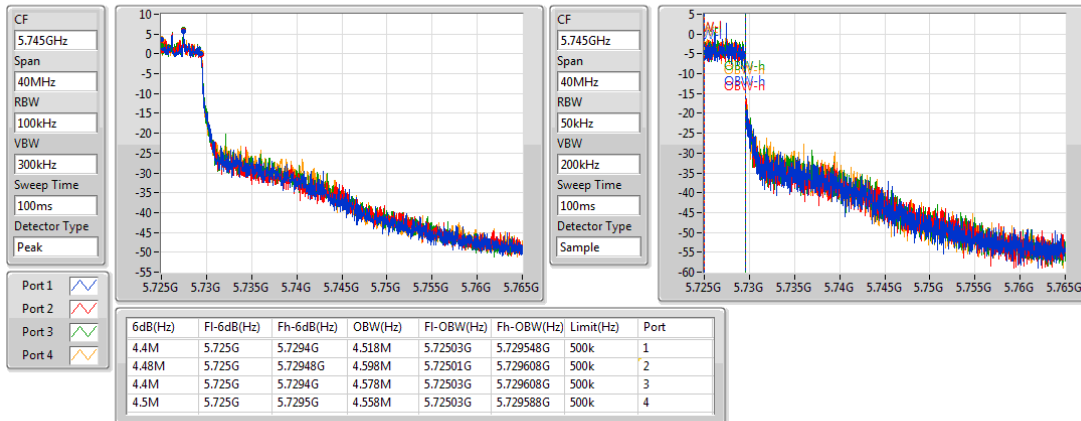


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/03/2019

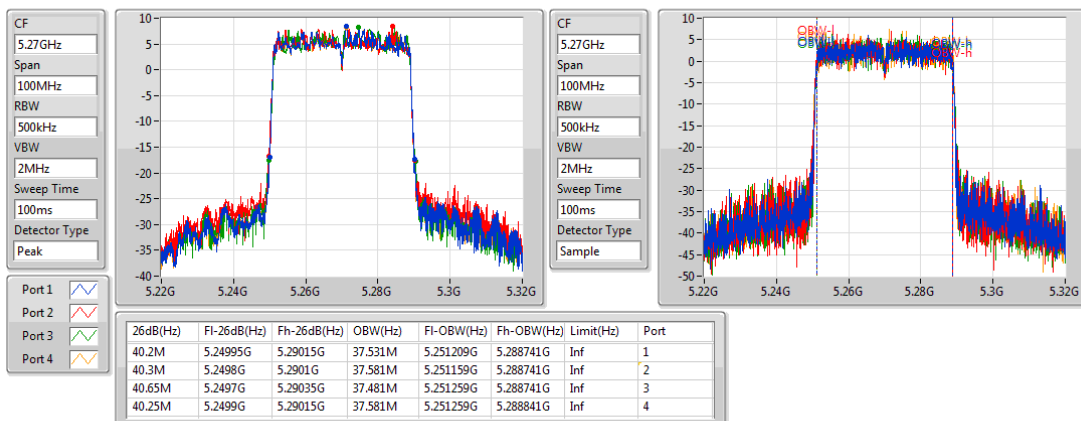


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5270MHz

29/04/2019

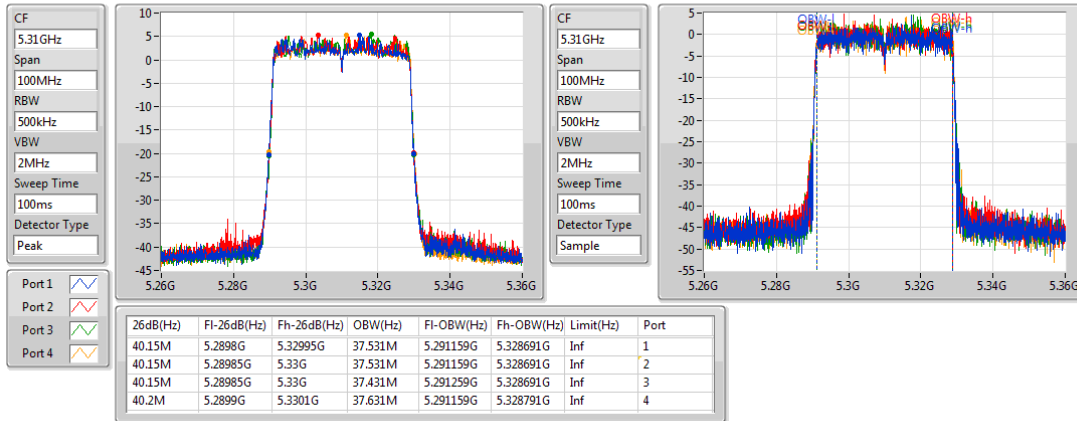


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

08/03/2019

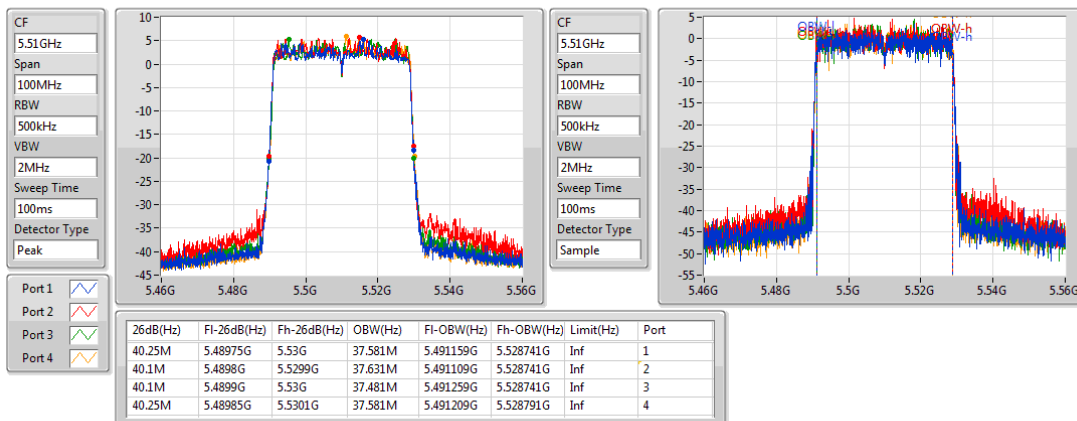


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

08/03/2019

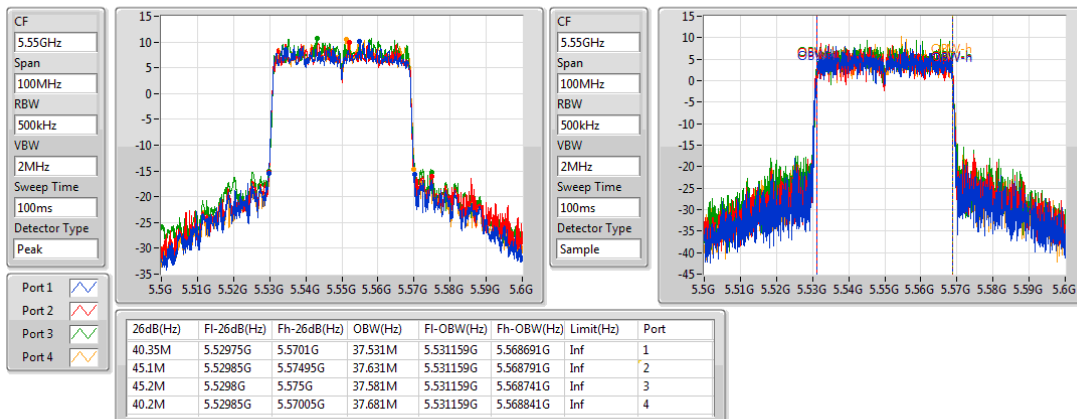


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

08/03/2019

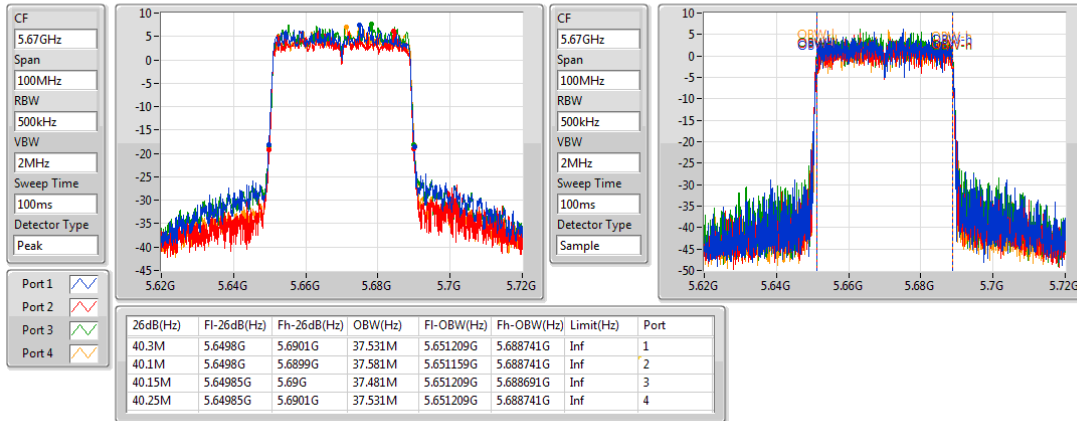


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5670MHz

08/03/2019

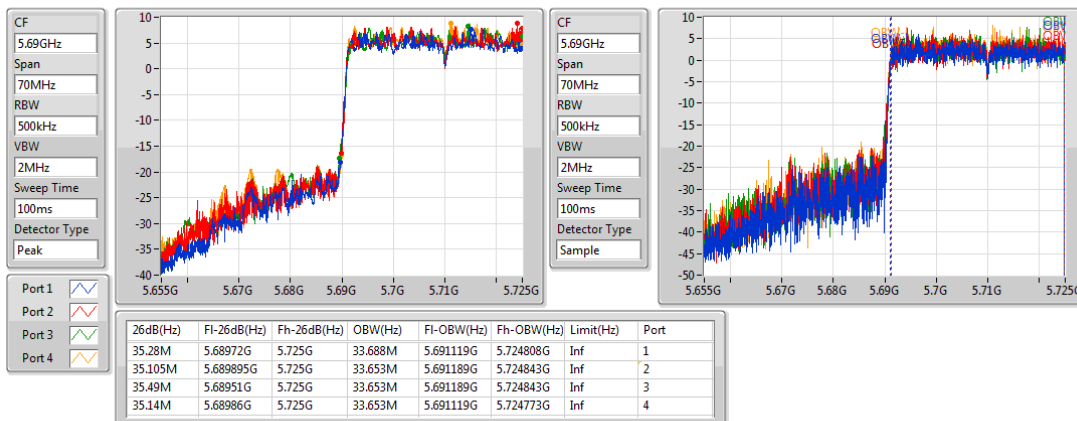


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

29/04/2019

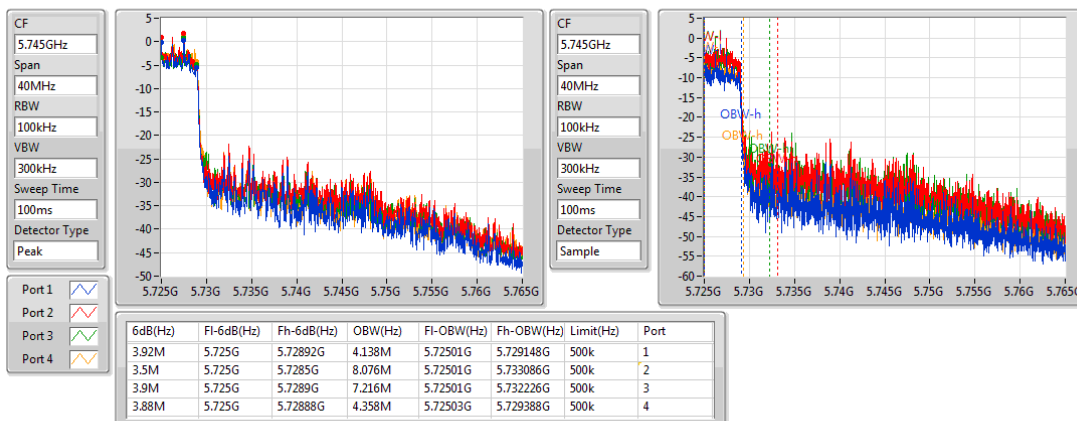


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

29/04/2019

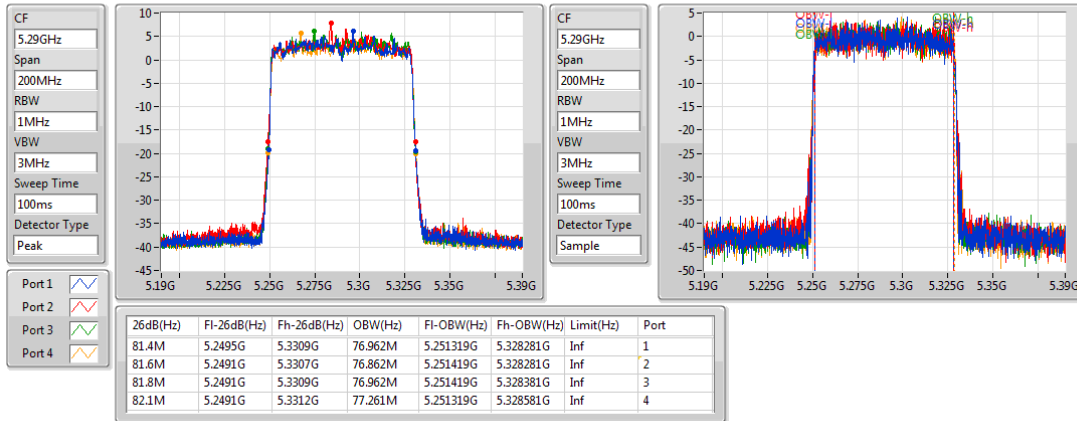


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

08/03/2019

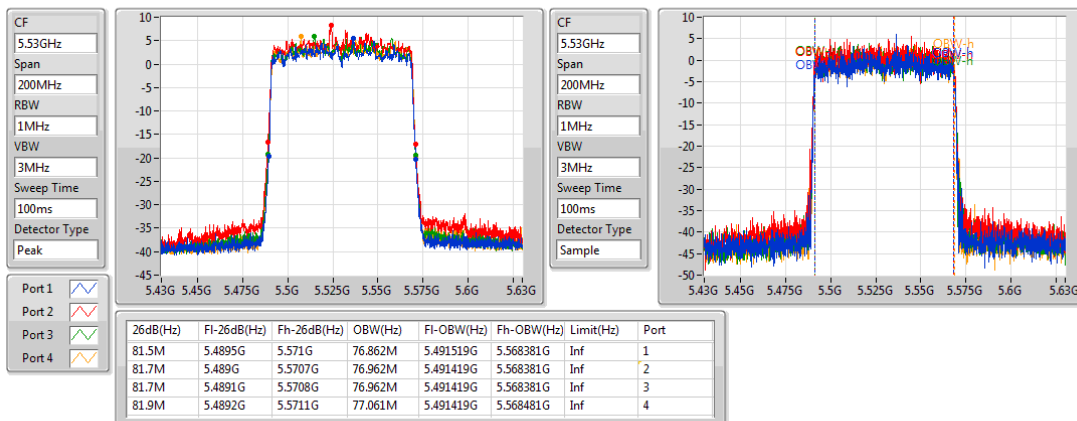


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

08/03/2019

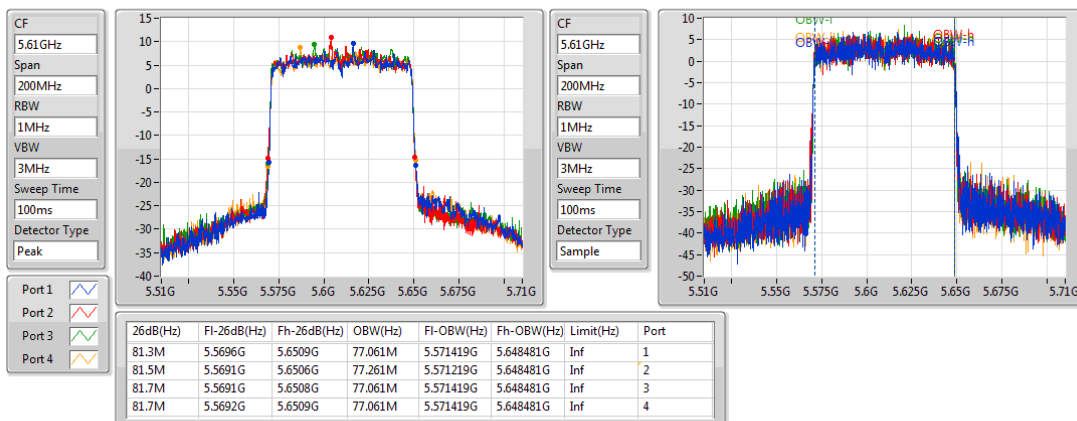


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

08/03/2019

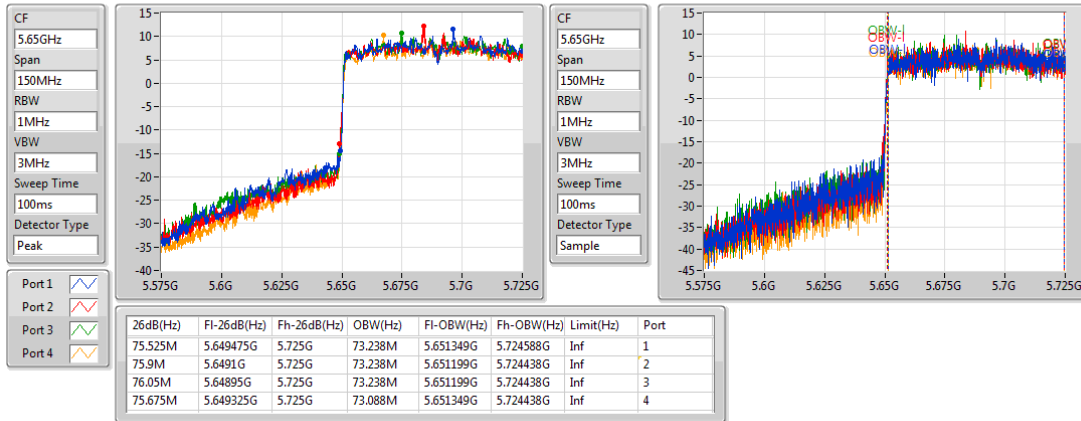


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/03/2019

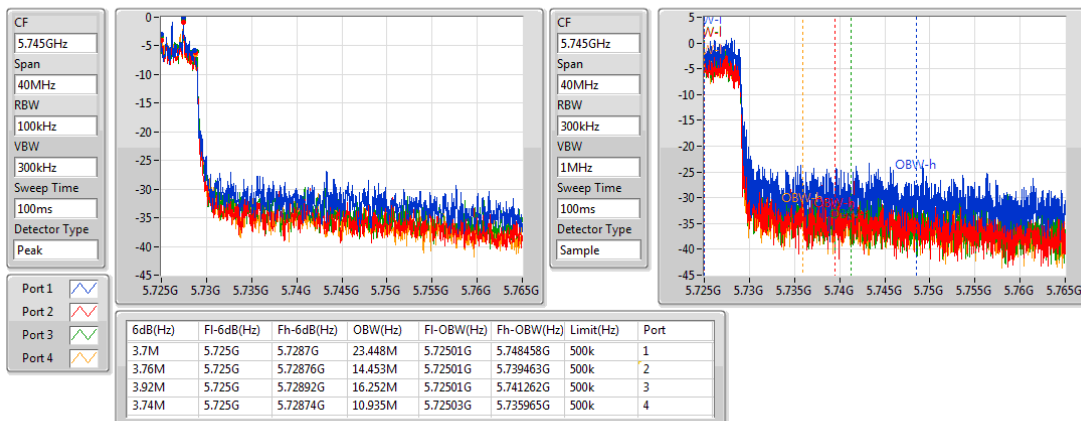


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/03/2019

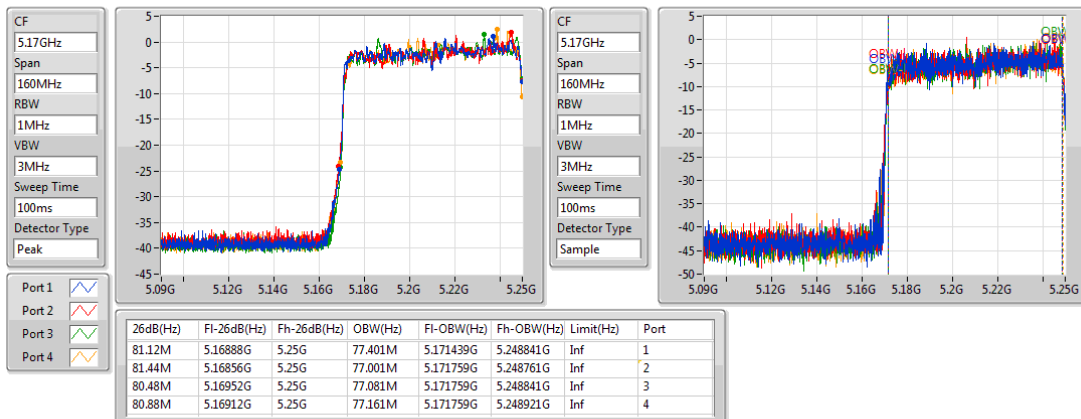


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

08/03/2019

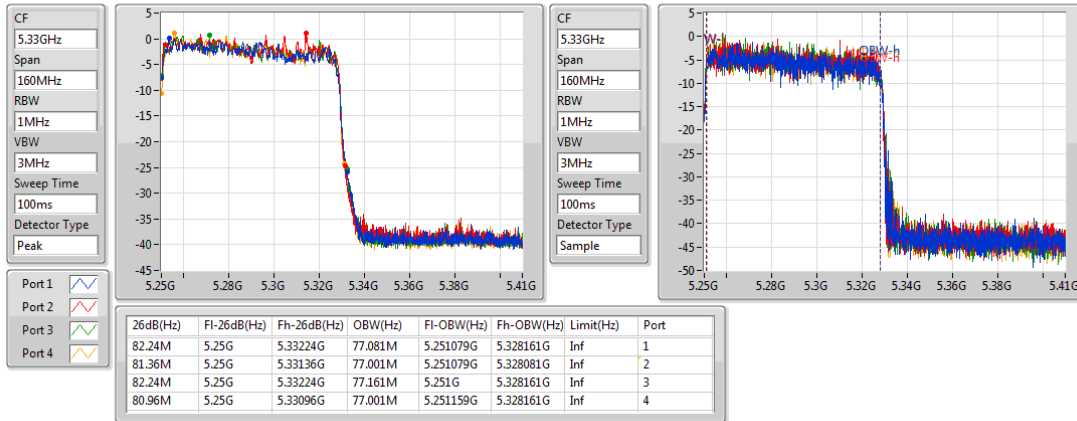


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/03/2019

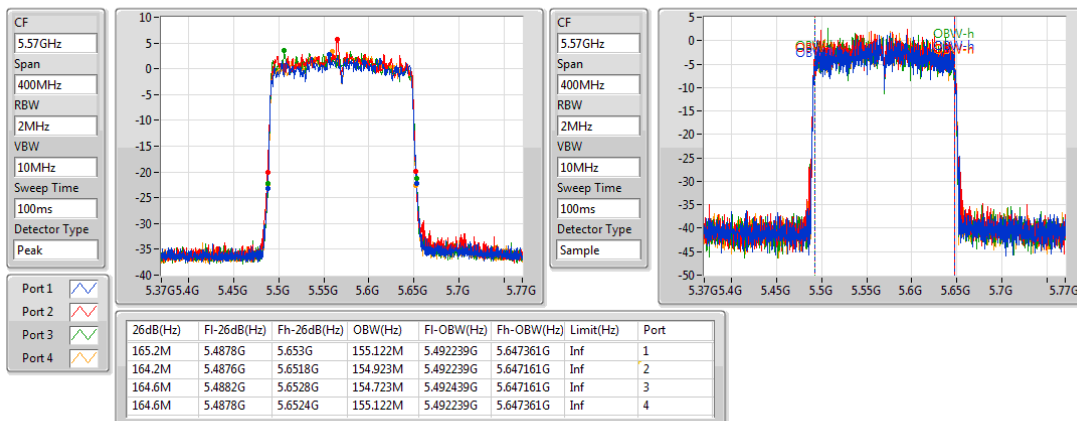


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

08/03/2019



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

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	80.96M	77.241M	77M2D1D	80.96M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.475M	16.717M	16M7D1D	21.5M	16.542M
802.11ax HEW20_Nss1,(MCS0)_1TX	36.275M	19.015M	19M0D1D	23.625M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	40M	37.581M	37M6D1D	39.95M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.9M	76.962M	77M0D1D	81.9M	76.962M
802.11ax HEW160_Nss1,(MCS0)_1TX	81.12M	77.081M	77M1D1D	81.12M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	43.425M	19.79M	19M8D1D	21.475M	14.543M
802.11ax HEW20_Nss1,(MCS0)_1TX	43M	19.89M	19M9D1D	21.65M	14.603M
802.11ax HEW40_Nss1,(MCS0)_1TX	54.32M	37.631M	37M6D1D	39.9M	34.248M
802.11ax HEW80_Nss1,(MCS0)_1TX	98.775M	77.461M	77M5D1D	81.8M	73.538M
802.11ax HEW160_Nss1,(MCS0)_1TX	165.6M	154.723M	155MD1D	165.6M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.12M	10.745M	10M7D1D	3.12M	10.745M
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	3.46M	33.263M	33M3D1D	3.46M	33.263M

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	38.175M	16.667M
5300MHz	Pass	Inf	38.475M	16.717M
5320MHz	Pass	Inf	21.5M	16.542M
5500MHz	Pass	Inf	21.575M	16.567M
5580MHz	Pass	Inf	43.425M	19.79M
5700MHz	Pass	Inf	21.475M	16.542M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	24.915M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	10.745M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	36.275M	18.991M
5300MHz	Pass	Inf	28.425M	19.015M
5320MHz	Pass	Inf	23.625M	18.966M
5500MHz	Pass	Inf	21.875M	18.941M
5580MHz	Pass	Inf	43M	19.89M
5700MHz	Pass	Inf	21.65M	18.941M
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	40M	37.581M
5310MHz	Pass	Inf	39.95M	37.531M
5510MHz	Pass	Inf	39.9M	37.531M
5550MHz	Pass	Inf	46.75M	37.631M
5670MHz	Pass	Inf	39.9M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.32M	34.248M
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	3.98M	25.487M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	81.9M	76.962M
5530MHz	Pass	Inf	81.9M	76.962M
5610MHz	Pass	Inf	81.8M	77.461M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	98.775M	73.538M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.46M	33.263M
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	165.6M	154.723M

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

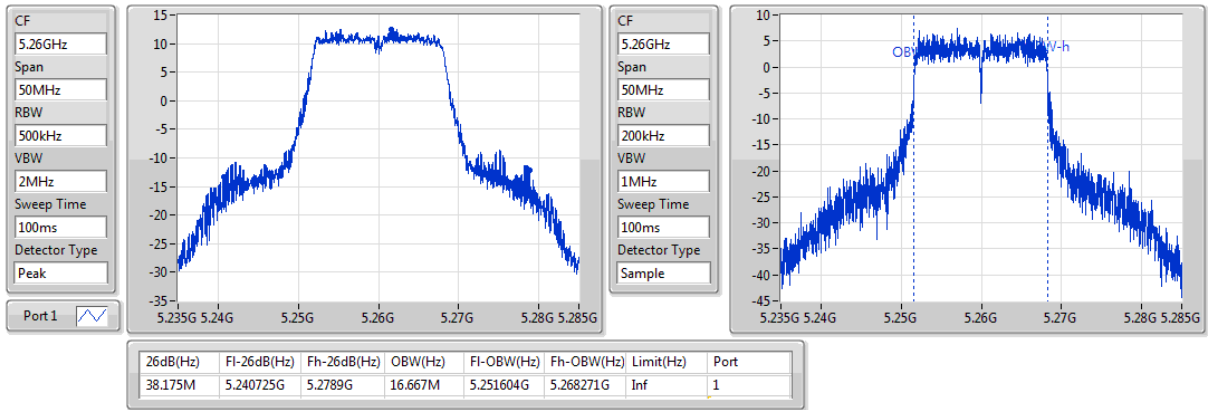
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

05/03/2019

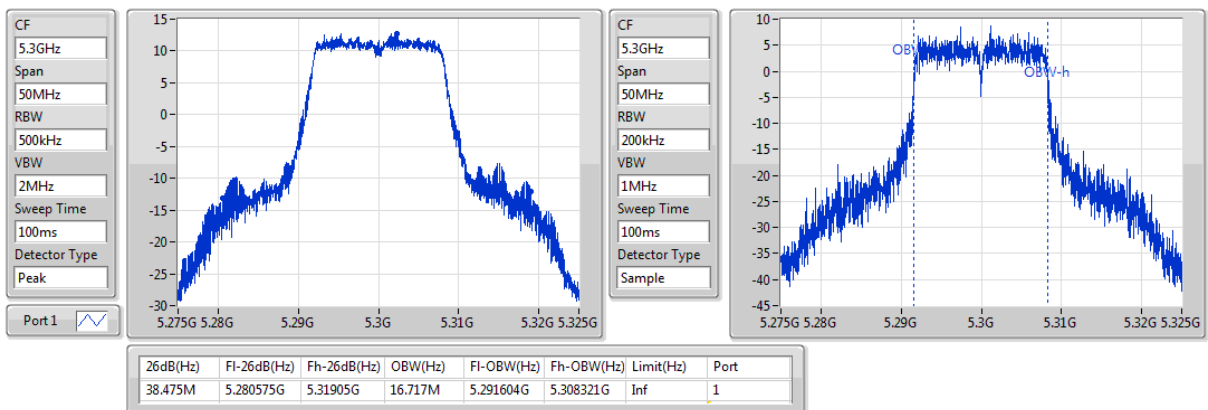


802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

05/03/2019

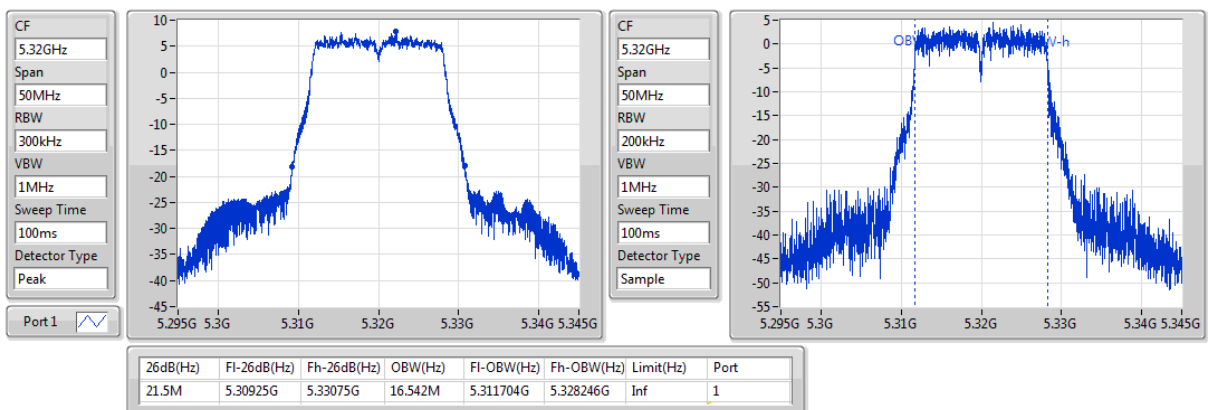


802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

05/03/2019

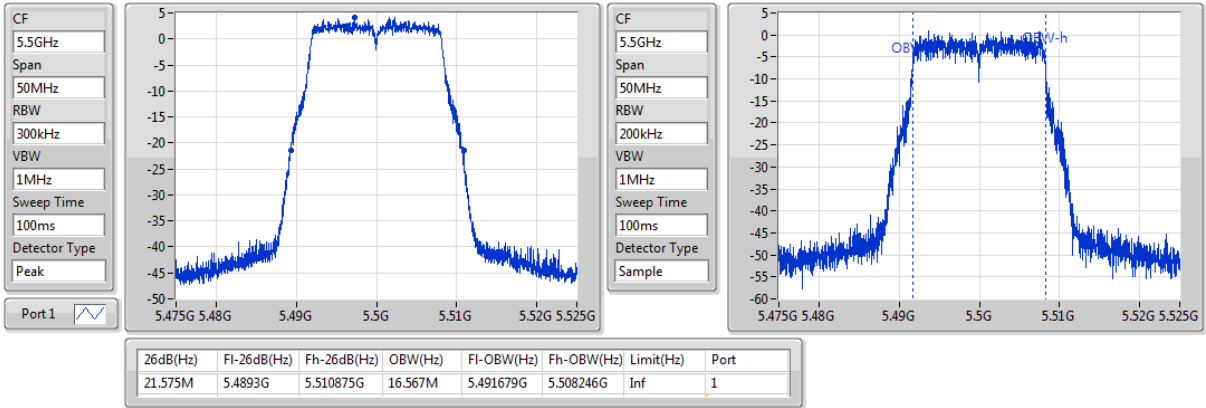


802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

05/03/2019

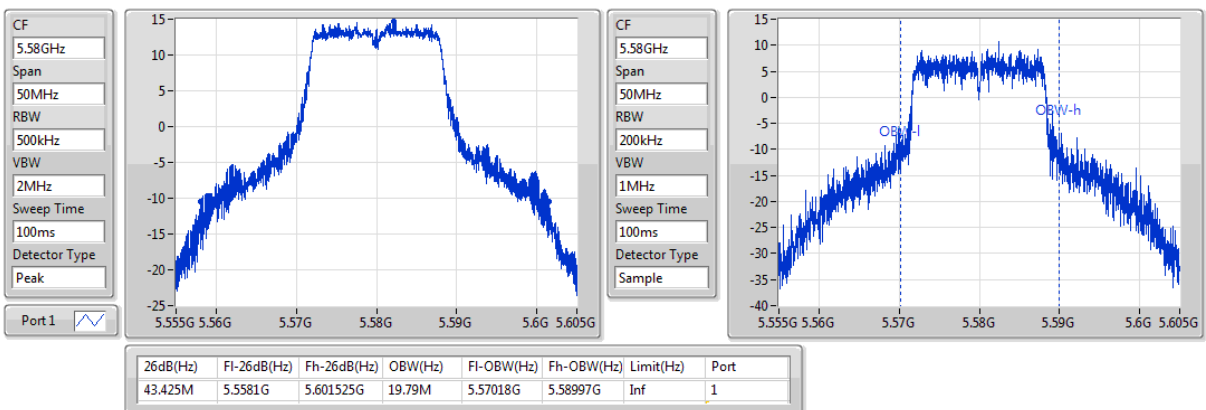


802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

05/03/2019

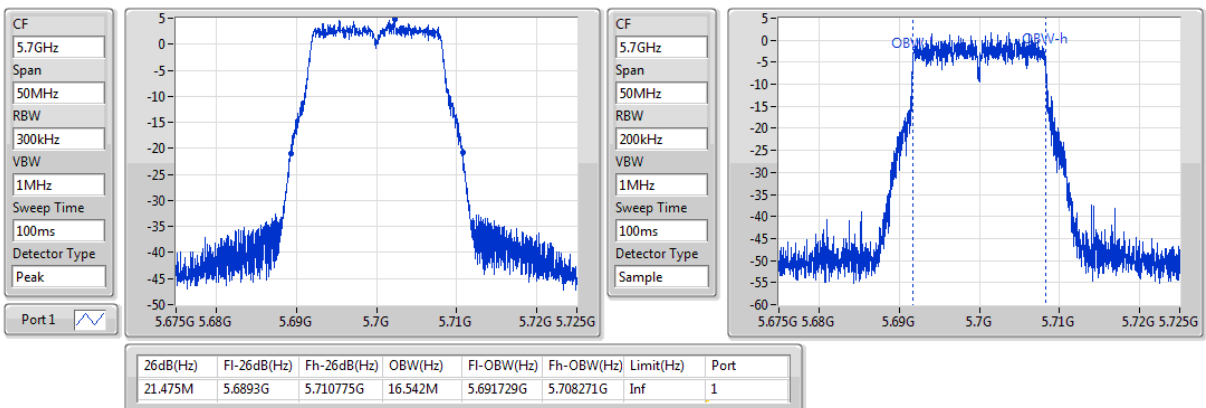


802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

05/03/2019

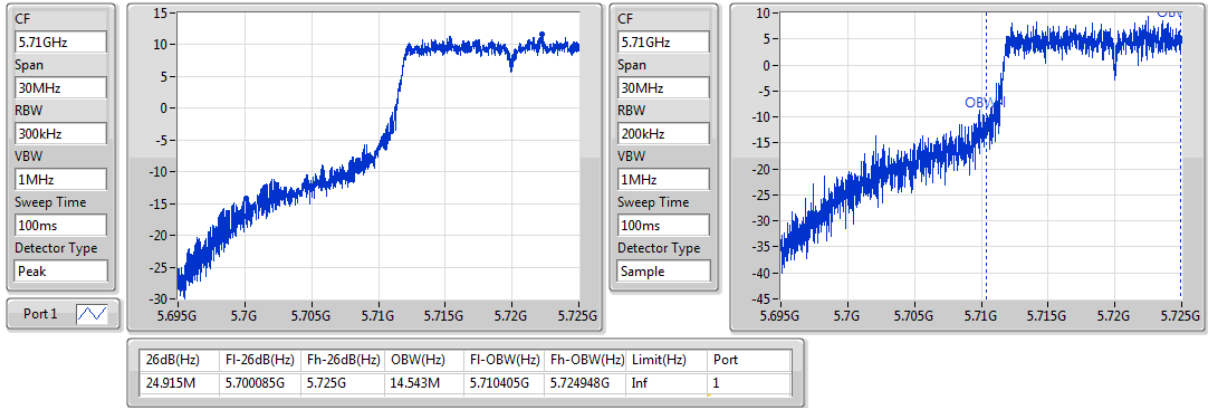


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

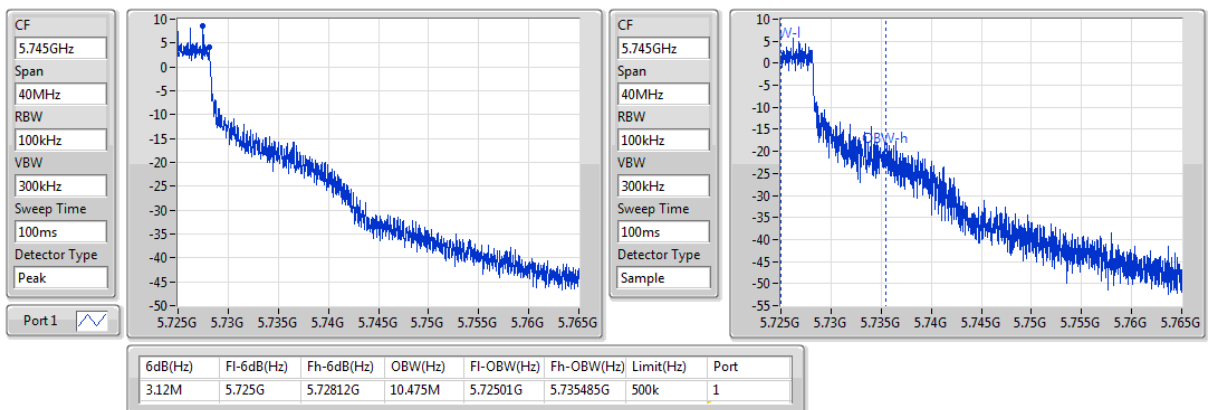


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

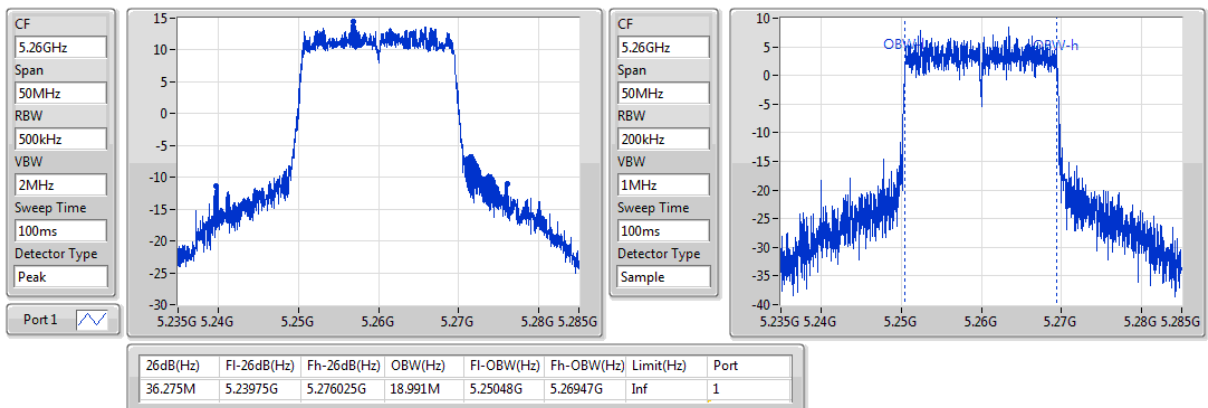


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

05/03/2019

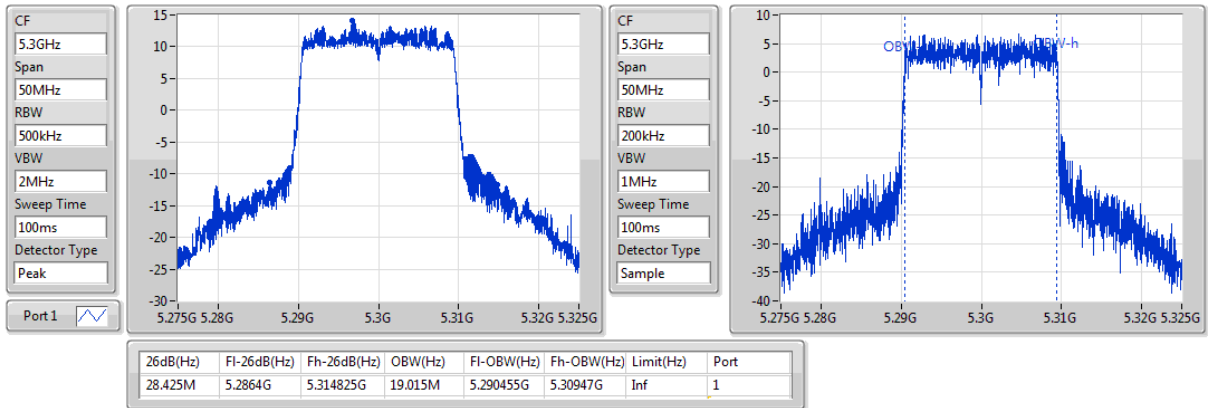


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

05/03/2019

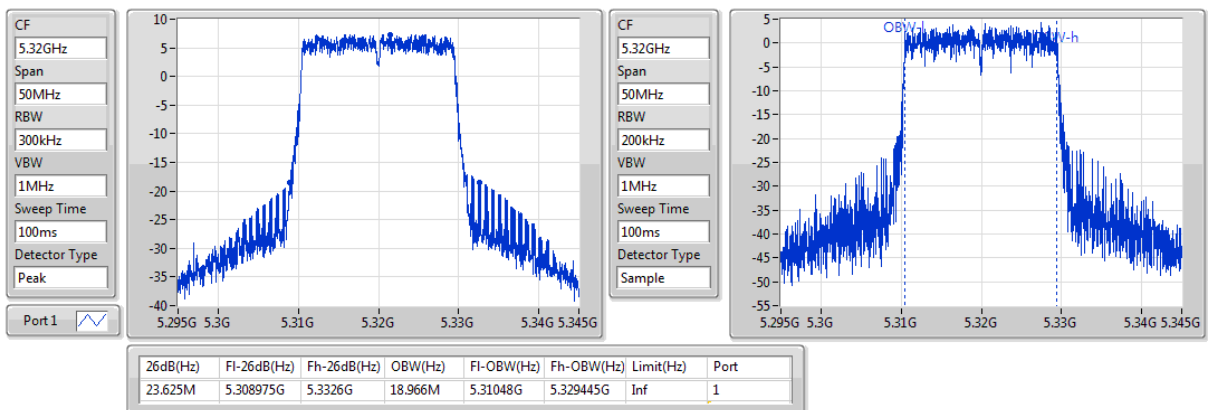


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

05/03/2019

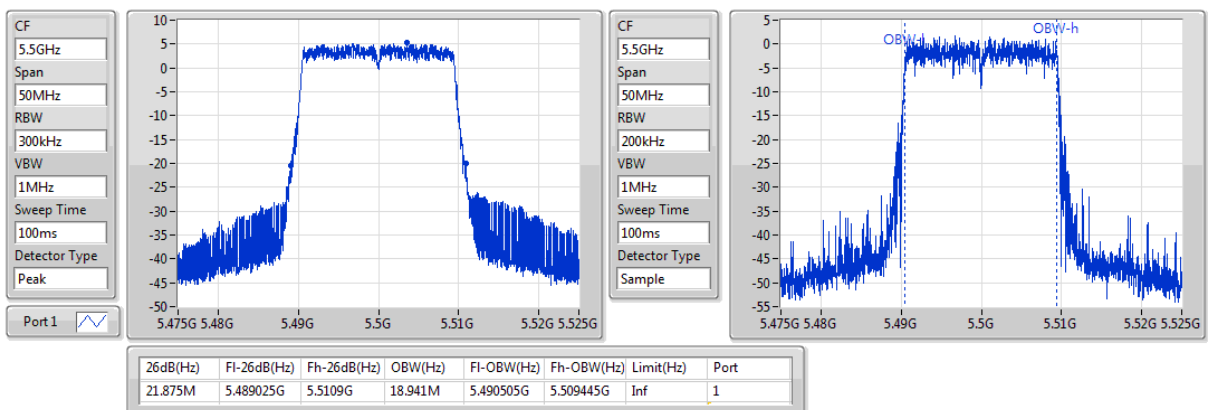


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

05/03/2019

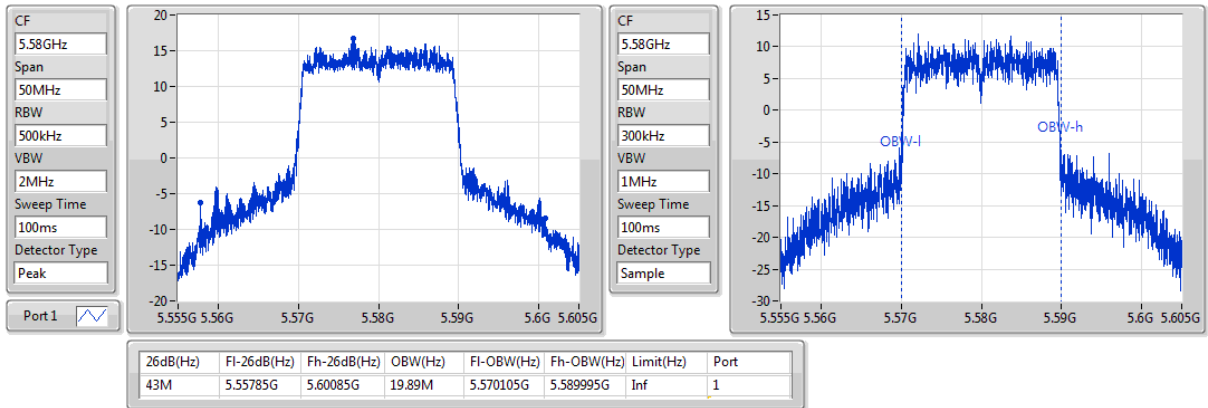


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

05/03/2019

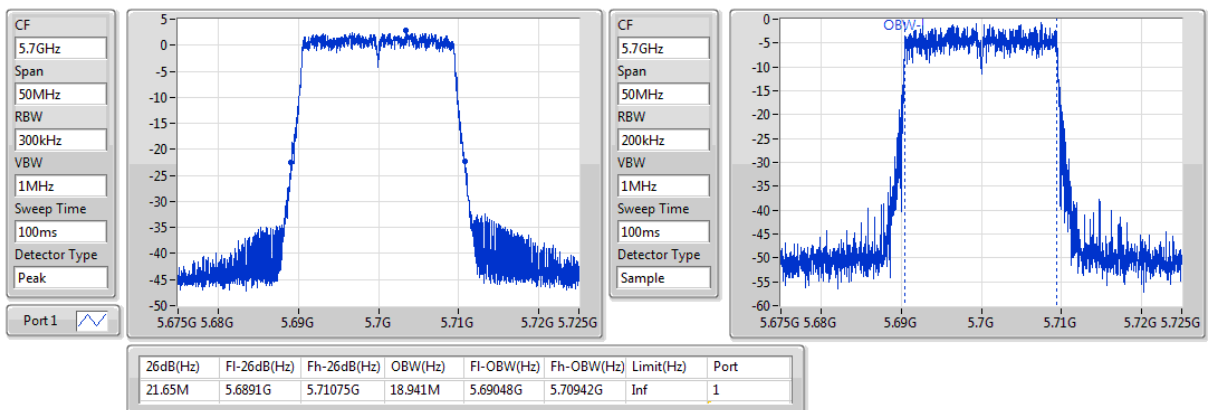


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

05/03/2019

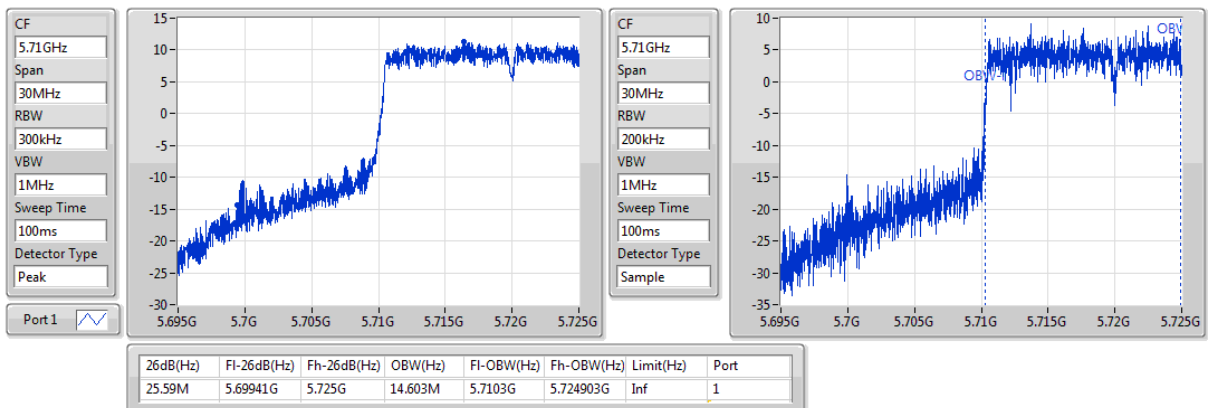


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/03/2019

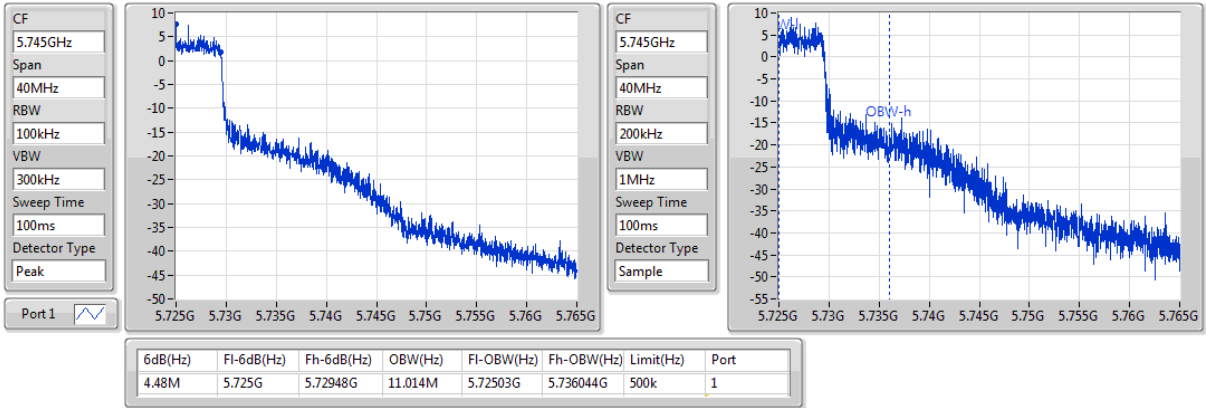


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/03/2019

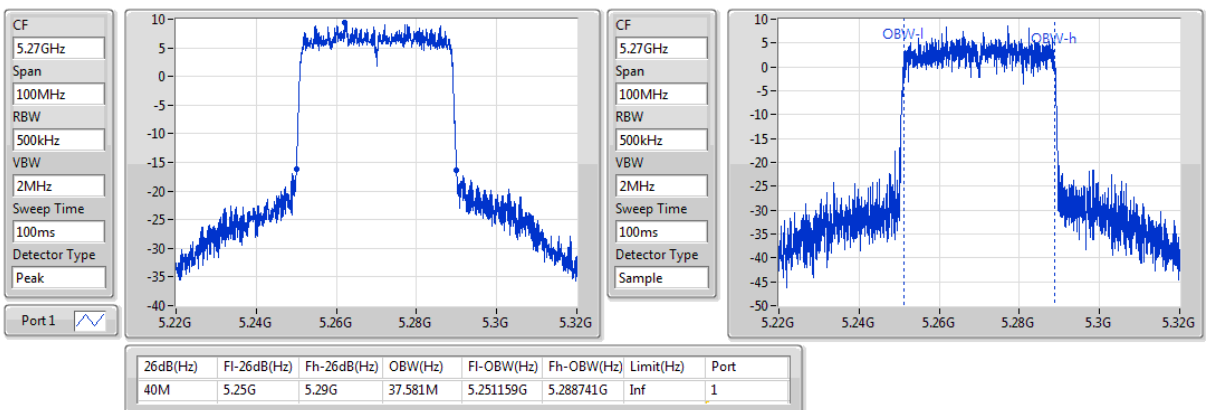


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

05/03/2019

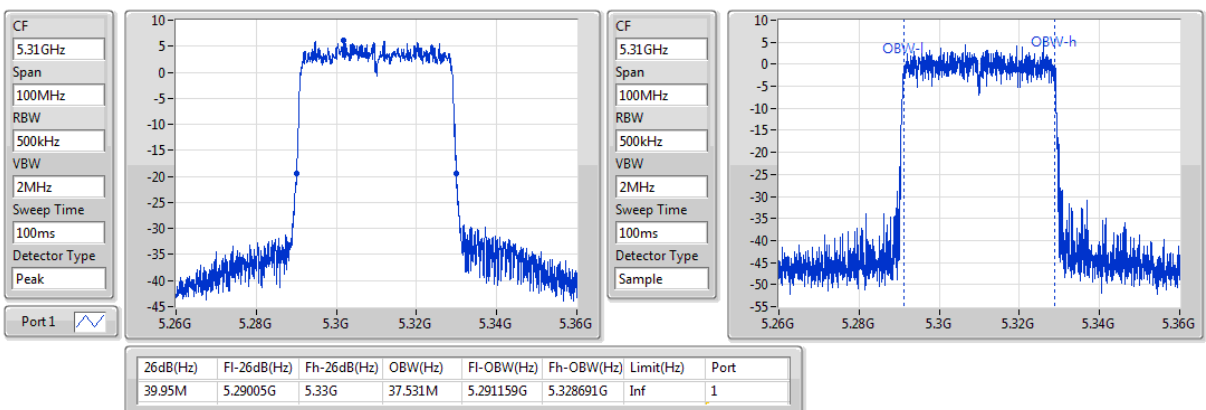


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

05/03/2019

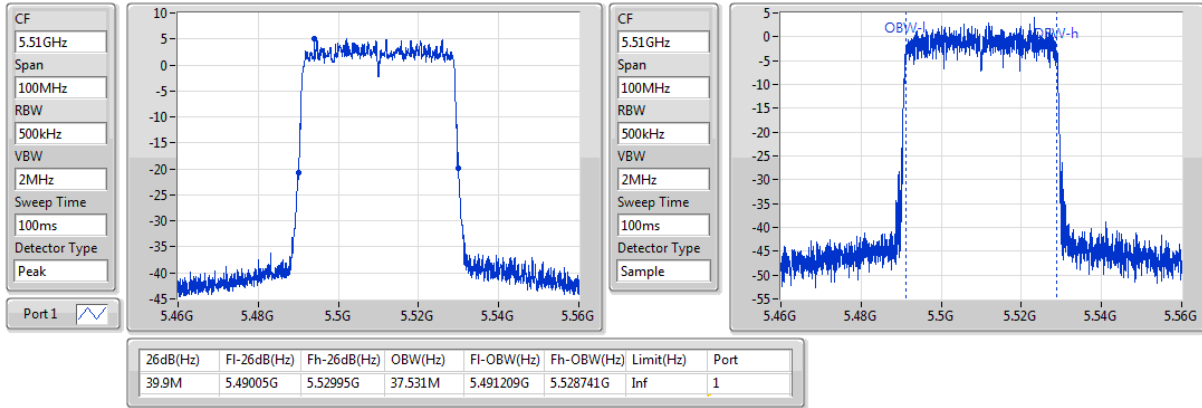


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

05/03/2019

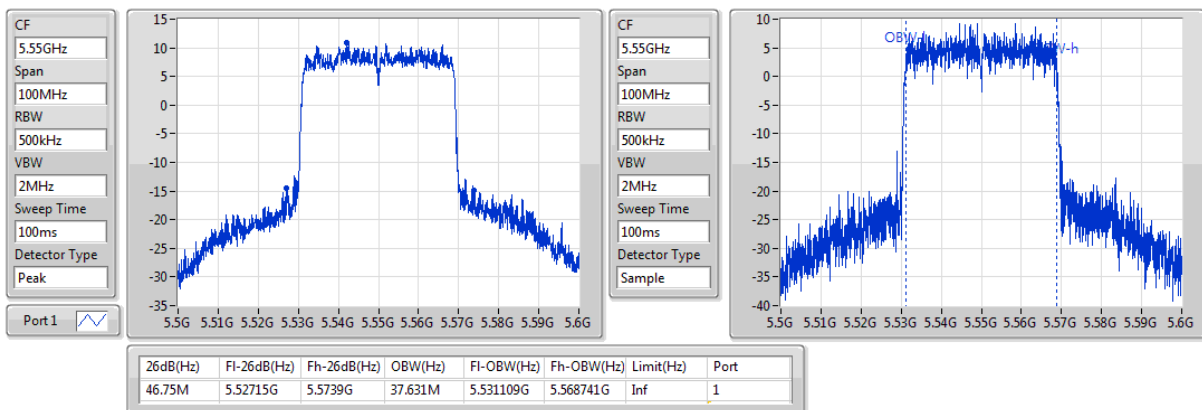


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

05/03/2019

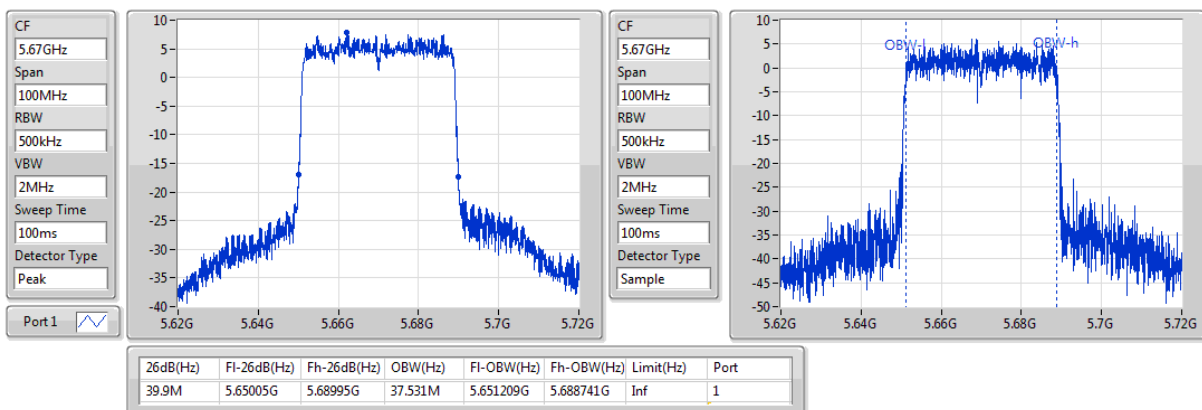


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

05/03/2019

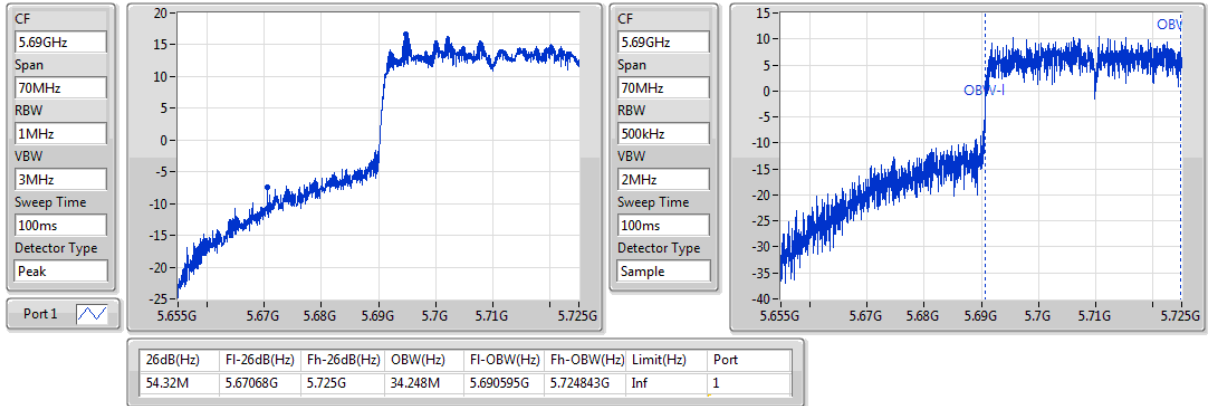


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/03/2019

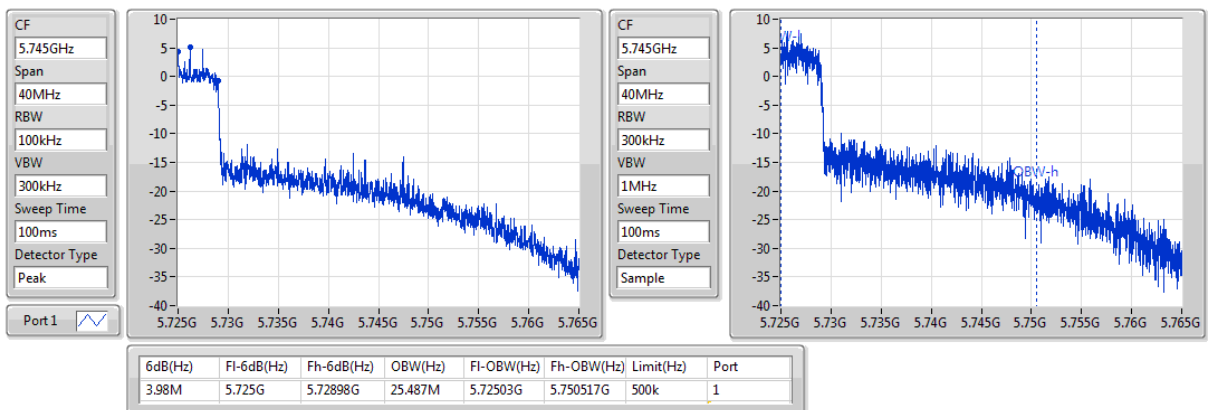


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/03/2019



802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

05/03/2019

