

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.5M	16.624M	16M6D1D	23.58M	16.528M
802.11ac VHT20_Nss1,(MCS0)_2TX	30.63M	17.871M	17M9D1D	23.55M	17.775M
802.11ac VHT40_Nss1,(MCS0)_2TX	80.1M	37.949M	37M9D1D	46.62M	36.27M
802.11ac VHT80_Nss1,(MCS0)_2TX	89.16M	75.898M	75M9D1D	88.68M	75.706M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	35.79M	17.727M	17M7D1D	21.698M	13.633M
802.11ac VHT20_Nss1,(MCS0)_2TX	37.68M	18.351M	18M4D1D	20.708M	14.059M
802.11ac VHT40_Nss1,(MCS0)_2TX	83.22M	38.333M	38M3D1D	44.7M	33.193M
802.11ac VHT80_Nss1,(MCS0)_2TX	161.16M	77.625M	77M6D1D	87.6M	72.902M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	9.535M	9M54D1D	3.105M	7.211M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.72M	8.426M	8M43D1D	3.72M	6.357M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.105M	21.619M	21M6D1D	3.105M	17.256M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.21M	24.888M	24M9D1D	3.195M	23.238M

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	25.17M	16.624M	24.21M	16.624M
5300MHz	Pass	Inf	23.58M	16.528M	23.94M	16.552M
5320MHz	Pass	Inf	24.18M	16.6M	25.5M	16.624M
5500MHz	Pass	Inf	34.11M	16.768M	25.62M	16.672M
5580MHz	Pass	Inf	34.35M	17.199M	25.29M	16.624M
5700MHz	Pass	Inf	35.79M	17.727M	27.03M	16.648M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.88M	14.76M	21.698M	13.633M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	9.535M	3.12M	7.211M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	28.74M	17.847M	28.5M	17.823M
5300MHz	Pass	Inf	23.55M	17.775M	28.32M	17.871M
5320MHz	Pass	Inf	24.21M	17.799M	30.63M	17.823M
5500MHz	Pass	Inf	28.47M	17.775M	27.3M	17.775M
5580MHz	Pass	Inf	37.68M	18.351M	26.4M	17.847M
5700MHz	Pass	Inf	28.68M	17.775M	25.17M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.633M	14.458M	20.708M	14.059M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	8.426M	3.72M	6.357M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	79.98M	37.277M	80.1M	37.949M
5310MHz	Pass	Inf	47.88M	36.318M	46.62M	36.27M
5510MHz	Pass	Inf	46.68M	36.318M	44.7M	36.27M
5550MHz	Pass	Inf	83.22M	38.333M	64.8M	36.558M
5670MHz	Pass	Inf	69.66M	36.462M	70.14M	36.558M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	56.835M	34.408M	49.275M	33.193M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	21.619M	3.105M	17.256M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	88.68M	75.898M	89.16M	75.706M
5530MHz	Pass	Inf	89.88M	76.09M	87.6M	75.706M
5610MHz	Pass	Inf	161.16M	77.625M	157.8M	77.049M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	91.524M	72.902M	90.344M	72.976M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	23.238M	3.195M	24.888M

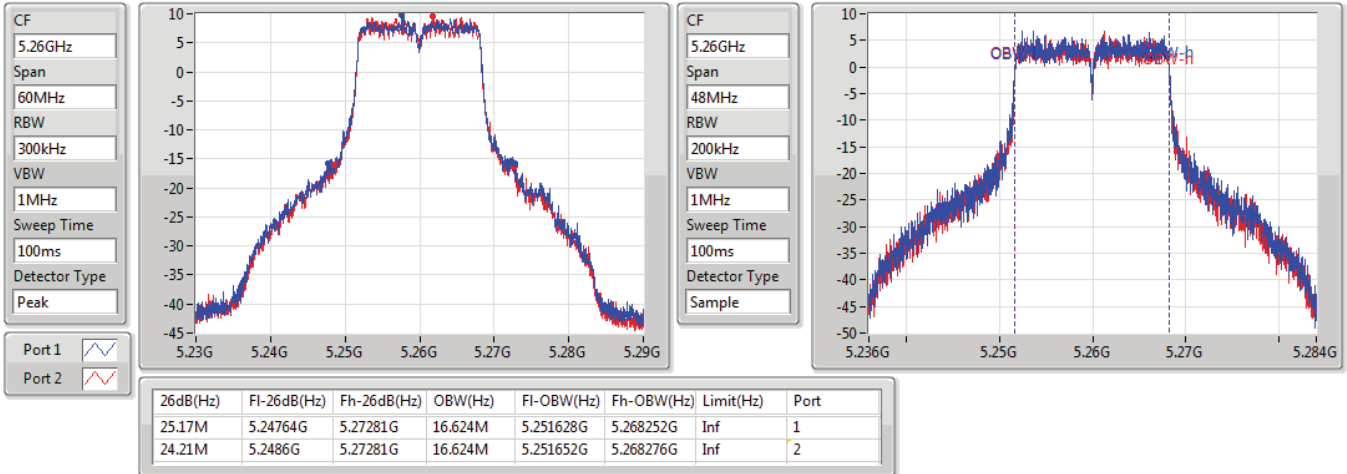
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

02/04/2020

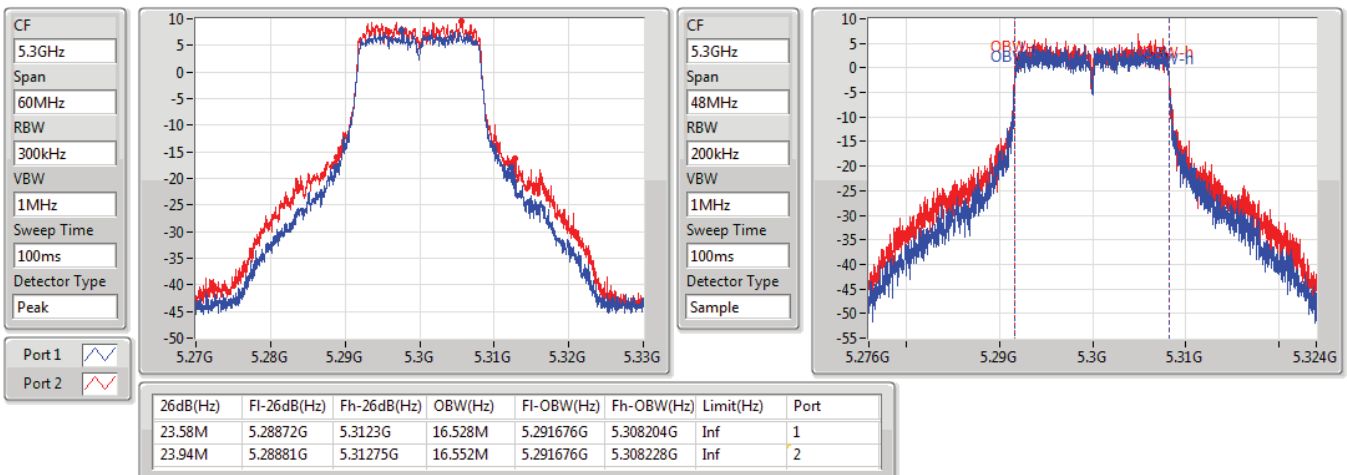


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

02/04/2020

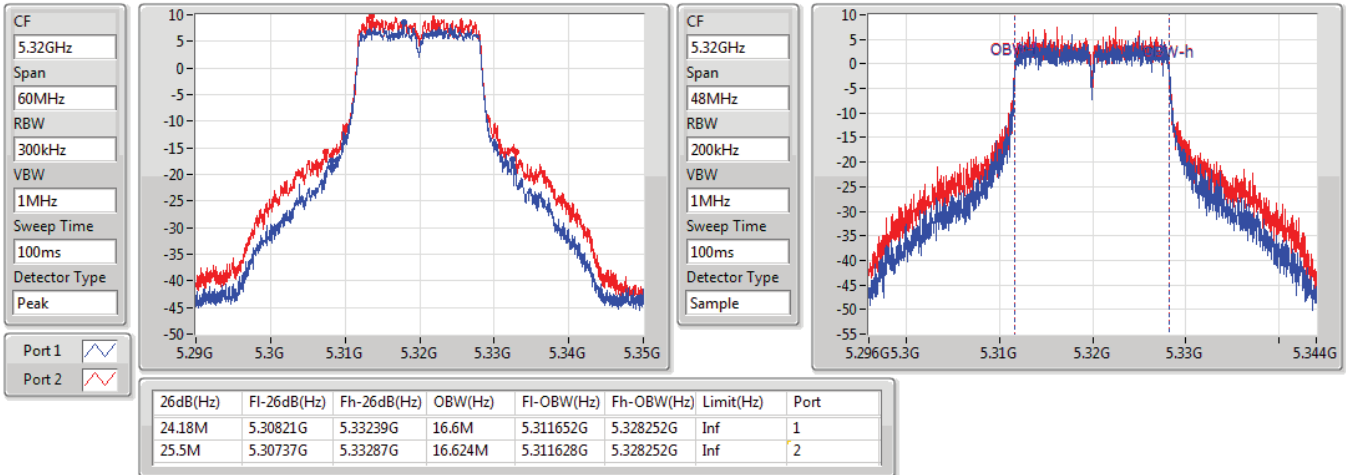


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

02/04/2020

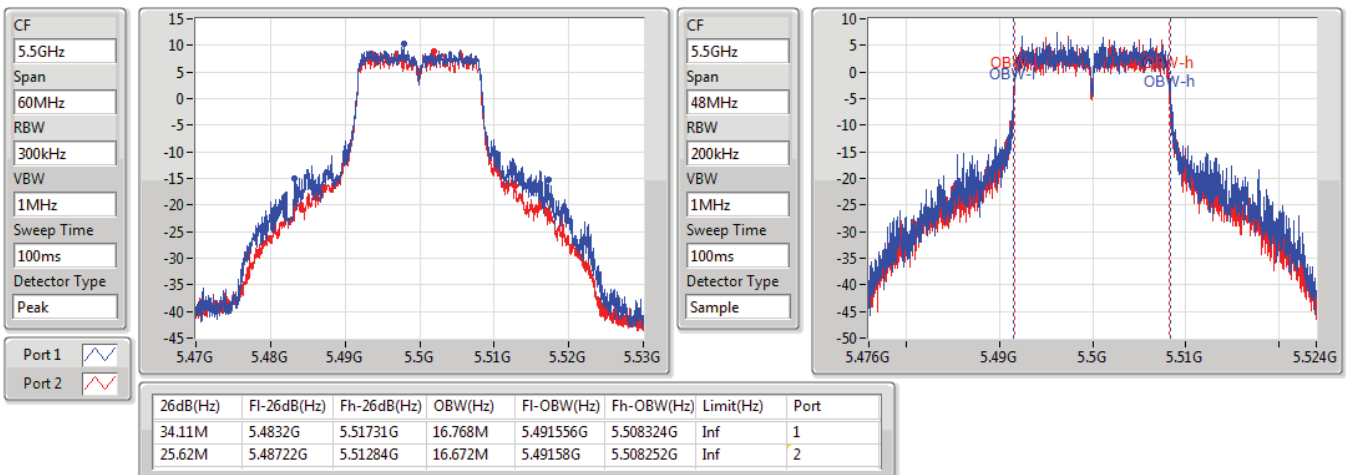


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

02/04/2020

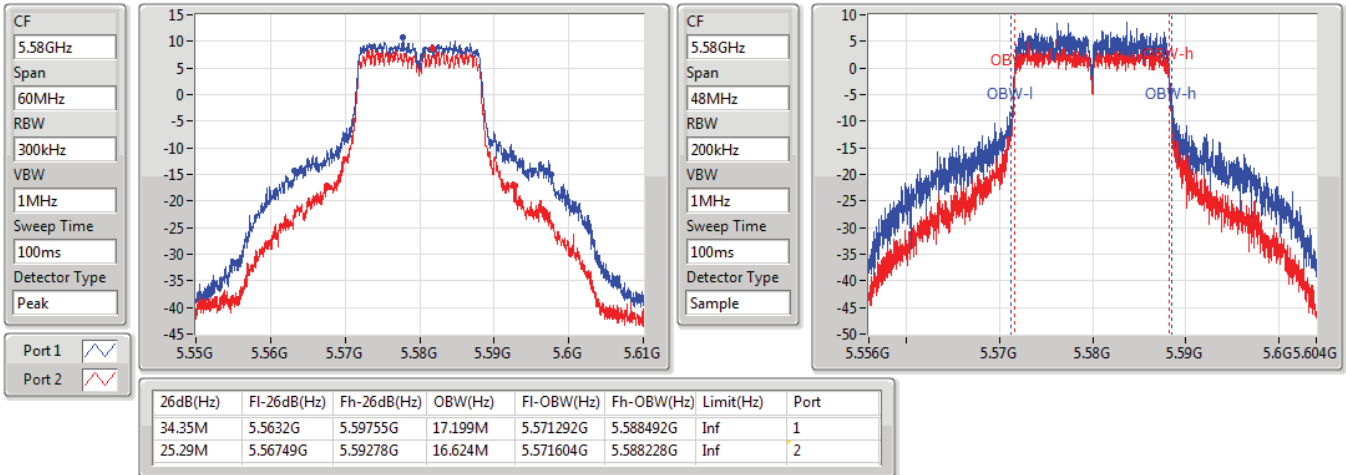


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

02/04/2020

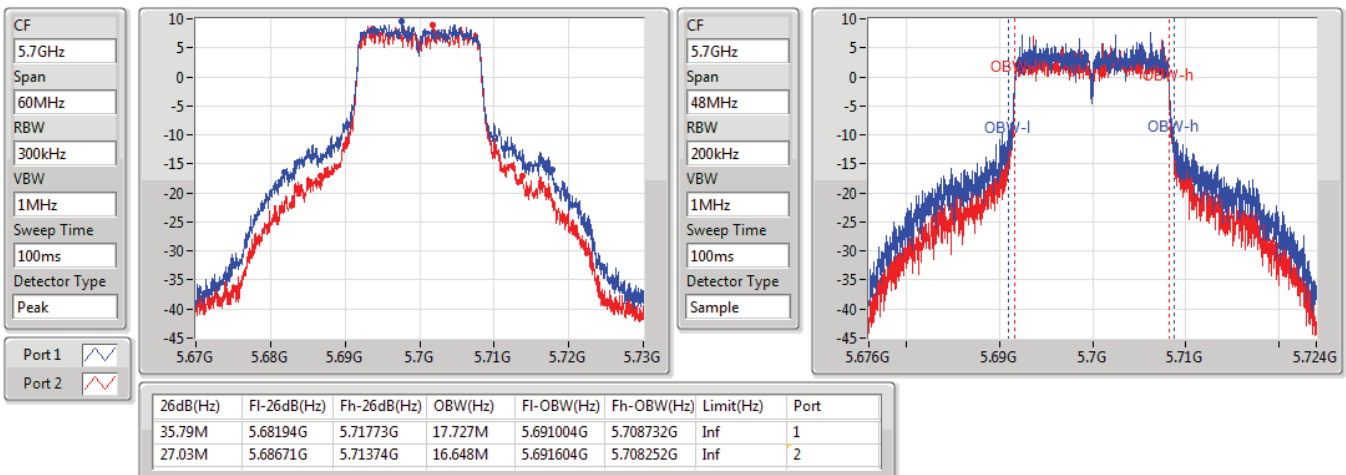


802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

02/04/2020

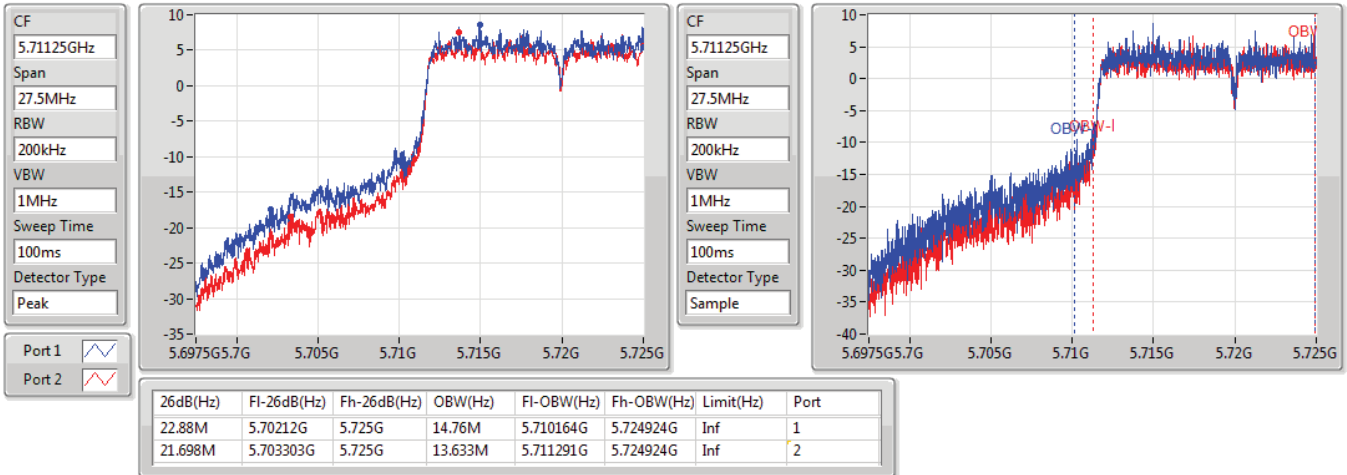


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/04/2020

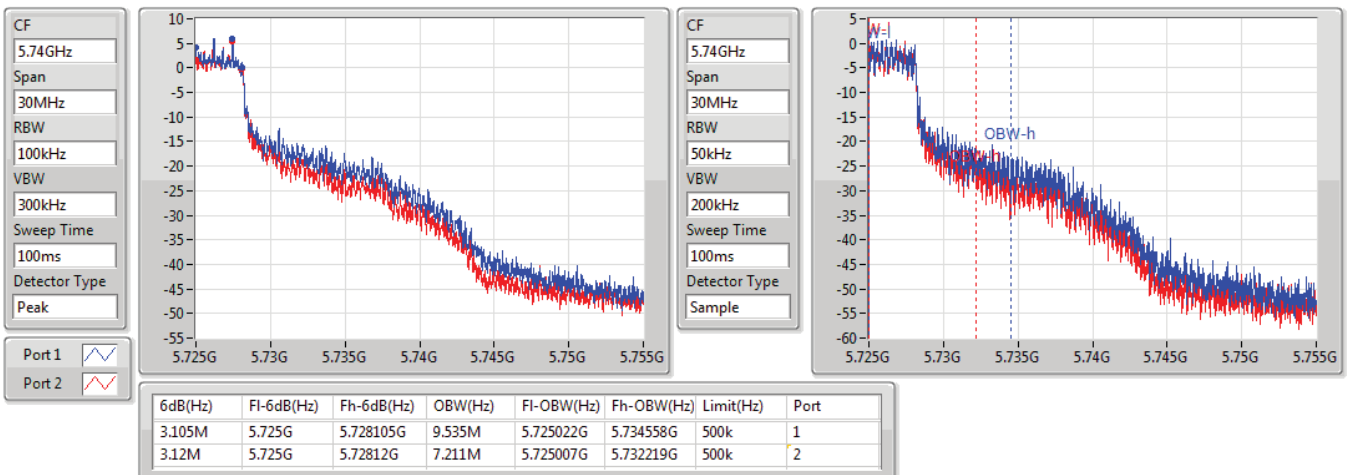


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/04/2020

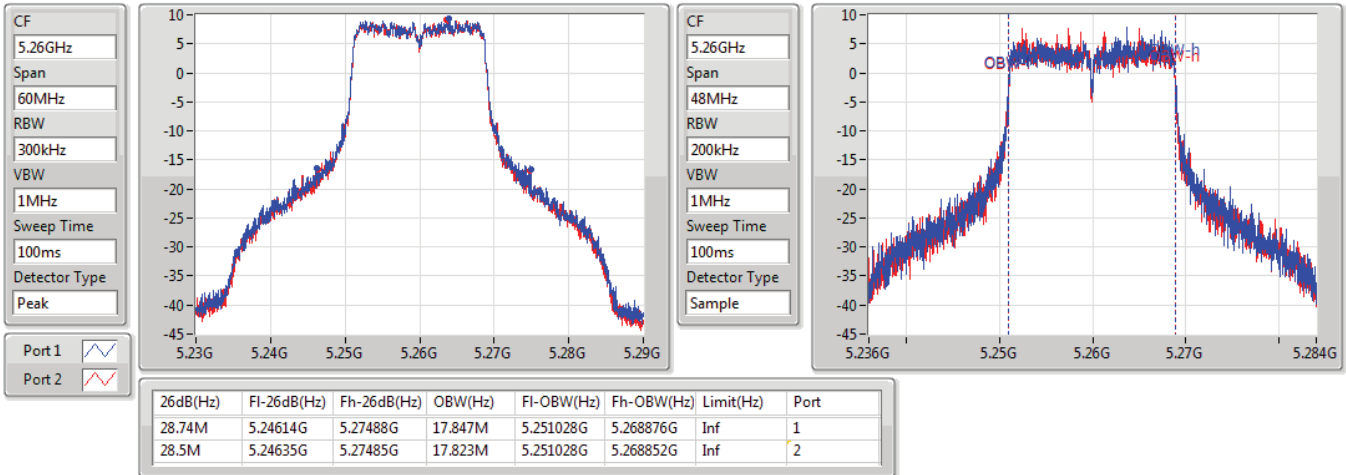


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

02/04/2020

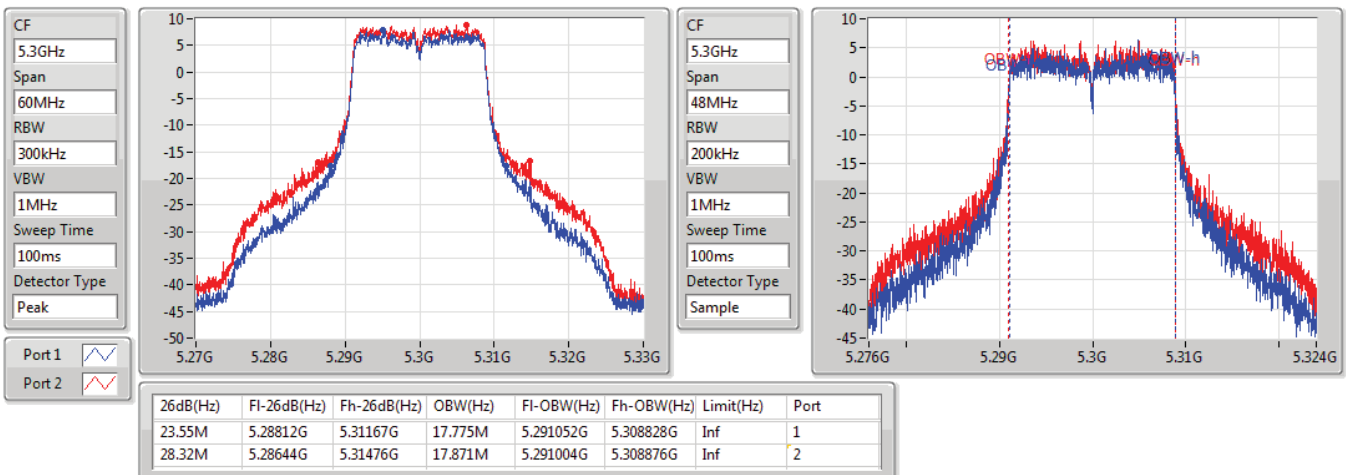


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

02/04/2020

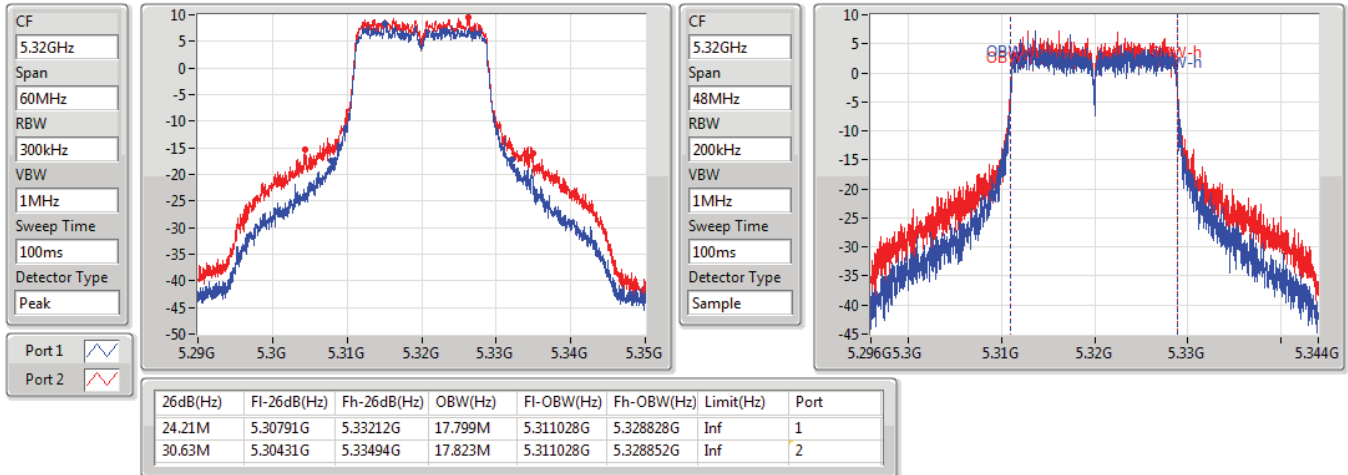


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

02/04/2020

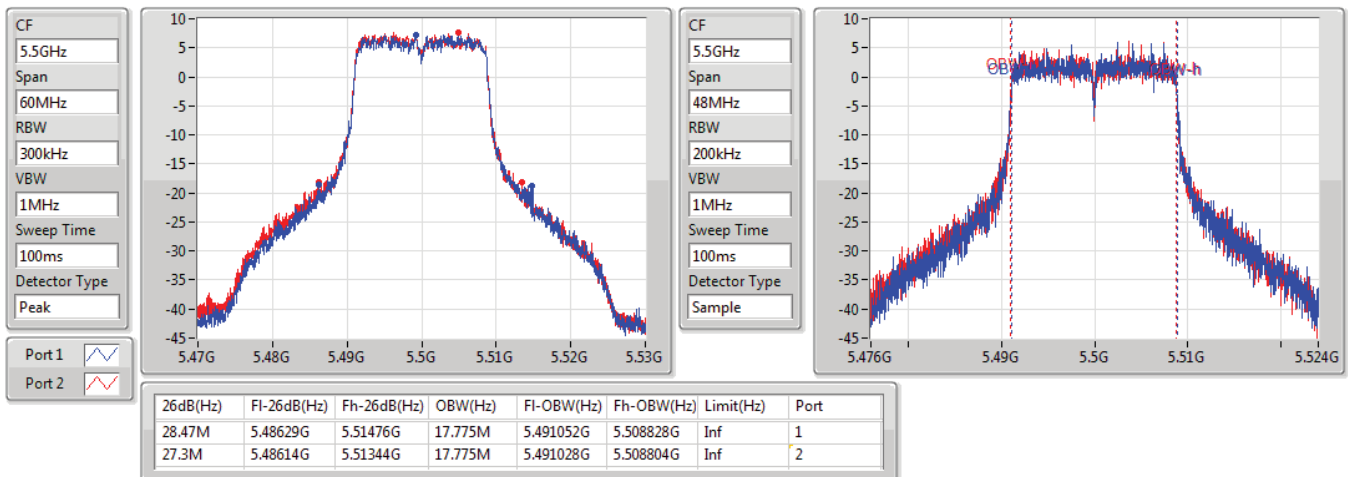


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

02/04/2020

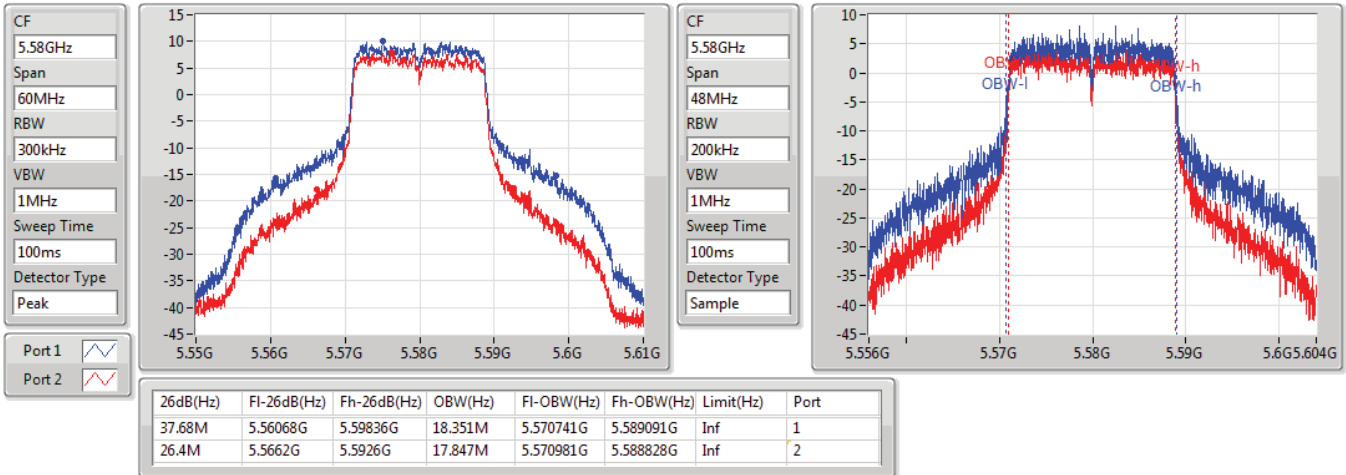


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

02/04/2020

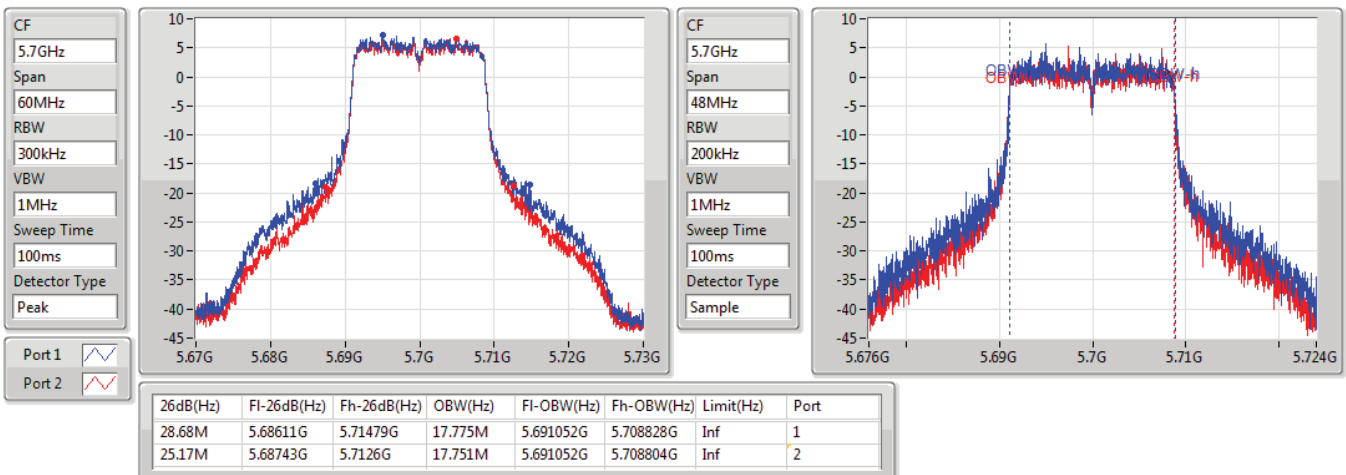


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

02/04/2020

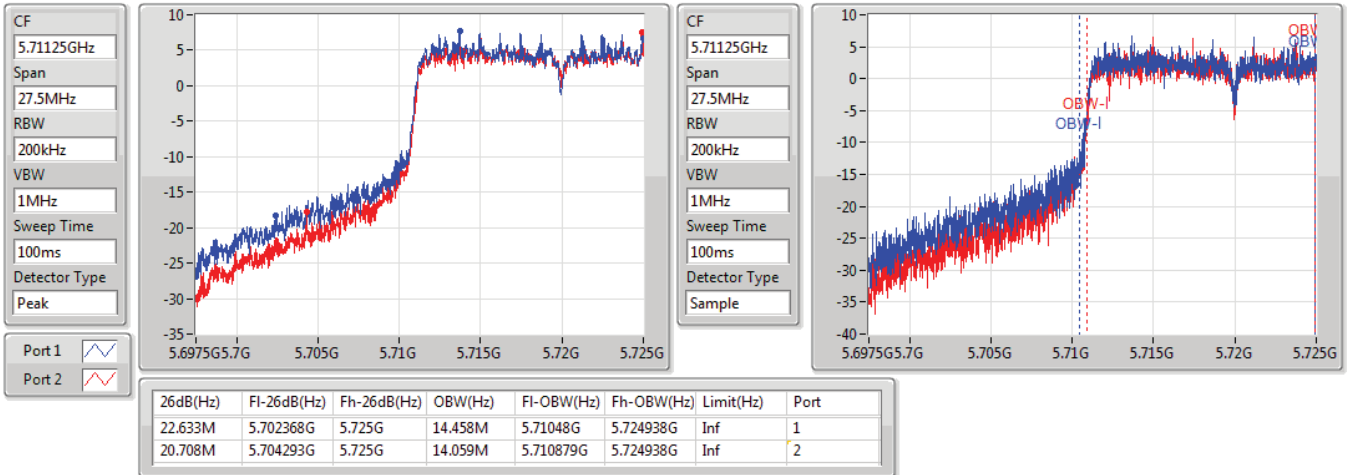


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/04/2020

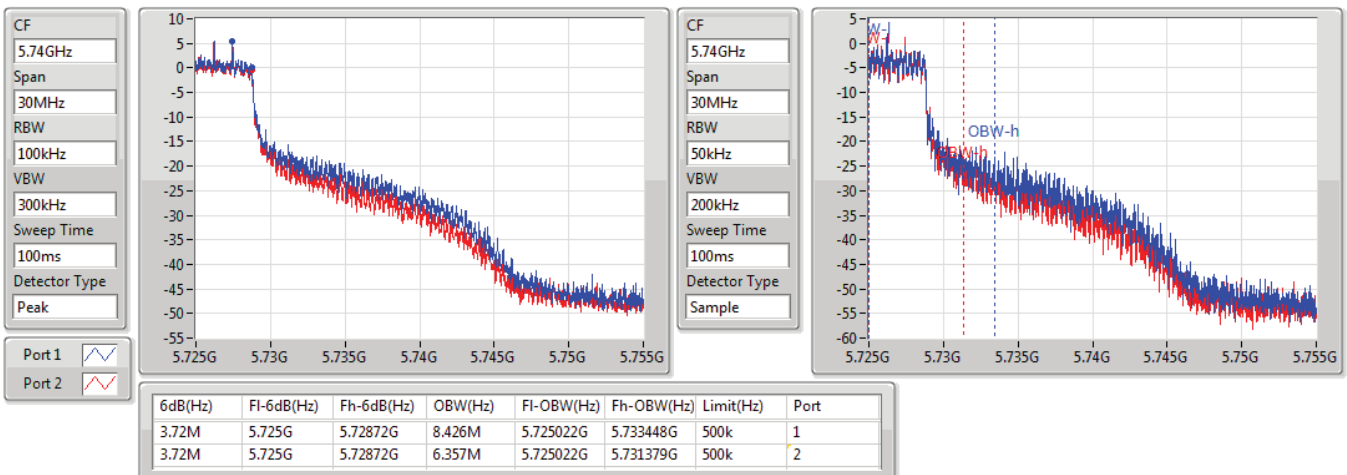


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/04/2020

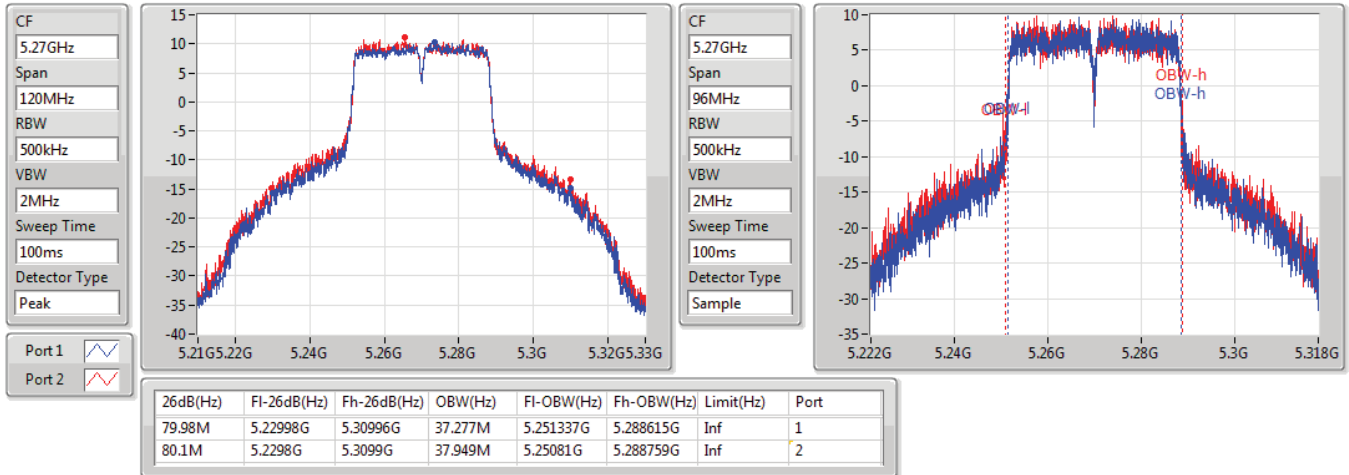


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

02/04/2020

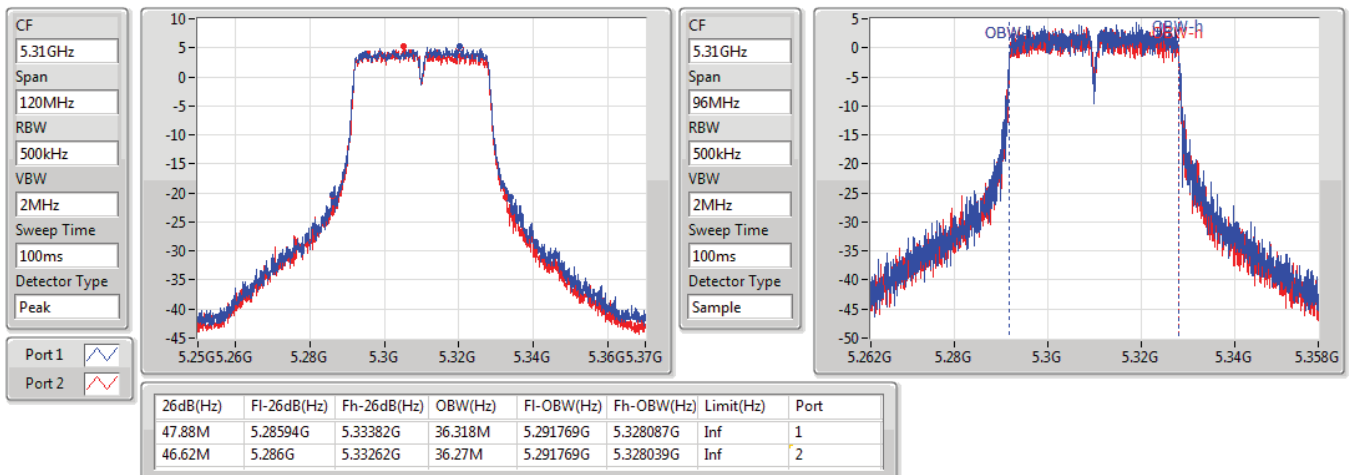


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

02/04/2020

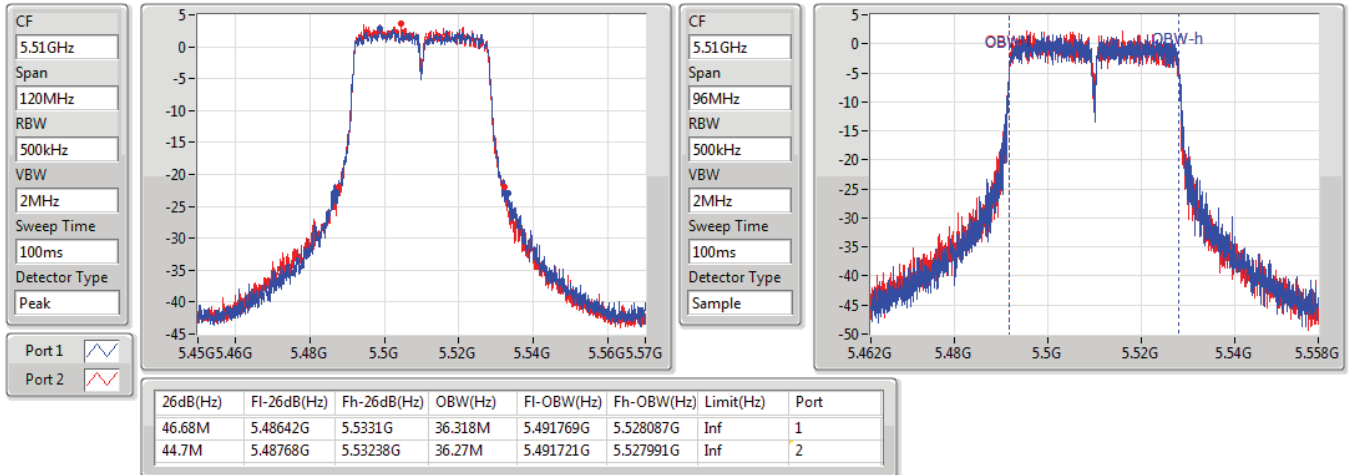


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

02/04/2020

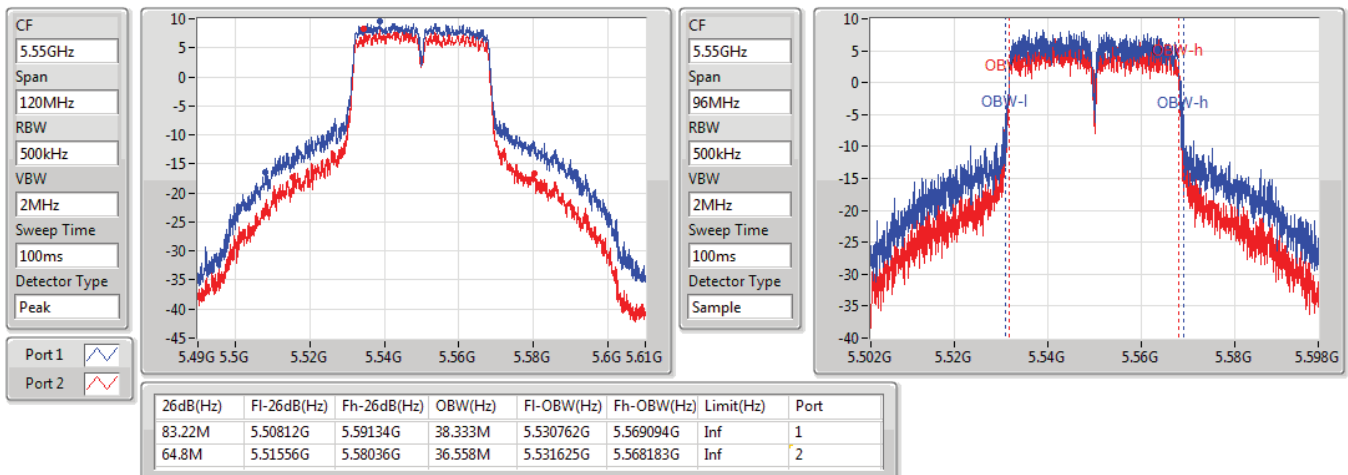


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

02/04/2020

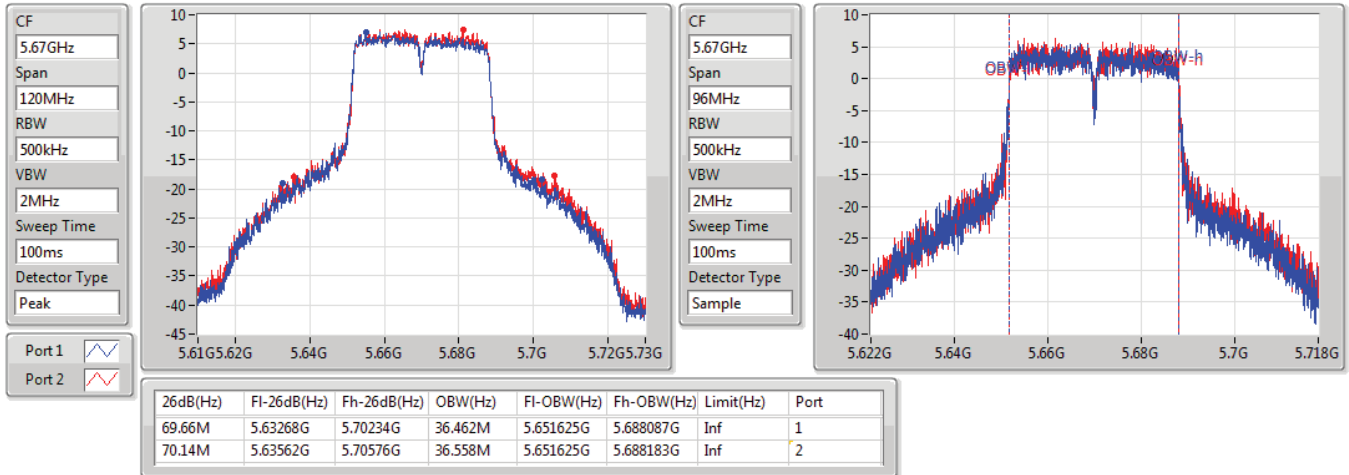


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

02/04/2020

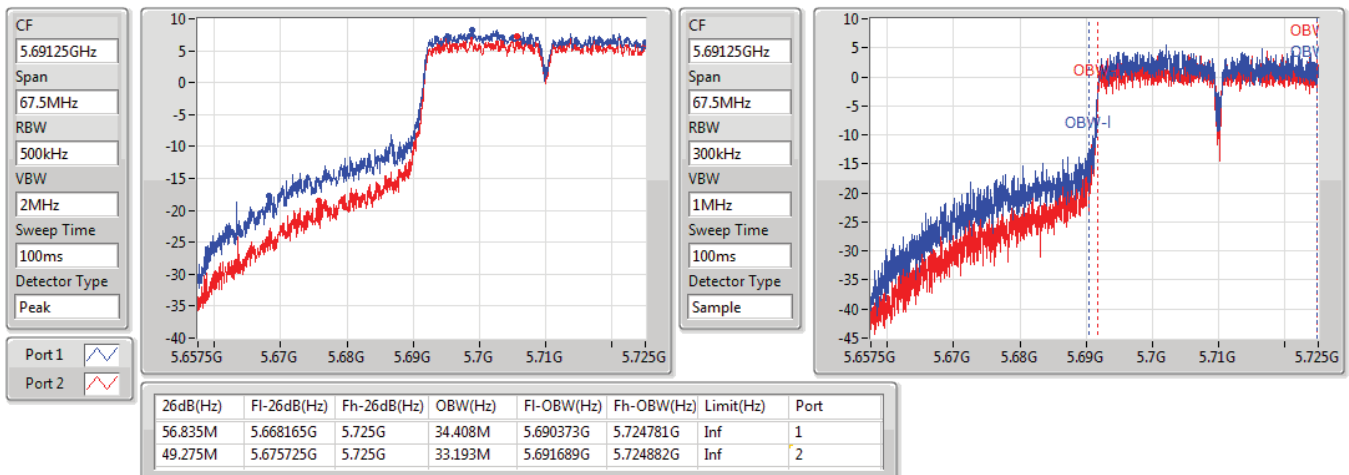


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

02/04/2020

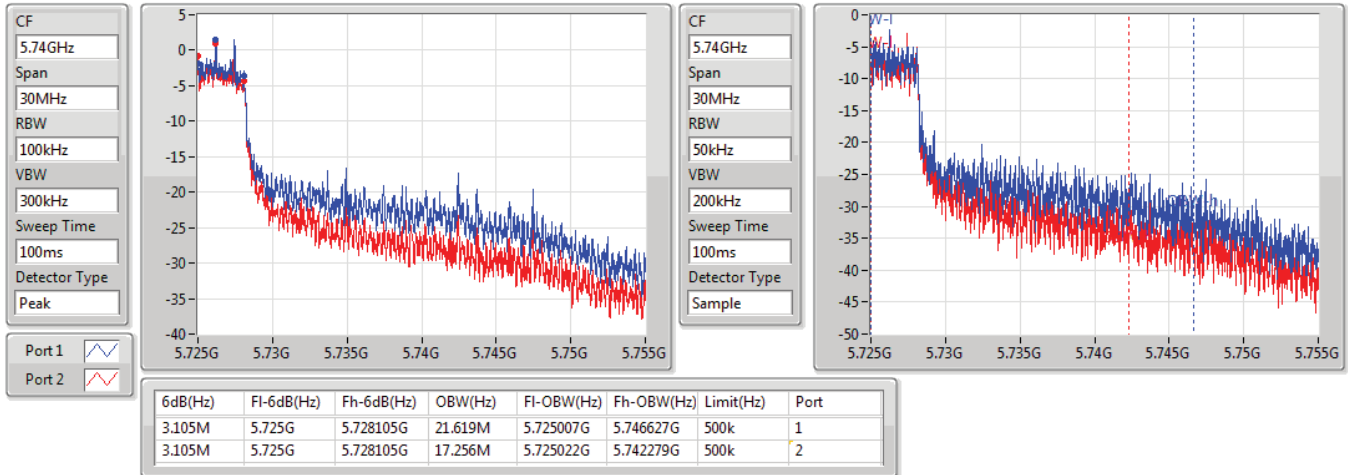


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

02/04/2020

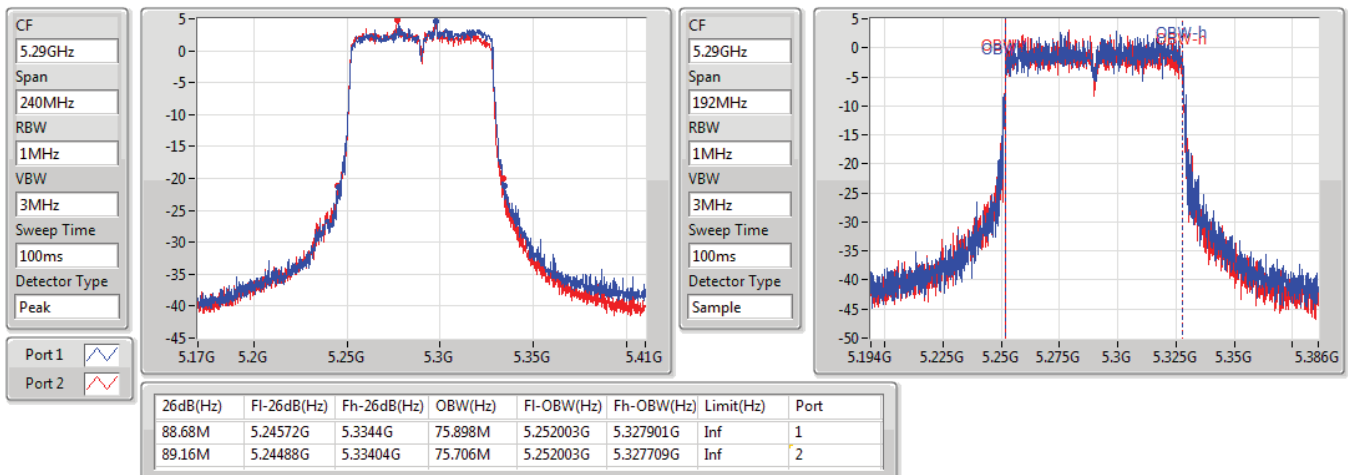


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

02/04/2020

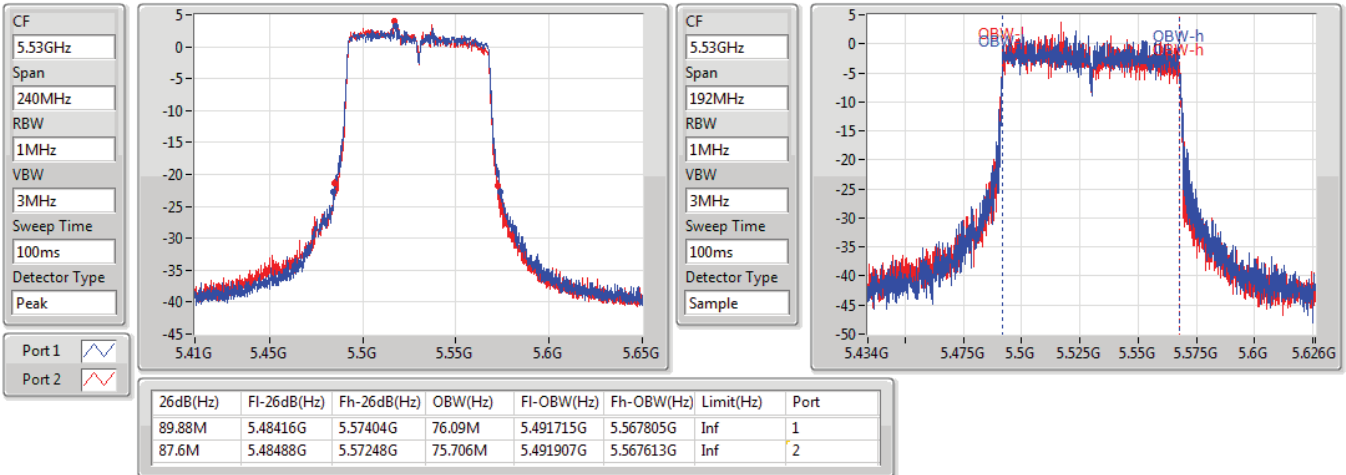


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

02/04/2020

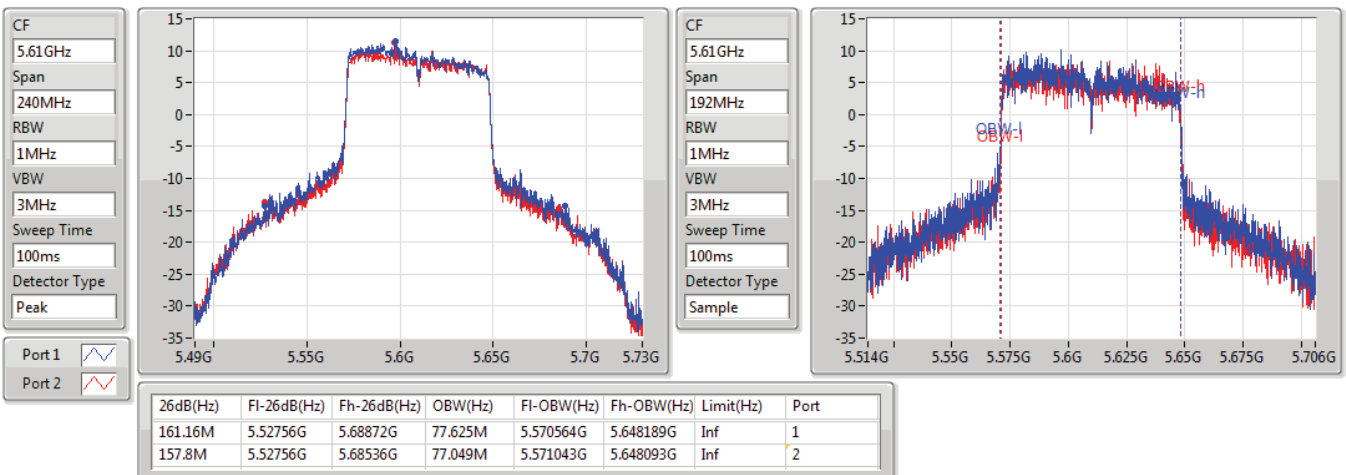


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

02/04/2020

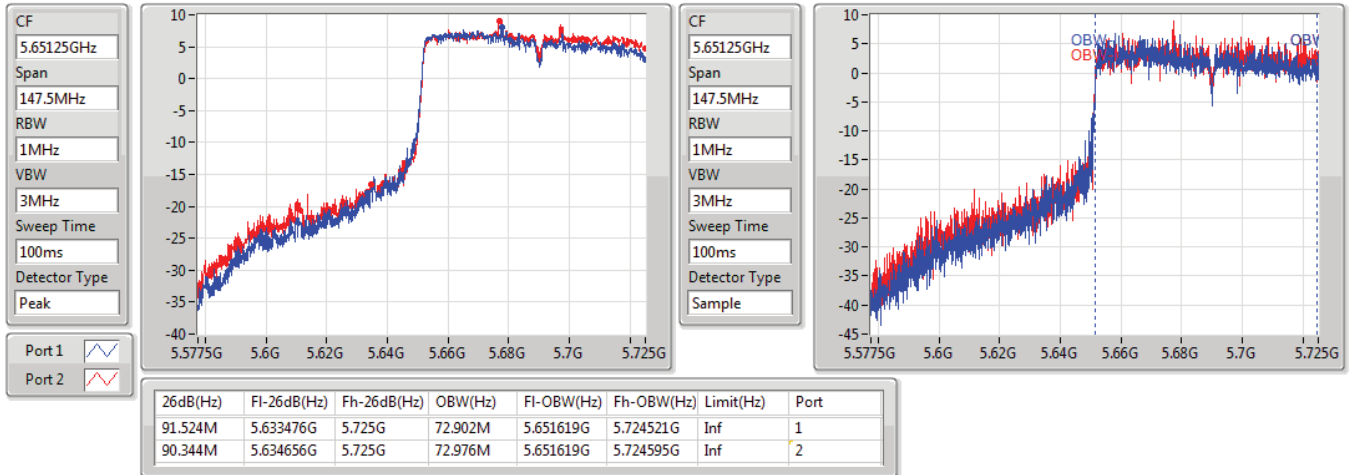


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

02/04/2020

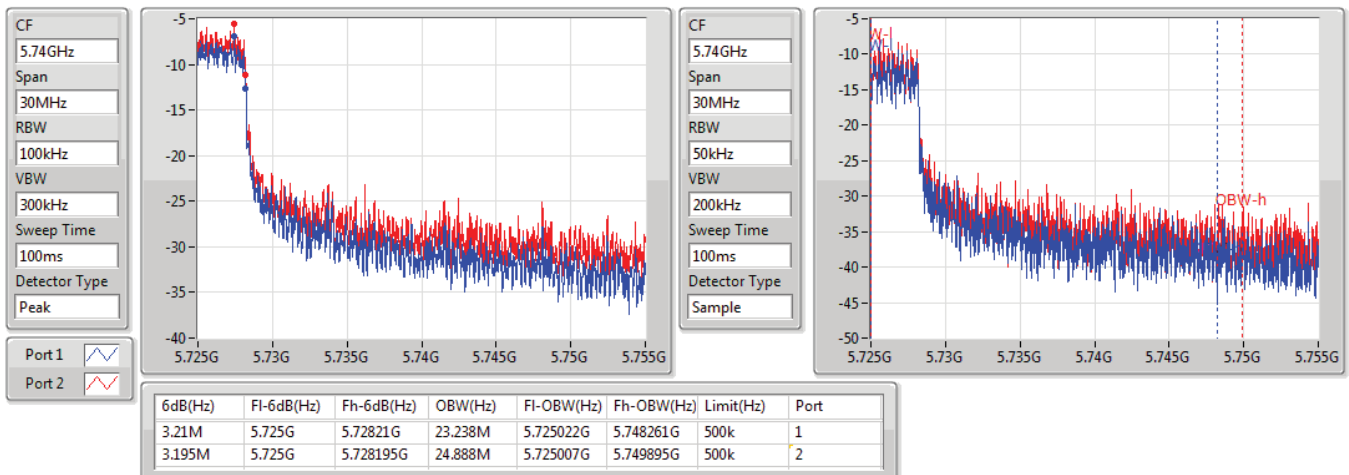


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

02/04/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX	156.72M	76.09M	76M1D1D	140.64M	75.61M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	82.56M	77.241M	77M2D1D	82.44M	77.145M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.74M	16.408M	16M4D1D	19.23M	16.36M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.88M	17.631M	17M6D1D	20.52M	17.559M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.62M	36.174M	36M2D1D	39.78M	36.03M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.8M	75.61M	75M6D1D	81.72M	75.322M
802.11ac VHT80+80_Nss1,(MCS0)_2TX	82.44M	75.61M	75M6D1D	82.32M	75.514M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.48M	18.975M	19M0D1D	20.97M	18.855M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.22M	37.757M	37M8D1D	40.74M	37.613M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.04M	77.337M	77M3D1D	81.84M	77.049M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	82.2M	77.241M	77M2D1D	82.08M	77.145M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.59M	16.408M	16M4D1D	14.328M	13.083M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.97M	17.655M	17M7D1D	15.015M	13.771M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.5M	36.078M	36M1D1D	35.033M	32.89M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.8M	75.418M	75M4D1D	75.668M	72.165M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	159.6M	109.577M	110M0D1D	83.04M	75.802M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.48M	18.927M	18M9D1D	15.455M	14.444M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.4M	37.757M	37M8D1D	35.505M	33.632M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.049M	77M0D1D	76.11M	72.829M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	155.52M	95.184M	95M2D1D	83.52M	77.721M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.15M	3.433M	3M43D1D	3.135M	3.343M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.75M	3.973M	3M97D1D	1.29M	3.883M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.135M	3.493M	3M49D1D	3.105M	3.433M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.135M	3.673M	3M67D1D	2.85M	3.493M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.47M	4.543M	4M54D1D	3.78M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.08M	4.108M	4M11D1D	3.975M	4.048M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.08M	4.123M	4M12D1D	4.065M	4.048M

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	19.35M	16.36M	19.26M	16.384M	19.38M	16.384M	19.29M	16.384M
5300MHz	Pass	Inf	19.47M	16.36M	19.38M	16.36M	19.32M	16.384M	19.44M	16.384M
5320MHz	Pass	Inf	19.74M	16.36M	19.5M	16.36M	19.59M	16.408M	19.23M	16.36M
5500MHz	Pass	Inf	19.59M	16.384M	19.35M	16.36M	19.5M	16.384M	19.29M	16.336M
5580MHz	Pass	Inf	19.35M	16.36M	19.44M	16.408M	19.44M	16.36M	19.11M	16.336M
5700MHz	Pass	Inf	19.32M	16.408M	19.5M	16.36M	19.38M	16.408M	19.2M	16.408M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.438M	13.18M	14.63M	13.18M	14.644M	13.207M	14.328M	13.083M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.403M	3.135M	3.343M	3.135M	3.388M	3.15M	3.433M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.79M	17.583M	20.73M	17.583M	20.73M	17.631M	20.61M	17.583M
5300MHz	Pass	Inf	20.73M	17.559M	20.7M	17.607M	20.88M	17.631M	20.52M	17.583M
5320MHz	Pass	Inf	20.82M	17.607M	20.55M	17.583M	20.73M	17.583M	20.76M	17.607M
5500MHz	Pass	Inf	20.76M	17.631M	20.55M	17.583M	20.82M	17.631M	20.7M	17.631M
5580MHz	Pass	Inf	20.97M	17.655M	20.88M	17.607M	20.82M	17.607M	20.49M	17.583M
5700MHz	Pass	Inf	20.76M	17.655M	20.34M	17.559M	20.82M	17.583M	20.37M	17.607M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.771M	15.139M	13.784M	15.07M	13.798M	15.483M	13.812M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	3.898M	3.75M	3.883M	3.75M	3.898M	1.29M	3.973M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.26M	36.03M	40.5M	36.078M	40.62M	36.126M	40.14M	36.174M
5310MHz	Pass	Inf	40.44M	36.126M	40.26M	36.078M	39.9M	36.03M	39.78M	36.03M
5510MHz	Pass	Inf	40.5M	36.03M	40.44M	36.078M	40.5M	36.078M	39.6M	35.934M
5550MHz	Pass	Inf	40.44M	36.03M	40.32M	36.078M	40.38M	36.03M	39.78M	35.934M
5670MHz	Pass	Inf	40.5M	36.078M	40.26M	36.03M	40.26M	36.03M	39.84M	35.934M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.404M	32.924M	35.168M	32.957M	35.336M	32.89M	35.033M	32.89M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.433M	3.135M	3.448M	3.105M	3.463M	3.135M	3.493M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	75.322M	81.72M	75.418M	82.8M	75.418M	81.72M	75.61M
5530MHz	Pass	Inf	82.2M	75.322M	80.88M	75.418M	81.96M	75.418M	81.24M	75.13M
5610MHz	Pass	Inf	82.8M	75.418M	81.36M	75.322M	81.96M	75.322M	80.88M	74.939M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.815M	72.386M	75.668M	72.313M	75.889M	72.165M	75.889M	72.313M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.85M	3.538M	3.105M	3.493M	3.105M	3.523M	3.135M	3.673M
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	156.72M	76.09M	140.64M	75.61M				
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.32M	75.514M	82.44M	75.61M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	84.24M	75.802M	83.04M	75.994M	132.96M	76.186M	159.6M	109.577M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.3M	18.855M	21.36M	18.879M	21.48M	18.927M	21.21M	18.927M
5300MHz	Pass	Inf	21.39M	18.951M	21.12M	18.903M	21.12M	18.927M	20.97M	18.927M
5320MHz	Pass	Inf	21.48M	18.927M	21.33M	18.903M	21.3M	18.879M	21.06M	18.975M
5500MHz	Pass	Inf	21.12M	18.903M	21.48M	18.903M	21.03M	18.855M	21.21M	18.903M
5580MHz	Pass	Inf	21.3M	18.903M	21.3M	18.879M	21.18M	18.903M	20.91M	18.783M



EBW_Non-Beamforming_Outdoor_Sample 4_Radio 1

Appendix A.7

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)
5700MHz	Pass	Inf	20.97M	18.903M	20.91M	18.903M	21.15M	18.903M	21.21M	18.927M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.854M	14.472M	15.551M	14.444M	15.496M	14.458M	15.455M	14.458M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.455M	4.513M	4.44M	4.513M	4.47M	4.543M	3.78M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.16M	37.709M	40.74M	37.661M	40.92M	37.757M	40.8M	37.757M
5310MHz	Pass	Inf	41.22M	37.613M	40.92M	37.757M	41.22M	37.757M	40.92M	37.757M
5510MHz	Pass	Inf	40.68M	37.661M	41.04M	37.661M	40.8M	37.709M	40.5M	37.565M
5550MHz	Pass	Inf	40.74M	37.661M	41.22M	37.709M	40.98M	37.709M	40.2M	37.565M
5670MHz	Pass	Inf	41.4M	37.757M	40.68M	37.661M	40.74M	37.709M	40.56M	37.613M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.539M	33.733M	35.539M	33.733M	35.573M	33.699M	35.505M	33.632M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.975M	4.063M	4.08M	4.048M	4.005M	4.048M	4.08M	4.108M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.84M	77.145M	82.08M	77.145M	81.96M	77.049M	83.04M	77.337M
5530MHz	Pass	Inf	82.2M	76.954M	81.96M	77.049M	82.32M	76.858M	81.72M	76.762M
5610MHz	Pass	Inf	82.2M	77.049M	82.56M	77.049M	81.96M	76.954M	81.84M	76.474M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.11M	73.123M	76.11M	73.123M	76.848M	73.123M	76.11M	72.829M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	4.078M	4.065M	4.063M	4.08M	4.048M	4.065M	4.123M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.56M	77.241M	82.44M	77.145M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.08M	77.145M	82.2M	77.241M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	155.52M	77.913M	84M	77.721M	83.52M	77.721M	150.72M	95.184M

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

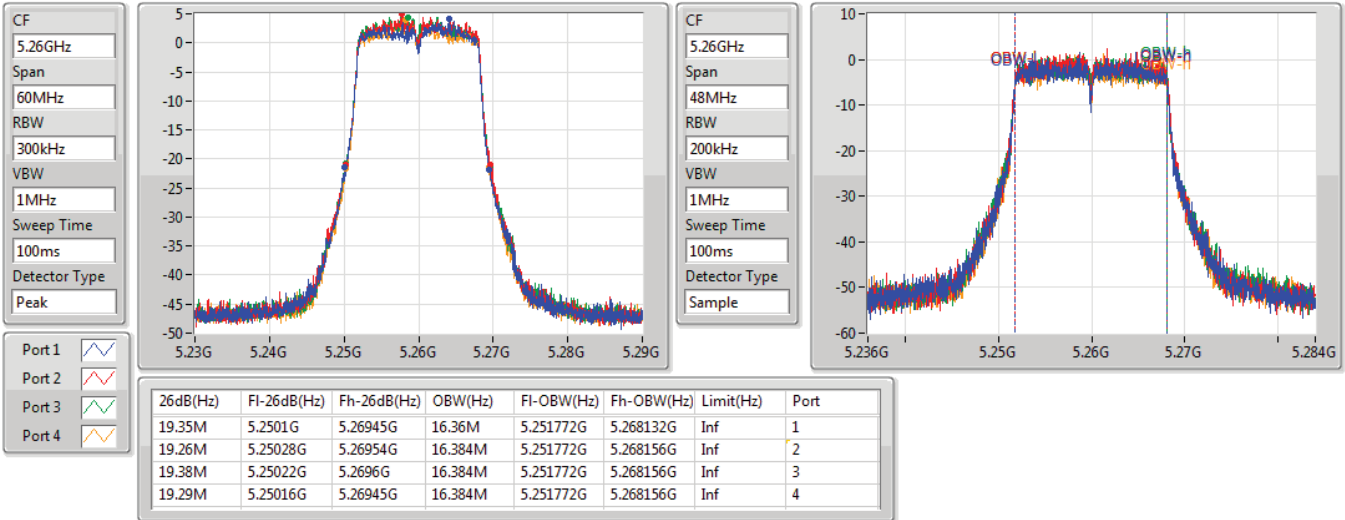
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

05/04/2020

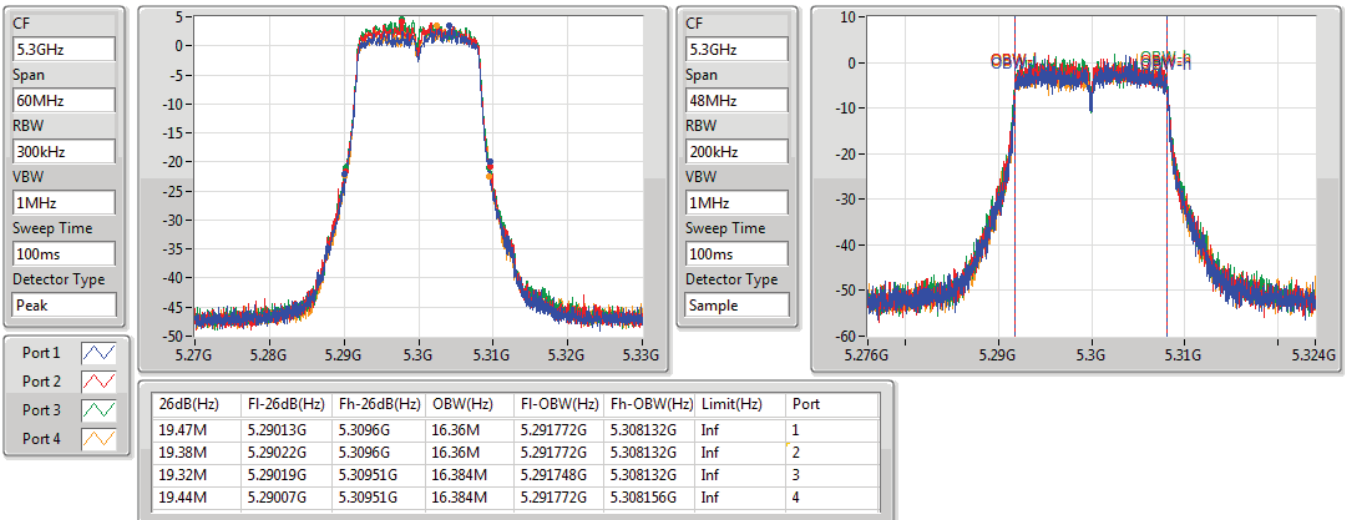


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

05/04/2020

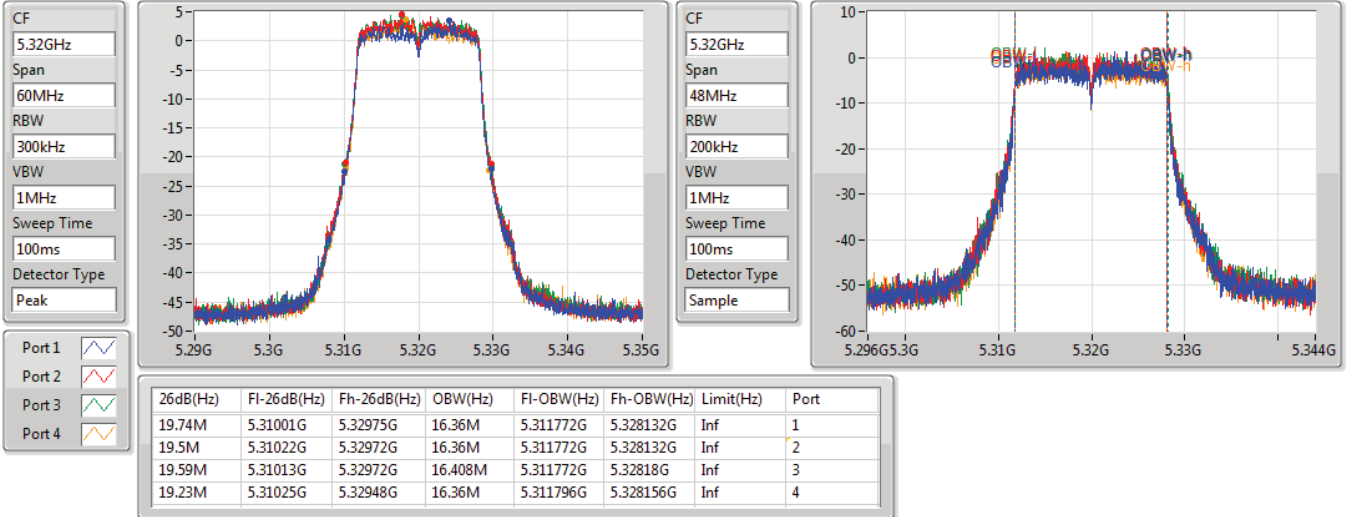


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

05/04/2020

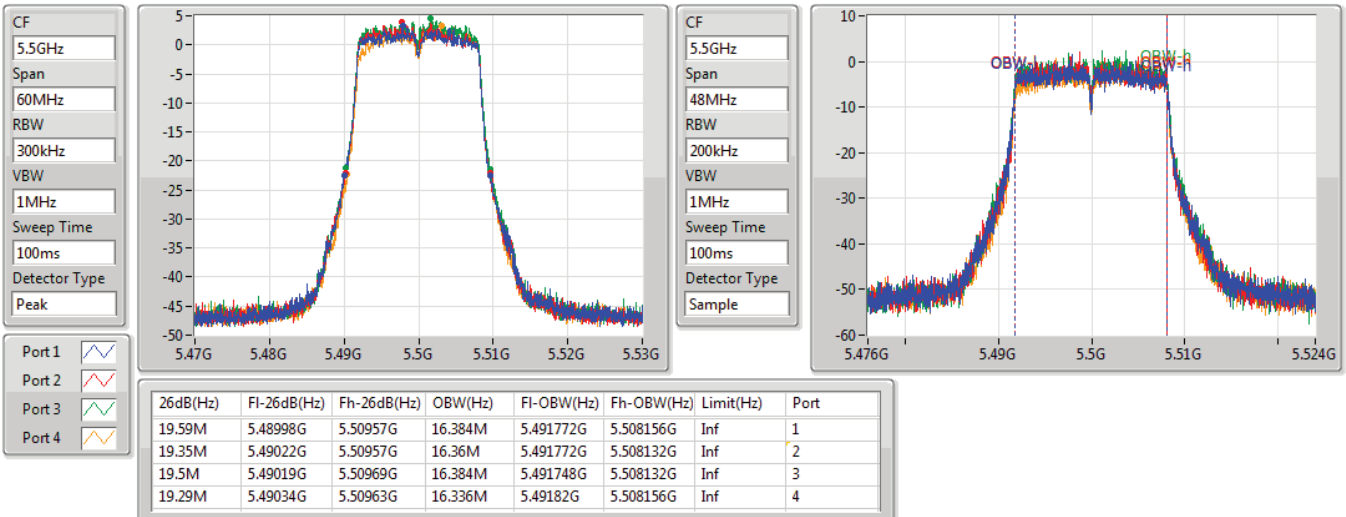


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

05/04/2020

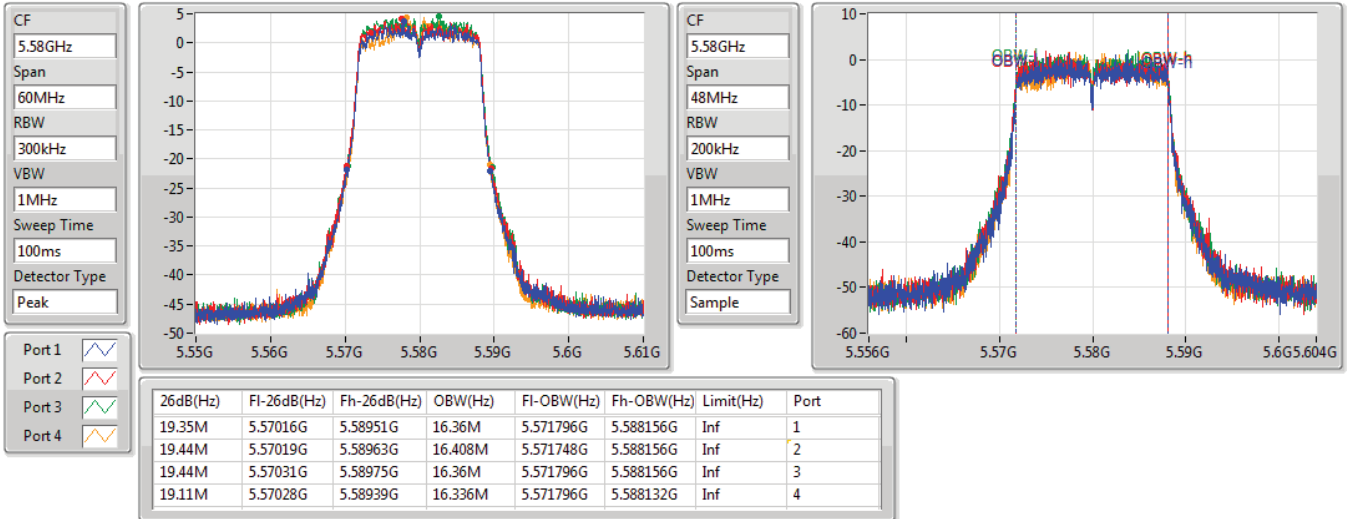


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

05/04/2020

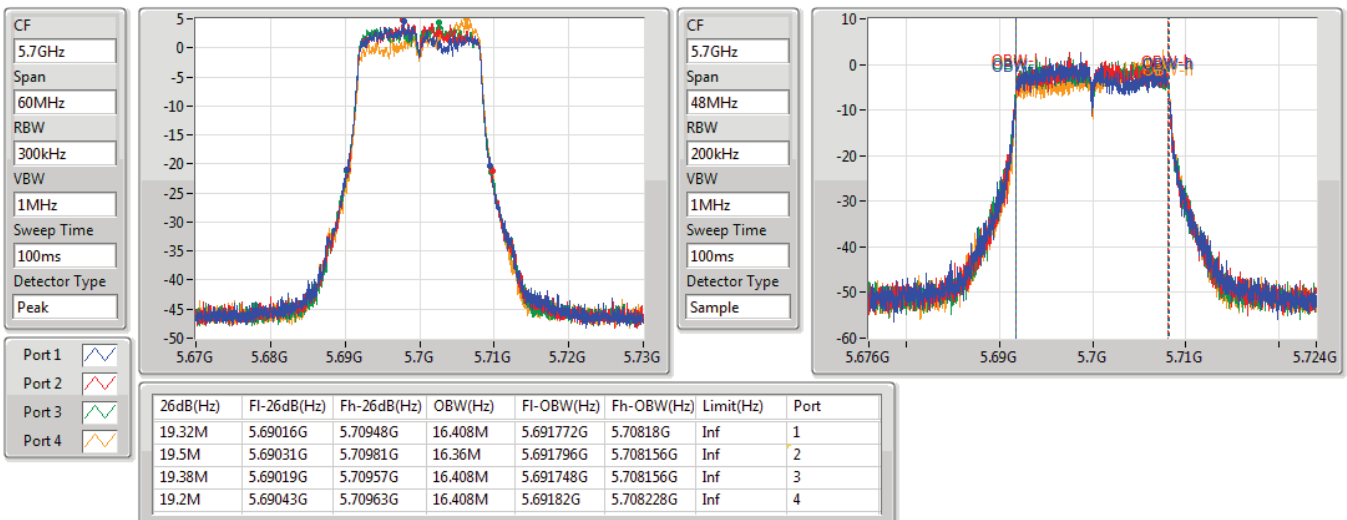


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

05/04/2020

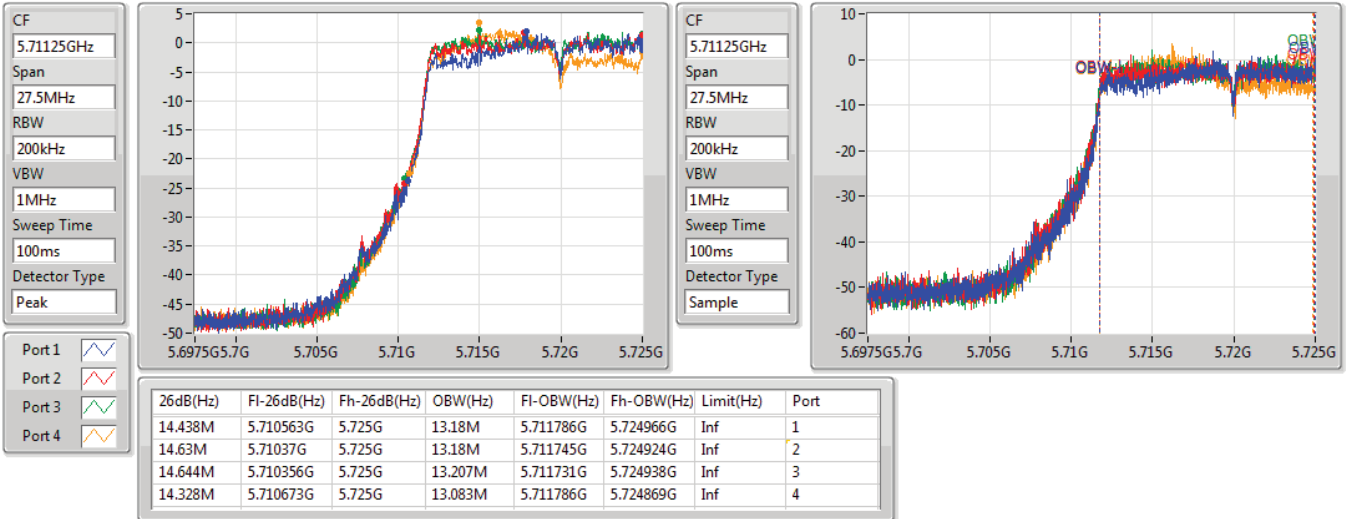


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/04/2020

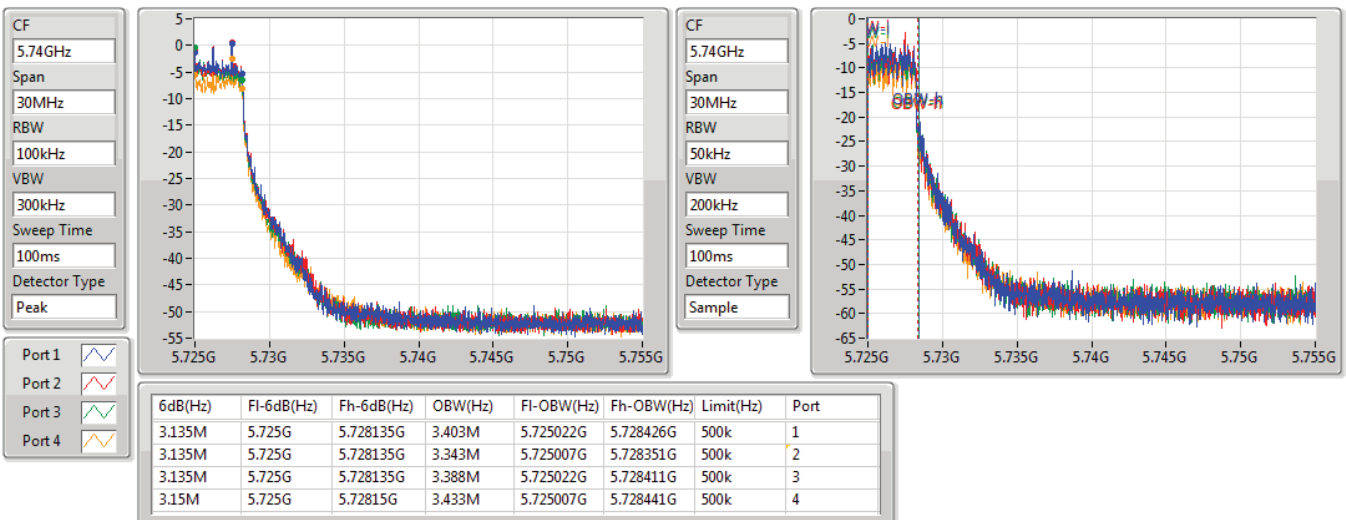


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/04/2020

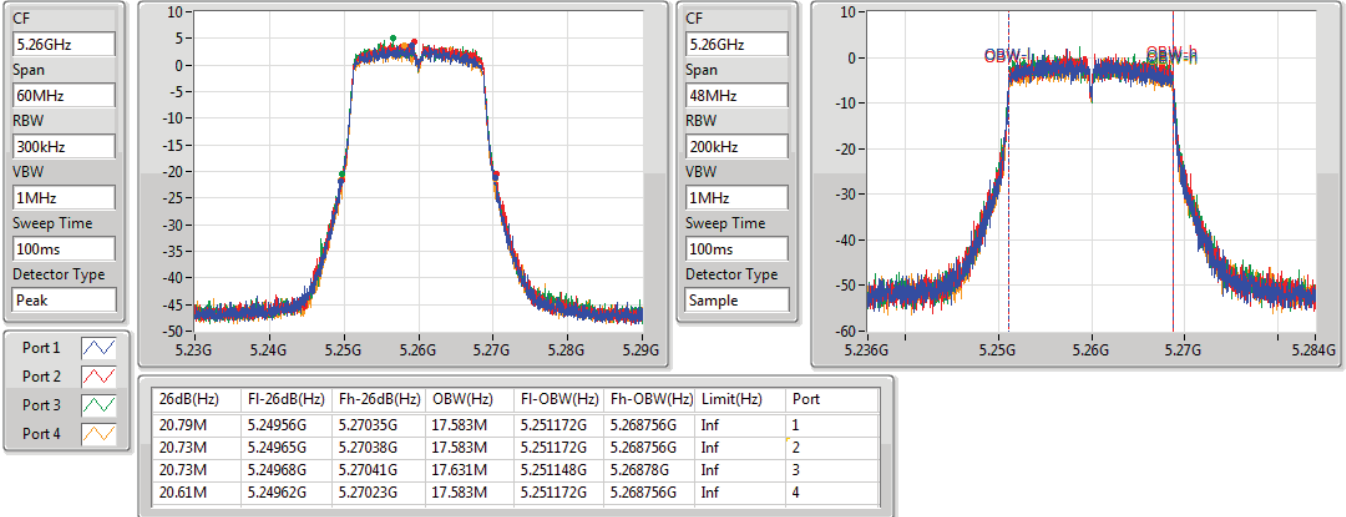


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5260MHz

05/04/2020

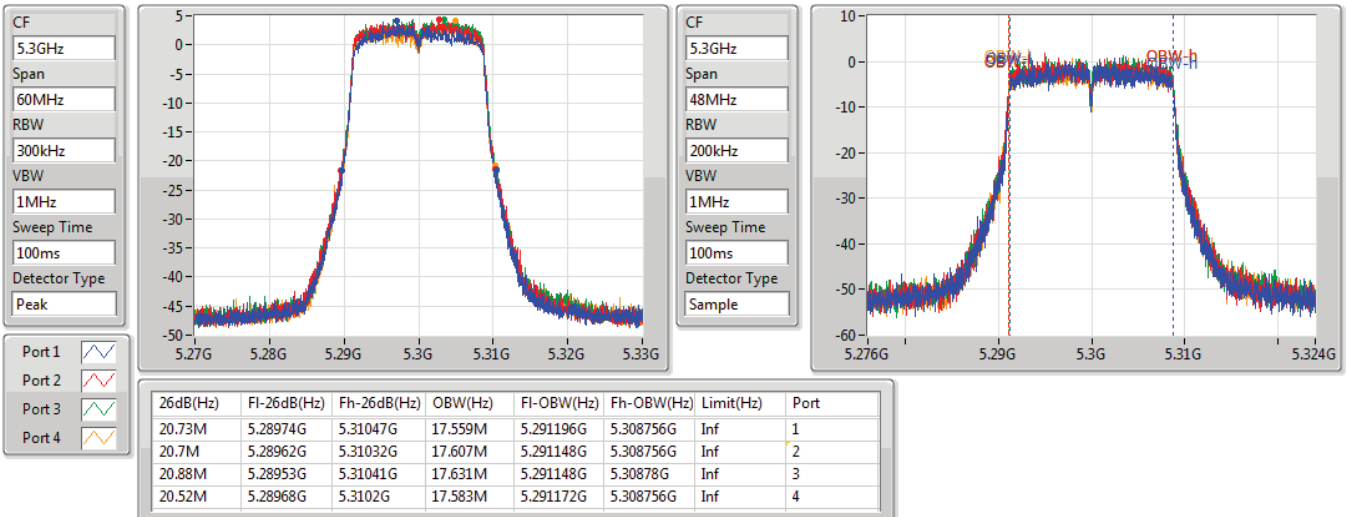


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

05/04/2020

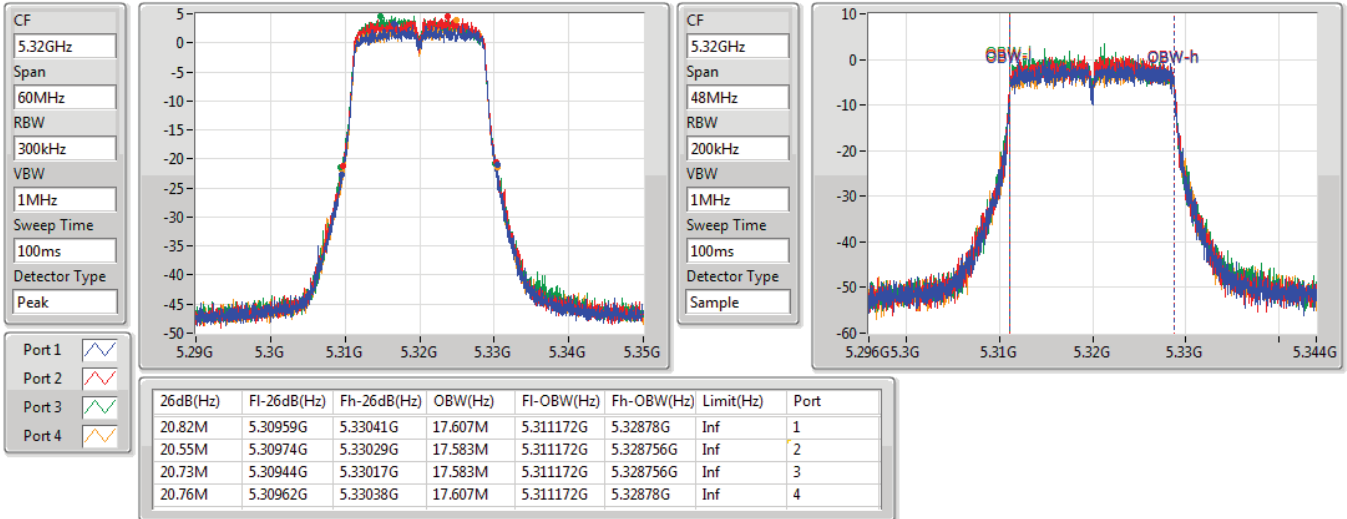


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

05/04/2020

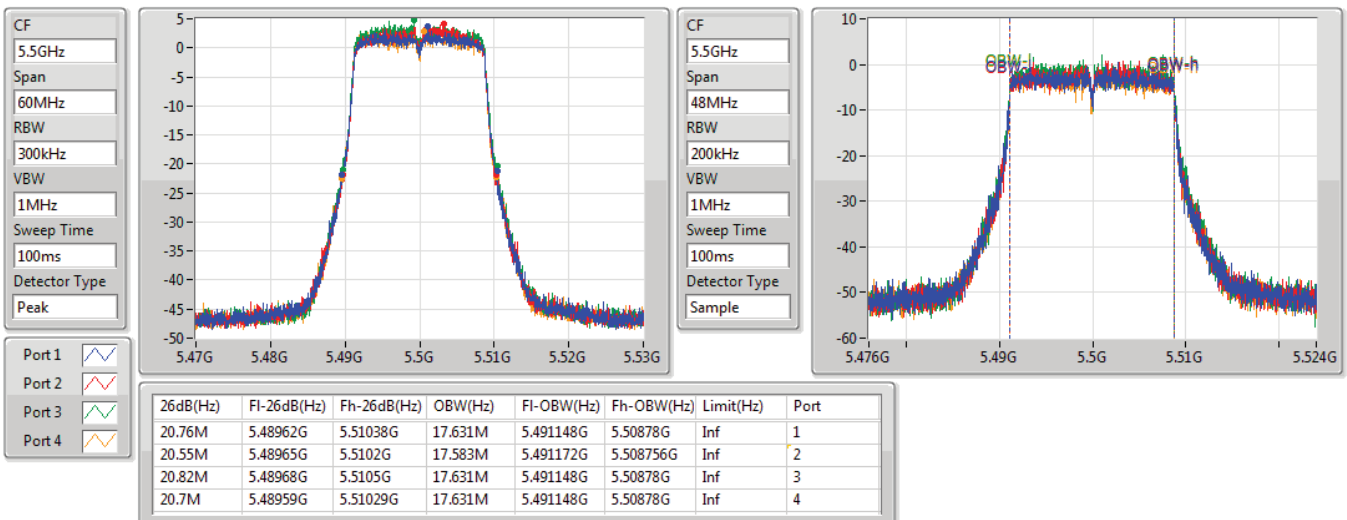


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

05/04/2020



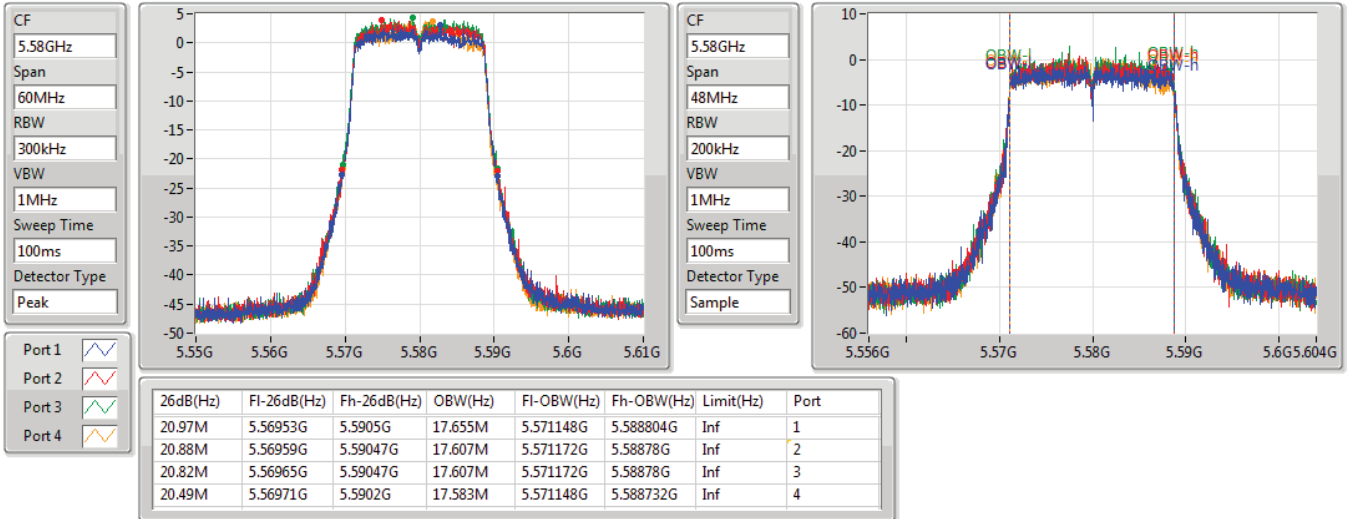


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

05/04/2020

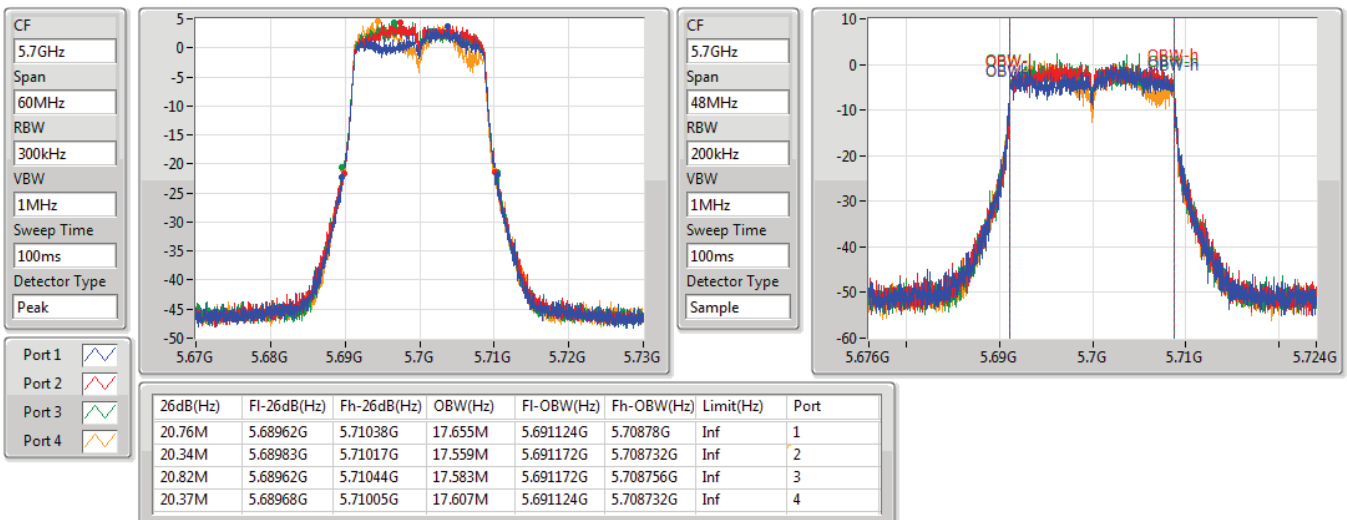


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

05/04/2020

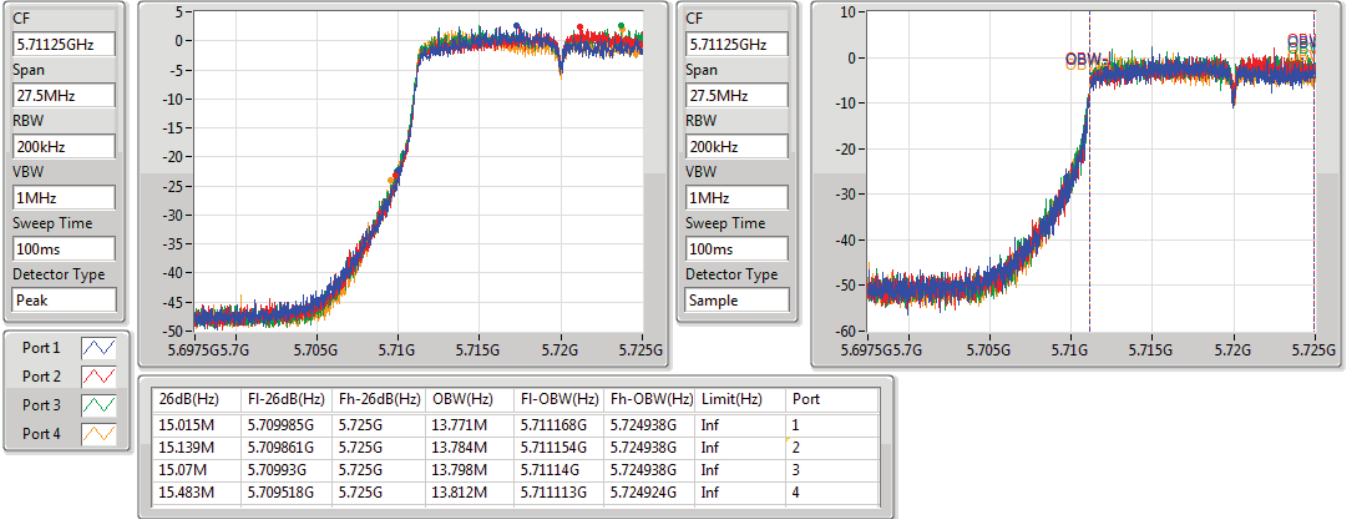


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/04/2020

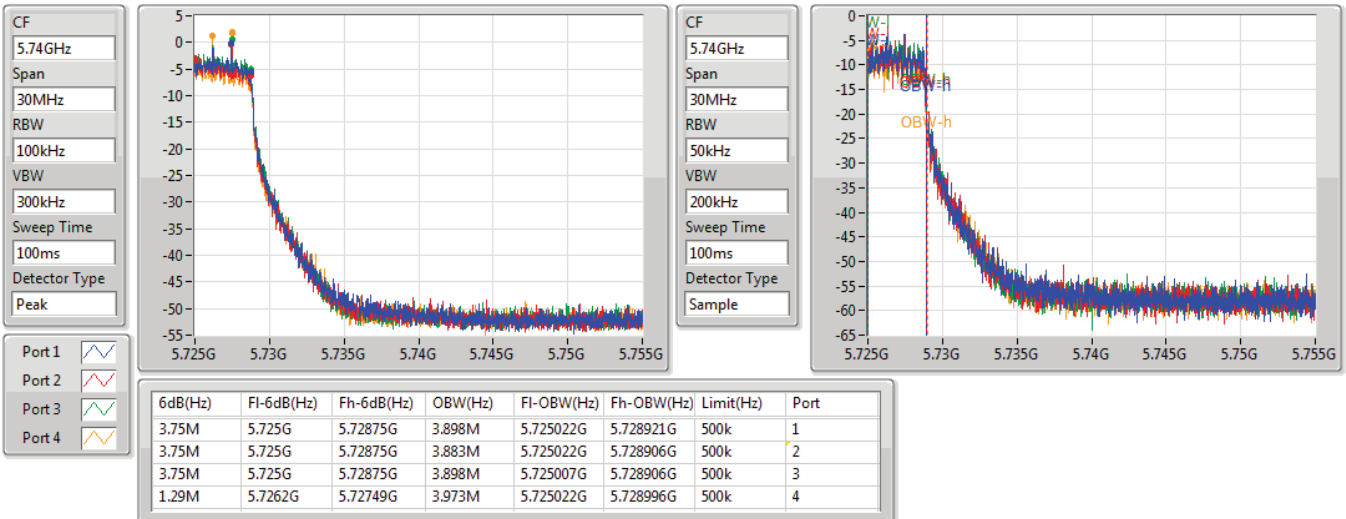


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/04/2020



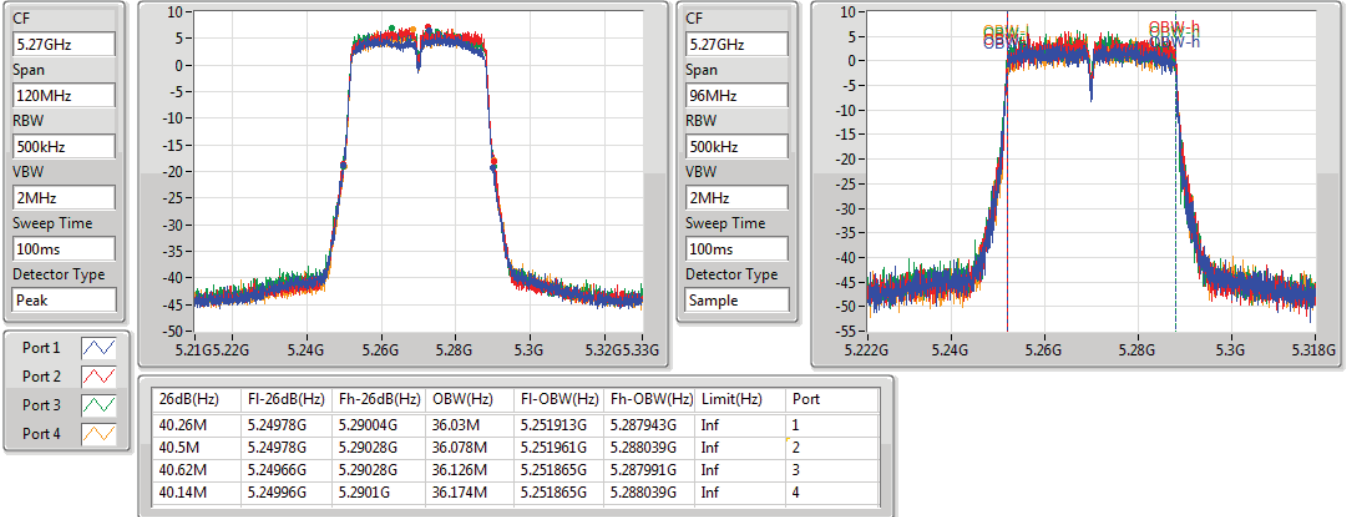


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5270MHz

05/04/2020

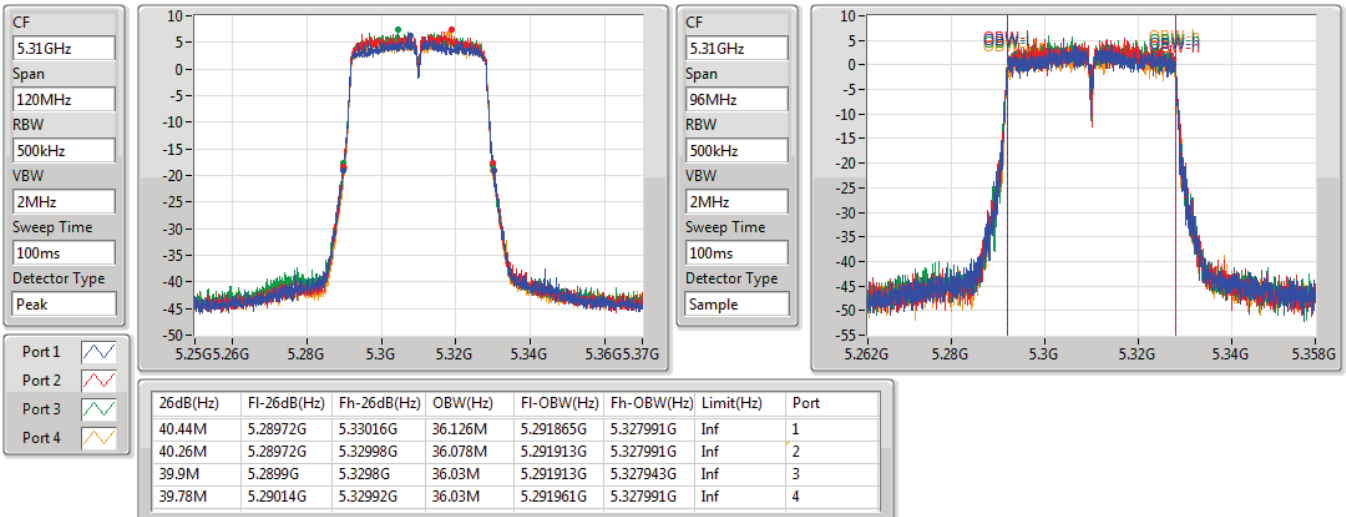


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

05/04/2020

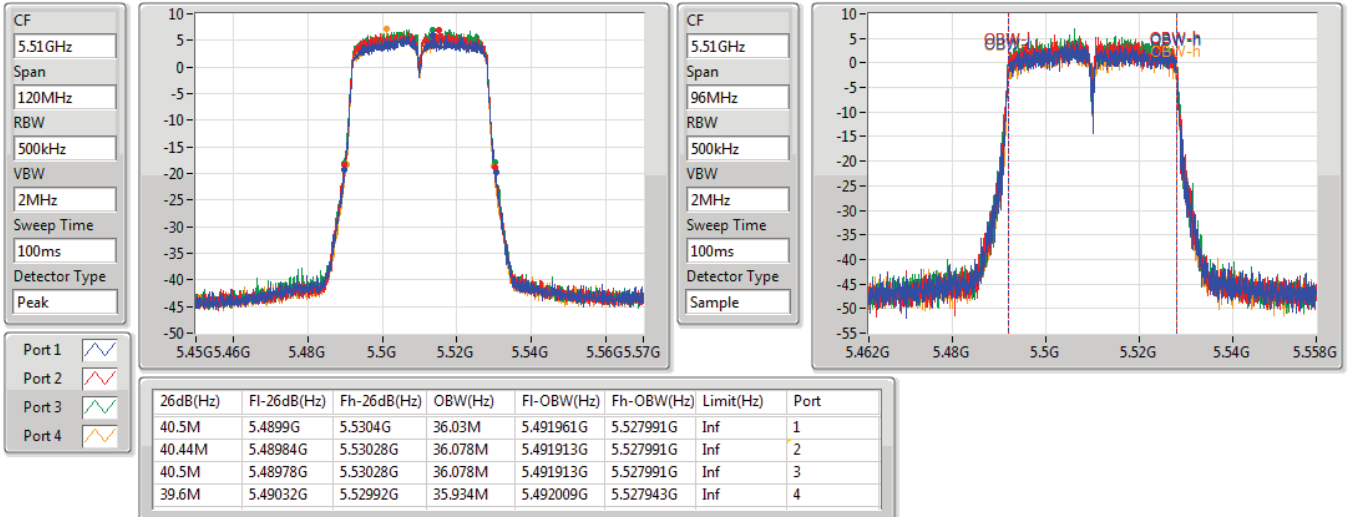


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

05/04/2020

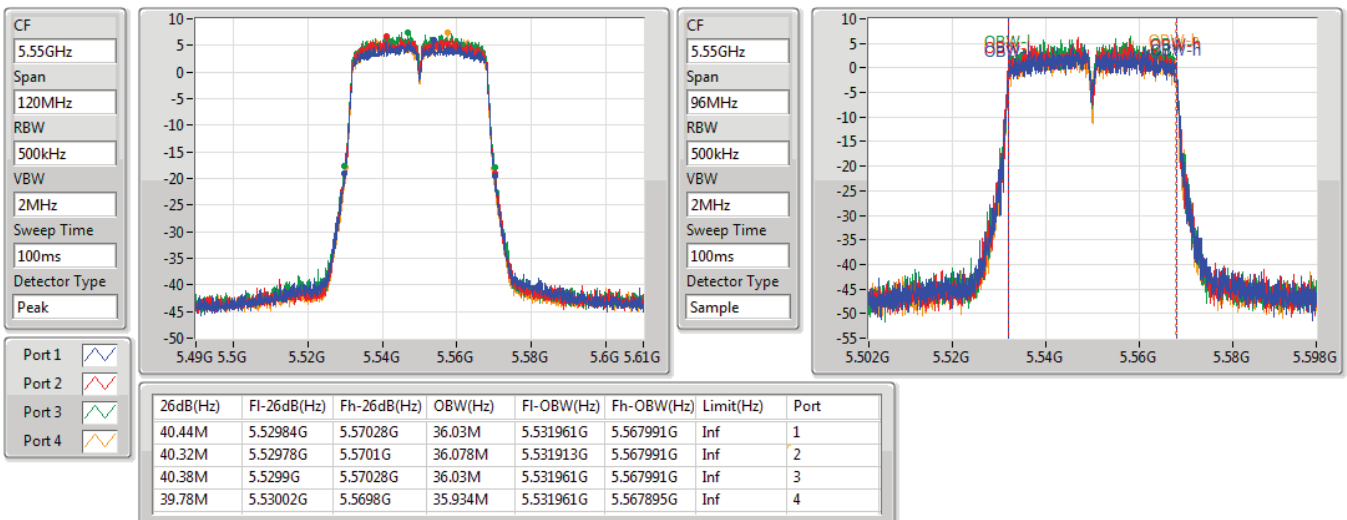


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

05/04/2020



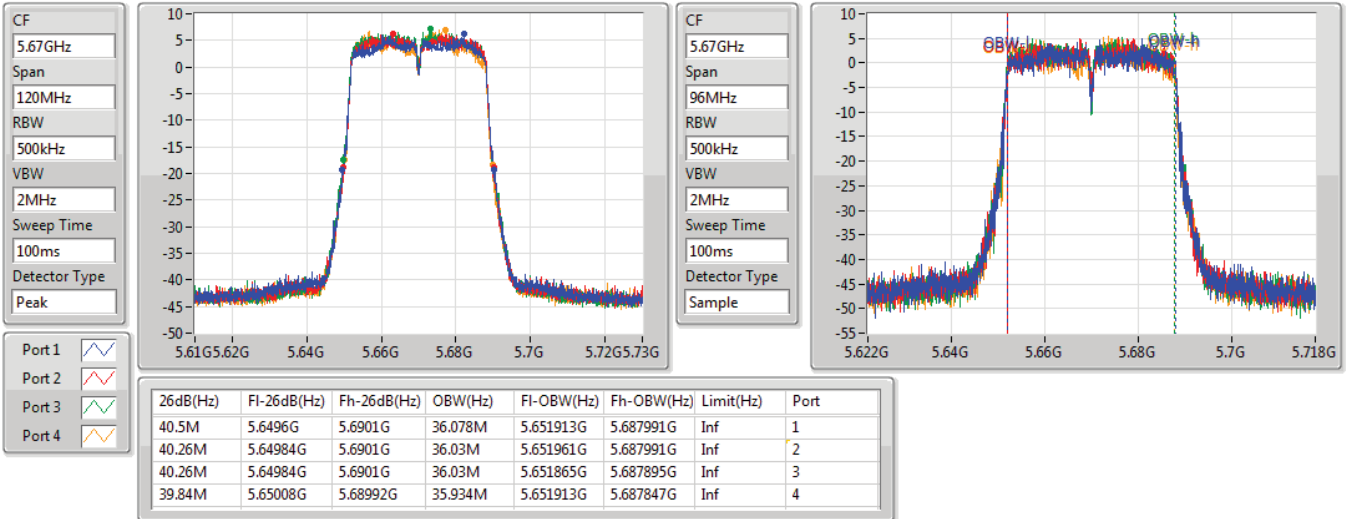


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

05/04/2020

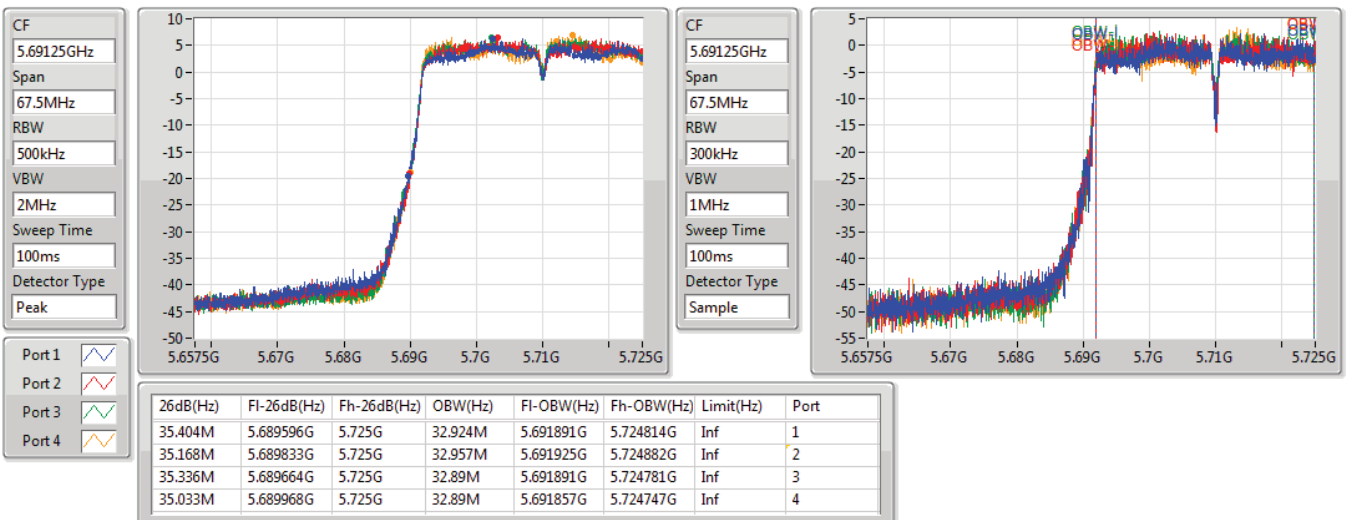


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

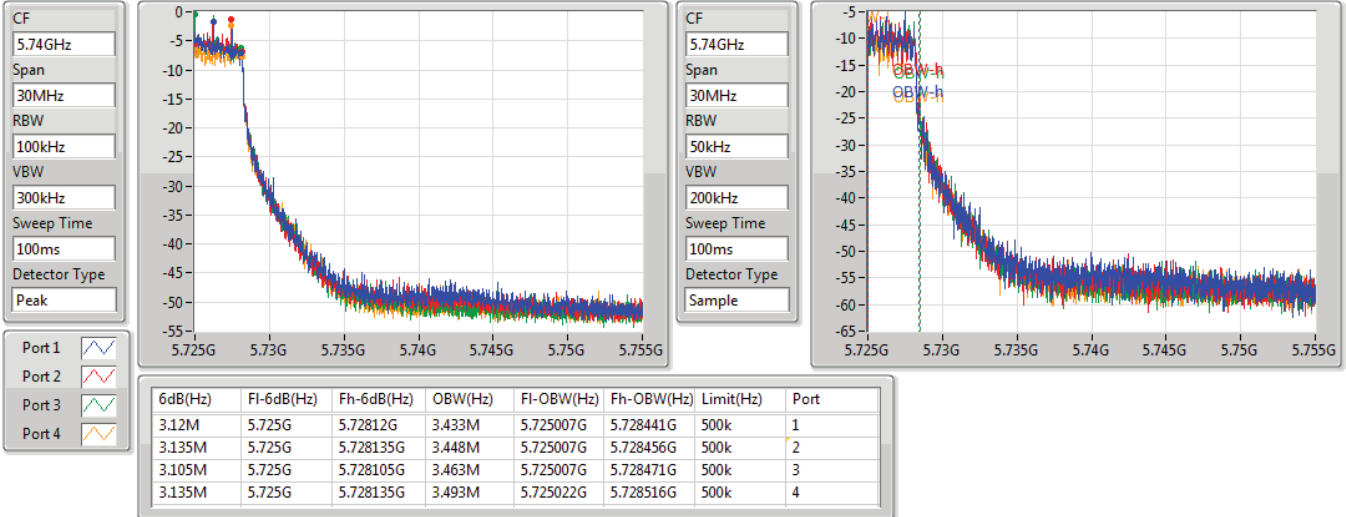
5710MHz Straddle 5.47-5.725GHz

05/04/2020

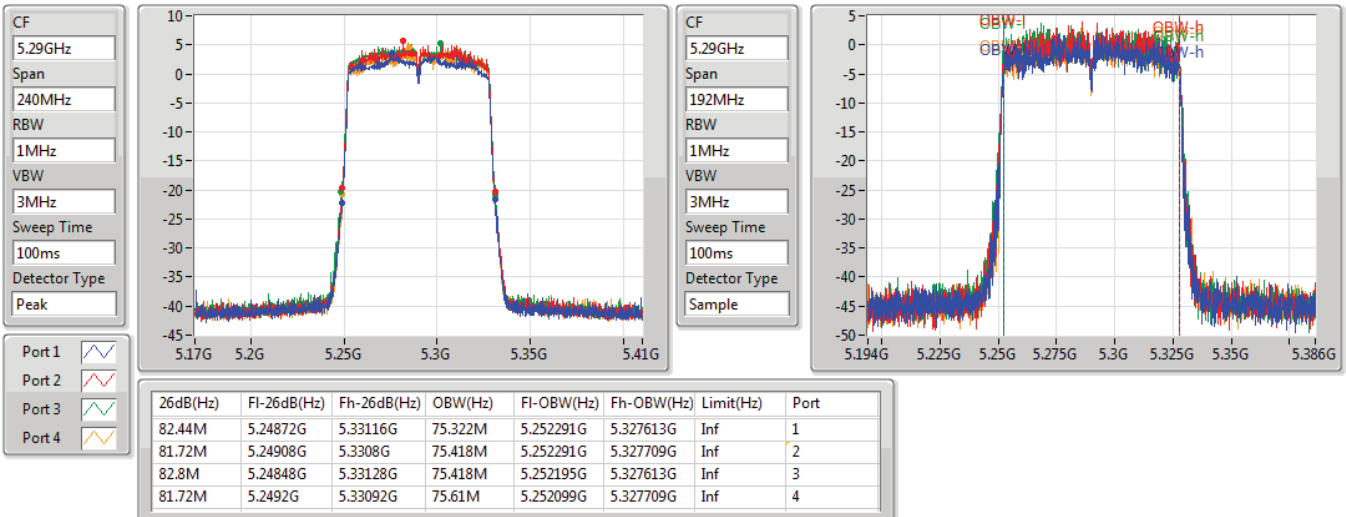


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/04/2020


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

05/04/2020

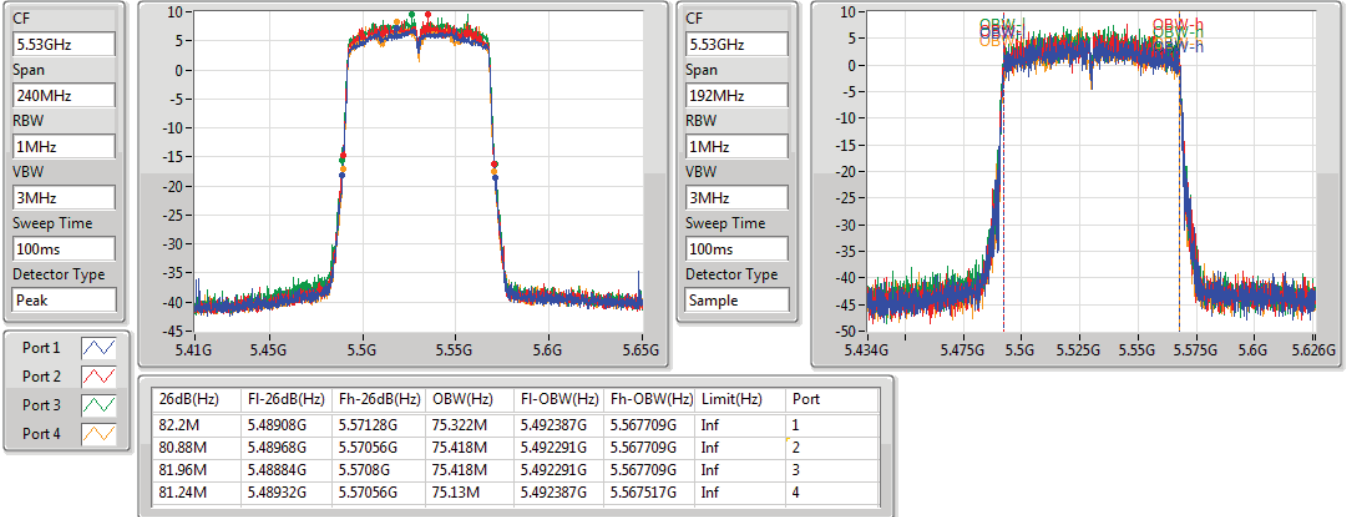


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

05/04/2020

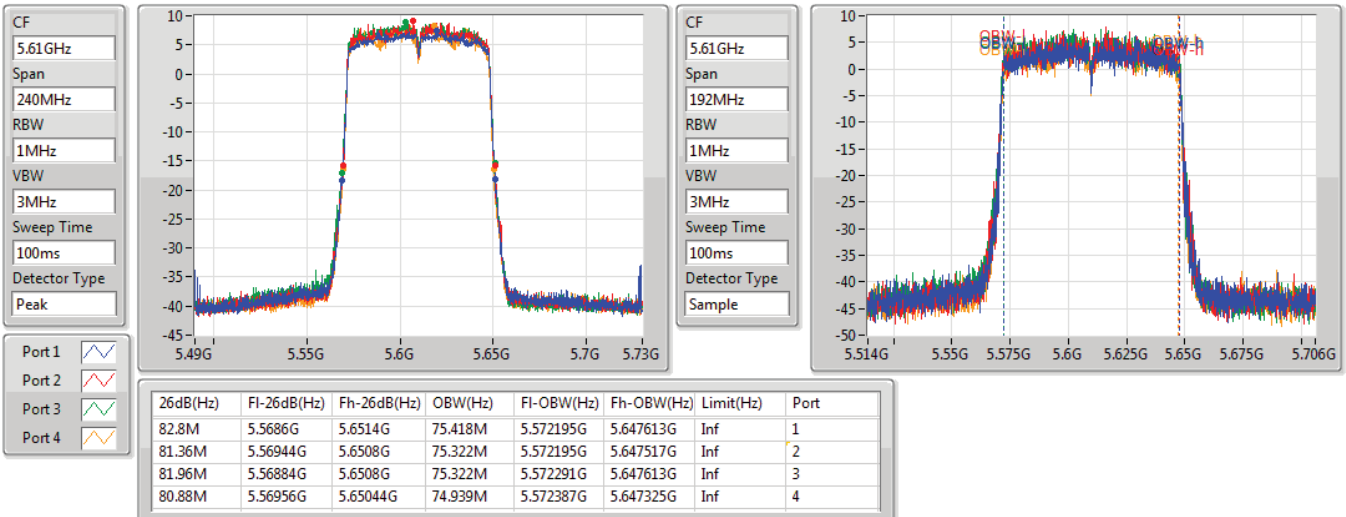


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5610MHz

05/04/2020

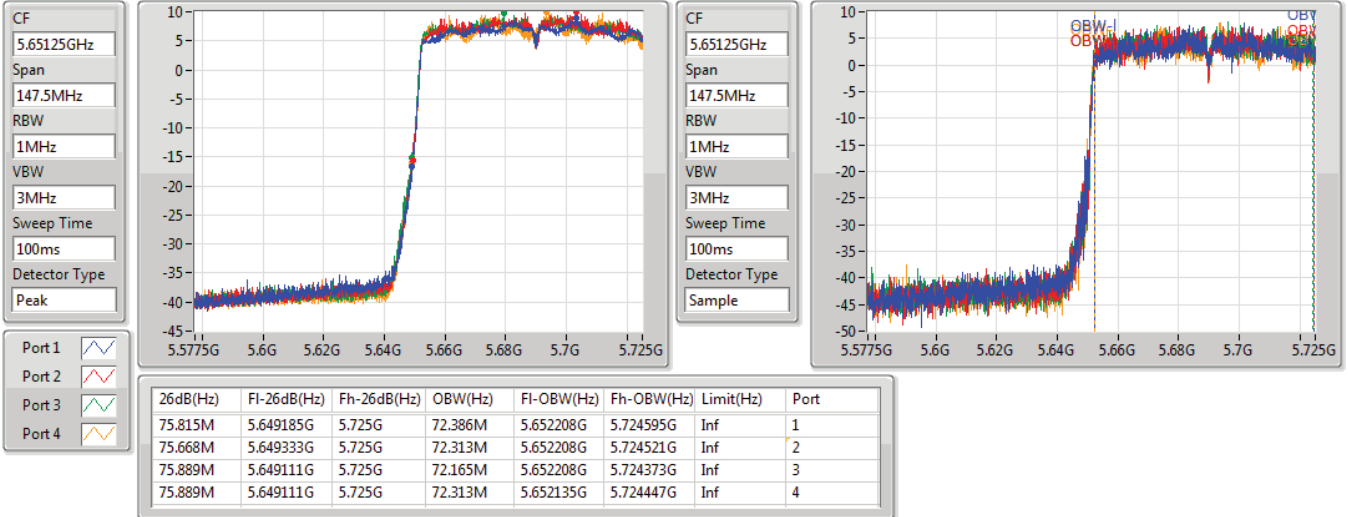


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/04/2020

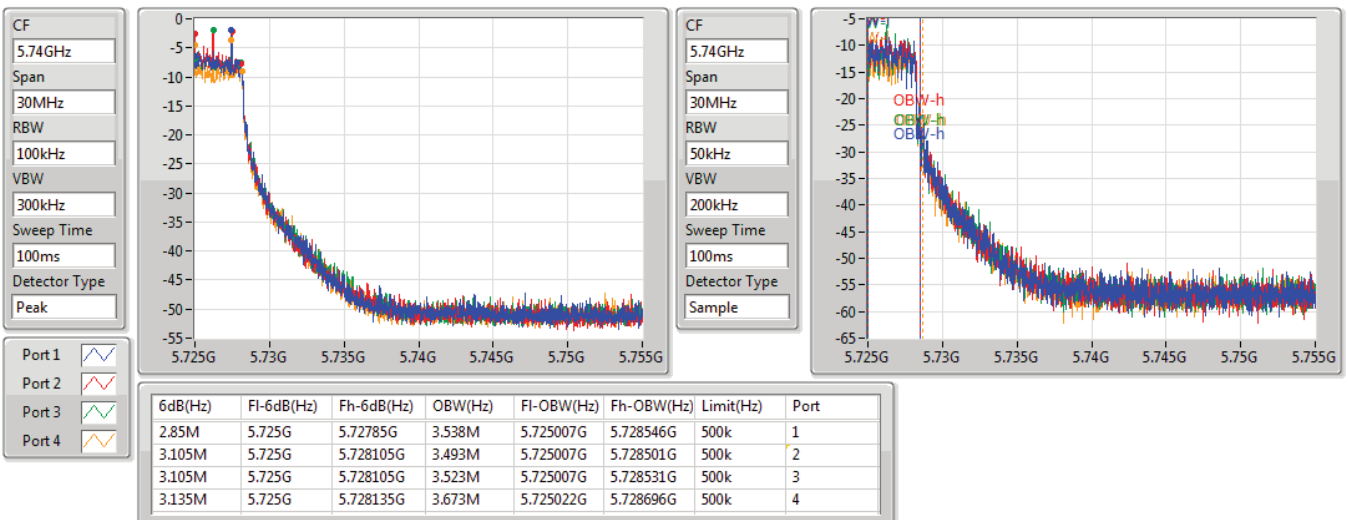


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/04/2020

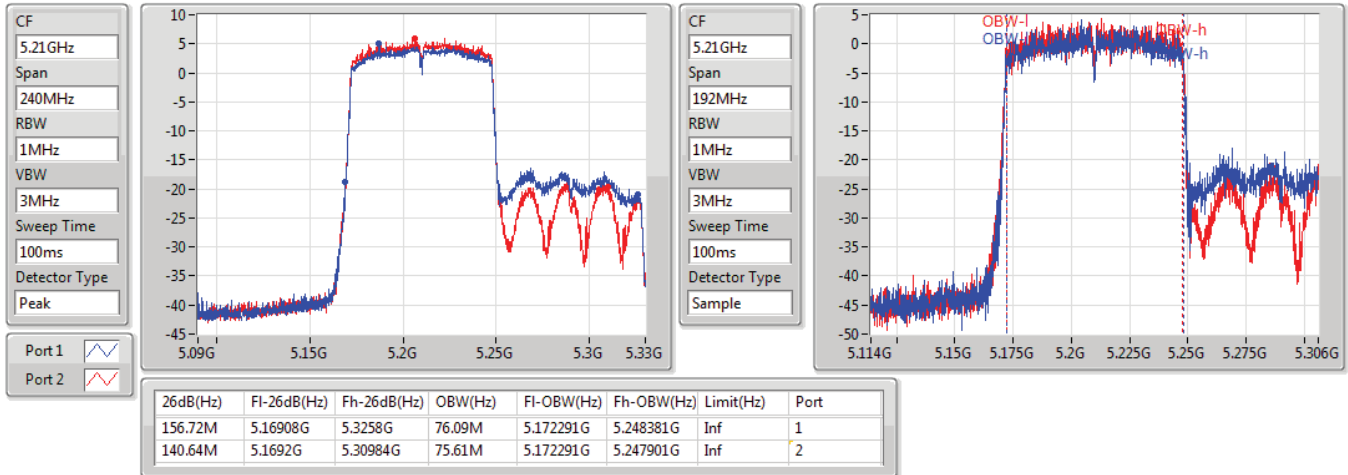


802.11ac VHT80+80_Nss1,(MCS0)_2TX

EBW

#5210MHz,5290MHz

05/04/2020



802.11ac VHT80+80_Nss1,(MCS0)_2TX

EBW

5210MHz,#5290MHz

05/04/2020

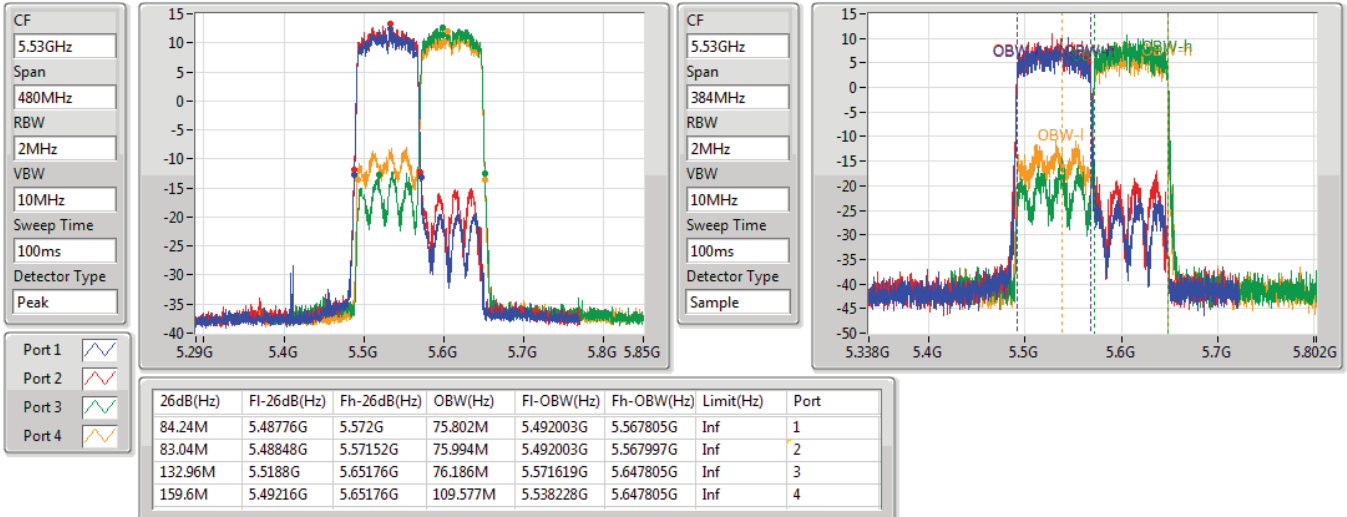


802.11ac VHT80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

05/04/2020

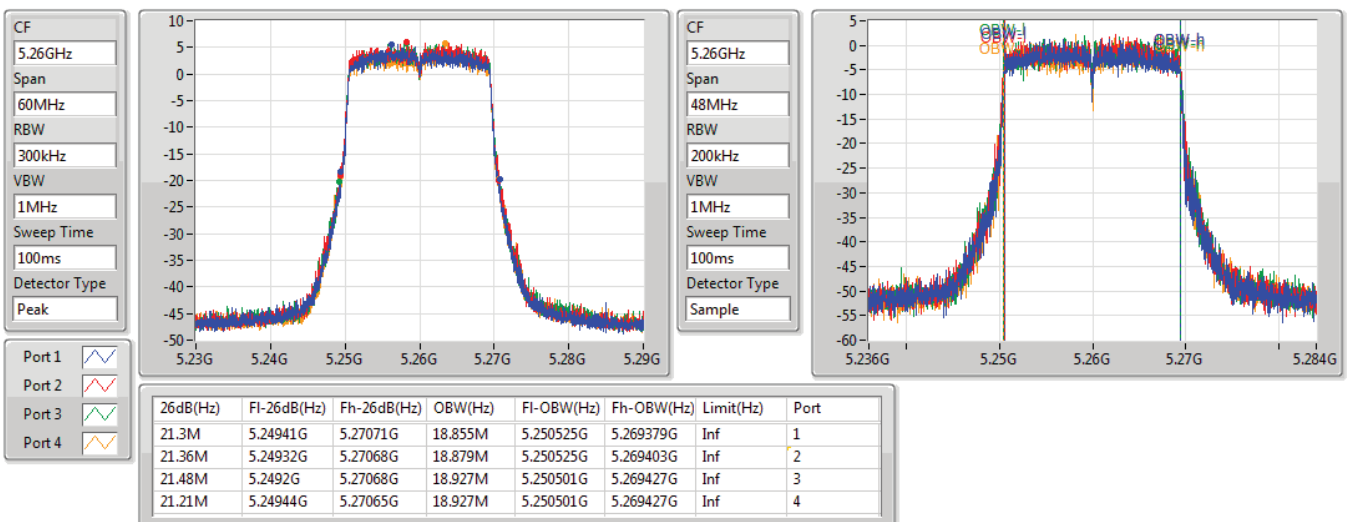


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

05/04/2020



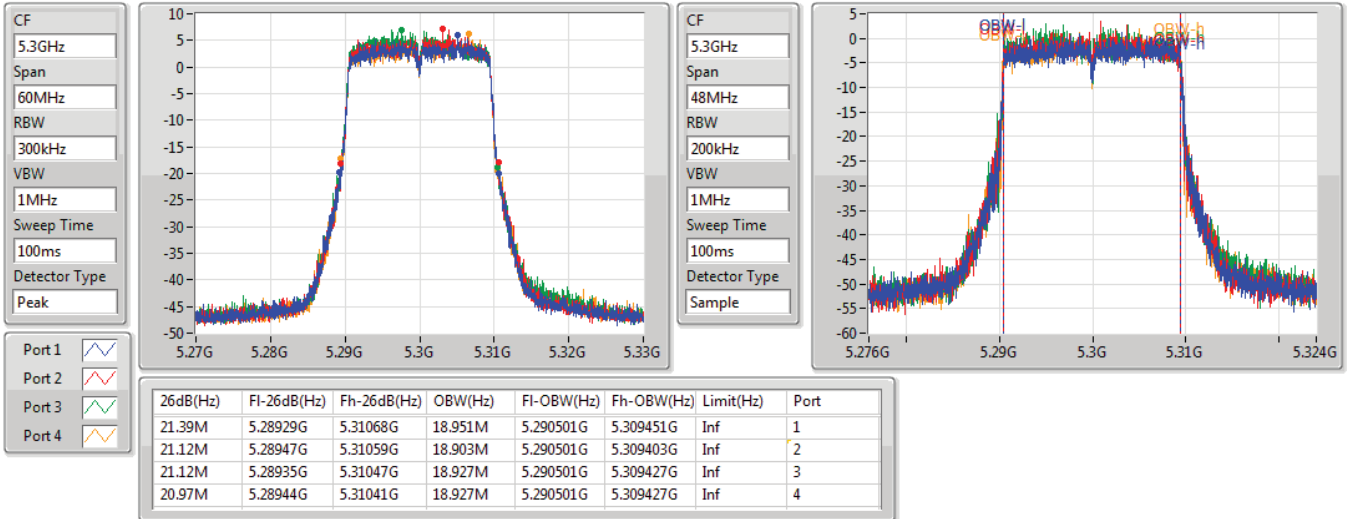


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

05/04/2020

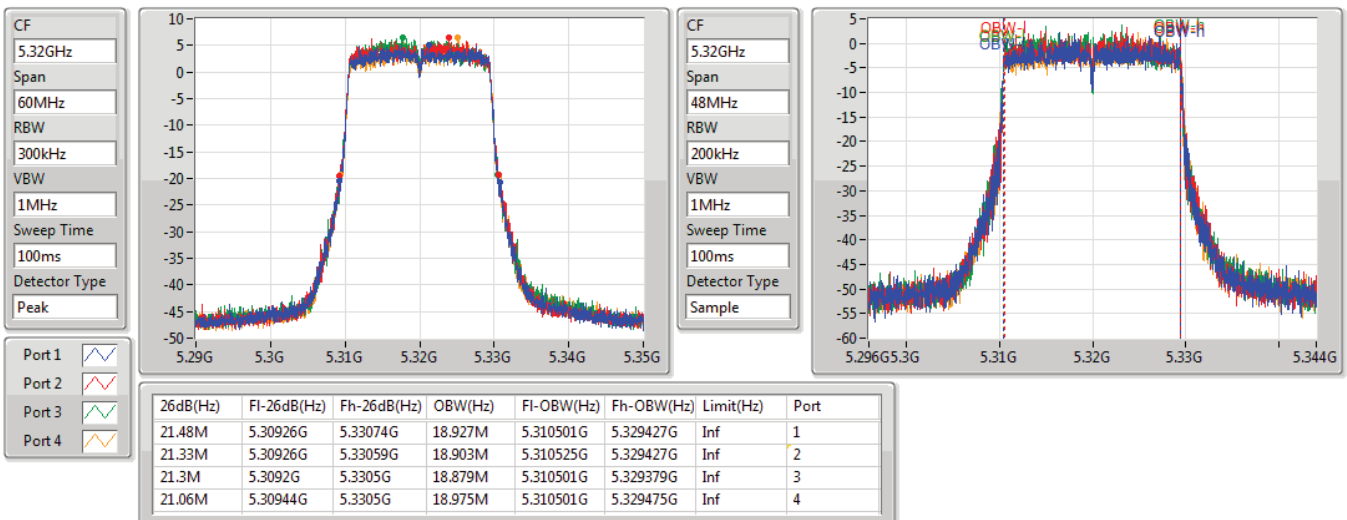


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

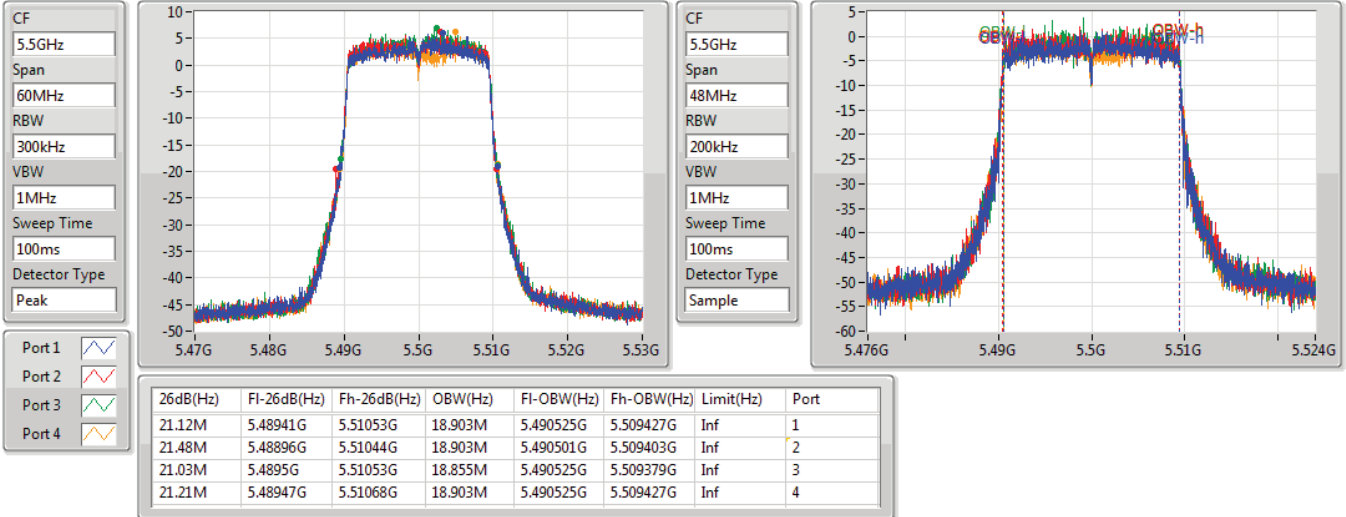
5320MHz

05/04/2020

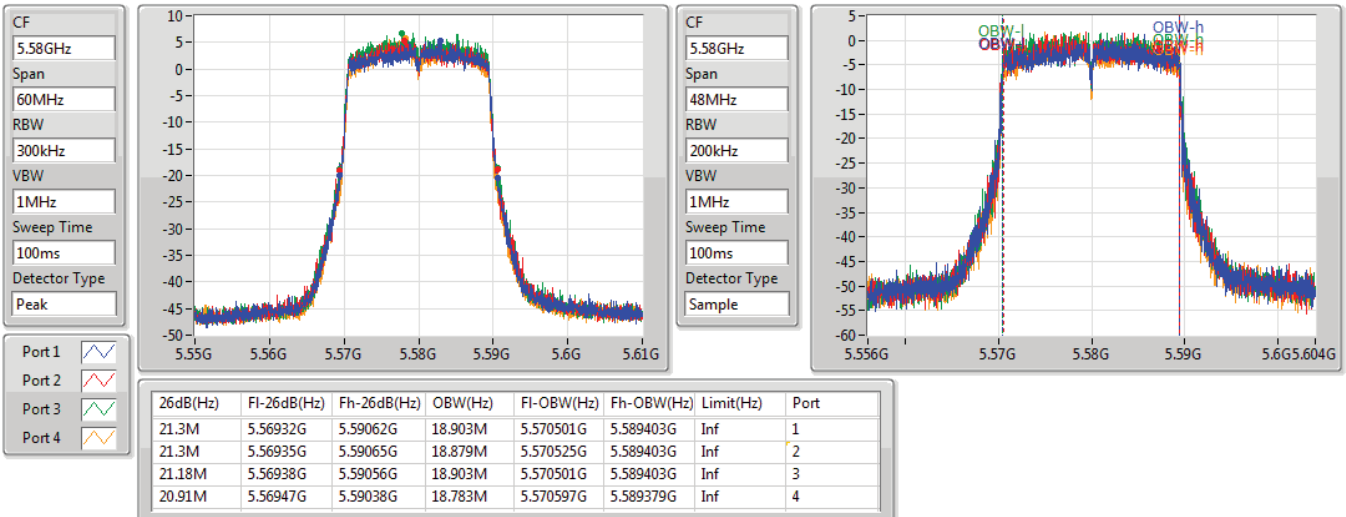


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

05/04/2020


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

05/04/2020



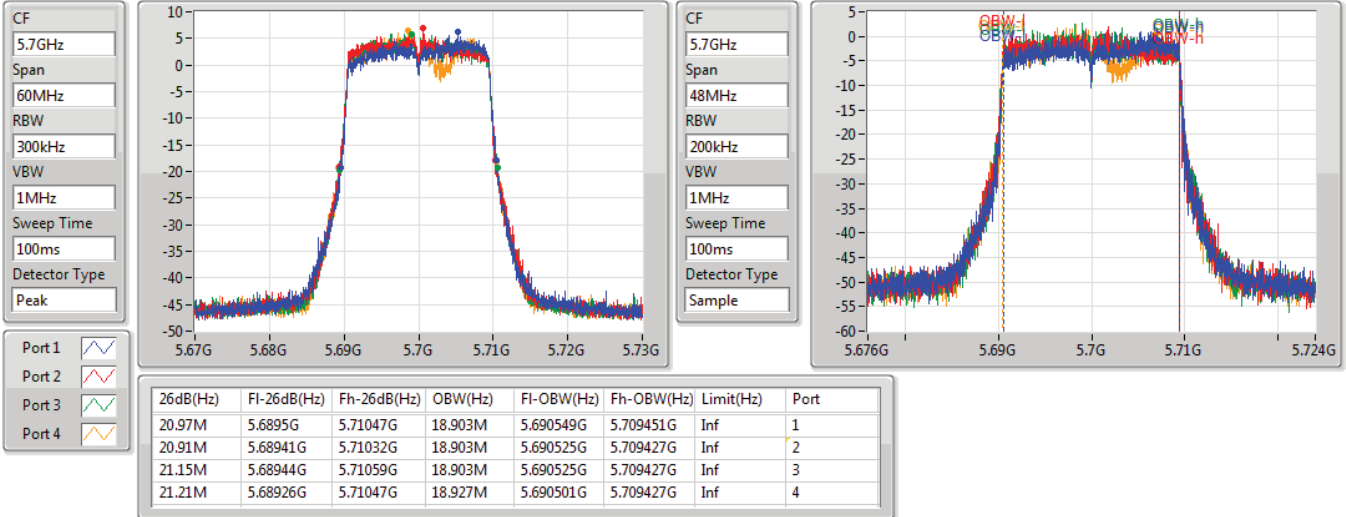


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

05/04/2020

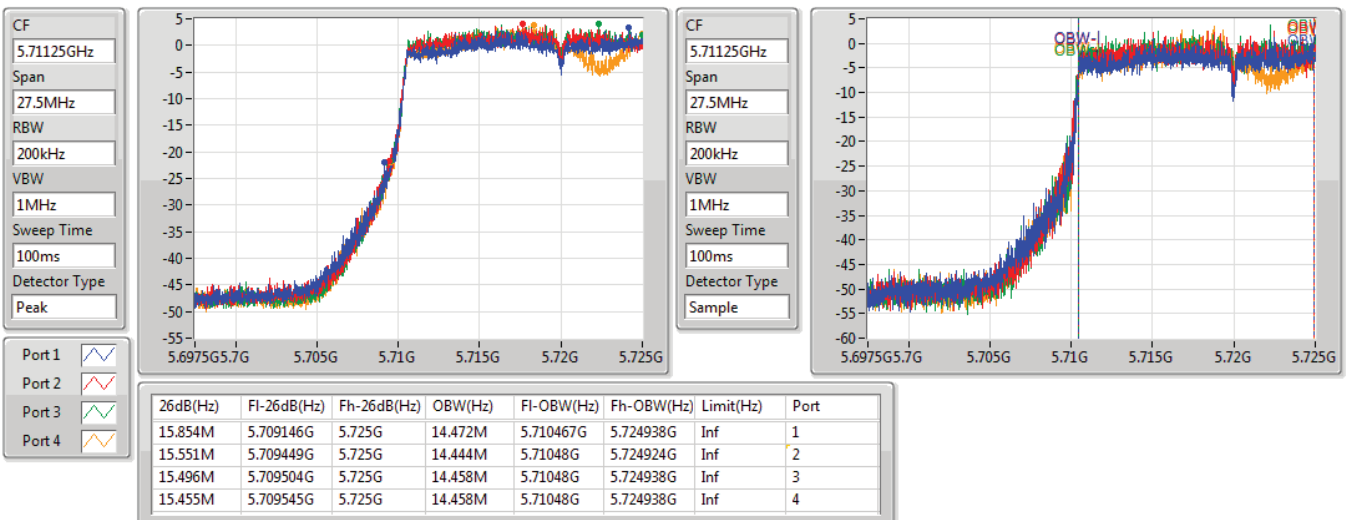


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/04/2020

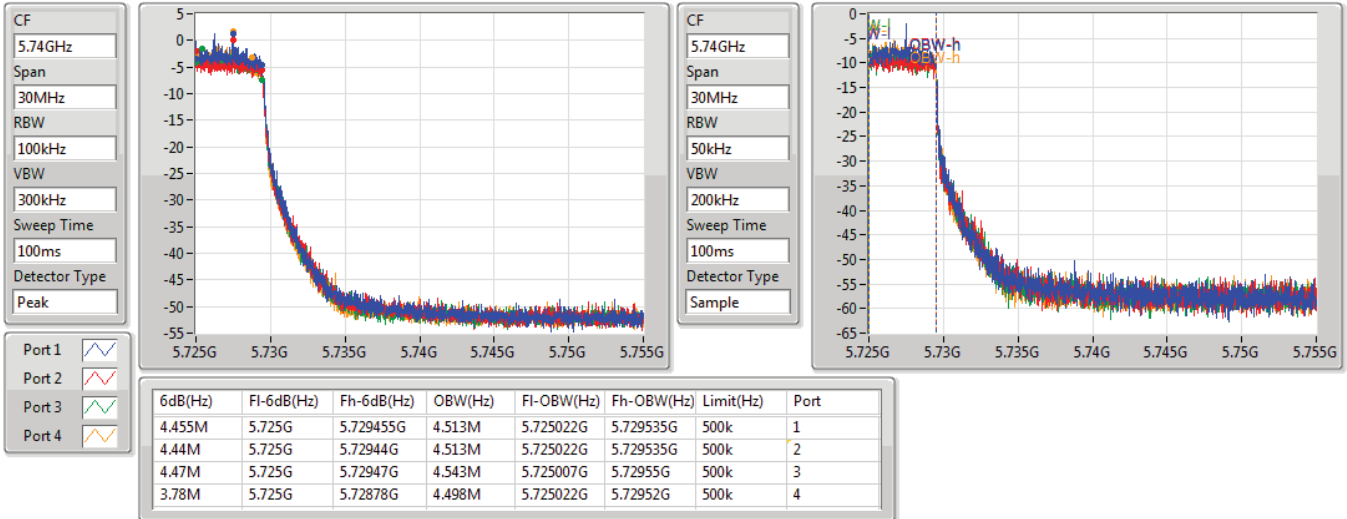


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/04/2020

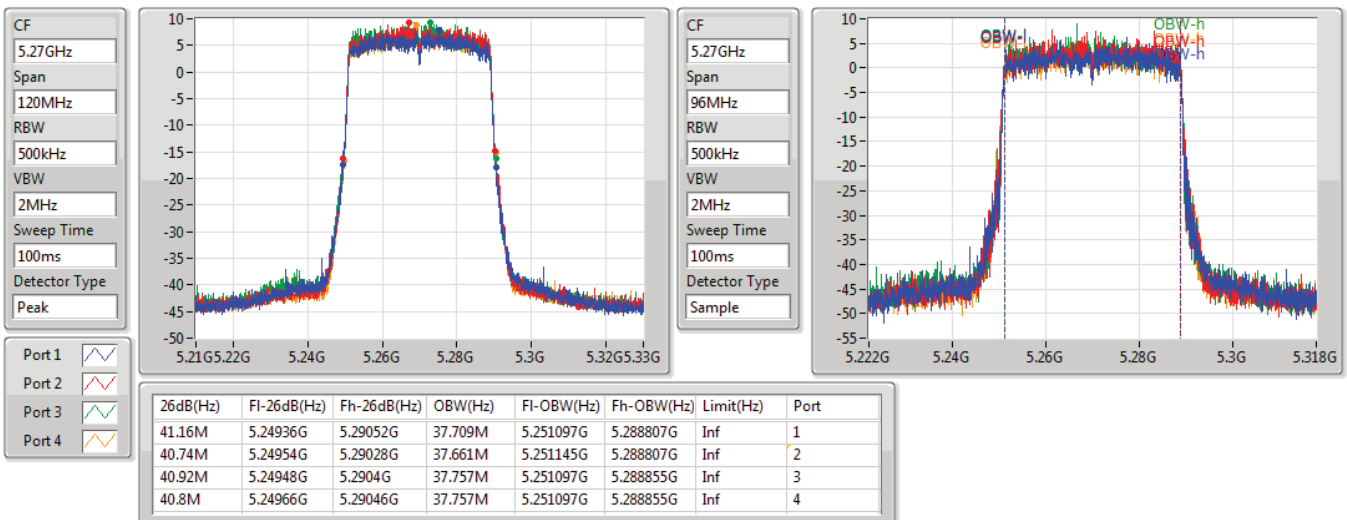


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

05/04/2020



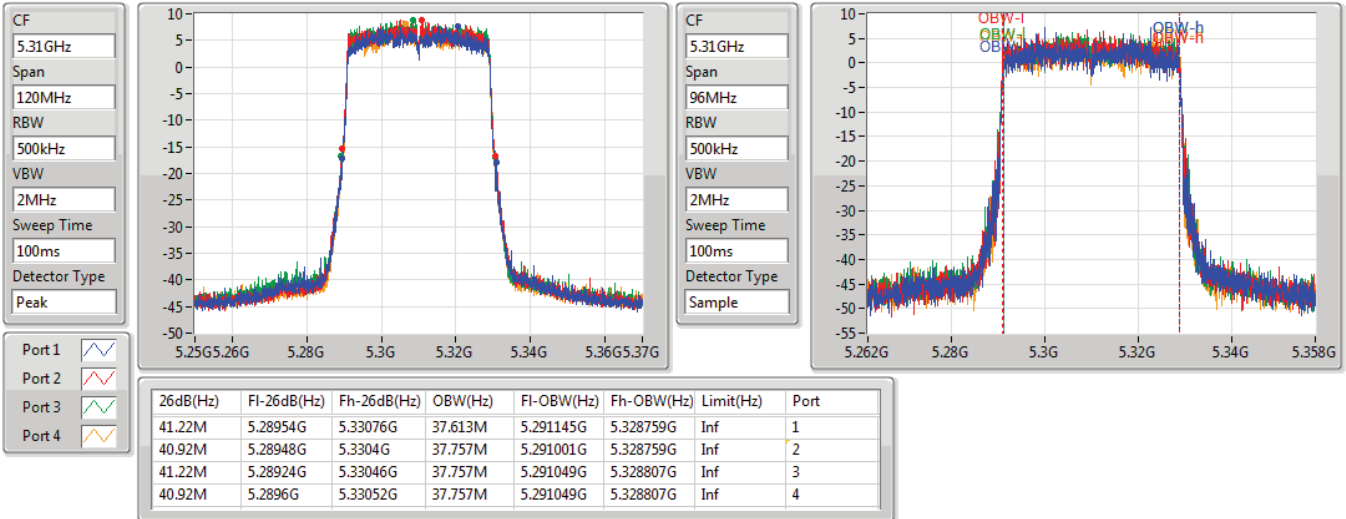


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

05/04/2020

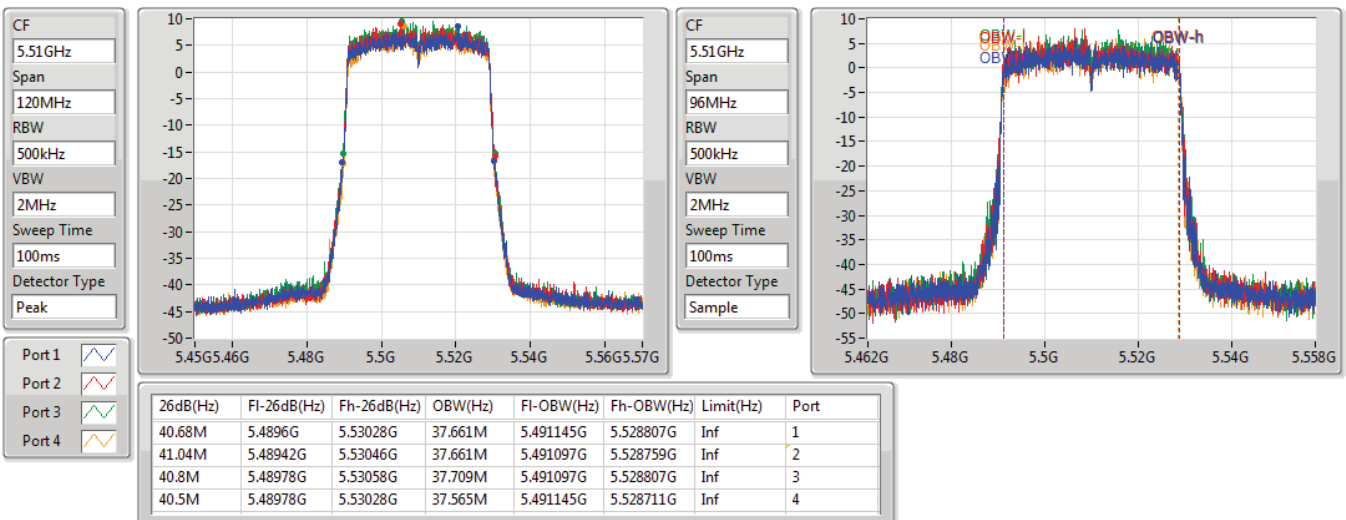


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

05/04/2020



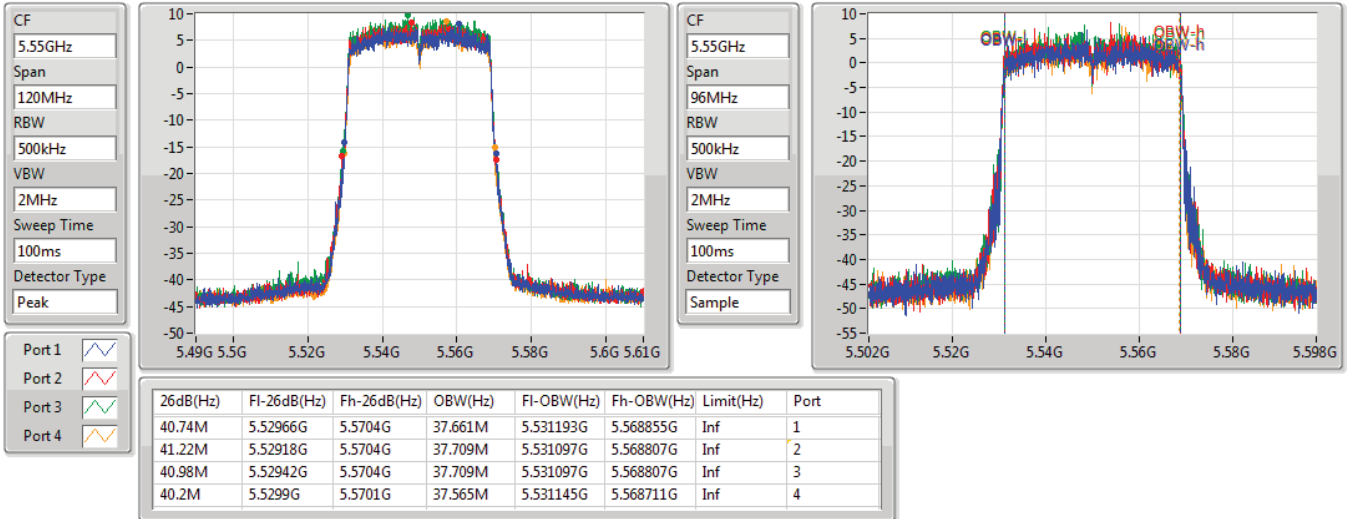


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

05/04/2020

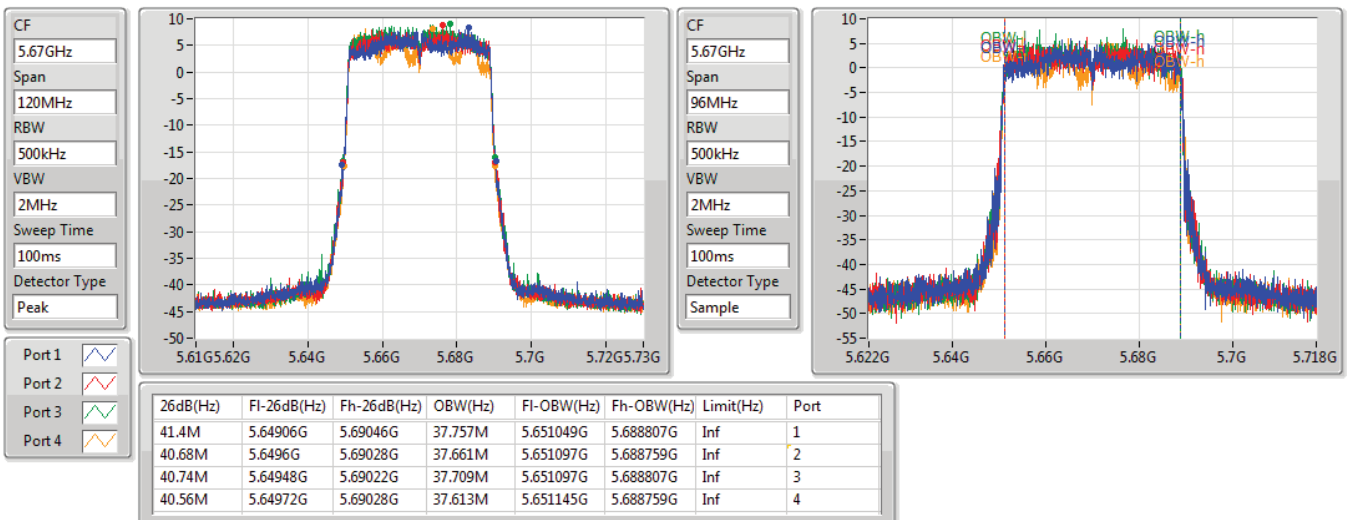


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

05/04/2020



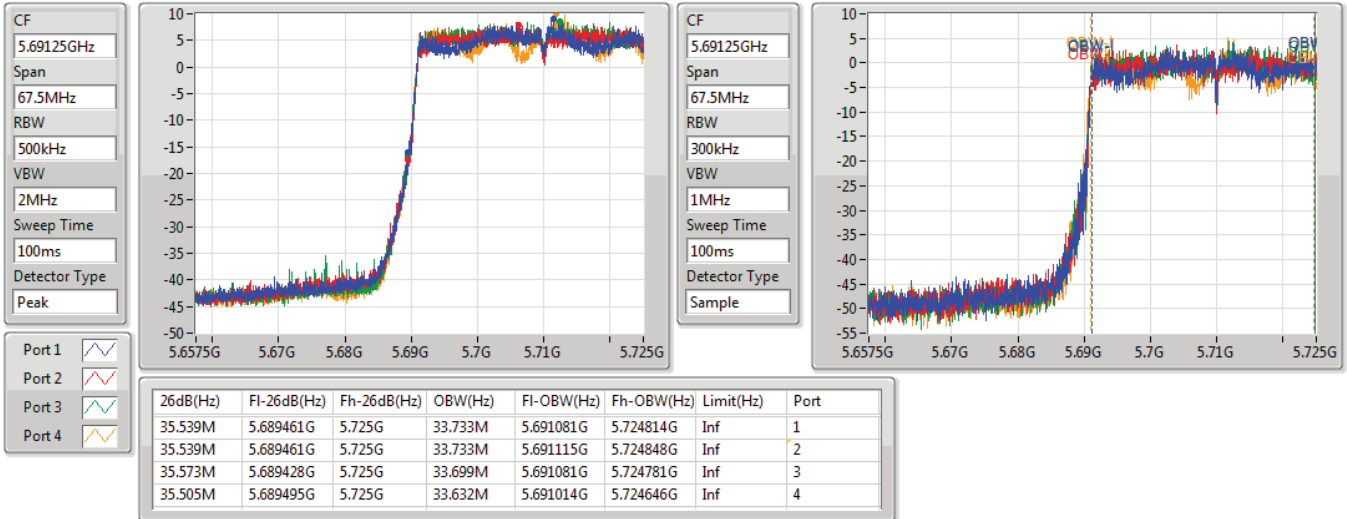


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/04/2020

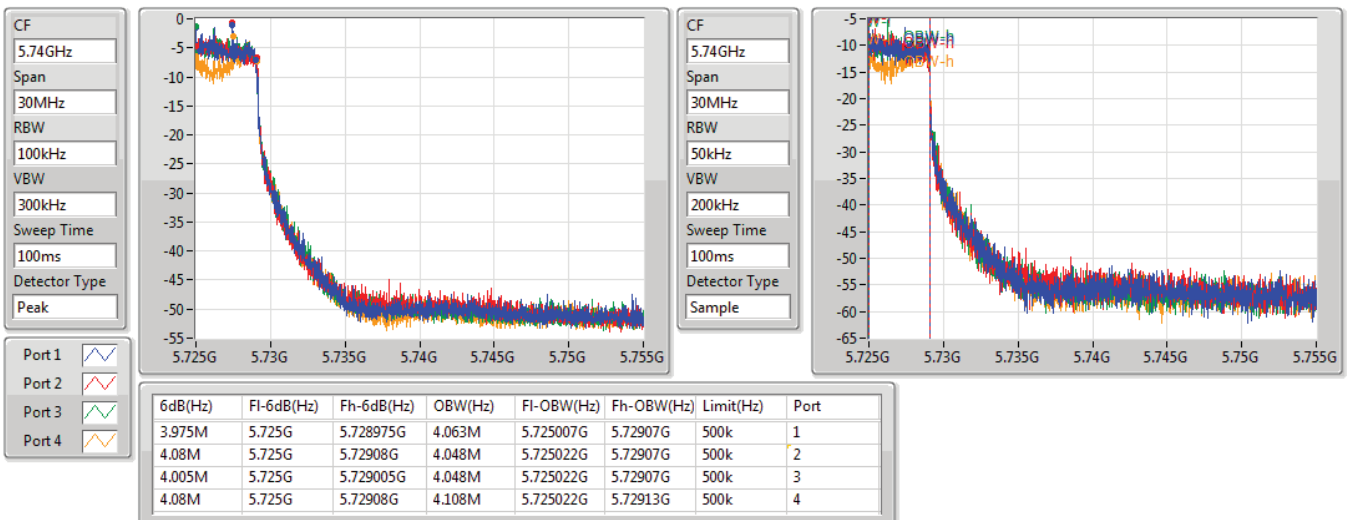


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/04/2020

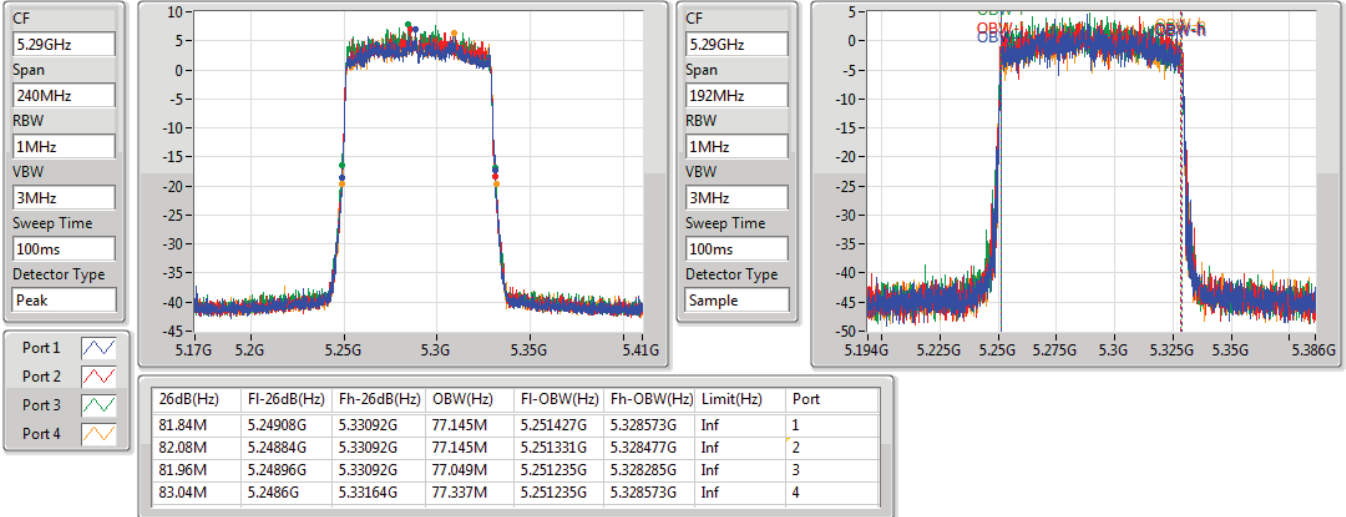


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

05/04/2020

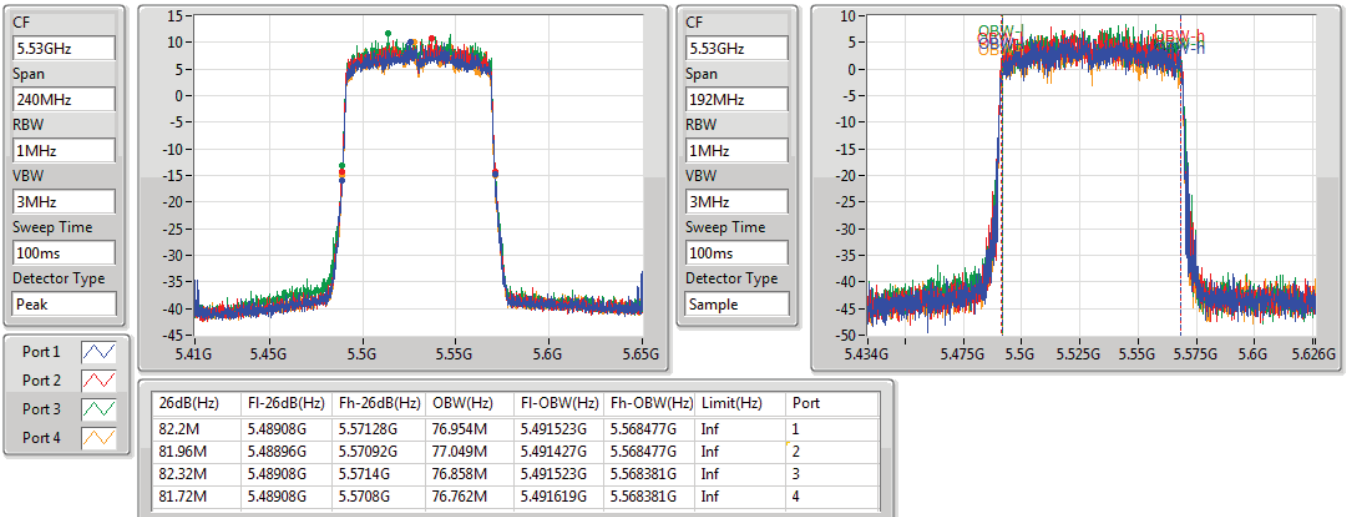


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

05/04/2020



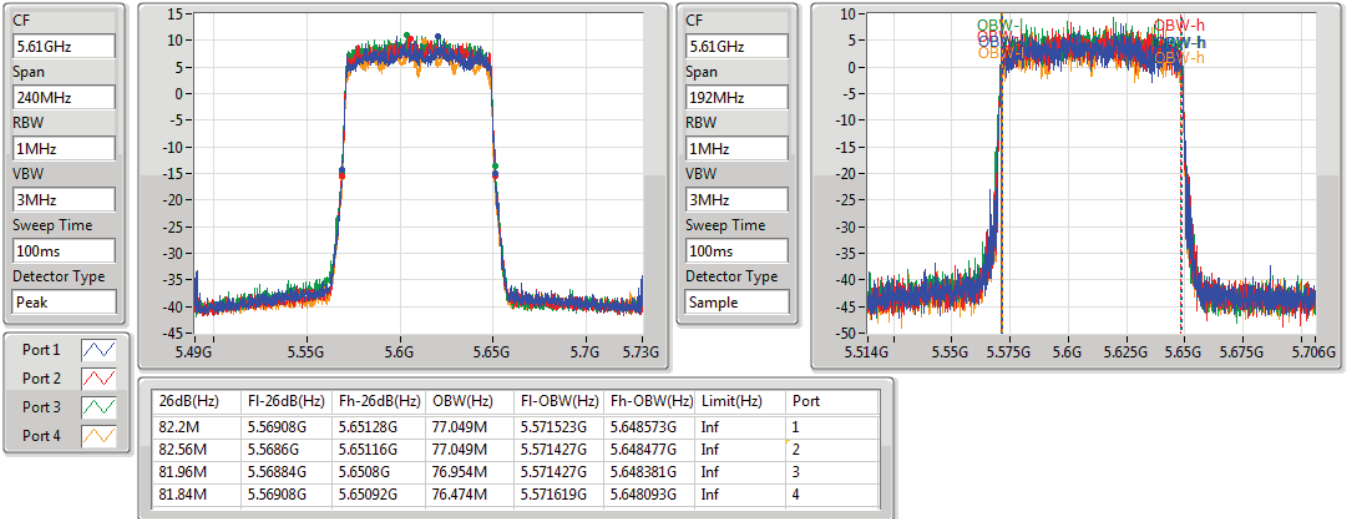


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

05/04/2020

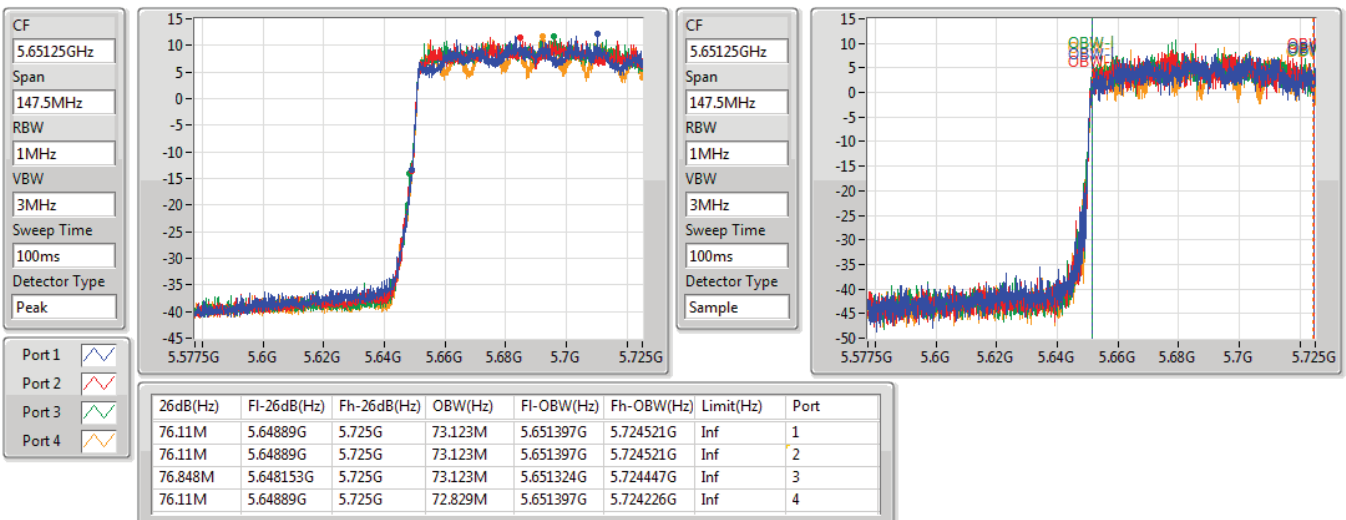


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

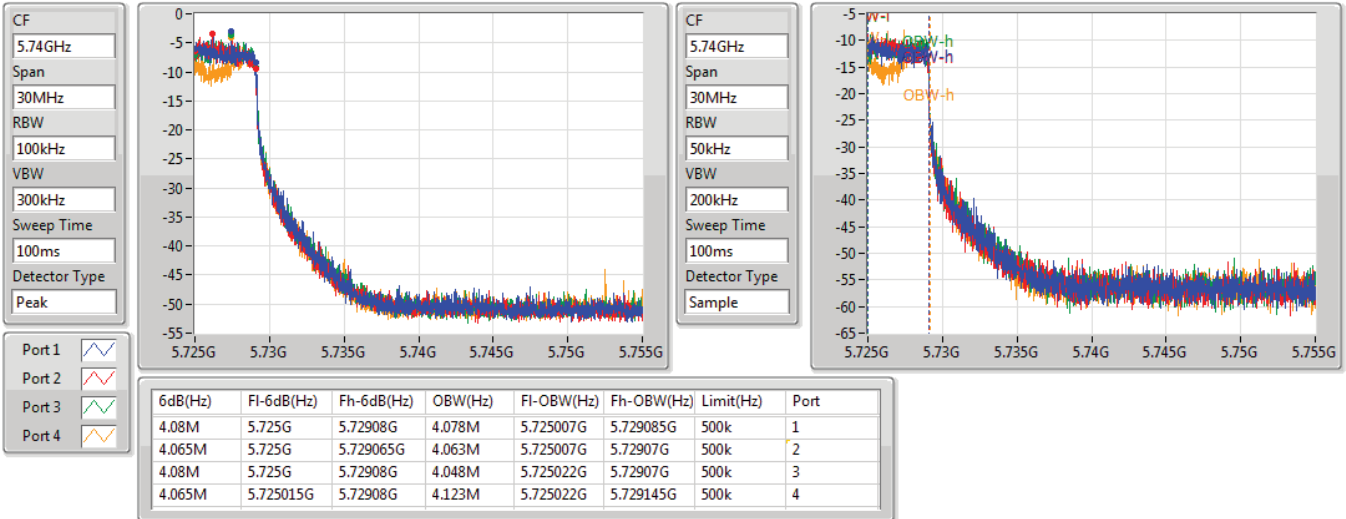
5690MHz Straddle 5.47-5.725GHz

05/04/2020

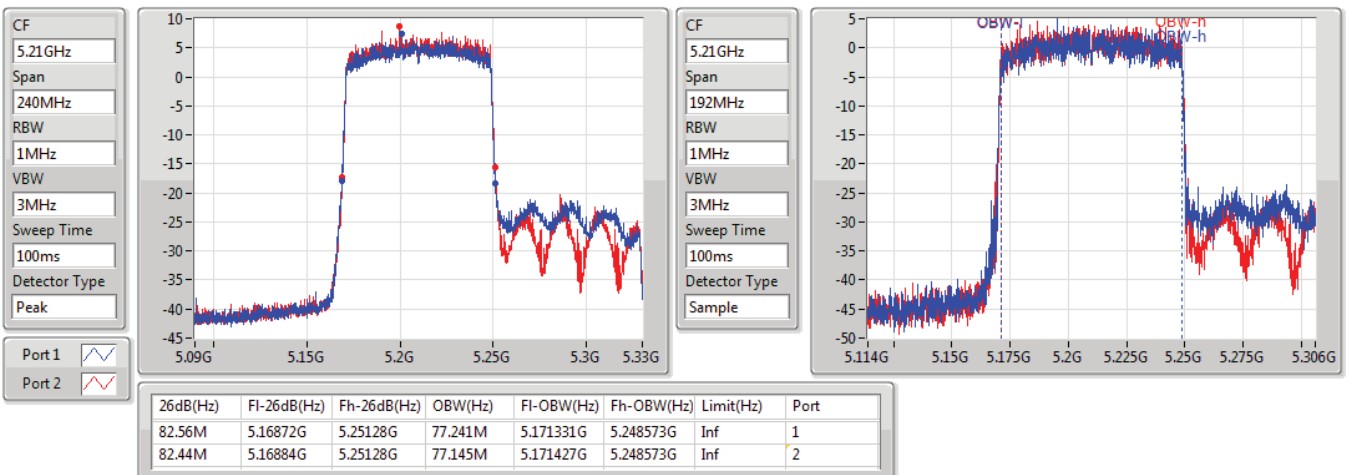


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

05/04/2020

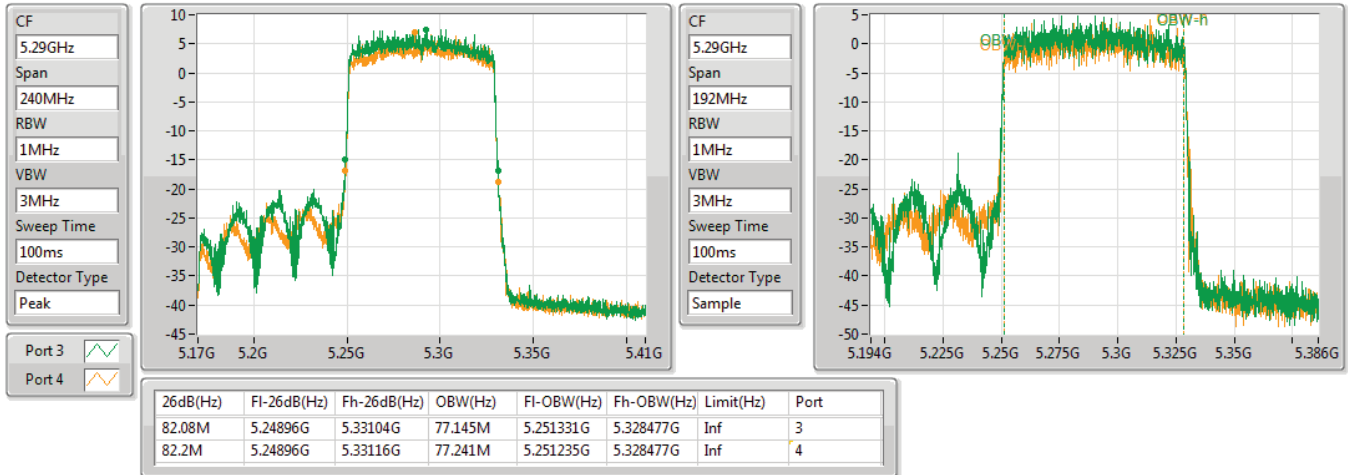

802.11ax HEW80+80_Nss1,(MCS0)_2TX
EBW
#5210MHz,5290MHz

05/04/2020

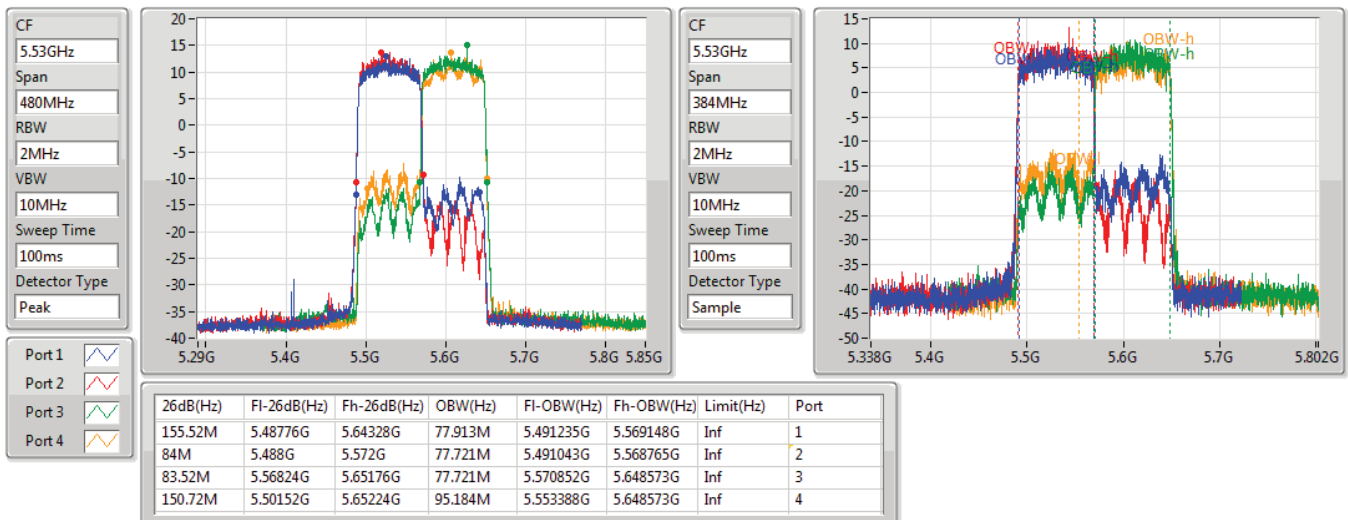


802.11ax HEW80+80_Nss1,(MCS0)_2TX
EBW
5210MHz,#5290MHz

05/04/2020


802.11ax HEW80+80_Nss1,(MCS0)_4TX
EBW
#5530MHz,#5610MHz

05/04/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	31.86M	16.816M	16M8D1D	22.41M	16.552M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.89M	17.943M	17M9D1D	24.57M	17.727M
802.11ac VHT40_Nss1,(MCS0)_2TX	77.16M	37.037M	37M0D1D	47.16M	36.27M
802.11ac VHT80_Nss1,(MCS0)_2TX	88.68M	75.994M	76M0D1D	88.32M	75.898M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	32.64M	16.816M	16M8D1D	21.546M	13.606M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.77M	17.895M	17M9D1D	20.749M	14.21M
802.11ac VHT40_Nss1,(MCS0)_2TX	81.3M	38.141M	38M1D1D	44.82M	33.733M
802.11ac VHT80_Nss1,(MCS0)_2TX	126.84M	76.57M	76M6D1D	88.44M	72.902M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.135M	9.565M	9M57D1D	3.12M	7.541M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.735M	9.52M	9M52D1D	3.735M	8.426M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.135M	22.504M	22M5D1D	3.135M	21.514M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.225M	27.511M	27M5D1D	3.21M	26.462M

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	28.59M	16.672M	22.41M	16.552M
5300MHz	Pass	Inf	31.86M	16.816M	24.15M	16.576M
5320MHz	Pass	Inf	31.2M	16.696M	24.21M	16.6M
5500MHz	Pass	Inf	26.52M	16.72M	28.41M	16.648M
5580MHz	Pass	Inf	32.64M	16.816M	28.89M	16.648M
5700MHz	Pass	Inf	25.53M	16.648M	25.17M	16.6M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.839M	14.554M	21.546M	13.606M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	9.565M	3.135M	7.541M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	28.53M	17.847M	24.57M	17.727M
5300MHz	Pass	Inf	29.85M	17.871M	24.84M	17.775M
5320MHz	Pass	Inf	31.89M	17.943M	26.82M	17.799M
5500MHz	Pass	Inf	31.77M	17.895M	30.72M	17.895M
5580MHz	Pass	Inf	29.91M	17.895M	30.63M	17.847M
5700MHz	Pass	Inf	29.13M	17.871M	28.65M	17.799M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.004M	14.788M	20.749M	14.21M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	9.52M	3.735M	8.426M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	76.44M	37.037M	77.16M	36.942M
5310MHz	Pass	Inf	49.68M	36.27M	47.16M	36.27M
5510MHz	Pass	Inf	46.38M	36.222M	44.82M	36.318M
5550MHz	Pass	Inf	74.64M	36.846M	81.3M	38.141M
5670MHz	Pass	Inf	74.22M	36.654M	80.46M	37.373M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	55.316M	33.733M	55.046M	34.678M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	21.514M	3.135M	22.504M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	88.68M	75.898M	88.32M	75.994M
5530MHz	Pass	Inf	90.48M	75.898M	88.44M	75.61M
5610MHz	Pass	Inf	106.68M	76.09M	126.84M	76.57M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	111.584M	72.902M	117.336M	73.566M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.225M	26.462M	3.21M	27.511M

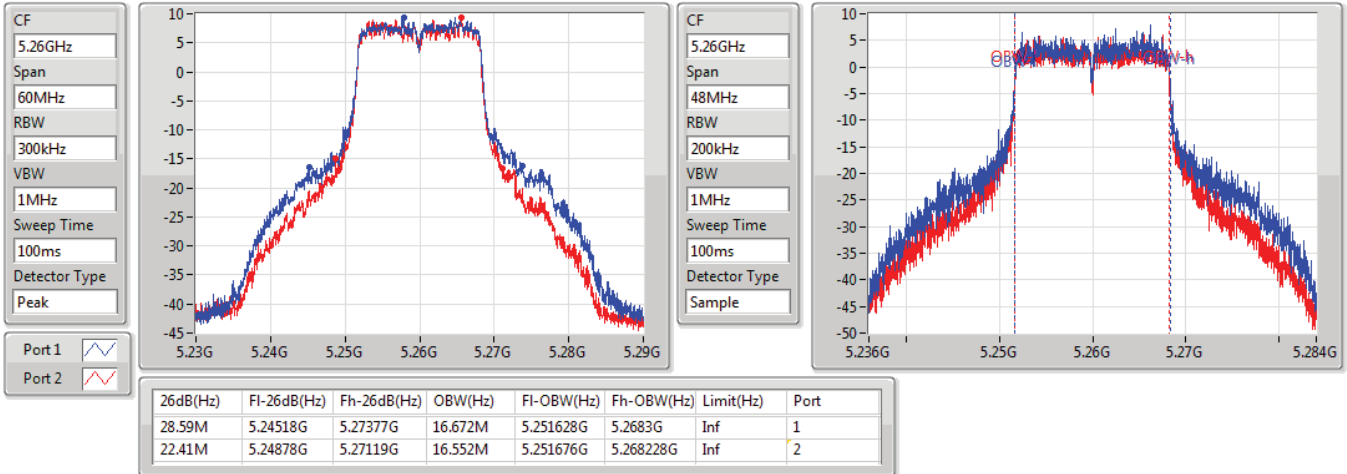
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

02/04/2020

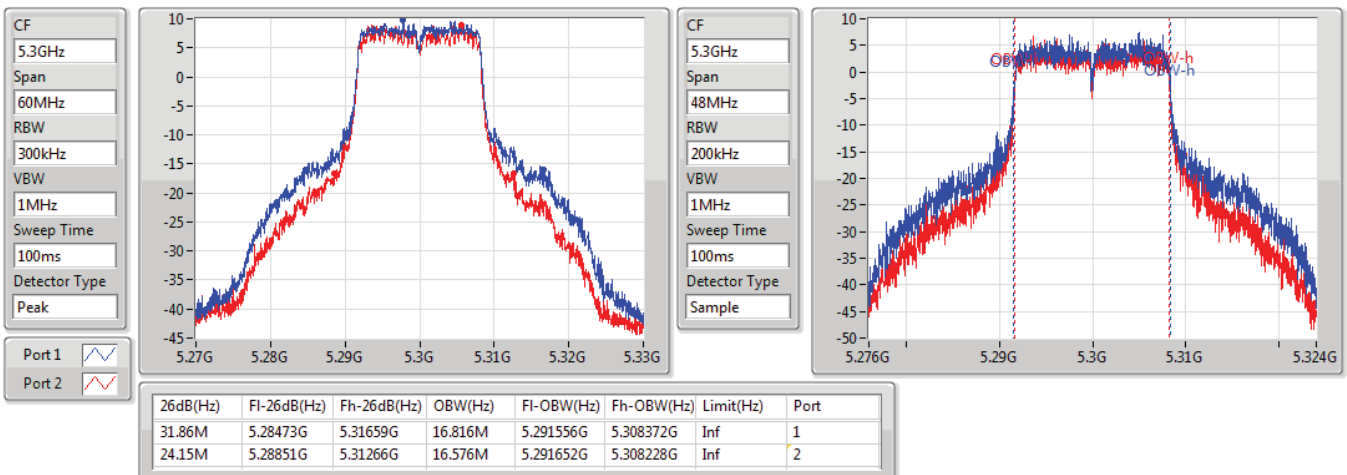


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

02/04/2020

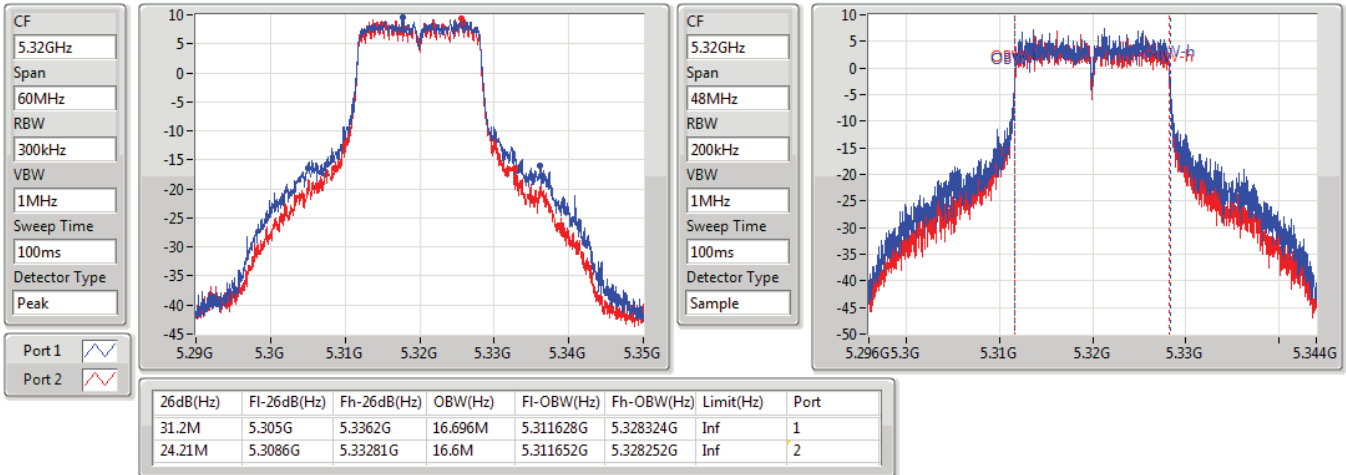


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

02/04/2020

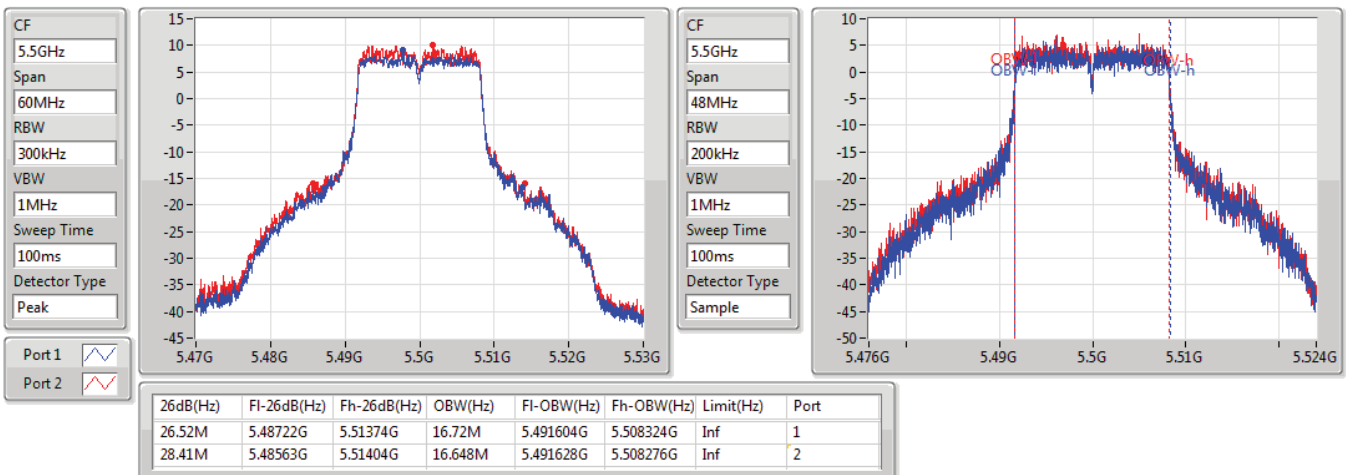


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

02/04/2020

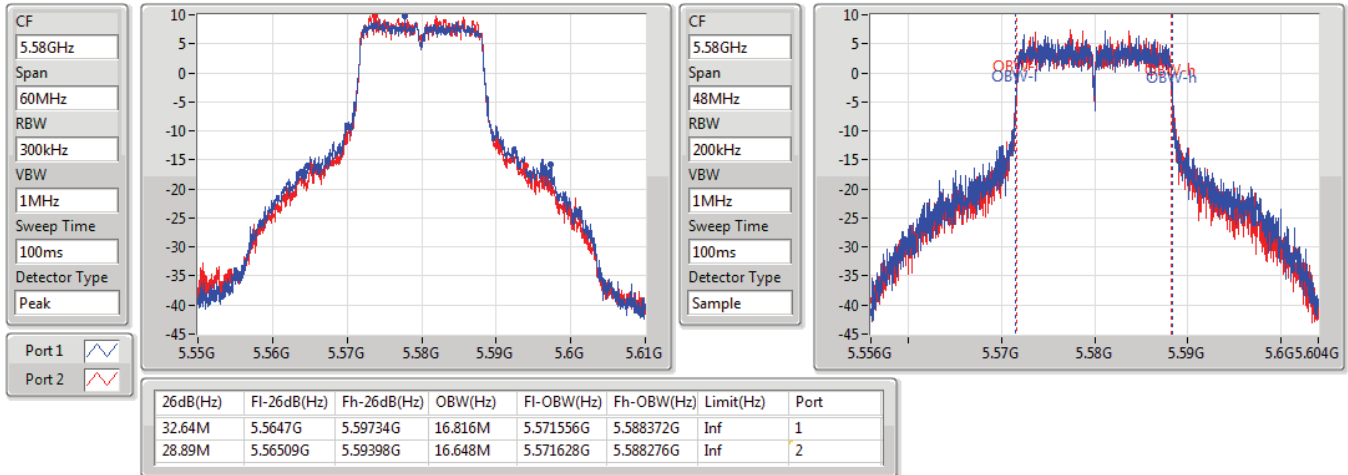


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

02/04/2020

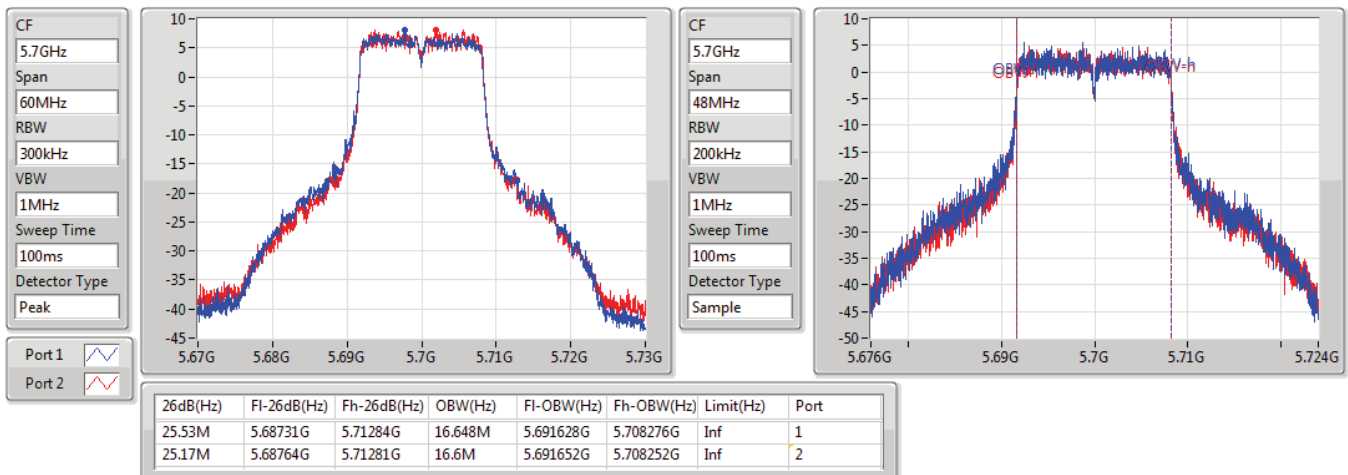


802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

02/04/2020

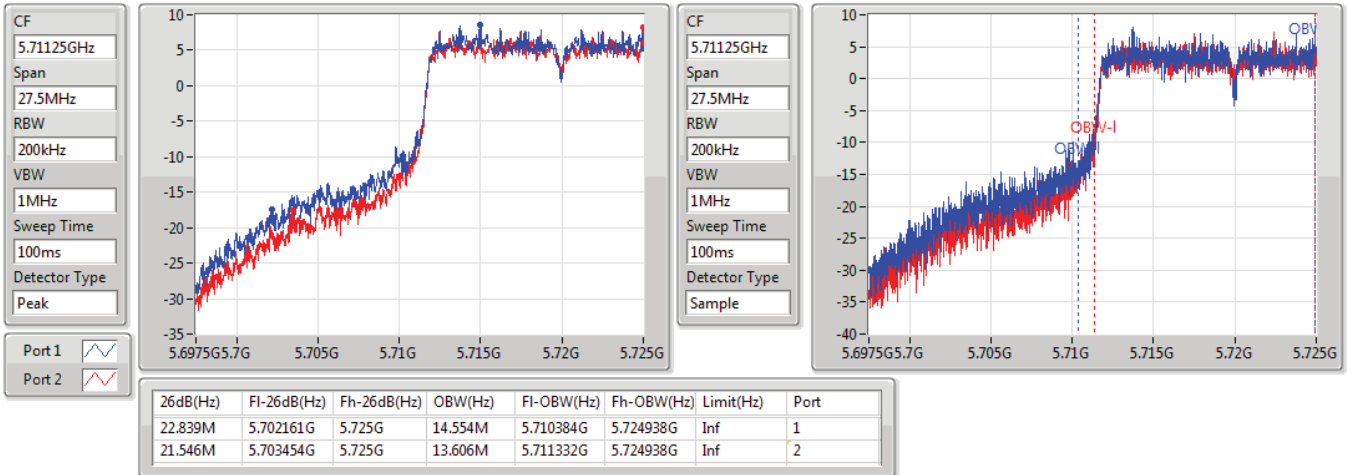


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/04/2020

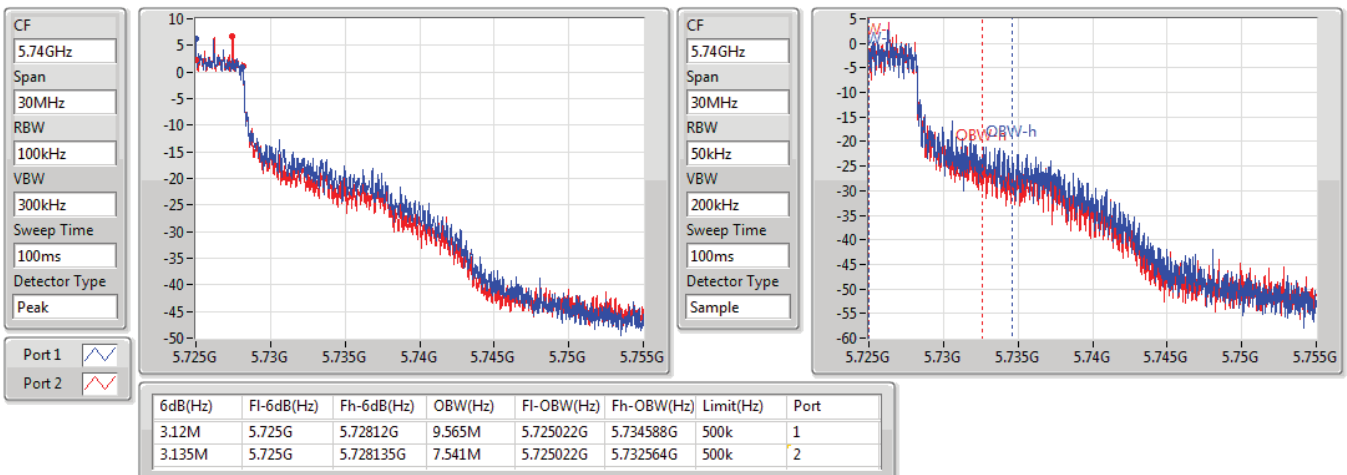


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/04/2020

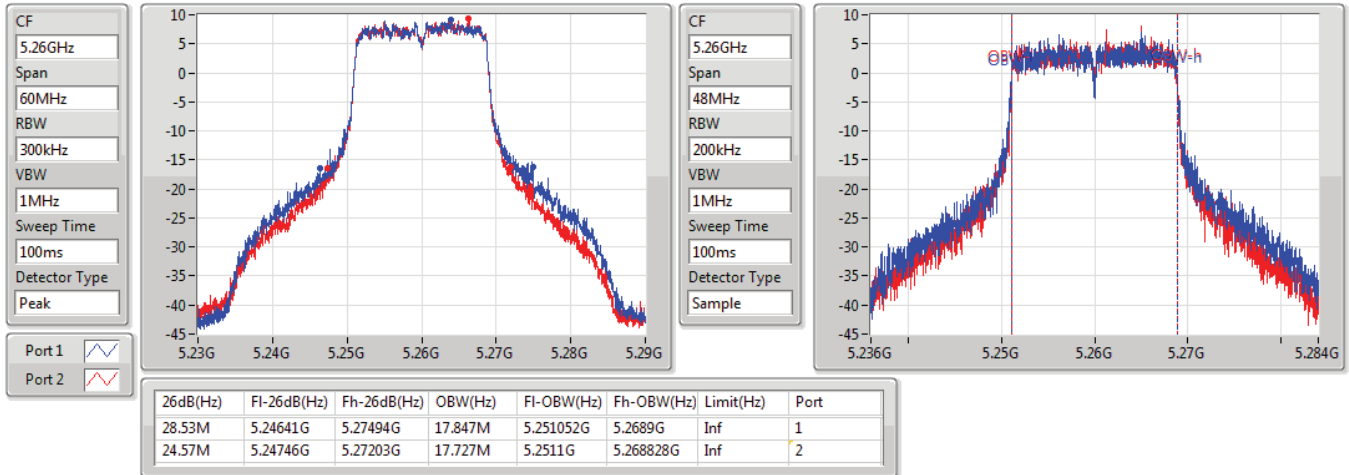


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

02/04/2020

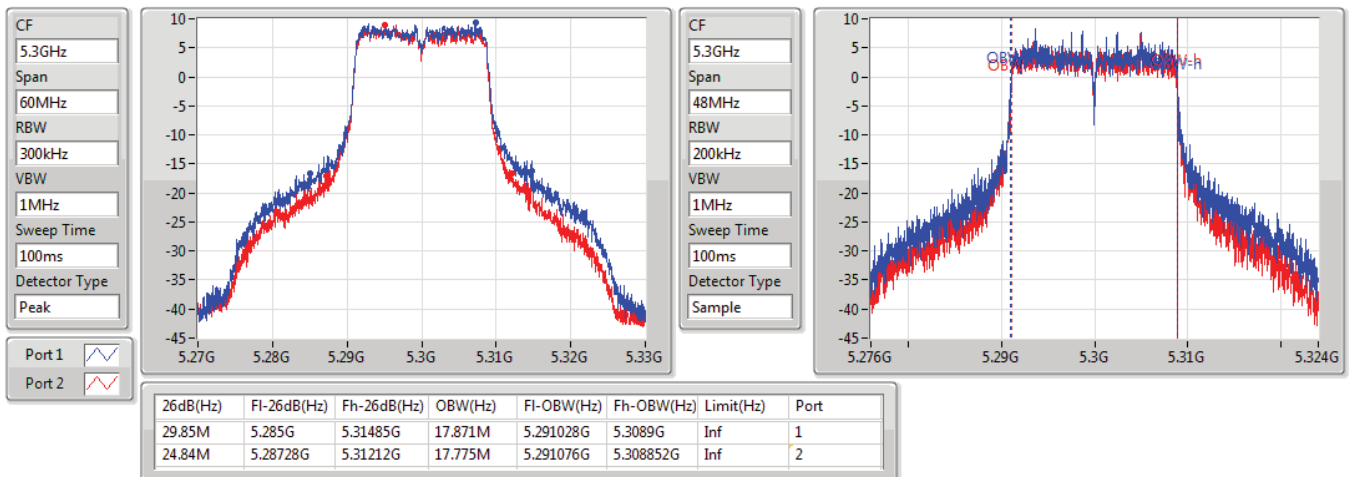


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

02/04/2020

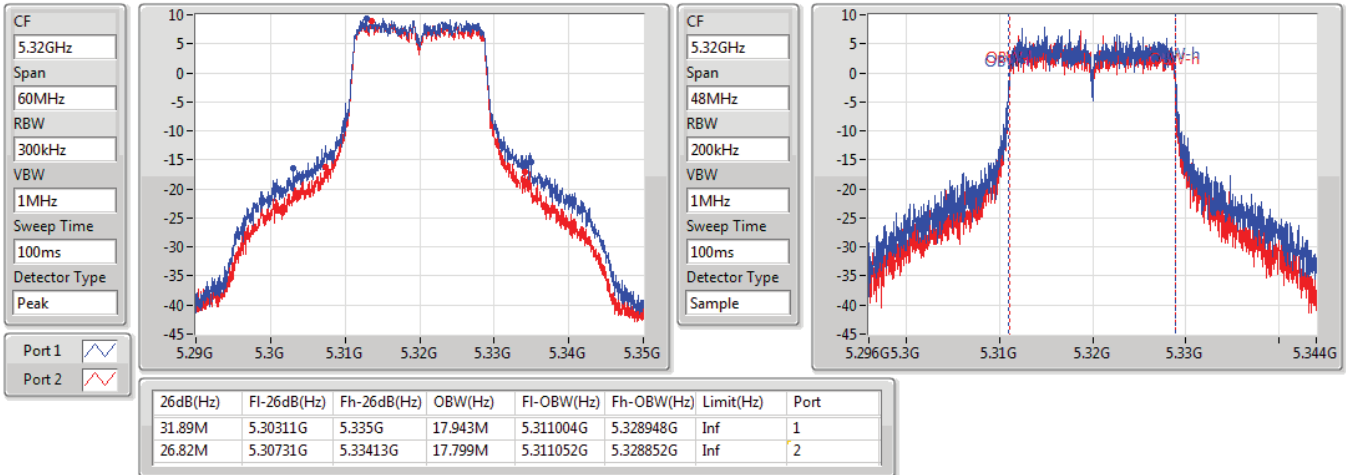


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

02/04/2020

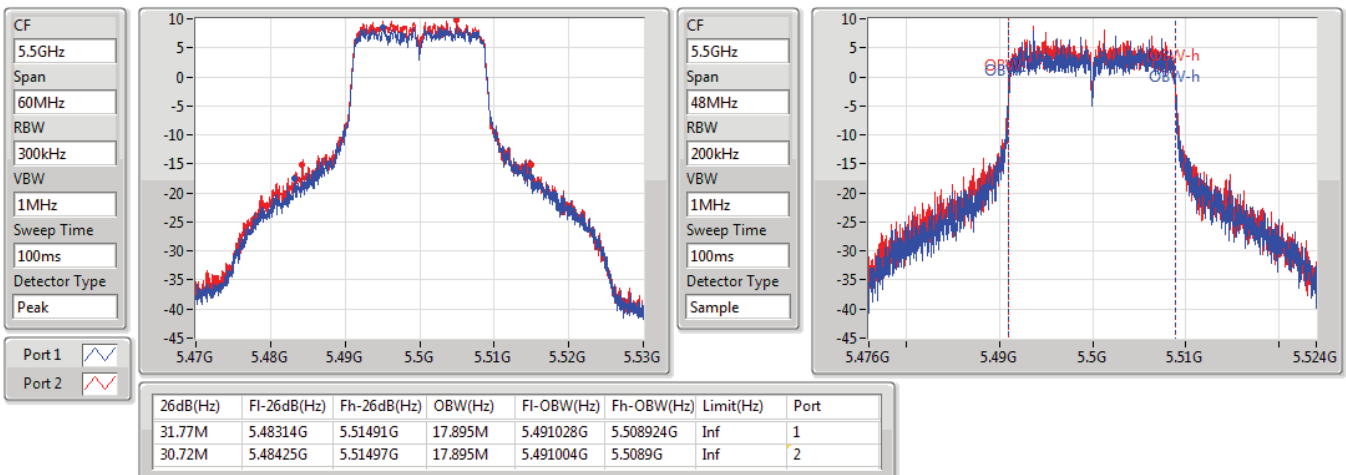


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

02/04/2020

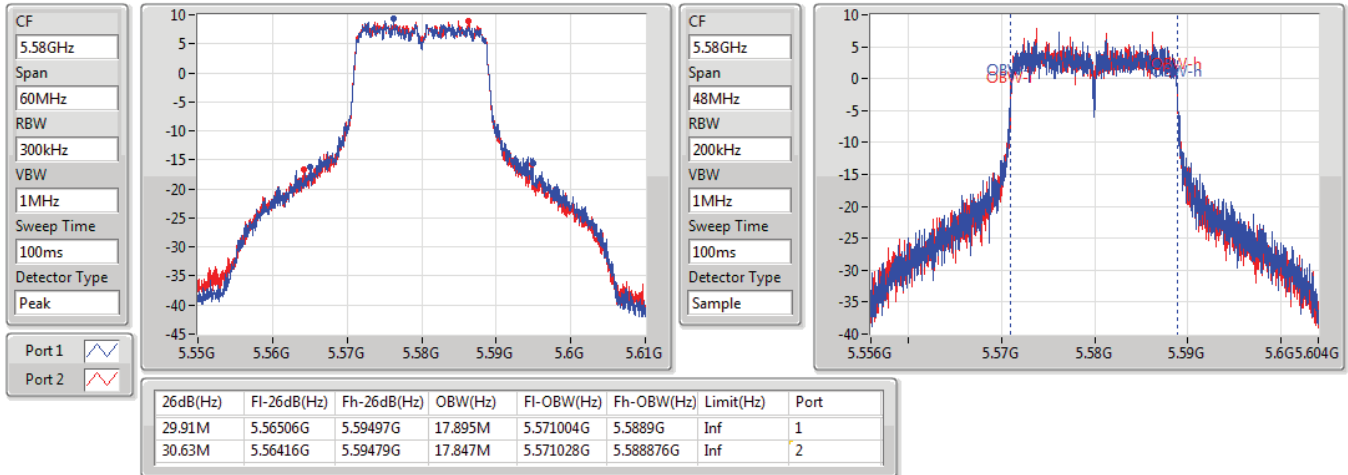


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

02/04/2020

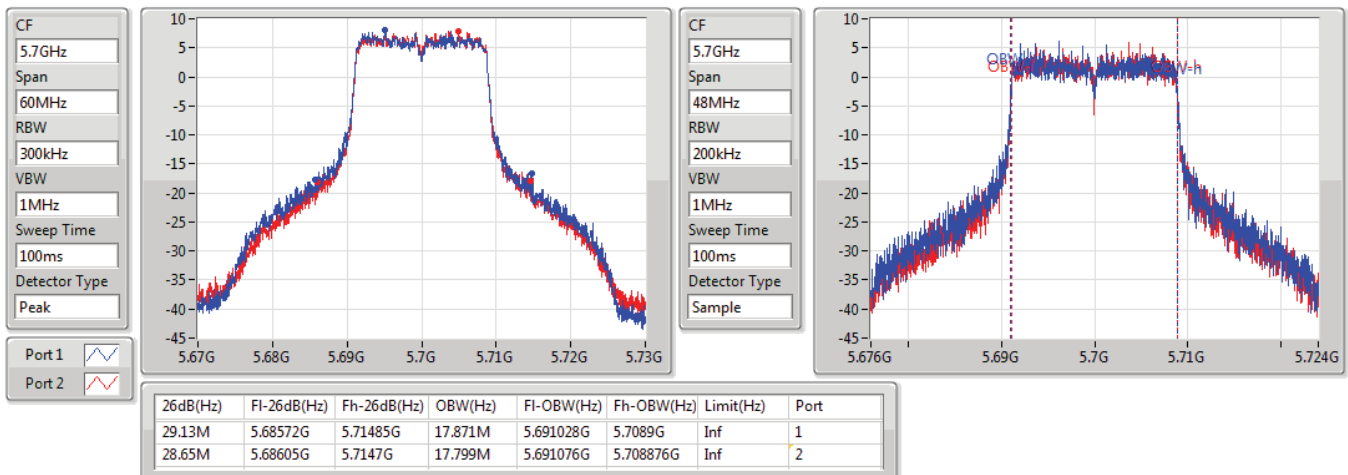


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

02/04/2020

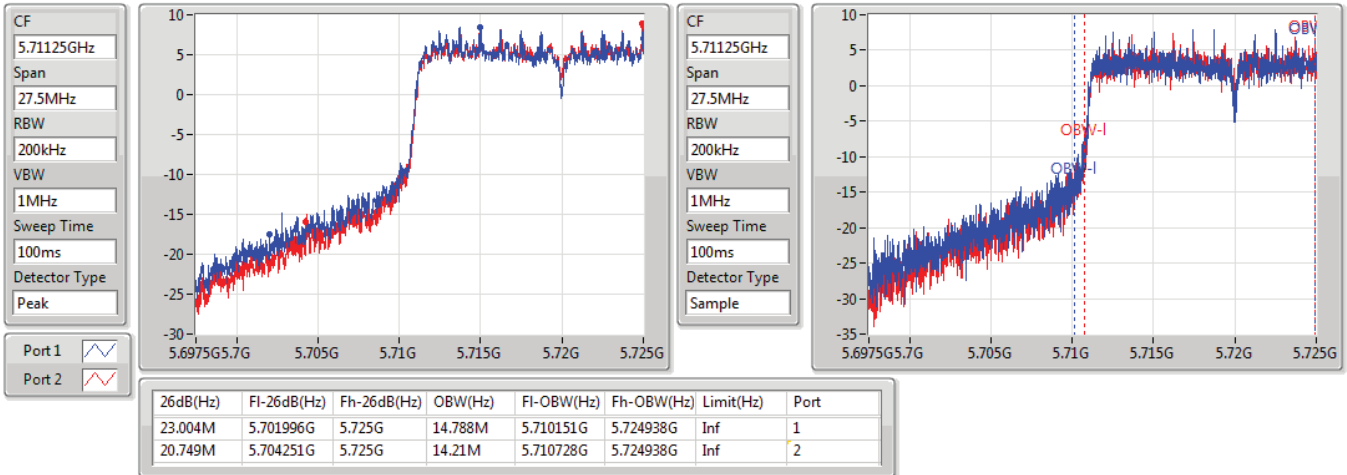


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/04/2020

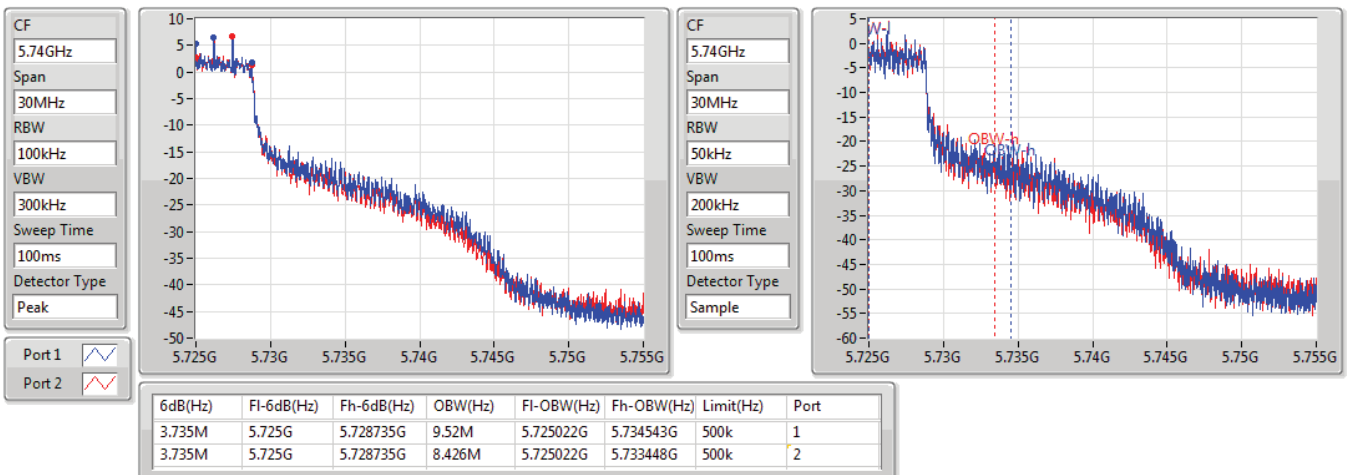


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/04/2020

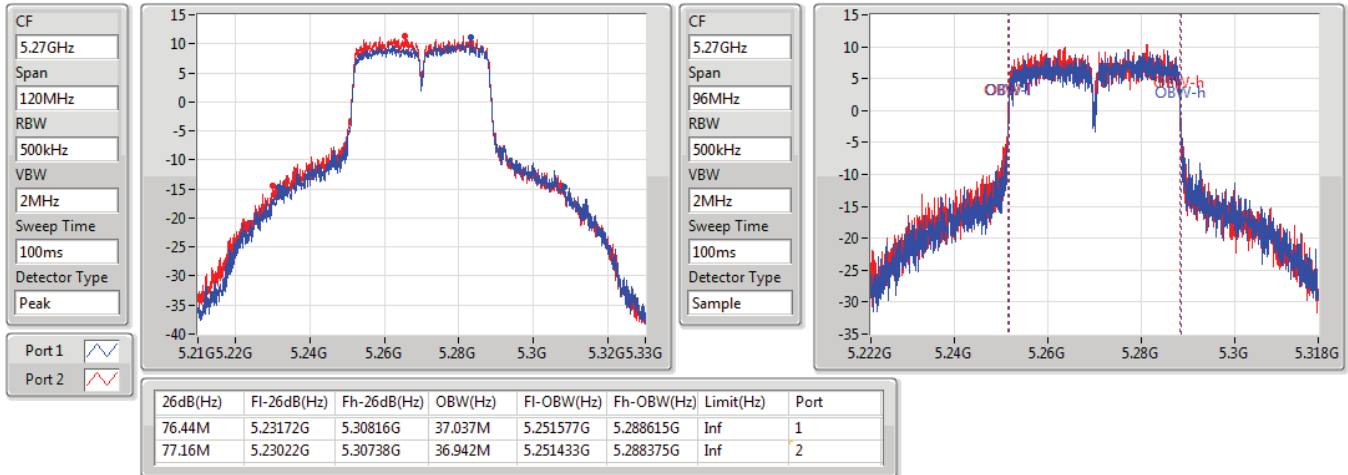


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

02/04/2020

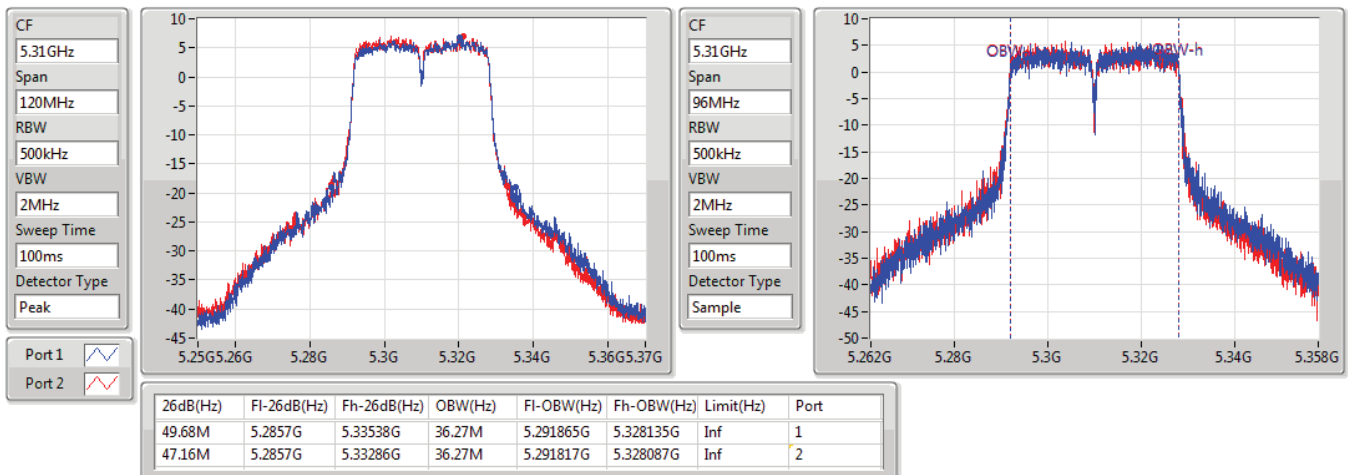


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

02/04/2020

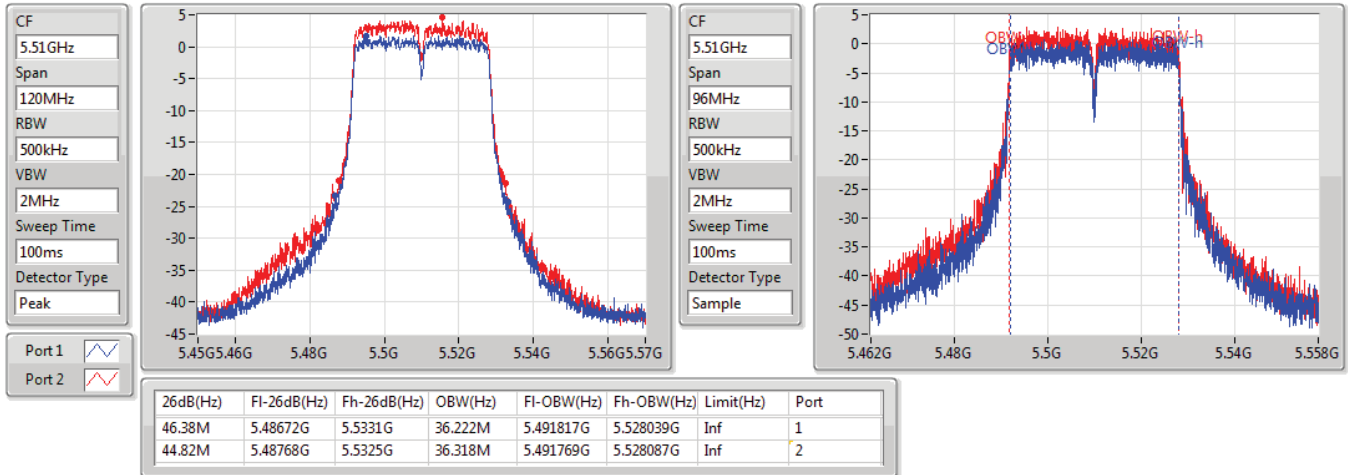


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

02/04/2020

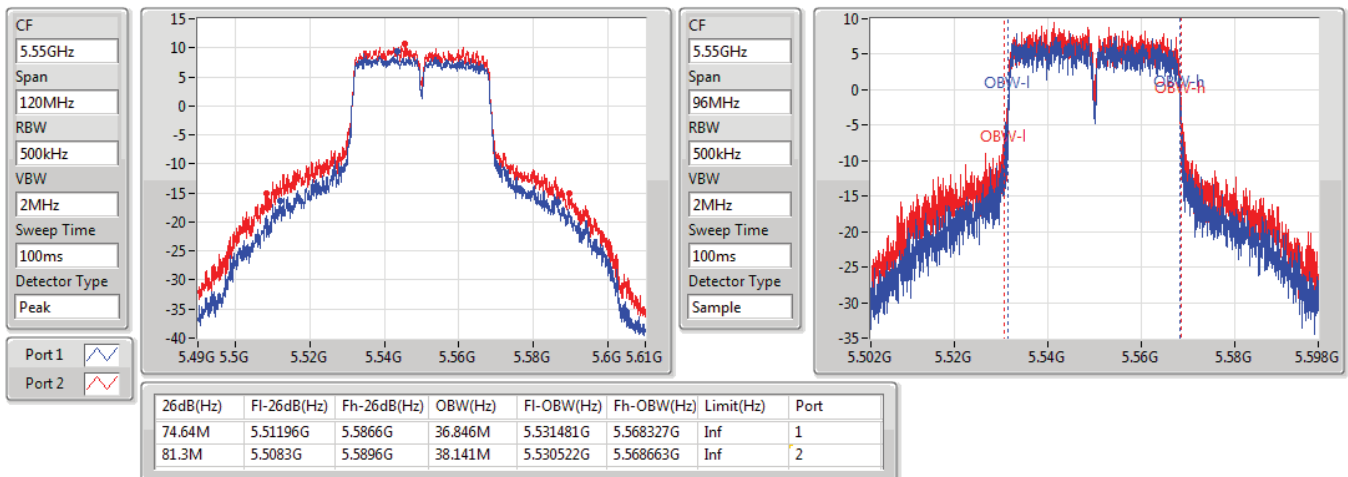


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

02/04/2020

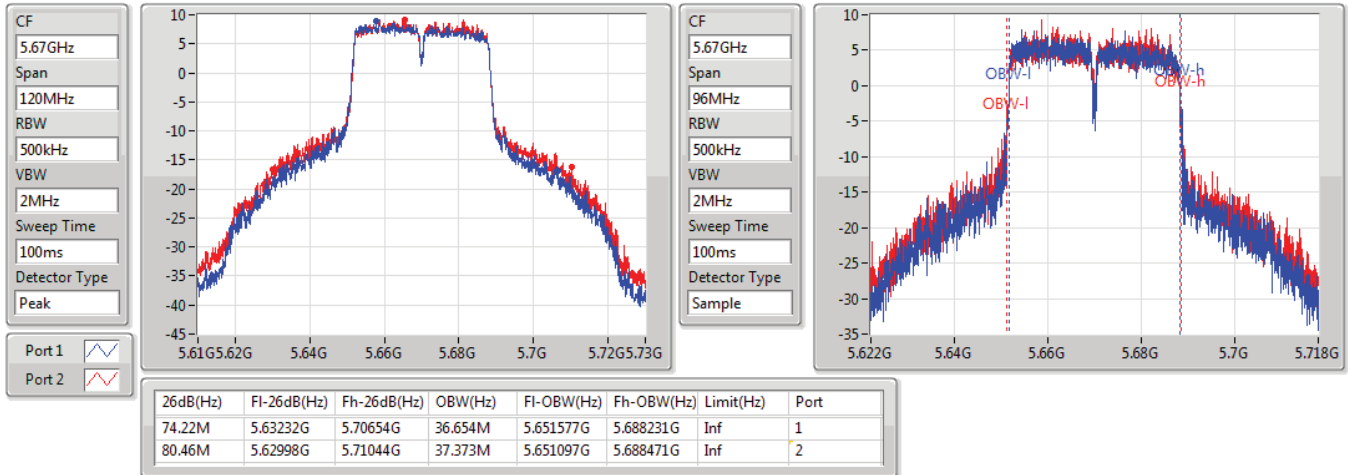


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

02/04/2020

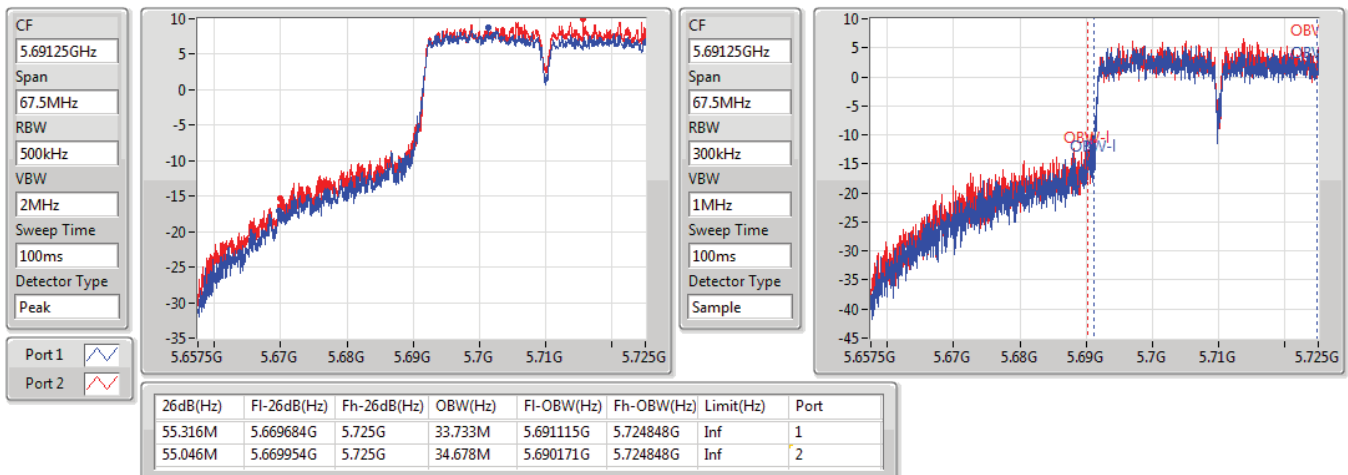


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

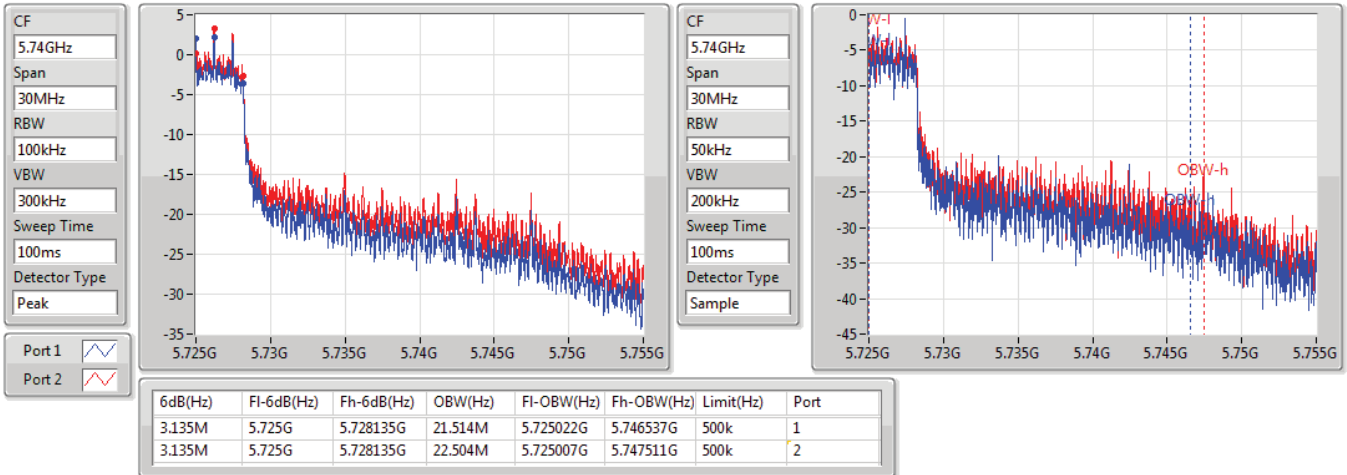
5710MHz Straddle 5.47-5.725GHz

02/04/2020

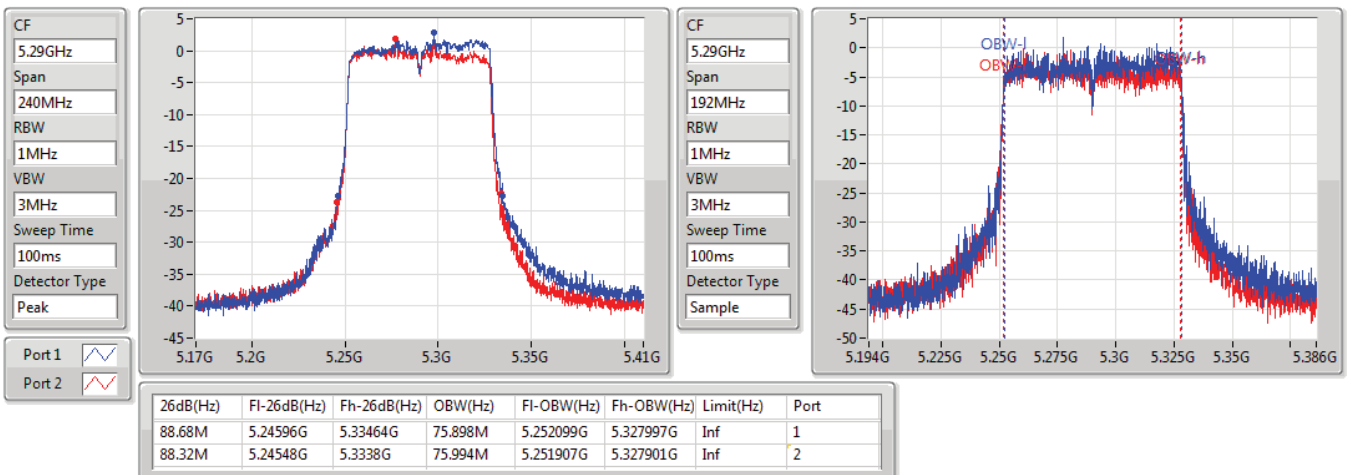


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

02/04/2020


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

02/04/2020

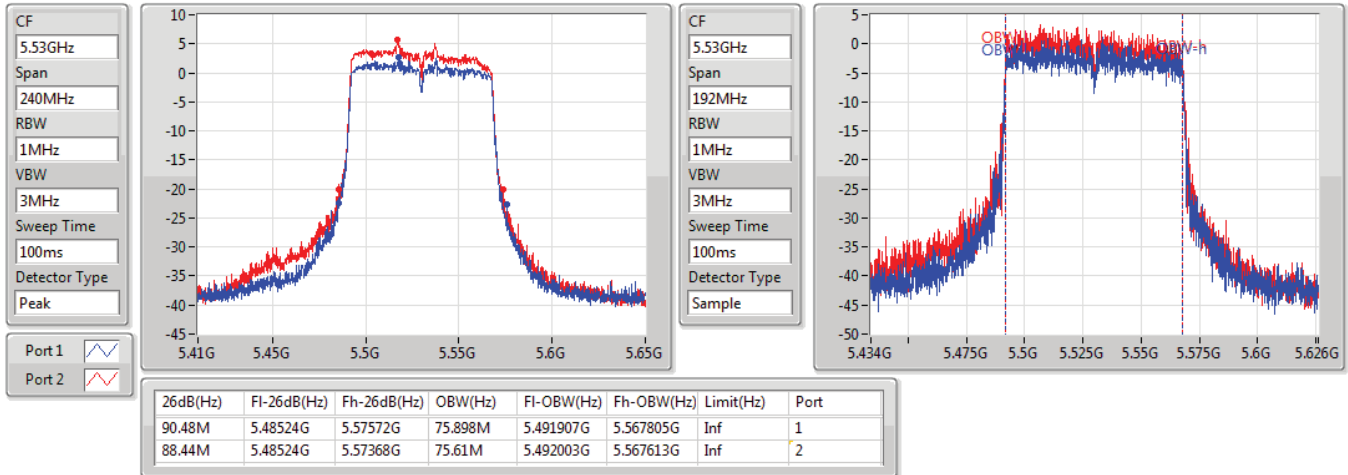


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

02/04/2020

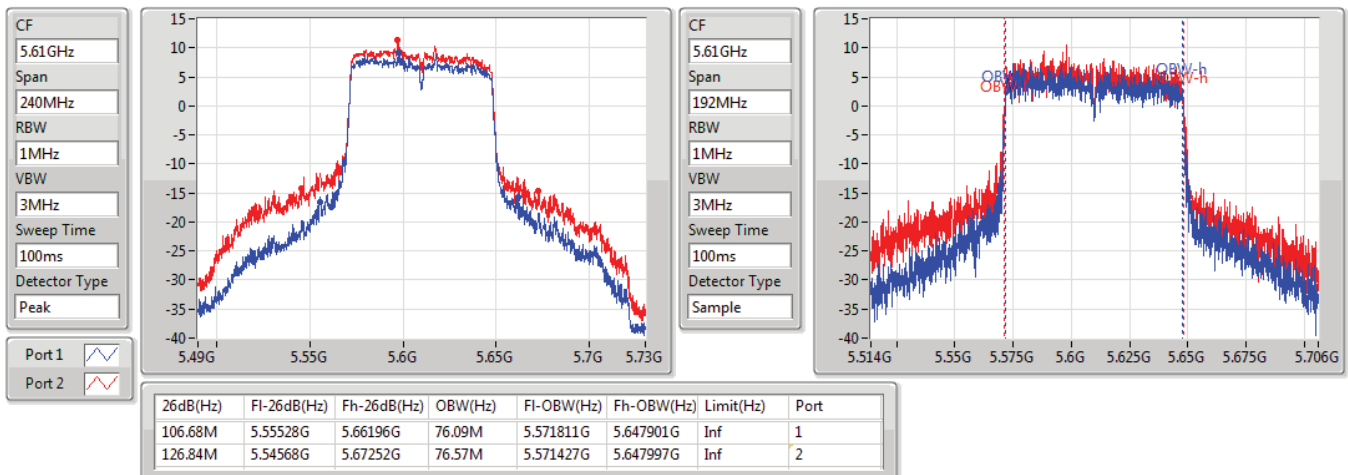


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

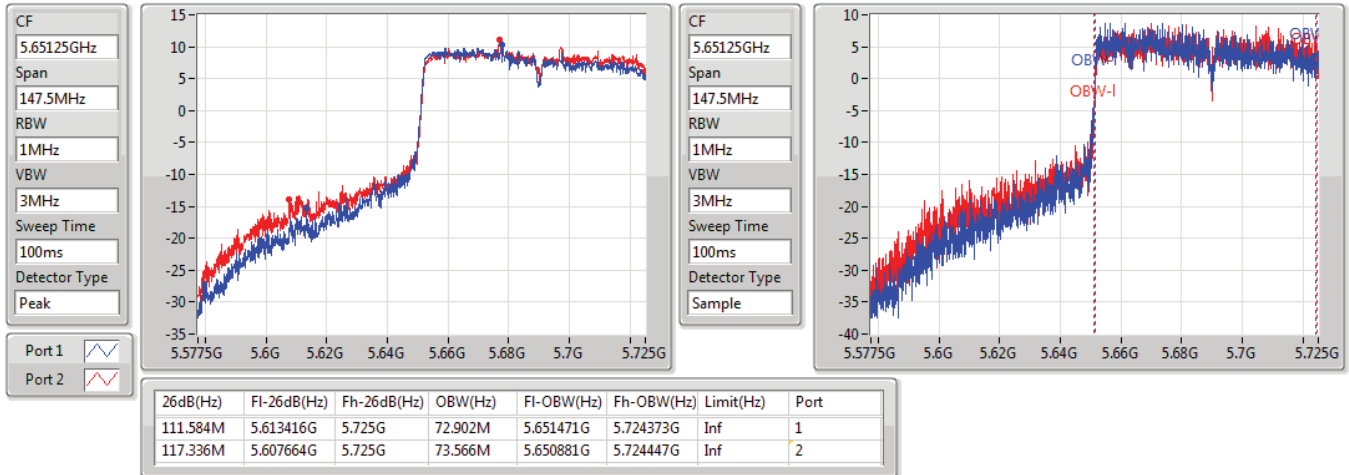
5610MHz

02/04/2020

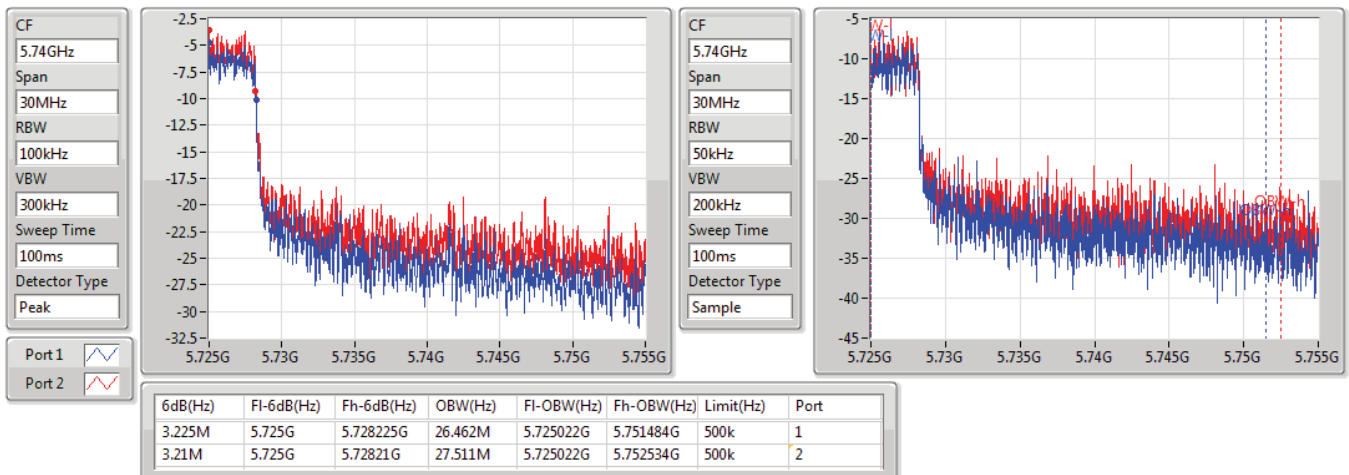


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

02/04/2020


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

02/04/2020





Average Power
Non-Beamforming Indoor Sample 1 Radio 1

Appendix B.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	21.20	0.13183	26.74	0.47206
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	22.71	0.18664	28.25	0.66834
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.02	0.06339	24.00	0.25119
802.11ac VHT20_Nss1,(MCS0)_4TX	17.86	0.06109	23.84	0.24210
802.11ac VHT40_Nss1,(MCS0)_4TX	21.37	0.13709	27.35	0.54325
802.11ac VHT80_Nss1,(MCS0)_4TX	23.06	0.20230	29.04	0.80168
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	23.12	0.20512	29.10	0.81283
802.11ax HEW20_Nss1,(MCS0)_4TX	18.14	0.06516	24.12	0.25823
802.11ax HEW40_Nss1,(MCS0)_4TX	21.60	0.14454	27.58	0.57280
802.11ax HEW80_Nss1,(MCS0)_4TX	23.18	0.20797	29.16	0.82414
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	23.26	0.21184	29.24	0.83946
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	17.88	0.06138	23.86	0.24322
802.11ac VHT20_Nss1,(MCS0)_4TX	17.65	0.05821	23.63	0.23067
802.11ac VHT40_Nss1,(MCS0)_4TX	21.37	0.13709	27.35	0.54325
802.11ac VHT80_Nss1,(MCS0)_4TX	23.00	0.19953	28.98	0.79068
802.11ac VHT80+80_Nss1,(MCS0)_4TX	23.36	0.21677	29.34	0.85901
802.11ax HEW20_Nss1,(MCS0)_4TX	18.39	0.06902	24.37	0.27353
802.11ax HEW40_Nss1,(MCS0)_4TX	21.58	0.14388	27.56	0.57016
802.11ax HEW80_Nss1,(MCS0)_4TX	23.14	0.20606	29.12	0.81658
802.11ax HEW80+80_Nss1,(MCS0)_4TX	23.42	0.21979	29.40	0.87096
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	10.23	0.01054	16.21	0.04178
802.11ac VHT20_Nss1,(MCS0)_4TX	11.10	0.01288	17.08	0.05105
802.11ac VHT40_Nss1,(MCS0)_4TX	9.55	0.00902	15.53	0.03573
802.11ac VHT80_Nss1,(MCS0)_4TX	7.36	0.00545	13.34	0.02158
802.11ax HEW20_Nss1,(MCS0)_4TX	11.84	0.01528	17.82	0.06053
802.11ax HEW40_Nss1,(MCS0)_4TX	10.51	0.01125	16.49	0.04457
802.11ax HEW80_Nss1,(MCS0)_4TX	8.49	0.00706	14.47	0.02799



Average Power
Non-Beamforming Indoor Sample 1 Radio 1

Appendix B.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	11.48	11.43	12.03	12.42	17.88	23.81	23.86	29.81
5300MHz	Pass	5.98	11.40	11.72	11.88	12.54	17.93	23.76	23.91	29.76
5320MHz	Pass	5.98	11.64	11.84	11.98	12.49	18.02	23.80	24.00	29.80
5500MHz	Pass	5.98	12.15	11.31	12.01	11.92	17.88	23.76	23.86	29.76
5580MHz	Pass	5.98	11.88	11.11	12.06	11.69	17.72	23.77	23.70	29.77
5700MHz	Pass	5.98	11.43	11.16	12.22	12.22	17.80	23.72	23.78	29.72
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	10.82	10.56	10.83	11.35	16.92	22.62	22.90	28.62
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	3.52	3.70	4.88	4.58	10.23	30.00	16.21	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	11.15	11.32	11.64	12.39	17.67	23.98	23.65	30.00
5300MHz	Pass	5.98	11.14	11.58	11.93	12.29	17.78	23.98	23.76	30.00
5320MHz	Pass	5.98	11.63	11.61	11.74	12.33	17.86	23.98	23.84	30.00
5500MHz	Pass	5.98	11.81	11.04	11.71	11.90	17.65	23.98	23.63	30.00
5580MHz	Pass	5.98	11.77	10.93	11.94	11.62	17.60	24.00	23.58	30.00
5700MHz	Pass	5.98	11.33	11.00	11.98	12.09	17.64	23.97	23.62	29.97
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	11.12	10.91	11.33	11.50	17.24	22.74	23.22	28.74
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	4.77	4.79	4.83	5.84	11.10	30.00	17.08	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.98	14.89	14.99	15.18	16.19	21.37	23.98	27.35	30.00
5310MHz	Pass	5.98	14.68	14.77	14.66	14.79	20.75	23.98	26.73	30.00
5510MHz	Pass	5.98	15.31	14.70	15.53	15.79	21.37	23.98	27.35	30.00
5550MHz	Pass	5.98	15.23	14.53	15.18	15.95	21.27	23.98	27.25	30.00
5670MHz	Pass	5.98	15.47	14.25	15.33	15.44	21.17	23.98	27.15	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	14.69	14.11	14.90	15.22	20.77	23.98	26.75	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.98	3.66	2.60	3.50	4.21	9.55	30.00	15.53	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.98	16.59	16.71	17.04	17.73	23.06	23.98	29.04	30.00
5530MHz	Pass	5.98	16.45	16.43	17.06	17.62	22.94	23.98	28.92	30.00
5610MHz	Pass	5.98	16.68	16.52	17.08	17.55	23.00	23.98	28.98	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	16.85	16.19	17.05	17.03	22.81	23.98	28.79	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.98	1.59	0.56	1.45	1.66	7.36	30.00	13.34	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.54	19.41	16.50			21.20	30.00	26.74	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	5.98			19.50	20.65	23.12	23.98	29.10	30.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	5.98	16.83	17.21	17.00	18.18	23.36	23.98	29.34	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	11.43	11.52	12.01	12.54	17.92	23.98	23.90	30.00
5300MHz	Pass	5.98	11.57	11.90	12.00	12.68	18.08	23.98	24.06	30.00
5320MHz	Pass	5.98	12.00	11.83	12.05	12.57	18.14	23.98	24.12	30.00
5500MHz	Pass	5.98	12.13	11.24	12.15	11.96	17.91	23.98	23.89	30.00



Average Power
Non-Beamforming Indoor Sample 1 Radio 1

Appendix B.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5580MHz	Pass	5.98	11.98	11.05	11.75	12.06	17.75	23.98	23.73	30.00
5700MHz	Pass	5.98	11.93	11.91	12.74	12.83	18.39	23.98	24.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	11.32	11.02	11.77	11.75	17.50	22.88	23.48	28.88
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	5.23	5.38	5.94	6.60	11.84	30.00	17.82	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.98	15.12	15.25	15.50	16.34	21.60	23.98	27.58	30.00
5310MHz	Pass	5.98	15.10	15.06	11.34	16.17	20.77	23.98	26.75	30.00
5510MHz	Pass	5.98	15.49	14.68	15.64	15.80	21.44	23.98	27.42	30.00
5550MHz	Pass	5.98	15.56	14.86	15.64	16.09	21.58	23.98	27.56	30.00
5670MHz	Pass	5.98	15.63	14.36	15.48	15.63	21.33	23.98	27.31	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	14.92	14.28	15.03	15.34	20.93	23.98	26.91	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.98	4.87	3.41	4.45	5.05	10.51	30.00	16.49	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.98	16.61	16.84	17.11	17.97	23.18	23.98	29.16	30.00
5530MHz	Pass	5.98	16.65	16.48	17.16	17.73	23.05	23.98	29.03	30.00
5610MHz	Pass	5.98	16.84	16.74	17.17	17.66	23.14	23.98	29.12	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	17.08	16.37	17.32	17.24	23.04	23.98	29.02	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.98	2.95	1.51	2.53	2.77	8.49	30.00	14.47	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.54	19.10	20.23			22.71	30.00	28.25	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	5.98			19.70	20.73	23.26	23.98	29.24	30.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	5.98	17.03	16.57	17.28	18.49	23.42	23.98	29.40	30.00

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

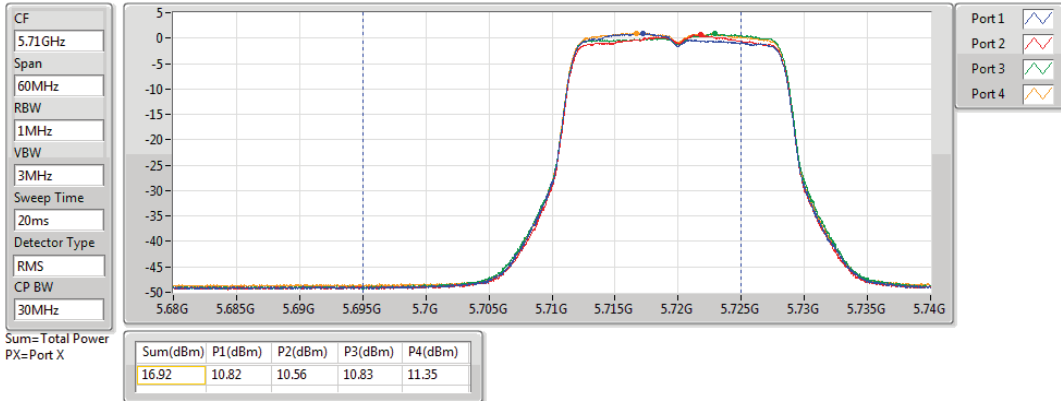


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

11/03/2020

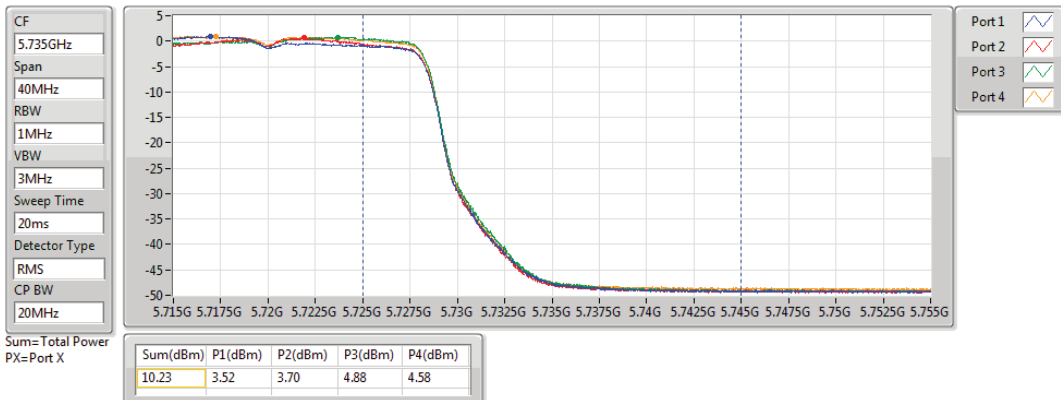


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

11/03/2020

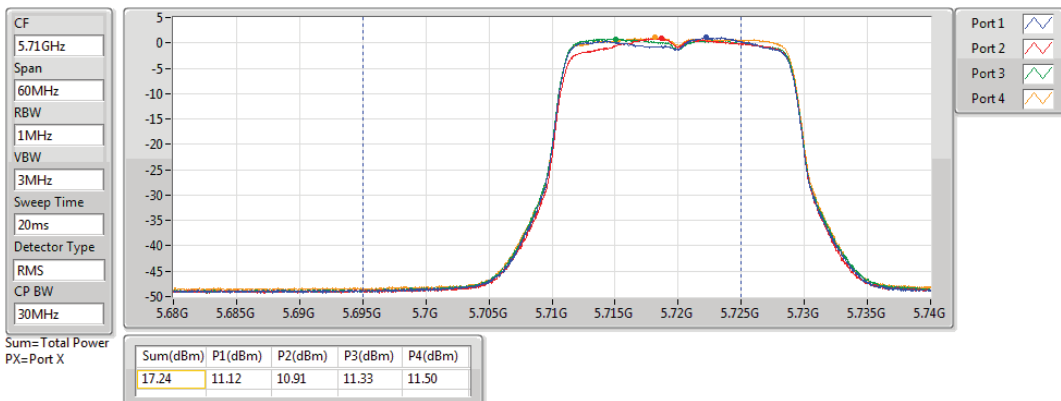


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

11/03/2020



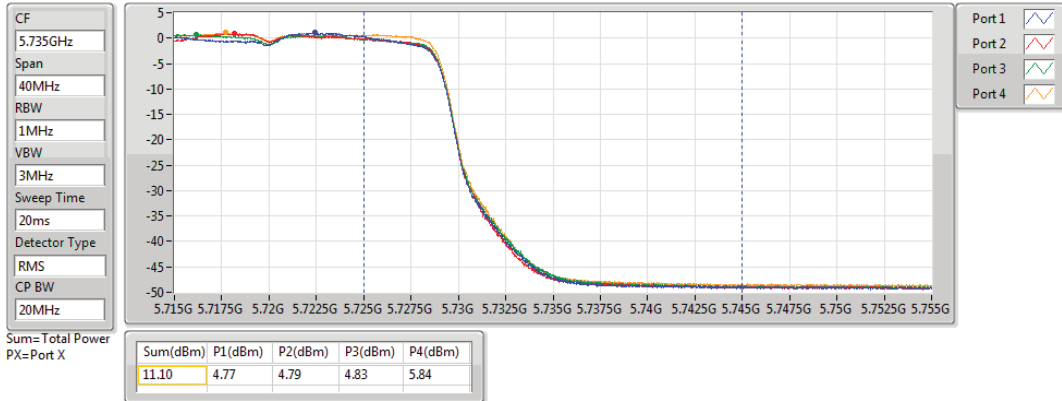


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

11/03/2020

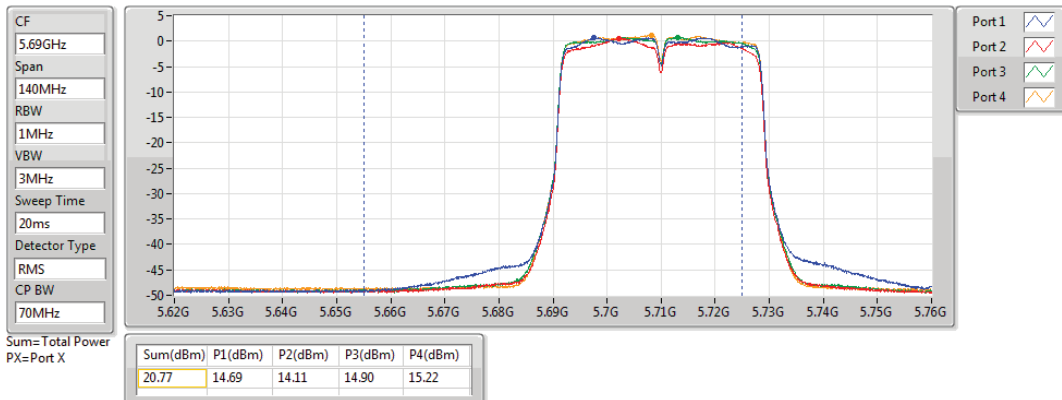


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

12/03/2020

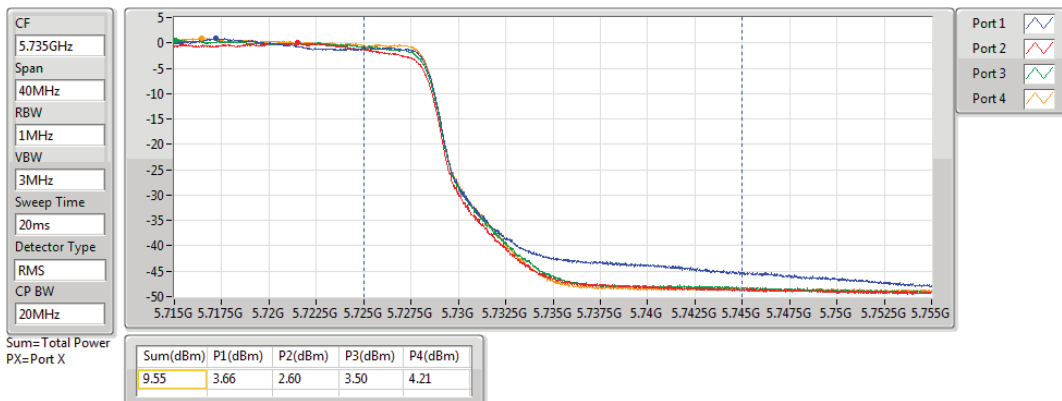


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

12/03/2020



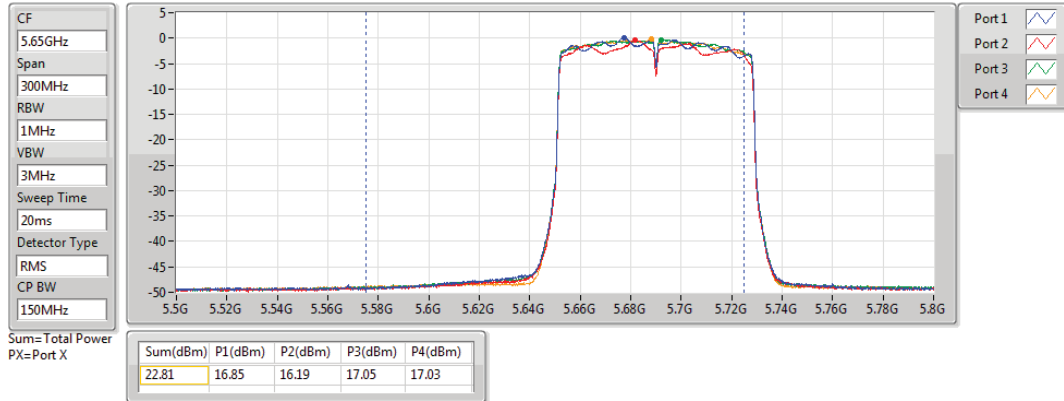


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

12/03/2020

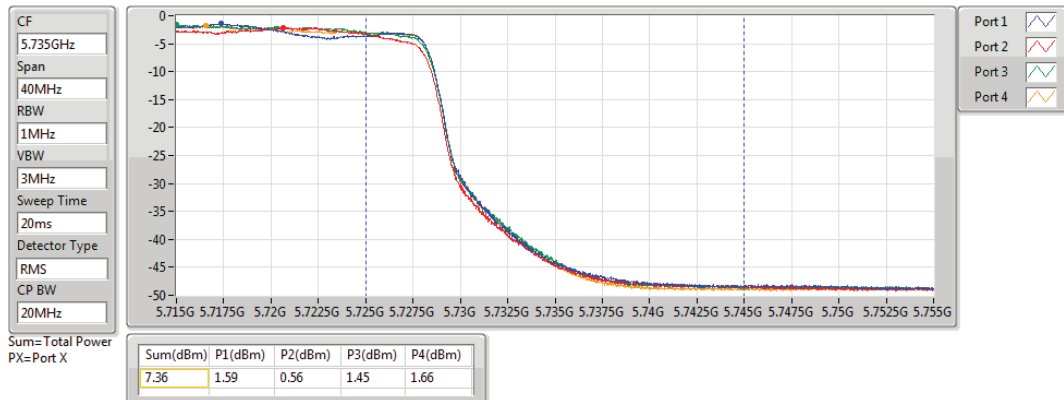


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

12/03/2020

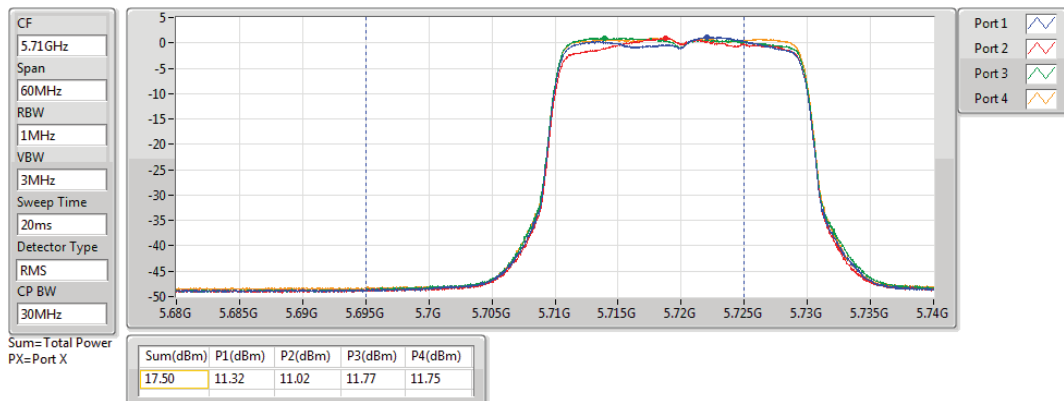


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

11/03/2020



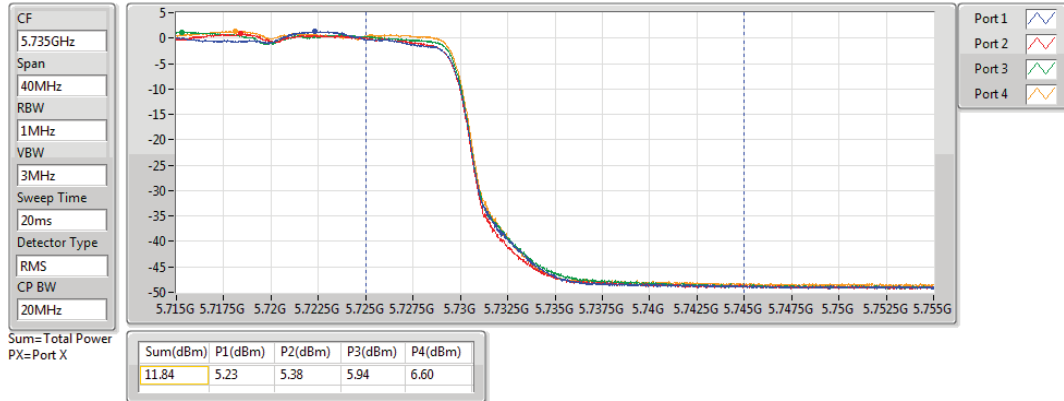


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

11/03/2020

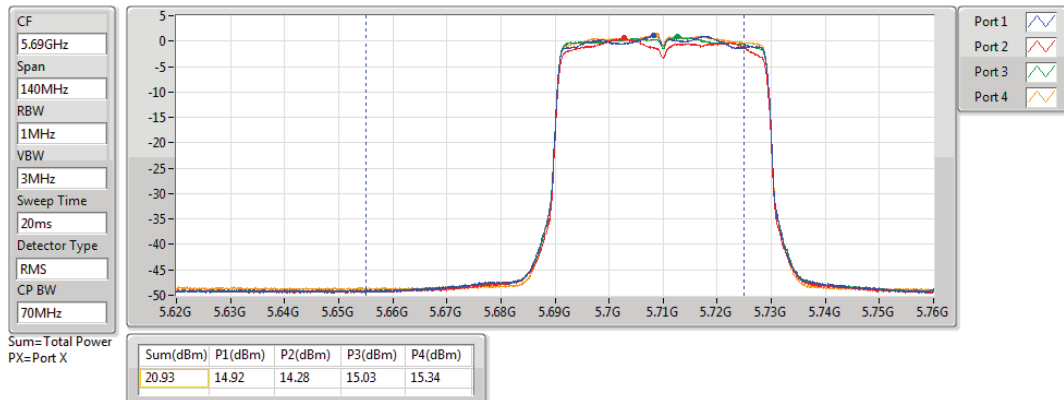


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

12/03/2020

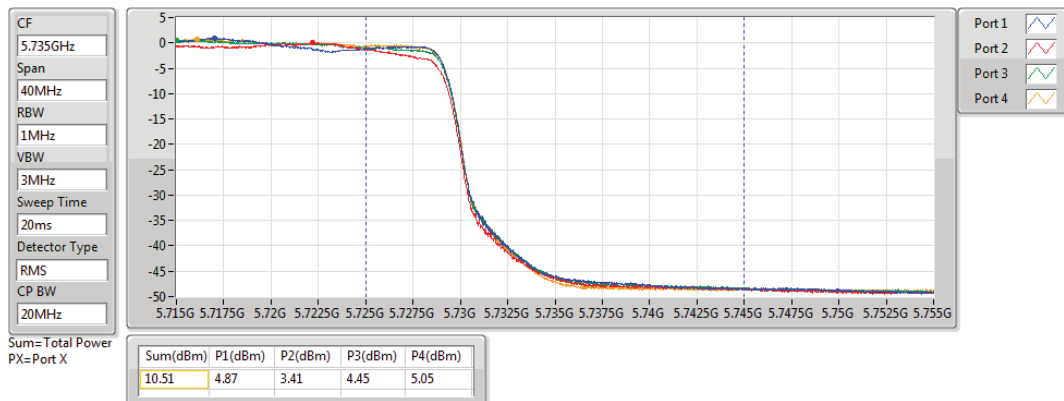


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

12/03/2020



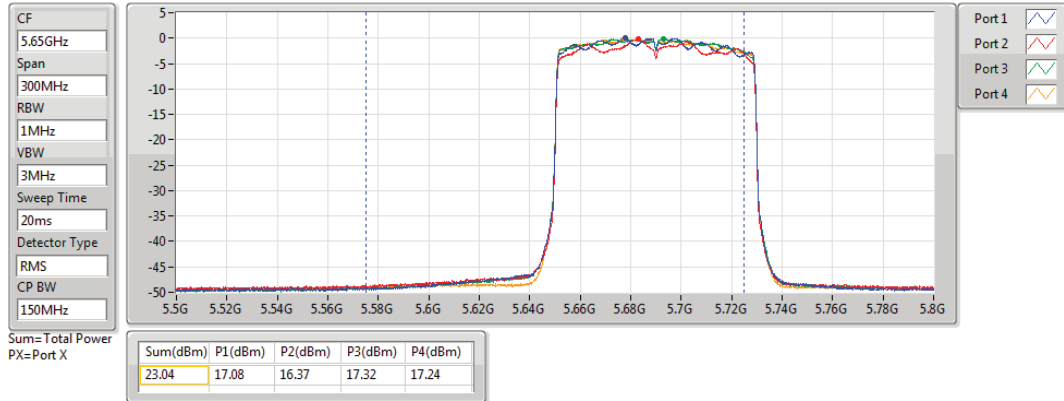


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

12/03/2020

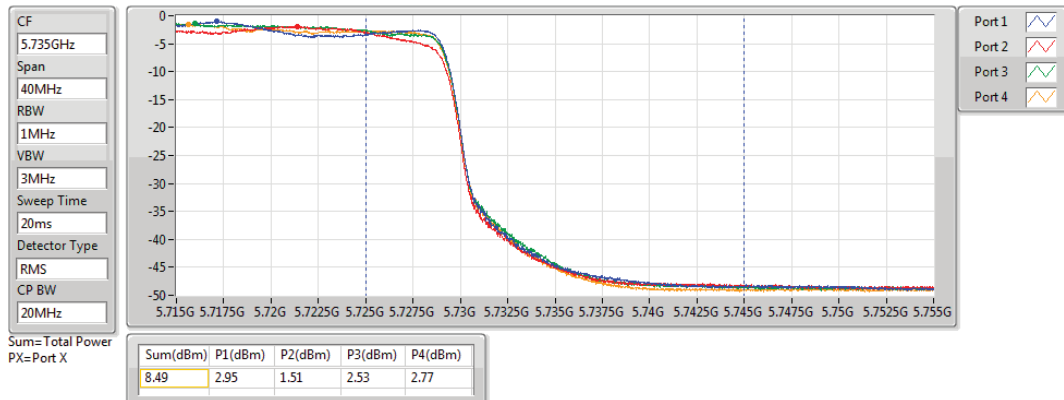


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

12/03/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	18.19	0.06592	26.74	0.47206
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	19.70	0.09333	28.25	0.66834
5.25-5.35GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	12.17	0.01648	23.84	0.24210
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	15.68	0.03698	27.35	0.54325
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.37	0.05458	29.04	0.80168
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	20.33	0.10789	29.10	0.81283
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	12.45	0.01758	24.12	0.25823
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	15.91	0.03899	27.58	0.57280
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.49	0.05610	29.16	0.82414
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	20.47	0.11143	29.24	0.83946
5.47-5.725GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	11.96	0.01570	23.63	0.23067
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	15.68	0.03698	27.35	0.54325
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.31	0.05383	28.98	0.79068
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	17.67	0.05848	29.34	0.85901
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	12.70	0.01862	24.37	0.27353
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	15.89	0.03882	27.56	0.57016
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.45	0.05559	29.12	0.81658
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	17.73	0.05929	29.40	0.87096
5.725-5.85GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	5.41	0.00348	17.08	0.05105
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	3.86	0.00243	15.53	0.03573
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	1.67	0.00147	13.34	0.02158
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	6.15	0.00412	17.82	0.06053
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	4.82	0.00303	16.49	0.04457
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	2.80	0.00191	14.47	0.02799



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	5.46	5.63	5.95	6.70	11.98	18.31	23.65	30.00
5300MHz	Pass	11.67	5.45	5.89	6.24	6.60	12.09	18.31	23.76	30.00
5320MHz	Pass	11.67	5.94	5.92	6.05	6.64	12.17	18.31	23.84	30.00
5500MHz	Pass	11.67	6.12	5.35	6.02	6.21	11.96	18.31	23.63	30.00
5580MHz	Pass	11.67	6.08	5.24	6.25	5.93	11.91	18.33	23.58	30.00
5700MHz	Pass	11.67	5.64	5.31	6.29	6.40	11.95	18.30	23.62	29.97
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	5.43	5.22	5.64	5.81	11.55	17.07	23.22	28.74
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-0.92	-0.90	-0.86	0.15	5.41	24.33	17.08	36.00
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	9.20	9.30	9.49	10.50	15.68	18.31	27.35	30.00
5310MHz	Pass	11.67	8.99	9.08	8.97	9.10	15.06	18.31	26.73	30.00
5510MHz	Pass	11.67	9.62	9.01	9.84	10.10	15.68	18.31	27.35	30.00
5550MHz	Pass	11.67	9.54	8.84	9.49	10.26	15.58	18.31	27.25	30.00
5670MHz	Pass	11.67	9.78	8.56	9.64	9.75	15.48	18.31	27.15	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	9.00	8.42	9.21	9.53	15.08	18.31	26.75	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-2.03	-3.09	-2.19	-1.48	3.86	24.33	15.53	36.00
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	10.90	11.02	11.35	12.04	17.37	18.31	29.04	30.00
5530MHz	Pass	11.67	10.76	10.74	11.37	11.93	17.25	18.31	28.92	30.00
5610MHz	Pass	11.67	10.99	10.83	11.39	11.86	17.31	18.31	28.98	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	11.16	10.50	11.36	11.34	17.12	18.31	28.79	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-4.10	-5.13	-4.24	-4.03	1.67	24.33	13.34	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,#5290MHz	Pass	8.55	16.40	13.49			18.19	27.45	26.74	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			16.71	17.86	20.33	21.21	29.10	30.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	11.14	11.52	11.31	12.49	17.67	18.31	29.34	30.00
802.11ac HEW20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	5.74	5.83	6.32	6.85	12.23	18.31	23.90	30.00
5300MHz	Pass	11.67	5.88	6.21	6.31	6.99	12.39	18.31	24.06	30.00
5320MHz	Pass	11.67	6.31	6.14	6.36	6.88	12.45	18.31	24.12	30.00
5500MHz	Pass	11.67	6.44	5.55	6.46	6.27	12.22	18.31	23.89	30.00
5580MHz	Pass	11.67	6.29	5.36	6.06	6.37	12.06	18.31	23.73	30.00
5700MHz	Pass	11.67	6.24	6.22	7.05	7.14	12.70	18.31	24.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	5.63	5.33	6.08	6.06	11.81	17.21	23.48	28.88
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-0.46	-0.31	0.25	0.91	6.15	24.33	17.82	36.00
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	9.43	9.56	9.81	10.65	15.91	18.31	27.58	30.00
5310MHz	Pass	11.67	9.41	9.37	5.65	10.48	15.08	18.31	26.75	30.00
5510MHz	Pass	11.67	9.80	8.99	9.95	10.11	15.75	18.31	27.42	30.00
5550MHz	Pass	11.67	9.87	9.17	9.95	10.40	15.89	18.31	27.56	30.00



Average Power_Beamforming_Indoor_Sample 1_Radio 1

Appendix B.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5670MHz	Pass	11.67	9.94	8.67	9.79	9.94	15.64	18.31	27.31	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	9.23	8.59	9.34	9.65	15.24	18.31	26.91	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-0.82	-2.28	-1.24	-0.64	4.82	24.33	16.49	36.00
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	10.92	11.15	11.42	12.28	17.49	18.31	29.16	30.00
5530MHz	Pass	11.67	10.96	10.79	11.47	12.04	17.36	18.31	29.03	30.00
5610MHz	Pass	11.67	11.15	11.05	11.48	11.97	17.45	18.31	29.12	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	11.39	10.68	11.63	11.55	17.35	18.31	29.02	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-2.74	-4.18	-3.16	-2.92	2.80	24.33	14.47	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	8.55	16.09	17.22			19.70	27.45	28.25	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			16.91	17.94	20.47	21.21	29.24	30.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	11.34	10.88	11.59	12.80	17.73	18.31	29.40	30.00

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



Average Power
Non-Beamforming Indoor Sample 1_Radio 3

Appendix B.3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	17.54	0.05675	23.51	0.22439
802.11ac VHT20_Nss1,(MCS0)_2TX	16.35	0.04315	22.32	0.17061
802.11ac VHT40_Nss1,(MCS0)_2TX	18.88	0.07727	24.85	0.30549
802.11ac VHT80_Nss1,(MCS0)_2TX	14.50	0.02818	20.47	0.11143
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.45	0.08810	25.42	0.34834
802.11ac VHT20_Nss1,(MCS0)_2TX	20.48	0.11169	26.45	0.44157
802.11ac VHT40_Nss1,(MCS0)_2TX	20.52	0.11272	26.49	0.44566
802.11ac VHT80_Nss1,(MCS0)_2TX	20.31	0.10740	26.28	0.42462
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	11.93	0.01560	17.90	0.06166
802.11ac VHT20_Nss1,(MCS0)_2TX	12.36	0.01722	18.33	0.06808
802.11ac VHT40_Nss1,(MCS0)_2TX	7.52	0.00565	13.49	0.02234
802.11ac VHT80_Nss1,(MCS0)_2TX	3.73	0.00236	9.70	0.00933



Average Power
Non-Beamforming Indoor Sample 1_Radio 3

Appendix B.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.97	14.88	14.14	17.54	23.98	23.51	30.00
5300MHz	Pass	5.97	12.67	10.78	14.84	23.98	20.81	30.00
5320MHz	Pass	5.97	13.37	11.36	15.49	23.98	21.46	30.00
5500MHz	Pass	5.97	12.90	12.75	15.84	23.98	21.81	30.00
5580MHz	Pass	5.97	14.64	15.43	18.06	23.98	24.03	30.00
5700MHz	Pass	5.97	17.05	15.73	19.45	23.98	25.42	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.97	15.58	14.66	18.15	23.98	24.12	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.97	9.24	8.57	11.93	30.00	17.90	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.97	13.84	12.78	16.35	23.98	22.32	30.00
5300MHz	Pass	5.97	13.26	11.45	15.46	23.98	21.43	30.00
5320MHz	Pass	5.97	14.11	12.24	16.29	23.98	22.26	30.00
5500MHz	Pass	5.97	15.34	16.73	19.10	23.98	25.07	30.00
5580MHz	Pass	5.97	17.82	17.09	20.48	23.98	26.45	30.00
5700MHz	Pass	5.97	16.67	15.74	19.24	23.98	25.21	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.97	15.45	14.61	18.06	23.98	24.03	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.97	9.66	9.01	12.36	30.00	18.33	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.97	16.79	14.70	18.88	23.98	24.85	30.00
5310MHz	Pass	5.97	14.52	13.18	16.91	23.98	22.88	30.00
5510MHz	Pass	5.97	15.52	16.08	18.82	23.98	24.79	30.00
5550MHz	Pass	5.97	17.47	17.54	20.52	23.98	26.49	30.00
5670MHz	Pass	5.97	17.61	16.98	20.32	23.98	26.29	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.97	15.79	15.16	18.50	23.98	24.47	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.97	4.63	4.38	7.52	30.00	13.49	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.97	12.22	10.61	14.50	23.98	20.47	30.00
5530MHz	Pass	5.97	10.31	9.95	13.14	23.98	19.11	30.00
5610MHz	Pass	5.97	17.21	17.38	20.31	23.98	26.28	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.97	16.44	15.69	19.09	23.98	25.06	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.97	0.81	0.63	3.73	30.00	9.70	36.00

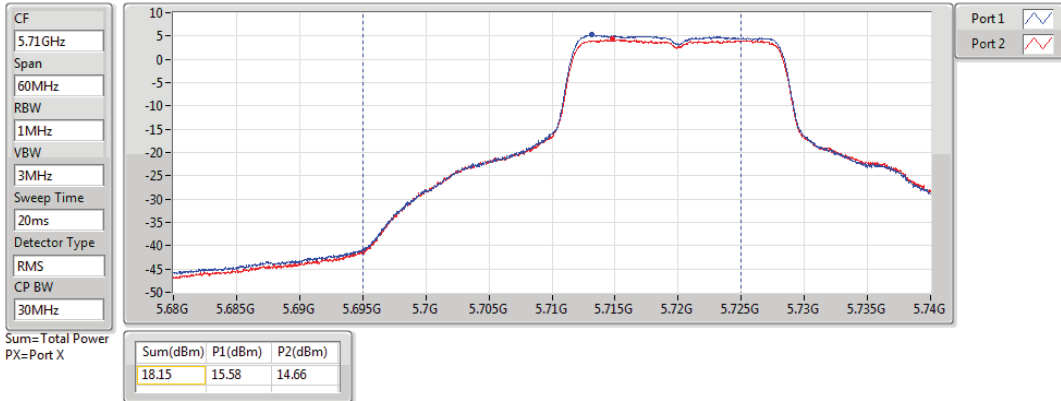
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

15/03/2020

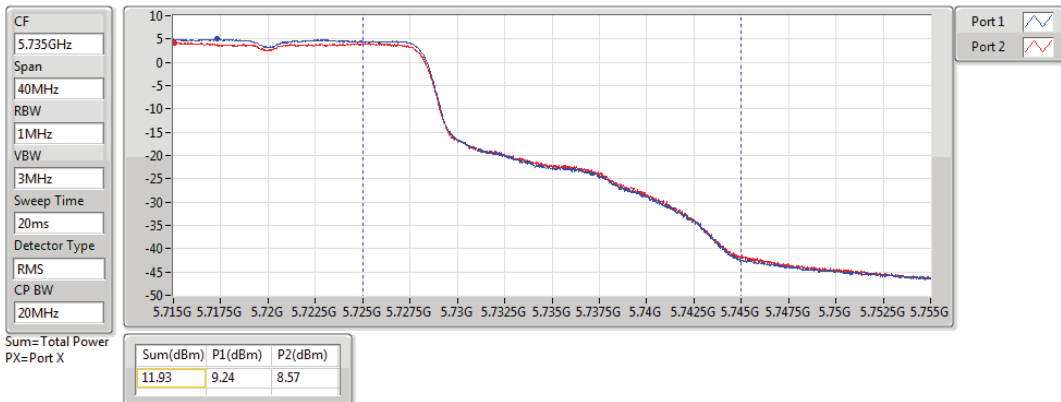


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

15/03/2020

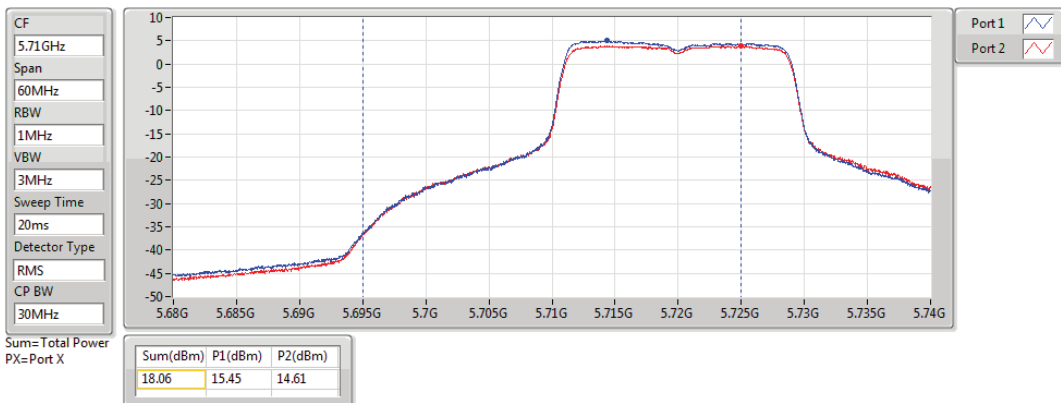


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

15/03/2020



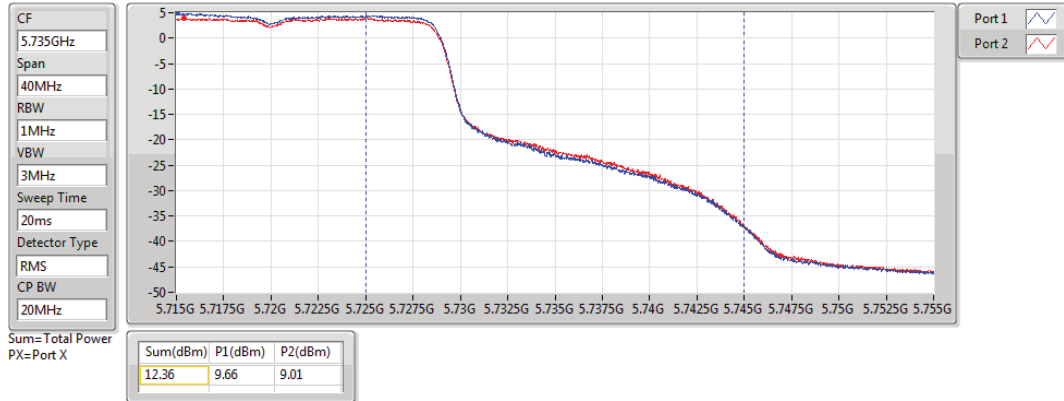


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

15/03/2020

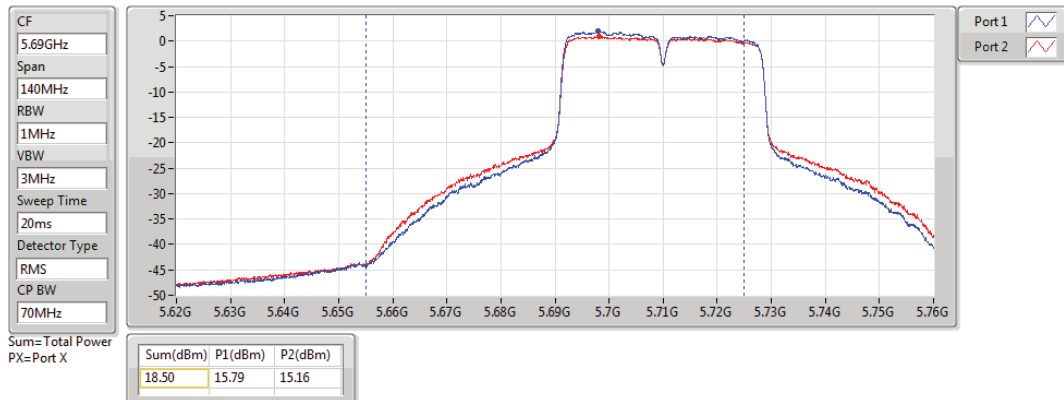


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

15/03/2020

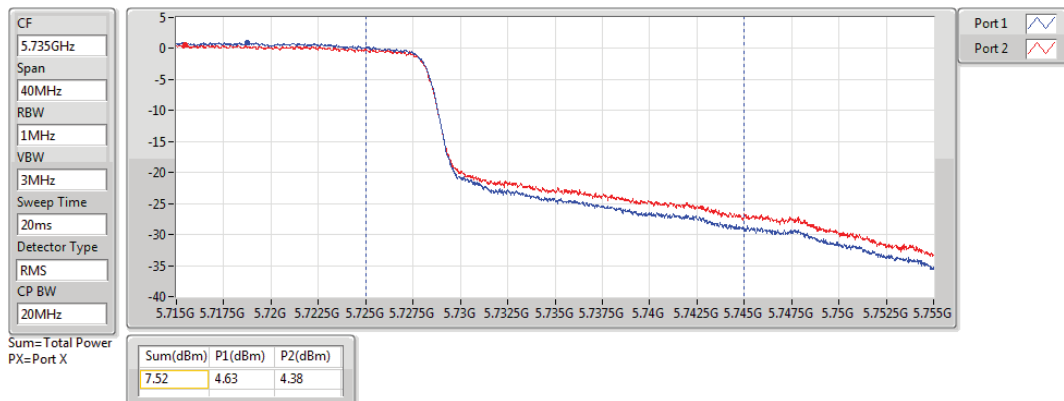


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

15/03/2020



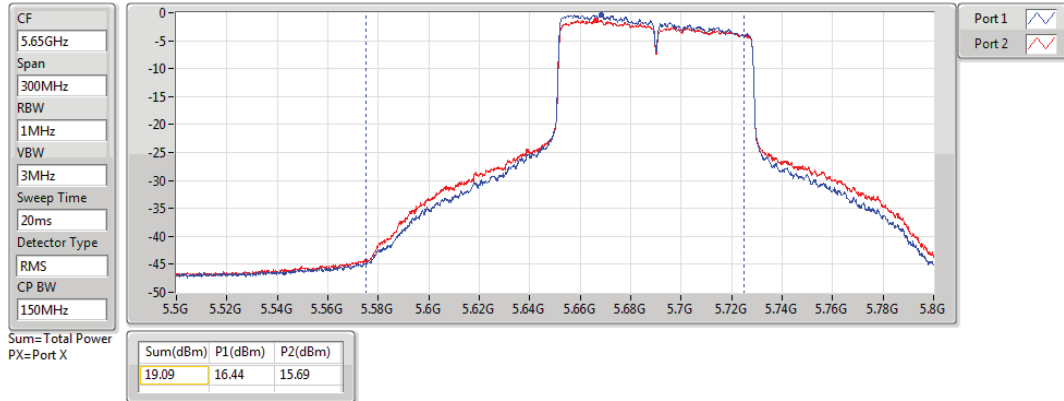


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

15/03/2020

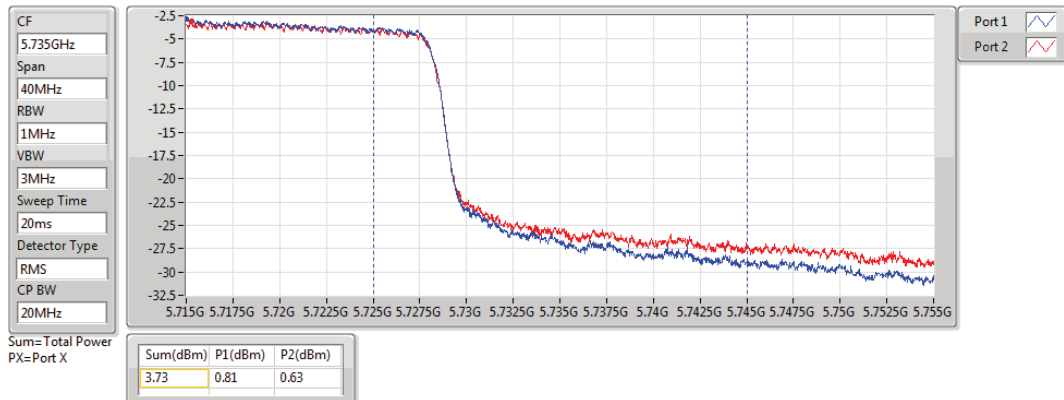


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

15/03/2020





Average Power
Non-Beamforming Indoor Sample 2 Radio 1

Appendix B.4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	17.24	0.05297	21.87	0.15382
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	17.56	0.05702	22.19	0.16558
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.03	0.07998	23.69	0.23388
802.11ac VHT20_Nss1,(MCS0)_4TX	19.38	0.08670	24.04	0.25351
802.11ac VHT40_Nss1,(MCS0)_4TX	21.86	0.15346	26.52	0.44875
802.11ac VHT80_Nss1,(MCS0)_4TX	21.98	0.15776	26.64	0.46132
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	17.75	0.05957	22.41	0.17418
802.11ax HEW20_Nss1,(MCS0)_4TX	19.70	0.09333	24.36	0.27290
802.11ax HEW40_Nss1,(MCS0)_4TX	22.19	0.16558	26.85	0.48417
802.11ax HEW80_Nss1,(MCS0)_4TX	22.25	0.16788	26.91	0.49091
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	17.88	0.06138	22.54	0.17947
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.96	0.07870	23.62	0.23014
802.11ac VHT20_Nss1,(MCS0)_4TX	19.51	0.08933	24.17	0.26122
802.11ac VHT40_Nss1,(MCS0)_4TX	22.31	0.17022	26.97	0.49774
802.11ac VHT80_Nss1,(MCS0)_4TX	23.42	0.21979	28.08	0.64269
802.11ac VHT80+80_Nss1,(MCS0)_4TX	23.50	0.22387	28.16	0.65464
802.11ax HEW20_Nss1,(MCS0)_4TX	19.42	0.08750	24.08	0.25586
802.11ax HEW40_Nss1,(MCS0)_4TX	22.57	0.18072	27.23	0.52845
802.11ax HEW80_Nss1,(MCS0)_4TX	23.70	0.23442	28.36	0.68549
802.11ax HEW80+80_Nss1,(MCS0)_4TX	23.62	0.23014	28.28	0.67298
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	11.92	0.01556	16.58	0.04550
802.11ac VHT20_Nss1,(MCS0)_4TX	12.29	0.01694	16.95	0.04955
802.11ac VHT40_Nss1,(MCS0)_4TX	22.48	0.17701	27.14	0.51761
802.11ac VHT80_Nss1,(MCS0)_4TX	7.76	0.00597	12.42	0.01746
802.11ax HEW20_Nss1,(MCS0)_4TX	12.88	0.01941	17.54	0.05675
802.11ax HEW40_Nss1,(MCS0)_4TX	12.04	0.01600	16.70	0.04677
802.11ax HEW80_Nss1,(MCS0)_4TX	8.93	0.00782	13.59	0.02286



Average Power
Non-Beamforming Indoor Sample 2 Radio 1

Appendix B.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.66	12.83	12.64	12.88	13.61	19.03	23.86	23.69	29.86
5300MHz	Pass	4.66	12.04	12.32	12.38	13.21	18.53	23.87	23.19	29.87
5320MHz	Pass	4.66	12.77	12.56	12.46	13.24	18.79	23.85	23.45	29.85
5500MHz	Pass	4.66	13.14	12.22	13.18	12.69	18.85	23.89	23.51	29.89
5580MHz	Pass	4.66	12.95	11.85	13.09	12.48	18.64	23.84	23.30	29.84
5700MHz	Pass	4.66	12.79	12.46	13.06	13.39	18.96	23.87	23.62	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	4.66	12.45	11.96	12.33	12.81	18.42	22.64	23.08	28.64
5720MHz Straddle 5.725-5.85GHz	Pass	4.66	4.94	6.43	6.00	6.08	11.92	30.00	16.58	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.66	12.90	13.39	13.75	13.37	19.38	23.98	24.04	30.00
5300MHz	Pass	4.66	12.67	12.87	13.35	13.20	19.05	23.98	23.71	30.00
5320MHz	Pass	4.66	12.93	12.99	13.10	13.16	19.07	23.98	23.73	30.00
5500MHz	Pass	4.66	13.45	13.04	14.10	13.31	19.51	23.98	24.17	30.00
5580MHz	Pass	4.66	13.39	12.73	14.08	13.07	19.37	23.98	24.03	30.00
5700MHz	Pass	4.66	12.63	12.90	13.25	12.80	18.92	23.98	23.58	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.66	11.48	12.14	12.31	11.92	17.99	22.73	22.65	28.73
5720MHz Straddle 5.725-5.85GHz	Pass	4.66	6.21	6.01	6.83	5.96	12.29	30.00	16.95	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	4.66	15.61	15.71	16.18	15.79	21.85	23.98	26.51	30.00
5310MHz	Pass	4.66	15.45	15.64	15.81	16.41	21.86	23.98	26.52	30.00
5510MHz	Pass	4.66	15.73	15.44	16.62	15.65	21.90	23.98	26.56	30.00
5550MHz	Pass	4.66	16.13	15.82	16.80	16.16	22.26	23.98	26.92	30.00
5670MHz	Pass	4.66	15.97	15.38	16.80	15.96	22.08	23.98	26.74	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.66	15.15	14.96	15.86	15.97	21.53	23.98	26.19	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.66	4.26	3.34	4.43	5.01	10.32	30.00	14.98	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	4.66	15.48	15.83	16.08	16.40	21.98	23.98	26.64	30.00
5530MHz	Pass	4.66	16.78	16.89	17.29	17.84	23.24	23.98	27.90	30.00
5610MHz	Pass	4.66	16.98	17.06	17.48	17.99	23.42	23.98	28.08	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.66	16.83	16.58	17.53	17.66	23.19	23.98	27.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.66	1.19	1.24	1.78	2.61	7.76	30.00	12.42	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	4.63	14.18	14.27			17.24	30.00	21.87	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	4.66			14.04	15.34	17.75	23.98	22.41	30.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	4.66	17.24	17.25	17.00	18.29	23.50	23.98	28.16	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.66	13.21	13.41	13.63	14.37	19.70	23.98	24.36	30.00
5300MHz	Pass	4.66	13.07	13.19	13.21	14.05	19.42	23.98	24.08	30.00
5320MHz	Pass	4.66	13.21	13.39	13.02	13.98	19.44	23.98	24.10	30.00
5500MHz	Pass	4.66	12.72	11.73	12.55	12.76	18.48	23.98	23.14	30.00



Average Power
Non-Beamforming Indoor Sample 2 Radio 1

Appendix B.4

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5580MHz	Pass	4.66	13.70	12.58	13.85	13.34	19.42	23.98	24.08	30.00
5700MHz	Pass	4.66	13.03	12.75	13.42	13.40	19.18	23.98	23.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.66	12.37	12.24	12.70	12.67	18.52	22.91	23.18	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	4.66	6.39	6.52	6.90	7.53	12.88	30.00	17.54	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	4.66	15.72	16.10	16.27	16.55	22.19	23.98	26.85	30.00
5310MHz	Pass	4.66	15.95	15.89	16.04	16.63	22.16	23.98	26.82	30.00
5510MHz	Pass	4.66	16.26	15.79	16.22	16.00	22.09	23.98	26.75	30.00
5550MHz	Pass	4.66	16.53	16.06	16.78	16.79	22.57	23.98	27.23	30.00
5670MHz	Pass	4.66	16.55	16.03	16.74	16.57	22.50	23.98	27.16	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.66	16.18	16.26	16.94	16.54	22.51	23.98	27.17	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.66	6.28	5.17	6.28	6.26	12.04	30.00	16.70	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	4.66	15.70	16.05	16.36	16.75	22.25	23.98	26.91	30.00
5530MHz	Pass	4.66	17.17	17.20	17.74	18.06	23.58	23.98	28.24	30.00
5610MHz	Pass	4.66	17.29	17.40	17.91	18.07	23.70	23.98	28.36	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.66	17.07	16.85	17.78	17.85	23.43	23.98	28.09	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.66	2.80	2.07	3.09	3.54	8.93	30.00	13.59	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	4.63	14.75	14.35			17.56	30.00	22.19	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	4.66			14.41	15.29	17.88	23.98	22.54	30.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	4.66	17.07	17.36	17.32	18.51	23.62	23.98	28.28	30.00

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

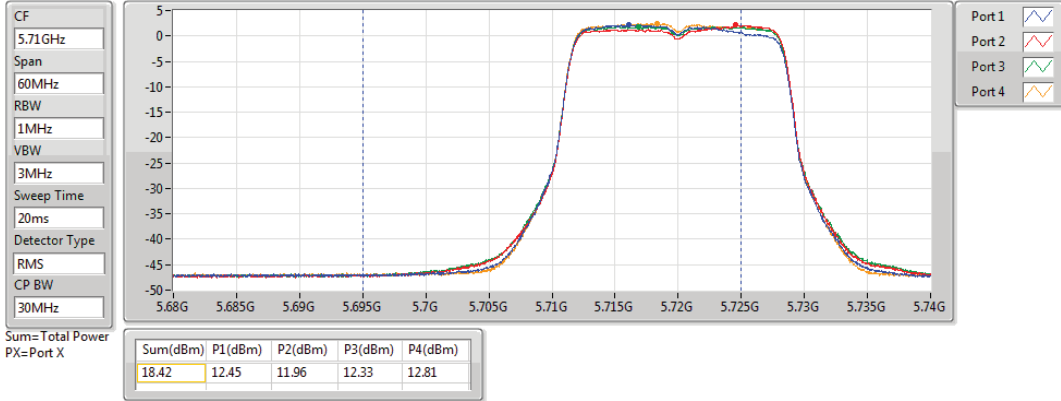


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

31/03/2020

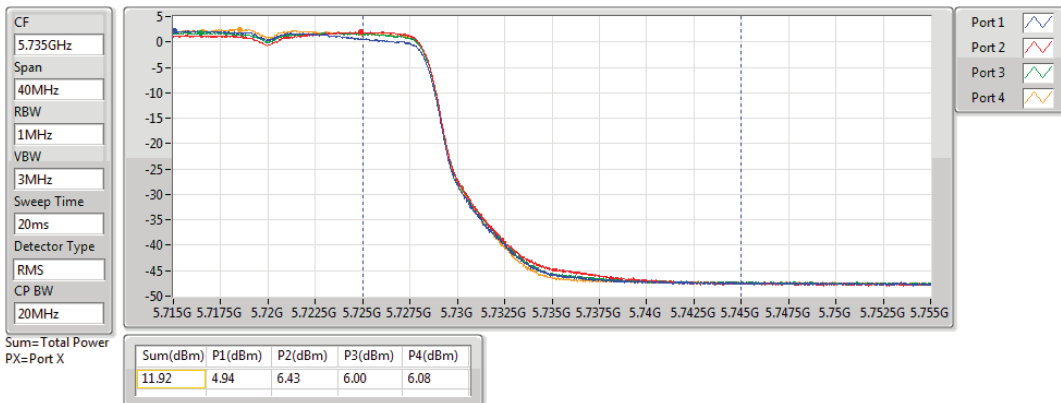


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

31/03/2020

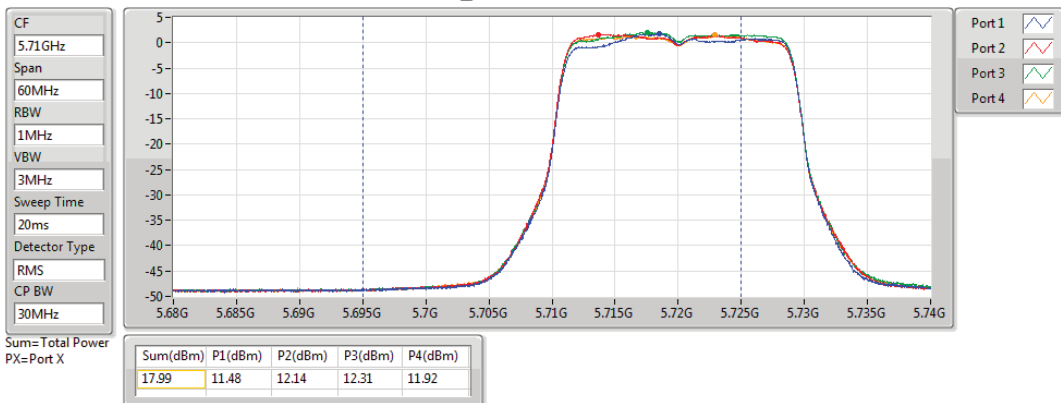


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

31/03/2020



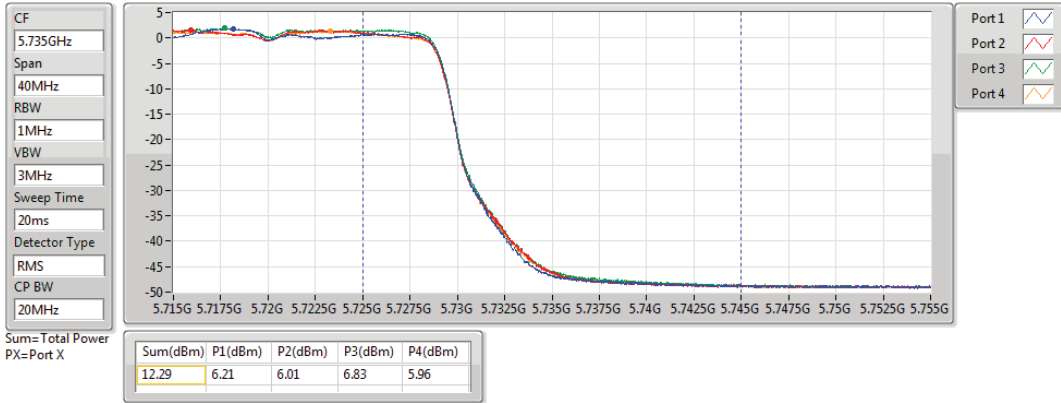


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

31/03/2020

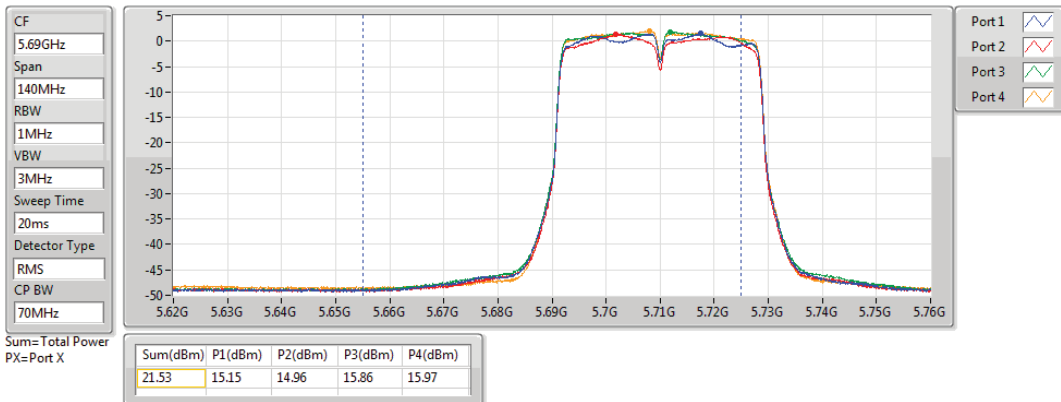


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

10/03/2020

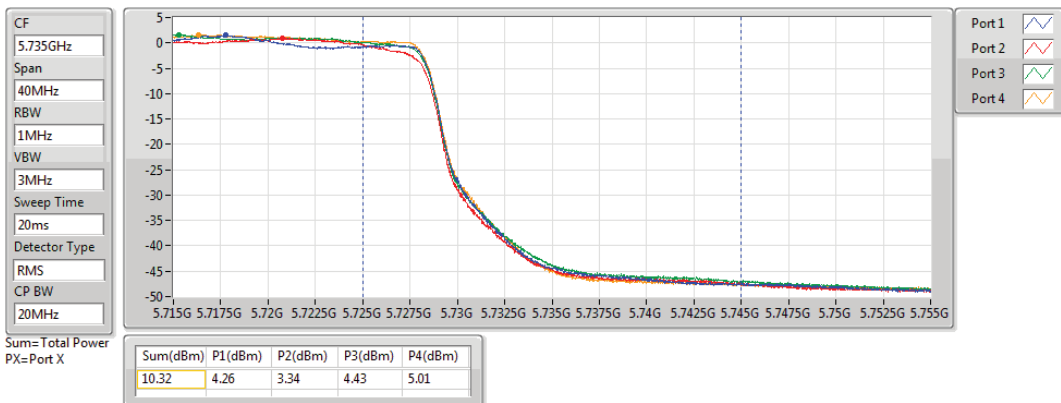


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

10/03/2020

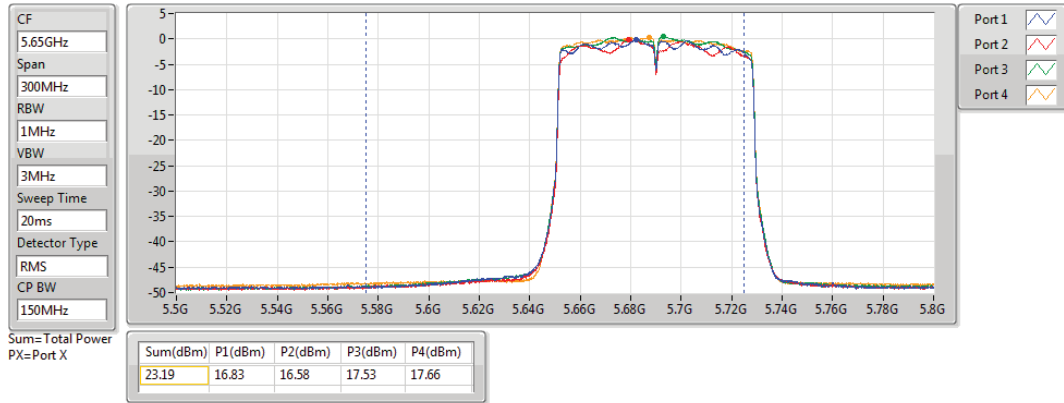


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/03/2020

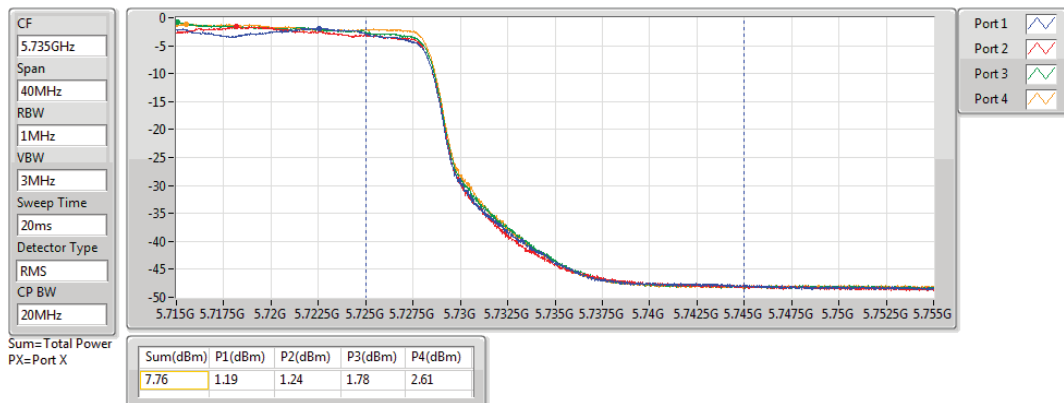


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/03/2020

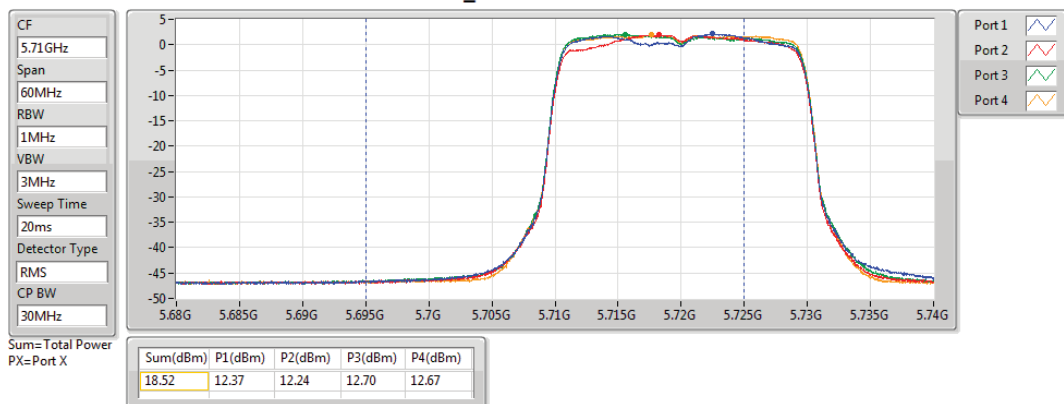


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

31/03/2020

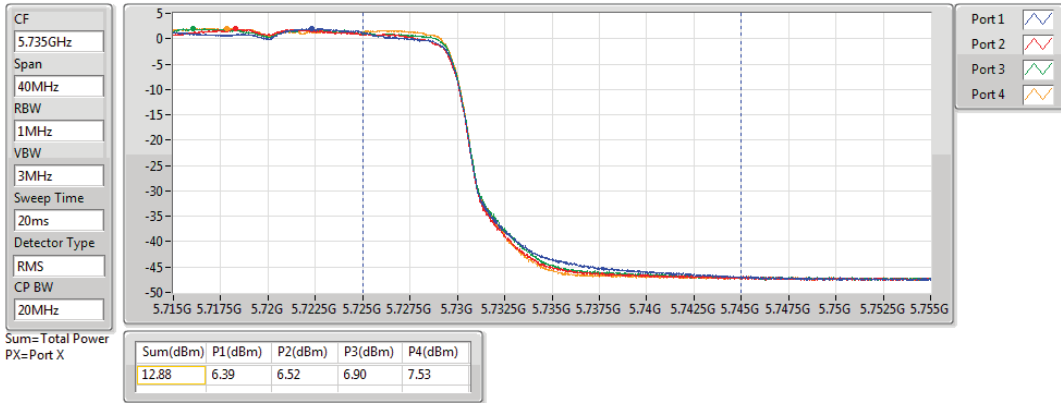


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

31/03/2020

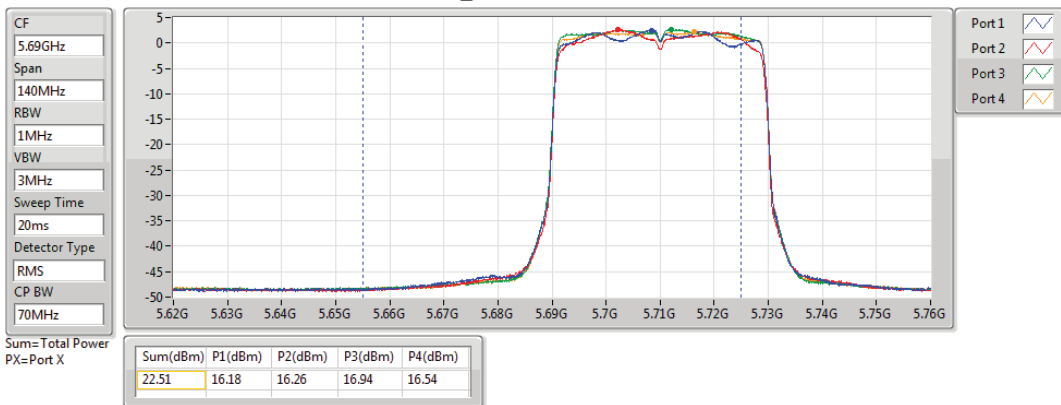


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

31/03/2020

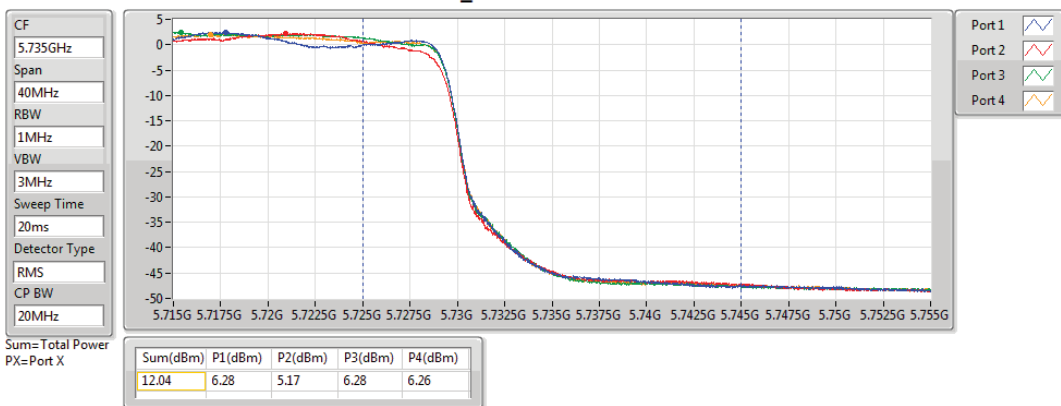


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

31/03/2020



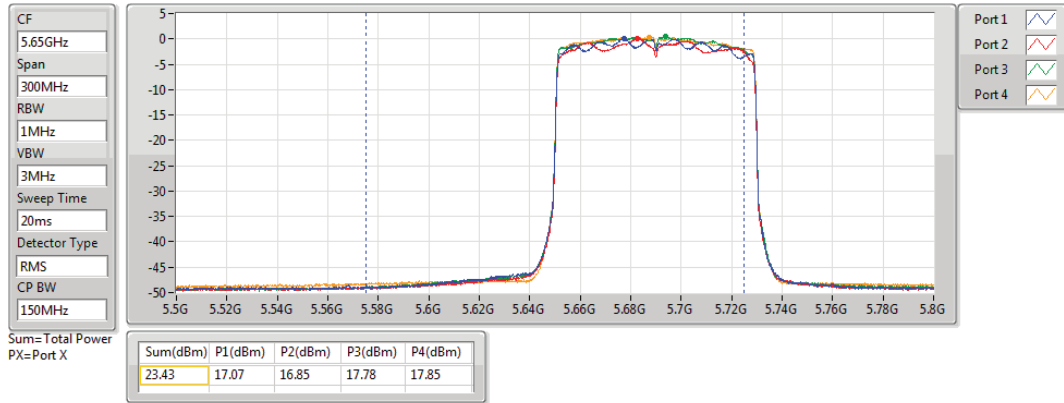


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/03/2020

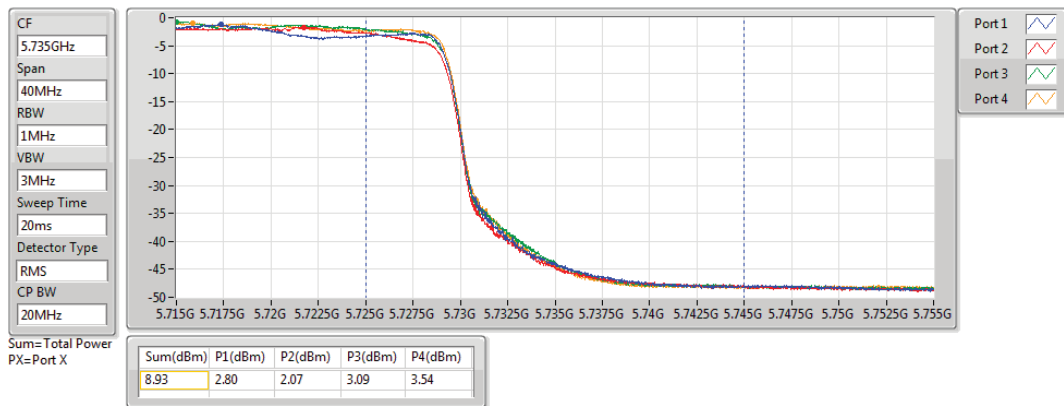


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/03/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	14.45	0.02786	21.87	0.15382
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	14.77	0.02999	22.19	0.16558
5.25-5.35GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	13.56	0.02270	24.04	0.25351
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	16.04	0.04018	26.52	0.44875
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	16.16	0.04130	26.64	0.46132
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	14.89	0.03083	22.41	0.17418
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	13.88	0.02443	24.36	0.27290
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	16.37	0.04335	26.85	0.48417
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	16.43	0.04395	26.91	0.49091
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	15.02	0.03177	22.54	0.17947
5.47-5.725GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	13.69	0.02339	24.17	0.26122
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	16.49	0.04457	26.97	0.49774
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.60	0.05754	28.08	0.64269
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	17.68	0.05861	28.16	0.65464
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	13.60	0.02291	24.08	0.25586
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	16.75	0.04732	27.23	0.52845
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.88	0.06138	28.36	0.68549
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	17.80	0.06026	28.28	0.67298
5.725-5.85GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	6.47	0.00444	16.95	0.04955
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	16.66	0.04634	27.14	0.51761
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	1.94	0.00156	12.42	0.01746
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	7.06	0.00508	17.54	0.05675
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	6.22	0.00419	16.70	0.04677
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	3.11	0.00205	13.59	0.02286



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	10.48	7.08	7.57	7.93	7.55	13.56	19.50	24.04	30.00
5300MHz	Pass	10.48	6.85	7.05	7.53	7.38	13.23	19.50	23.71	30.00
5320MHz	Pass	10.48	7.11	7.17	7.28	7.34	13.25	19.50	23.73	30.00
5500MHz	Pass	10.48	7.63	7.22	8.28	7.49	13.69	19.50	24.17	30.00
5580MHz	Pass	10.48	7.57	6.91	8.26	7.25	13.55	19.50	24.03	30.00
5700MHz	Pass	10.48	6.81	7.08	7.43	6.98	13.10	19.50	23.58	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.48	5.66	6.32	6.49	6.10	12.17	18.25	22.65	28.73
5720MHz Straddle 5.725-5.85GHz	Pass	10.48	0.39	0.19	1.01	0.14	6.47	25.52	16.95	36.00
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	10.48	9.79	9.89	10.36	9.97	16.03	19.50	26.51	30.00
5310MHz	Pass	10.48	9.63	9.82	9.99	10.59	16.04	19.50	26.52	30.00
5510MHz	Pass	10.48	9.91	9.62	10.80	9.83	16.08	19.50	26.56	30.00
5550MHz	Pass	10.48	10.31	10.00	10.98	10.34	16.44	19.50	26.92	30.00
5670MHz	Pass	10.48	10.15	9.56	10.98	10.14	16.26	19.50	26.74	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.48	9.46	9.27	10.17	10.28	15.84	19.50	26.32	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.48	-1.43	-2.35	-1.26	-0.68	4.63	25.52	15.11	36.00
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	10.48	9.66	10.01	10.26	10.58	16.16	19.50	26.64	30.00
5530MHz	Pass	10.48	10.96	11.07	11.47	12.02	17.42	19.50	27.90	30.00
5610MHz	Pass	10.48	11.16	11.24	11.66	12.17	17.60	19.50	28.08	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.48	11.01	10.76	11.71	11.84	17.37	19.50	27.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.48	-4.63	-4.58	-4.04	-3.21	1.94	25.52	12.42	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,#5290MHz	Pass	7.42	11.39	11.48			14.45	28.58	21.87	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	7.52			11.18	12.48	14.89	22.46	22.41	30.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	10.48	11.42	11.43	11.18	12.47	17.68	19.50	28.16	30.00
802.11ac HEW20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	10.48	7.39	7.59	7.81	8.55	13.88	19.50	24.36	30.00
5300MHz	Pass	10.48	7.25	7.37	7.39	8.23	13.60	19.50	24.08	30.00
5320MHz	Pass	10.48	7.39	7.57	7.20	8.16	13.62	19.50	24.10	30.00
5500MHz	Pass	10.48	6.90	5.91	6.73	6.94	12.66	19.50	23.14	30.00
5580MHz	Pass	10.48	7.88	6.76	8.03	7.52	13.60	19.50	24.08	30.00
5700MHz	Pass	10.48	7.21	6.93	7.60	7.58	13.36	19.50	23.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.48	6.55	6.42	6.88	6.85	12.70	18.43	23.18	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	10.48	0.57	0.70	1.08	1.71	7.06	25.52	17.54	36.00
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	10.48	9.90	10.28	10.45	10.73	16.37	19.50	26.85	30.00
5310MHz	Pass	10.48	10.13	10.07	10.22	10.81	16.34	19.50	26.82	30.00
5510MHz	Pass	10.48	10.44	9.97	10.40	10.18	16.27	19.50	26.75	30.00
5550MHz	Pass	10.48	10.71	10.24	10.96	10.97	16.75	19.50	27.23	30.00

**Average Power_Beamforming_Indoor_Sample 2_Radio 1****Appendix B.5**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5670MHz	Pass	10.48	10.73	10.21	10.92	10.75	16.68	19.50	27.16	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.48	10.36	10.44	11.12	10.72	16.69	19.50	27.17	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.48	0.46	-0.65	0.46	0.44	6.22	25.52	16.70	36.00
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	10.48	9.88	10.23	10.54	10.93	16.43	19.50	26.91	30.00
5530MHz	Pass	10.48	11.35	11.38	11.92	12.24	17.76	19.50	28.24	30.00
5610MHz	Pass	10.48	11.47	11.58	12.09	12.25	17.88	19.50	28.36	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.48	11.25	11.03	11.96	12.03	17.61	19.50	28.09	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.48	-3.02	-3.75	-2.73	-2.28	3.11	25.52	13.59	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	7.42	11.96	11.56			14.77	28.58	22.19	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	7.52			11.55	12.43	15.02	22.46	22.54	30.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	10.48	11.25	11.54	11.50	12.69	17.80	19.50	28.28	30.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.78	0.18967	27.41	0.55081
802.11ac VHT20_Nss1,(MCS0)_2TX	22.53	0.17906	27.16	0.52000
802.11ac VHT40_Nss1,(MCS0)_2TX	21.48	0.14060	26.11	0.40832
802.11ac VHT80_Nss1,(MCS0)_2TX	12.53	0.01791	17.16	0.05200
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.87	0.12218	25.50	0.35481
802.11ac VHT20_Nss1,(MCS0)_2TX	20.98	0.12531	25.61	0.36392
802.11ac VHT40_Nss1,(MCS0)_2TX	20.57	0.11402	25.20	0.33113
802.11ac VHT80_Nss1,(MCS0)_2TX	19.92	0.09817	24.55	0.28510
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.61	0.01824	17.24	0.05297
802.11ac VHT20_Nss1,(MCS0)_2TX	12.92	0.01959	17.55	0.05689
802.11ac VHT40_Nss1,(MCS0)_2TX	8.50	0.00708	13.13	0.02056
802.11ac VHT80_Nss1,(MCS0)_2TX	4.32	0.00270	8.95	0.00785

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.63	19.48	20.05	22.78	23.98	27.41	30.00
5300MHz	Pass	4.63	19.11	20.05	22.62	23.98	27.25	30.00
5320MHz	Pass	4.63	18.89	17.34	21.19	23.98	25.82	30.00
5500MHz	Pass	4.63	18.34	17.32	20.87	23.98	25.50	30.00
5580MHz	Pass	4.63	18.35	17.07	20.77	23.98	25.40	30.00
5700MHz	Pass	4.63	16.96	15.2	19.18	23.98	23.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.63	16.21	15.33	18.80	23.98	23.43	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.63	9.94	9.24	12.61	30.00	17.24	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.63	19.07	19.92	22.53	23.98	27.16	30.00
5300MHz	Pass	4.63	18.93	19.88	22.44	23.98	27.07	30.00
5320MHz	Pass	4.63	18.67	19.61	22.18	23.98	26.81	30.00
5500MHz	Pass	4.63	16.11	16.63	19.39	23.98	24.02	30.00
5580MHz	Pass	4.63	18.72	17.07	20.98	23.98	25.61	30.00
5700MHz	Pass	4.63	14.41	13.22	16.87	23.98	21.50	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.63	16.25	14.93	18.65	23.98	23.28	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.63	10.39	9.38	12.92	30.00	17.55	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.63	19.26	17.5	21.48	23.98	26.11	30.00
5310MHz	Pass	4.63	12.75	11.12	15.02	23.98	19.65	30.00
5510MHz	Pass	4.63	11.59	10.72	14.19	23.98	18.82	30.00
5550MHz	Pass	4.63	17.92	17.17	20.57	23.98	25.20	30.00
5670MHz	Pass	4.63	17.94	16.57	20.32	23.98	24.95	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.63	16.91	15.77	19.39	23.98	24.02	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.63	5.85	5.1	8.50	30.00	13.13	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.63	10.14	8.8	12.53	23.98	17.16	30.00
5530MHz	Pass	4.63	10.11	9.3	12.73	23.98	17.36	30.00
5610MHz	Pass	4.63	16.83	16.99	19.92	23.98	24.55	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.63	16.86	16.07	19.49	23.98	24.12	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.63	1.36	1.26	4.32	30.00	8.95	36.00

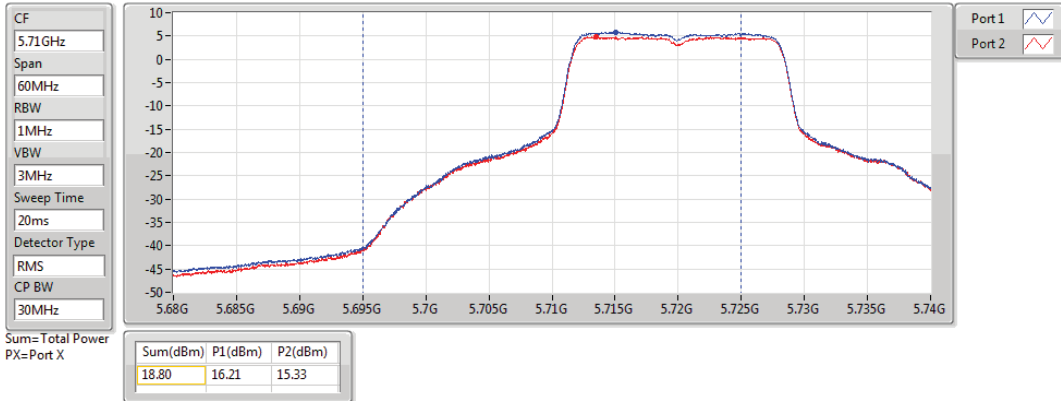
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

14/03/2020

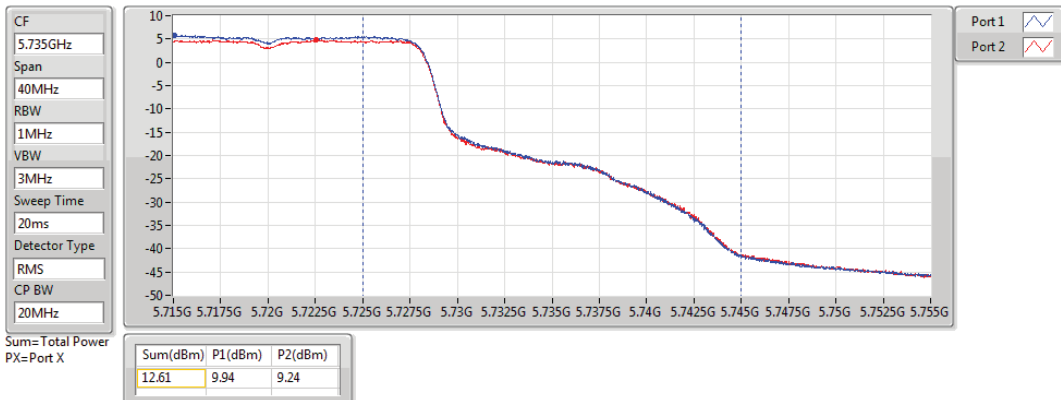


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

14/03/2020

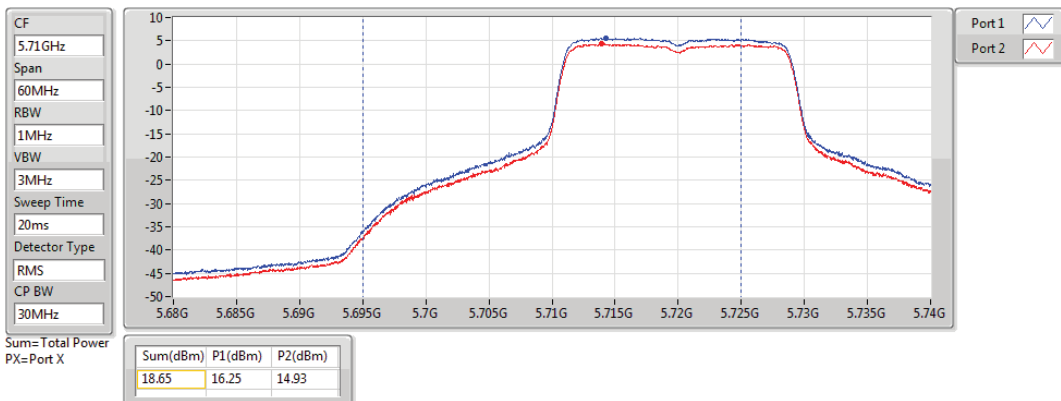


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

14/03/2020

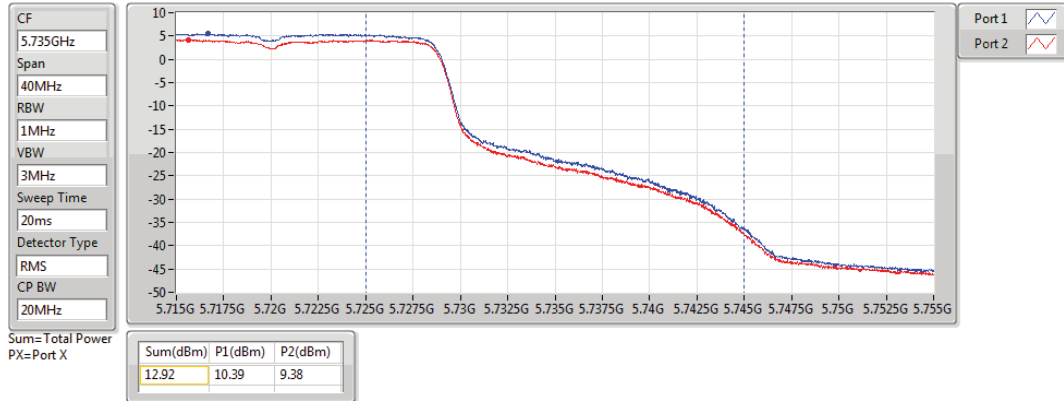


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

14/03/2020

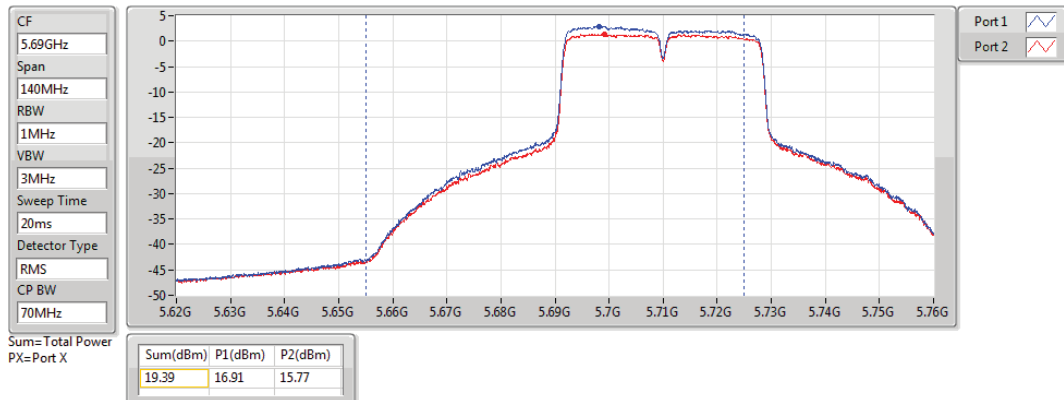


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

14/03/2020

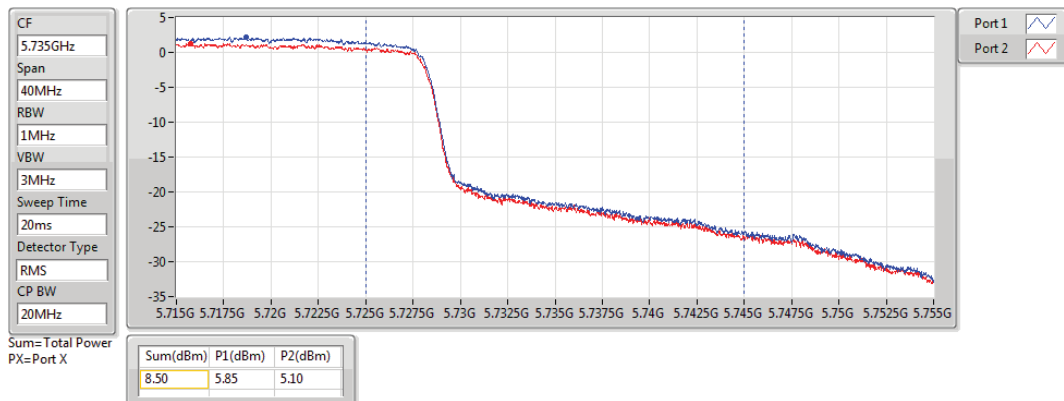


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

14/03/2020

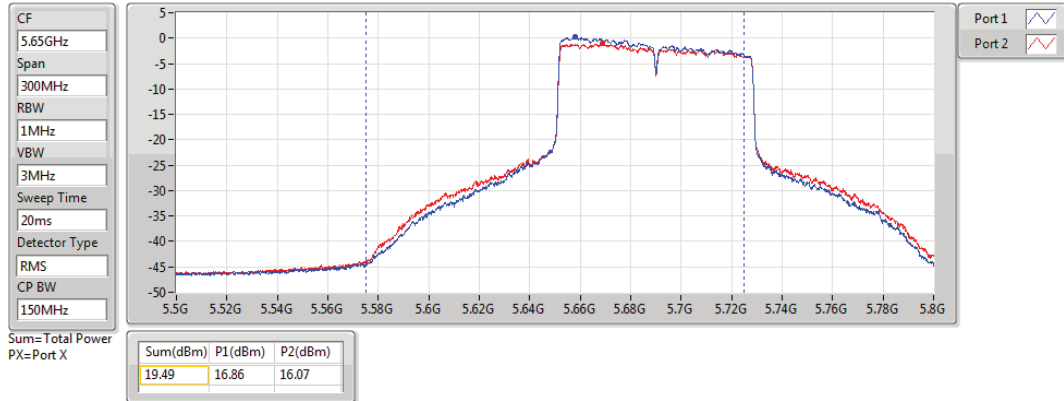


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

14/03/2020



802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

14/03/2020





Average Power
Non-Beamforming Outdoor Sample 3 Radio 1

Appendix B.7

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	16.94	0.04943	22.48	0.17701
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	16.99	0.05000	22.53	0.17906
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.07	0.06412	24.05	0.25410
802.11ac VHT20_Nss1,(MCS0)_4TX	18.51	0.07096	24.49	0.28119
802.11ac VHT40_Nss1,(MCS0)_4TX	21.21	0.13213	27.19	0.52360
802.11ac VHT80_Nss1,(MCS0)_4TX	22.95	0.19724	28.93	0.78163
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	16.14	0.04111	22.12	0.16293
802.11ax HEW20_Nss1,(MCS0)_4TX	18.61	0.07261	24.59	0.28774
802.11ax HEW40_Nss1,(MCS0)_4TX	21.37	0.13709	27.35	0.54325
802.11ax HEW80_Nss1,(MCS0)_4TX	23.18	0.20797	29.16	0.82414
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	16.35	0.04315	22.33	0.17100
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.22	0.06637	24.20	0.26303
802.11ac VHT20_Nss1,(MCS0)_4TX	18.53	0.07129	24.51	0.28249
802.11ac VHT40_Nss1,(MCS0)_4TX	21.45	0.13964	27.43	0.55335
802.11ac VHT80_Nss1,(MCS0)_4TX	23.25	0.21135	29.23	0.83753
802.11ac VHT80+80_Nss1,(MCS0)_4TX	23.25	0.21135	29.23	0.83753
802.11ax HEW20_Nss1,(MCS0)_4TX	18.86	0.07691	24.84	0.30479
802.11ax HEW40_Nss1,(MCS0)_4TX	21.73	0.14894	27.71	0.59020
802.11ax HEW80_Nss1,(MCS0)_4TX	23.49	0.22336	29.47	0.88512
802.11ax HEW80+80_Nss1,(MCS0)_4TX	23.35	0.21627	29.33	0.85704
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	10.91	0.01233	16.89	0.04887
802.11ac VHT20_Nss1,(MCS0)_4TX	10.83	0.01211	16.81	0.04797
802.11ac VHT40_Nss1,(MCS0)_4TX	9.51	0.00893	15.49	0.03540
802.11ac VHT80_Nss1,(MCS0)_4TX	6.95	0.00495	12.93	0.01963
802.11ax HEW20_Nss1,(MCS0)_4TX	12.16	0.01644	18.14	0.06516
802.11ax HEW40_Nss1,(MCS0)_4TX	10.80	0.01202	16.78	0.04764
802.11ax HEW80_Nss1,(MCS0)_4TX	8.57	0.00719	14.55	0.02851



Average Power Non-Beamforming Outdoor Sample 3 Radio 1

Appendix B.7

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	11.58	11.95	12.29	11.57	17.88	23.72	23.86	29.72
5300MHz	Pass	5.98	11.71	12.23	12.55	11.44	18.02	23.92	24.00	29.92
5320MHz	Pass	5.98	11.73	12.44	12.45	11.49	18.07	23.89	24.05	29.89
5500MHz	Pass	5.98	11.47	11.87	12.51	11.35	17.84	23.85	23.82	29.85
5580MHz	Pass	5.98	11.76	12.19	12.78	12.01	18.22	23.87	24.20	29.87
5700MHz	Pass	5.98	11.75	12.39	12.56	11.63	18.12	23.87	24.10	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	10.65	11.23	11.80	10.55	17.11	23.98	23.09	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	5.15	4.83	4.83	4.73	10.91	30.00	16.89	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	12.20	12.38	12.29	11.59	18.15	23.98	24.13	30.00
5300MHz	Pass	5.98	12.50	12.61	12.84	11.96	18.51	23.98	24.49	30.00
5320MHz	Pass	5.98	11.47	12.58	12.87	11.53	18.18	23.98	24.16	30.00
5500MHz	Pass	5.98	11.53	12.39	12.95	11.53	18.16	23.98	24.14	30.00
5580MHz	Pass	5.98	11.88	12.48	13.40	12.13	18.53	23.98	24.51	30.00
5700MHz	Pass	5.98	12.07	12.73	12.98	12.02	18.49	23.98	24.47	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	10.59	11.24	11.55	10.51	17.02	22.77	23.00	28.77
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	4.96	4.24	5.38	4.57	10.83	30.00	16.81	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.98	14.91	15.53	15.48	14.79	21.21	23.98	27.19	30.00
5310MHz	Pass	5.98	14.38	15.24	15.59	14.78	21.04	23.98	27.02	30.00
5510MHz	Pass	5.98	15.03	15.47	16.12	14.85	21.42	23.98	27.40	30.00
5550MHz	Pass	5.98	14.88	15.40	16.17	14.86	21.38	23.98	27.36	30.00
5670MHz	Pass	5.98	15.23	15.41	16.01	15.02	21.45	23.98	27.43	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	14.52	14.85	15.31	14.38	20.80	23.98	26.78	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.98	3.19	3.35	3.90	3.48	9.51	30.00	15.49	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.98	16.66	17.04	17.47	16.48	22.95	23.98	28.93	30.00
5530MHz	Pass	5.98	16.73	17.14	18.13	16.77	23.25	23.98	29.23	30.00
5610MHz	Pass	5.98	16.48	16.84	17.64	16.47	22.90	23.98	28.88	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	16.12	16.41	16.88	15.86	22.35	23.98	28.33	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.98	0.68	0.82	1.40	0.79	6.95	30.00	12.93	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.54	13.24	14.52			16.94	30.00	22.48	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	5.98	-	-	13.74	12.43	16.14	23.98	22.12	30.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	5.98	16.87	17.58	17.79	16.58	23.25	23.98	29.23	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.98	12.23	12.53	12.46	12.08	18.35	23.98	24.33	30.00
5300MHz	Pass	5.98	12.04	12.80	13.17	12.19	18.59	23.98	24.57	30.00
5320MHz	Pass	5.98	12.18	12.97	13.15	11.92	18.61	23.98	24.59	30.00
5500MHz	Pass	5.98	12.11	12.58	13.25	12.10	18.56	23.98	24.54	30.00



Average Power
Non-Beamforming Outdoor Sample 3 Radio 1

Appendix B.7

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5580MHz	Pass	5.98	12.25	12.66	13.63	12.41	18.79	23.98	24.77	30.00
5700MHz	Pass	5.98	12.48	13.21	13.17	12.43	18.86	23.98	24.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	11.39	11.51	12.15	11.24	17.61	22.92	23.59	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	5.98	4.93	6.85	6.92	5.53	12.16	30.00	18.14	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.98	15.13	15.72	15.61	14.89	21.37	23.98	27.35	30.00
5310MHz	Pass	5.98	14.56	15.46	15.72	15.01	21.23	23.98	27.21	30.00
5510MHz	Pass	5.98	15.28	15.53	16.32	15.00	21.58	23.98	27.56	30.00
5550MHz	Pass	5.98	14.94	15.39	16.39	15.17	21.53	23.98	27.51	30.00
5670MHz	Pass	5.98	15.29	15.65	16.44	15.36	21.73	23.98	27.71	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	14.95	15.33	15.91	14.92	21.32	23.98	27.30	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.98	4.29	4.36	5.27	5.11	10.80	30.00	16.78	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.98	17.07	17.15	17.72	16.62	23.18	23.98	29.16	30.00
5530MHz	Pass	5.98	16.81	17.43	18.37	17.12	23.49	23.98	29.47	30.00
5610MHz	Pass	5.98	16.70	17.08	17.98	16.74	23.18	23.98	29.16	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	16.76	17.12	17.60	16.62	23.06	23.98	29.04	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.98	2.19	2.37	3.13	2.46	8.57	30.00	14.55	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.54	13.17	14.66			16.99	30.00	22.53	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	5.98	-	-	13.98	12.58	16.35	23.98	22.33	30.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	5.98	17.24	17.53	17.89	16.57	23.35	23.98	29.33	30.00

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

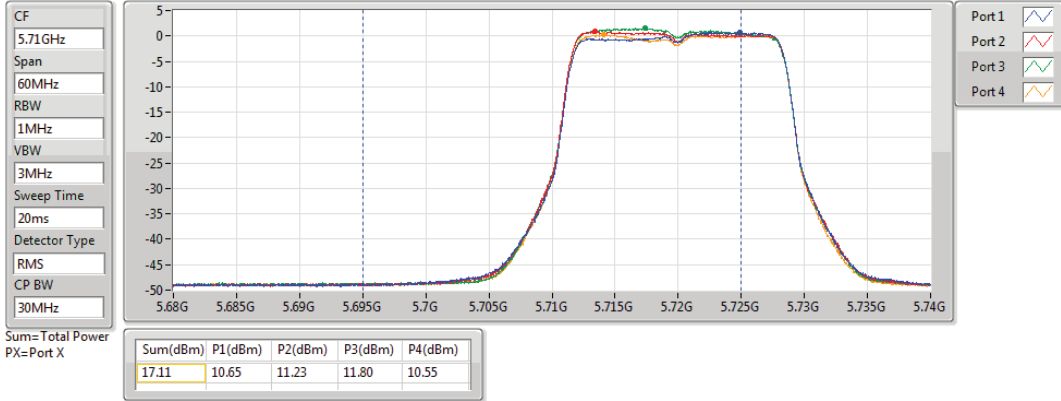


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

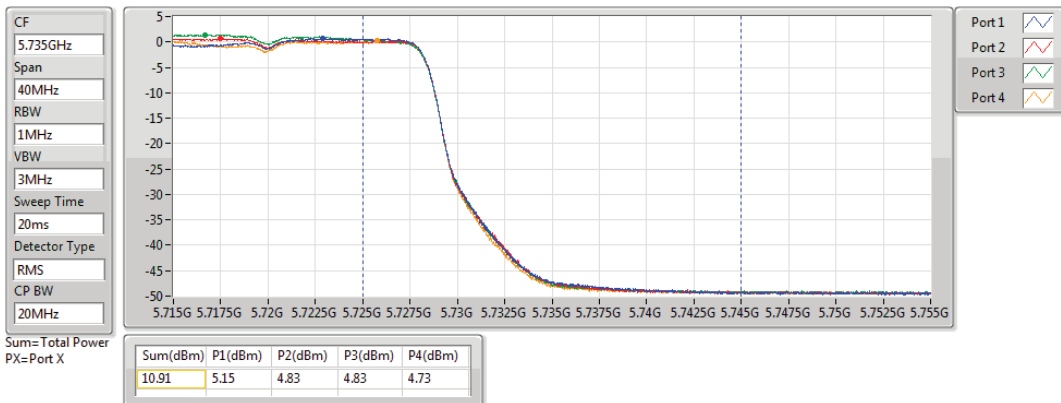


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020

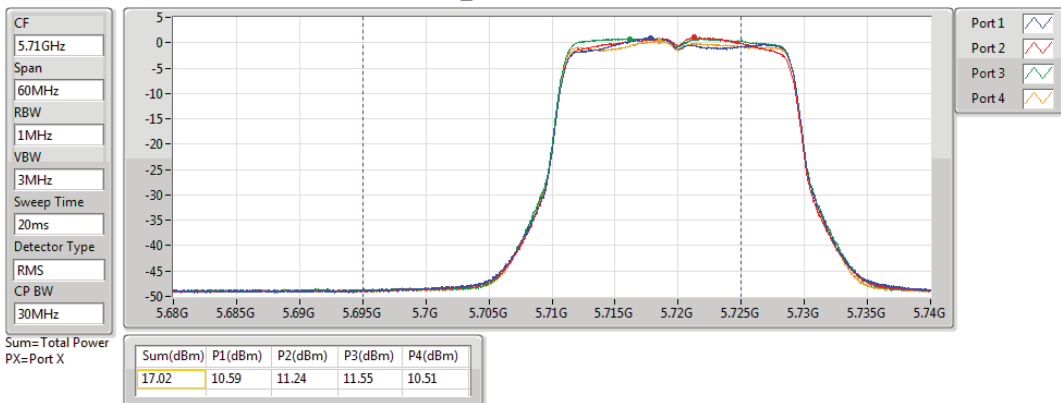


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020



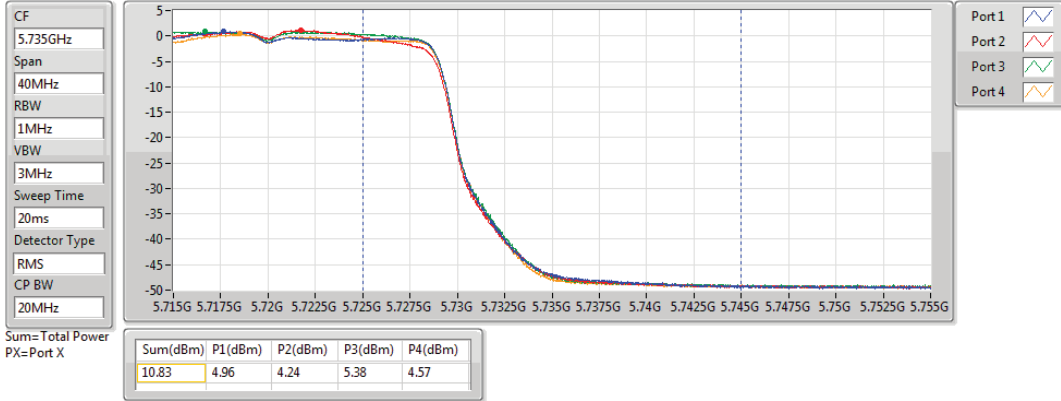


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020

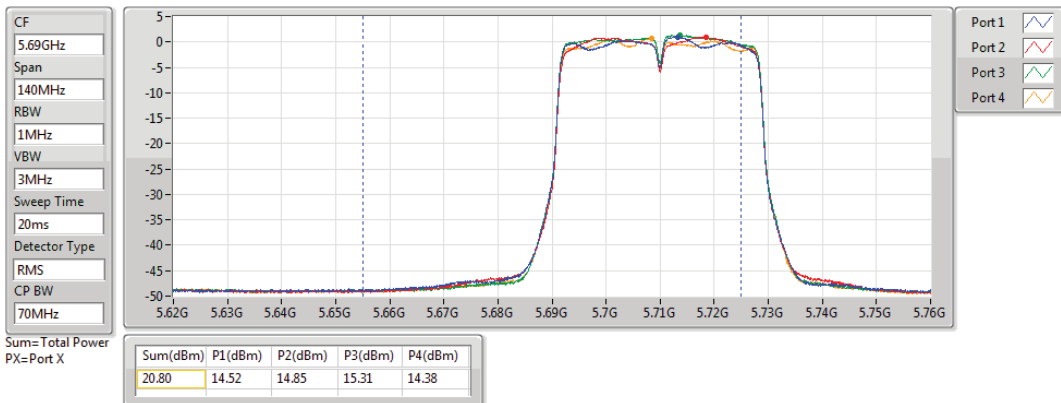


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020

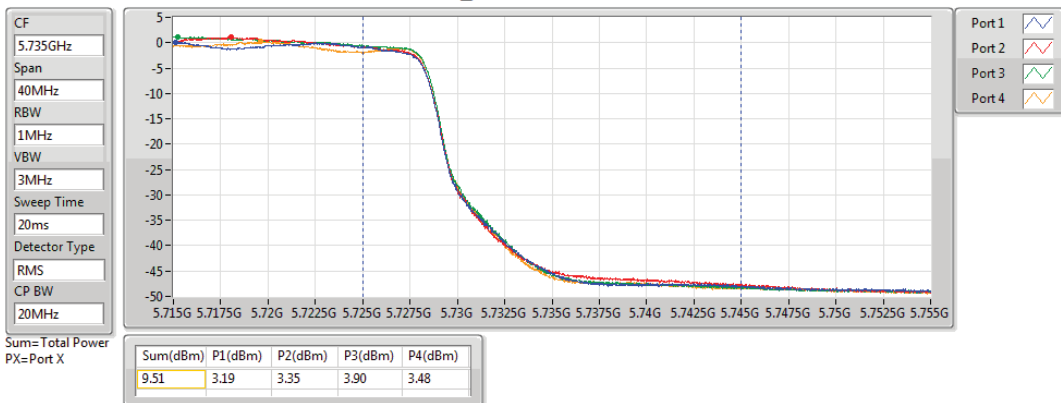


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020



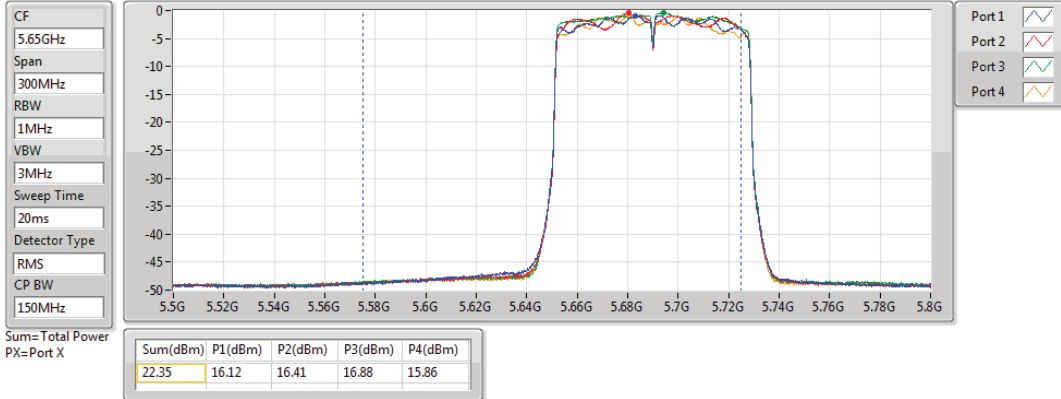


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020

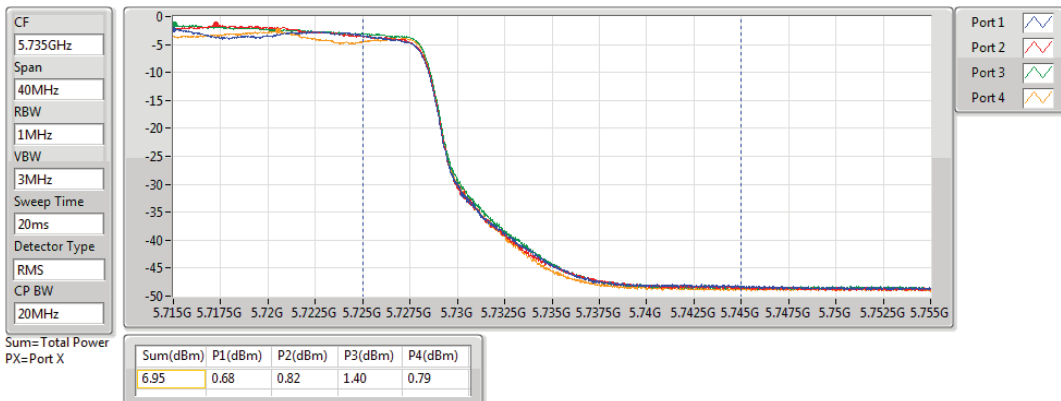


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020

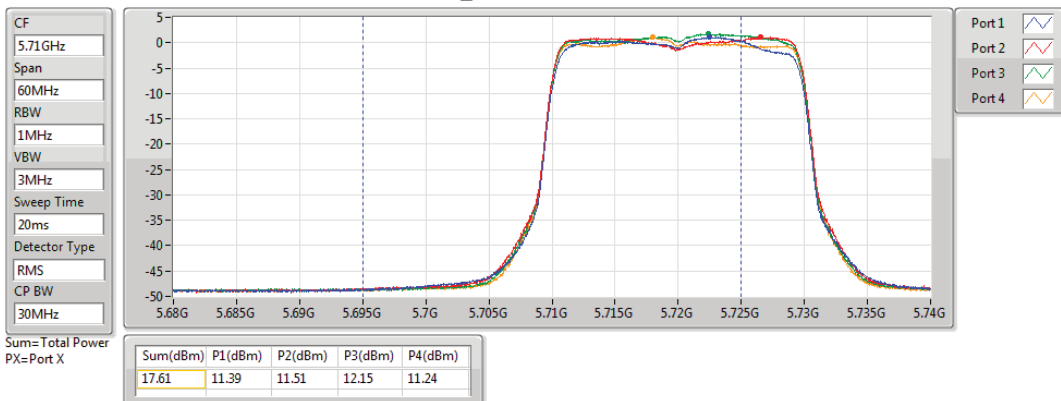


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020



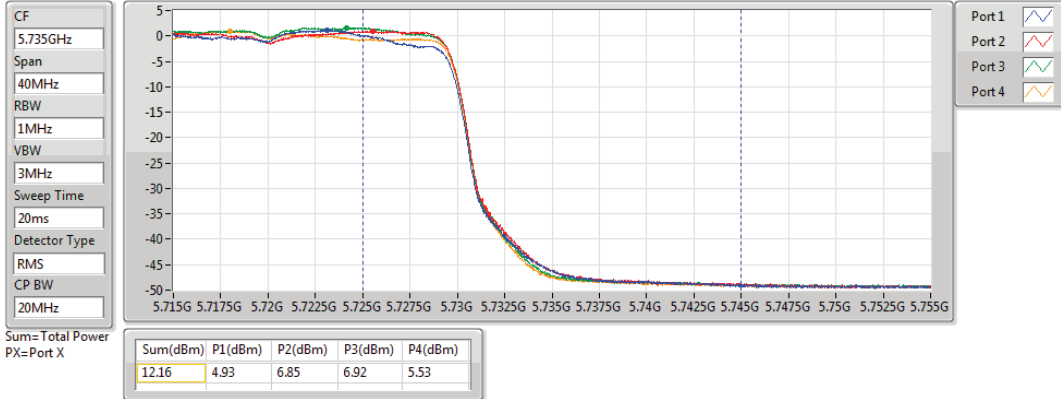


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020

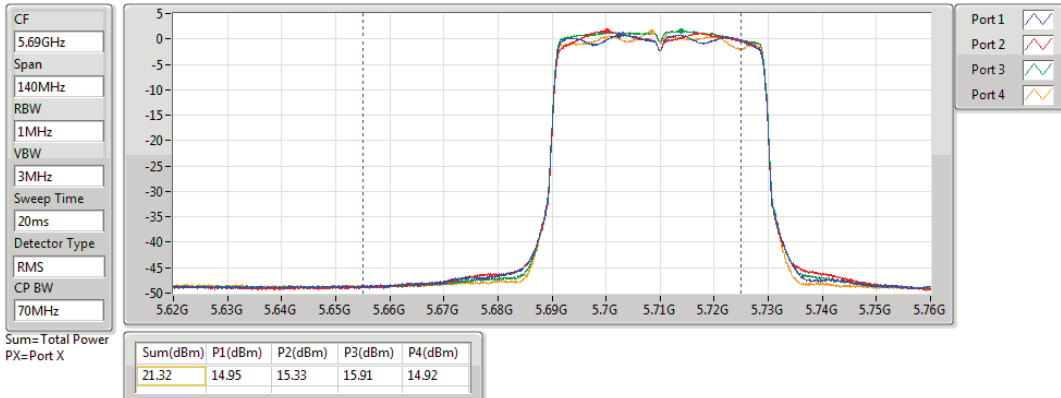


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020

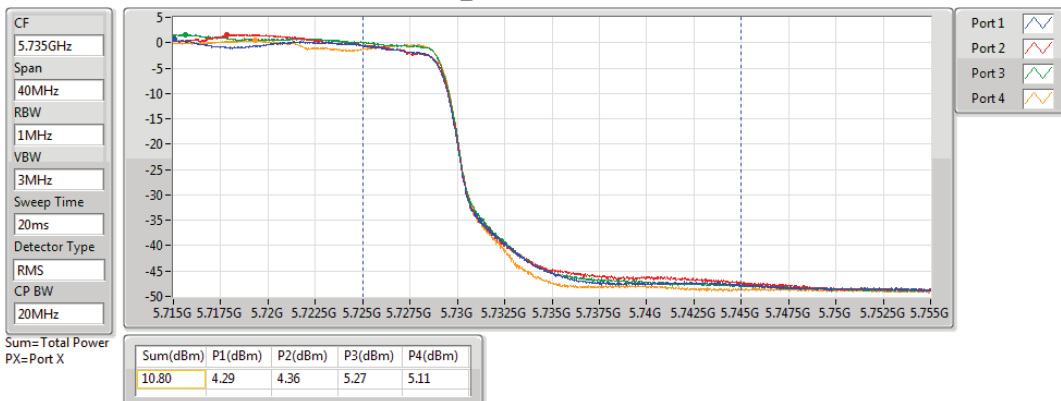


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020



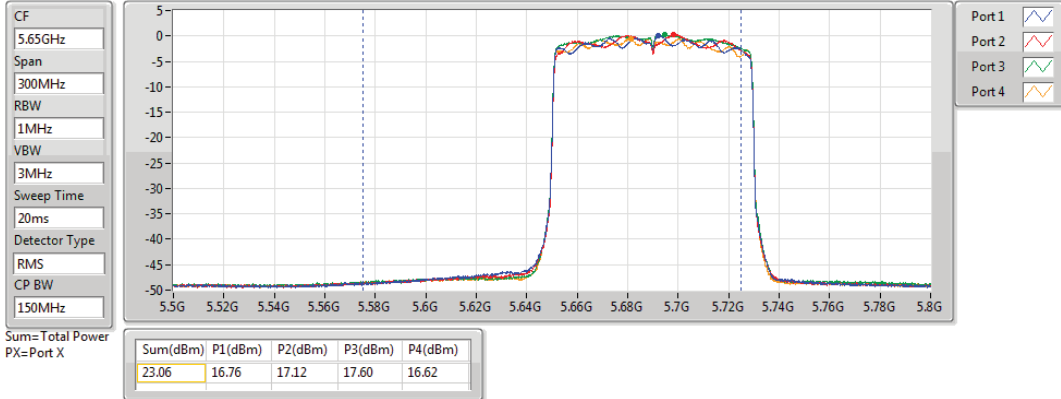


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/04/2020

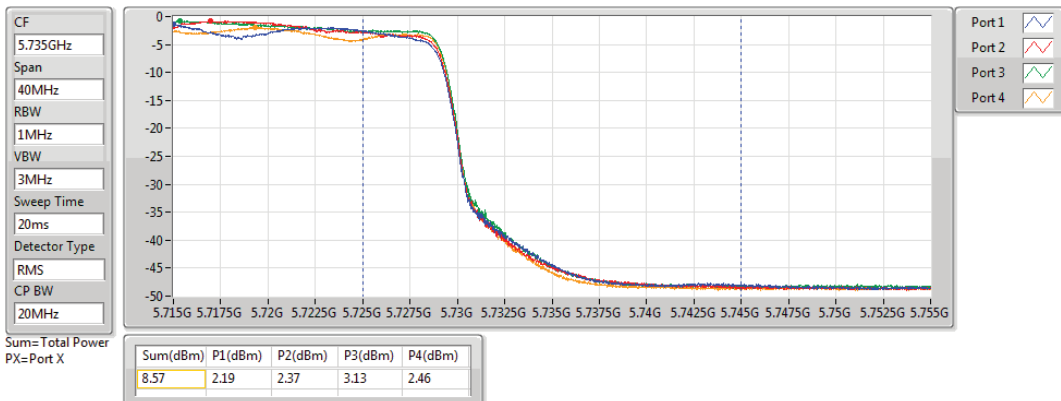


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/04/2020





MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result
Non Beamforming_Outdoor_Sample 3_Radio 1

Appendix B.7.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	16.94	0.04943	20.87	0.12218
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	16.99	0.05000	20.92	0.12359



MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result
_Non Beamforming_Outdoor_Sample 3_Radio 1

Appendix B.7.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	3.932	13.24	14.52			16.94	30.00	20.87	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	3.932	13.17	14.66			16.99	30.00	20.92	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	13.93	0.02472	22.48	0.17701
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	13.98	0.02500	22.53	0.17906
5.25-5.35GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	12.82	0.01914	24.49	0.28119
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	15.52	0.03565	27.19	0.52360
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.26	0.05321	28.93	0.78163
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	13.35	0.02163	22.12	0.16293
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	12.92	0.01959	24.59	0.28774
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	15.68	0.03698	27.35	0.54325
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.49	0.05610	29.16	0.82414
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	13.56	0.02270	22.33	0.17100
5.47-5.725GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	12.84	0.01923	24.51	0.28249
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	15.76	0.03767	27.43	0.55335
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.56	0.05702	29.23	0.83753
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	17.56	0.05702	29.23	0.83753
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	13.17	0.02075	24.84	0.30479
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	16.04	0.04018	27.71	0.59020
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.80	0.06026	29.47	0.88512
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	17.66	0.05834	29.33	0.85704
5.725-5.85GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	5.14	0.00327	16.81	0.04797
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	3.82	0.00241	15.49	0.03540
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	1.26	0.00134	12.93	0.01963
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	6.47	0.00444	18.14	0.06516
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	5.11	0.00324	16.78	0.04764
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	2.88	0.00194	14.55	0.02851



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	6.51	6.69	6.60	5.90	12.46	18.31	24.13	30.00
5300MHz	Pass	11.67	6.81	6.92	7.15	6.27	12.82	18.31	24.49	30.00
5320MHz	Pass	11.67	5.78	6.89	7.18	5.84	12.49	18.31	24.16	30.00
5500MHz	Pass	11.67	5.84	6.70	7.26	5.84	12.47	18.31	24.14	30.00
5580MHz	Pass	11.67	6.19	6.79	7.71	6.44	12.84	18.31	24.51	30.00
5700MHz	Pass	11.67	6.38	7.04	7.29	6.33	12.80	18.31	24.47	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	4.90	5.55	5.86	4.82	11.33	17.10	23.00	28.77
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-0.73	-1.45	-0.31	-1.12	5.14	24.33	16.81	36.00
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	9.22	9.84	9.79	9.10	15.52	18.31	27.19	30.00
5310MHz	Pass	11.67	8.69	9.55	9.90	9.09	15.35	18.31	27.02	30.00
5510MHz	Pass	11.67	9.34	9.78	10.43	9.16	15.73	18.31	27.40	30.00
5550MHz	Pass	11.67	9.19	9.71	10.48	9.17	15.69	18.31	27.36	30.00
5670MHz	Pass	11.67	9.54	9.72	10.32	9.33	15.76	18.31	27.43	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	8.83	9.16	9.62	8.69	15.11	18.31	26.78	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-2.50	-2.34	-1.79	-2.21	3.82	24.33	15.49	36.00
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	10.97	11.35	11.78	10.79	17.26	18.31	28.93	30.00
5530MHz	Pass	11.67	11.04	11.45	12.44	11.08	17.56	18.31	29.23	30.00
5610MHz	Pass	11.67	10.79	11.15	11.95	10.78	17.21	18.31	28.88	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	10.43	10.72	11.19	10.17	16.66	18.31	28.33	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-5.01	-4.87	-4.29	-4.90	1.26	24.33	12.93	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,#5290MHz	Pass	8.55	10.23	11.51			13.93	27.45	22.48	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			10.95	9.64	13.35	21.21	22.12	30.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	11.18	11.89	12.10	10.89	17.56	18.31	29.23	30.00
802.11ac HEW20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	6.54	6.84	6.77	6.39	12.66	18.31	24.33	30.00
5300MHz	Pass	11.67	6.35	7.11	7.48	6.50	12.90	18.31	24.57	30.00
5320MHz	Pass	11.67	6.49	7.28	7.46	6.23	12.92	18.31	24.59	30.00
5500MHz	Pass	11.67	6.42	6.89	7.56	6.41	12.87	18.31	24.54	30.00
5580MHz	Pass	11.67	6.56	6.97	7.94	6.72	13.10	18.31	24.77	30.00
5700MHz	Pass	11.67	6.79	7.52	7.48	6.74	13.17	18.31	24.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	5.70	5.82	6.46	5.55	11.92	17.25	23.59	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-0.76	1.16	1.23	-0.16	6.47	24.33	18.14	36.00
802.11ac HEW40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	9.44	10.03	9.92	9.20	15.68	18.31	27.35	30.00
5310MHz	Pass	11.67	8.87	9.77	10.03	9.32	15.54	18.31	27.21	30.00
5510MHz	Pass	11.67	9.59	9.84	10.63	9.31	15.89	18.31	27.56	30.00
5550MHz	Pass	11.67	9.25	9.70	10.70	9.48	15.84	18.31	27.51	30.00



Average Power_Beamforming_Outdoor_Sample 3_Radio 1

Appendix B.8

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5670MHz	Pass	11.67	9.60	9.96	10.75	9.67	16.04	18.31	27.71	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	9.26	9.64	10.22	9.23	15.63	18.31	27.30	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-1.40	-1.33	-0.42	-0.58	5.11	24.33	16.78	36.00
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	11.38	11.46	12.03	10.93	17.49	18.31	29.16	30.00
5530MHz	Pass	11.67	11.12	11.74	12.68	11.43	17.80	18.31	29.47	30.00
5610MHz	Pass	11.67	11.01	11.39	12.29	11.05	17.49	18.31	29.16	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	11.07	11.43	11.91	10.93	17.37	18.31	29.04	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-3.50	-3.32	-2.56	-3.23	2.88	24.33	14.55	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	8.55	10.16	11.65			13.98	27.45	22.53	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			11.19	9.79	13.56	21.21	22.33	30.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	11.55	11.84	12.20	10.88	17.66	18.31	29.33	30.00

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



Average Power_Non-Beamforming_Outdoor_Sample 3_Radio 3 Appendix B.9

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.92	0.12359	26.89	0.48865
802.11ac VHT20_Nss1,(MCS0)_2TX	21.34	0.13614	27.31	0.53827
802.11ac VHT40_Nss1,(MCS0)_2TX	23.27	0.21232	29.24	0.83946
802.11ac VHT80_Nss1,(MCS0)_2TX	15.53	0.03573	21.50	0.14125
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.23	0.13274	27.20	0.52481
802.11ac VHT20_Nss1,(MCS0)_2TX	21.09	0.12853	27.06	0.50816
802.11ac VHT40_Nss1,(MCS0)_2TX	21.63	0.14555	27.60	0.57544
802.11ac VHT80_Nss1,(MCS0)_2TX	21.71	0.14825	27.68	0.58614
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.35	0.02163	19.32	0.08551
802.11ac VHT20_Nss1,(MCS0)_2TX	13.21	0.02094	19.18	0.08279
802.11ac VHT40_Nss1,(MCS0)_2TX	8.90	0.00776	14.87	0.03069
802.11ac VHT80_Nss1,(MCS0)_2TX	3.92	0.00247	9.89	0.00975



Average Power_Non-Beamforming_Outdoor_Sample 3_Radio 3 Appendix B.9

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.97	18.04	17.78	20.92	23.98	26.89	30.00
5300MHz	Pass	5.97	16.66	17.47	20.09	23.98	26.06	30.00
5320MHz	Pass	5.97	16.92	18.00	20.50	23.98	26.47	30.00
5500MHz	Pass	5.97	17.49	17.35	20.43	23.98	26.40	30.00
5580MHz	Pass	5.97	19.12	17.08	21.23	23.98	27.20	30.00
5700MHz	Pass	5.97	17.91	17.07	20.52	23.98	26.49	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.97	16.93	16.31	19.64	23.98	25.61	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.97	10.55	10.12	13.35	30.00	19.32	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.97	18.42	18.24	21.34	23.98	27.31	30.00
5300MHz	Pass	5.97	16.96	18.01	20.53	23.98	26.50	30.00
5320MHz	Pass	5.97	17.37	18.55	21.01	23.98	26.98	30.00
5500MHz	Pass	5.97	16.74	16.80	19.78	23.98	25.75	30.00
5580MHz	Pass	5.97	18.94	17.00	21.09	23.98	27.06	30.00
5700MHz	Pass	5.97	16.07	15.60	18.85	23.98	24.82	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.97	16.20	15.80	19.01	23.98	24.98	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.97	10.38	10.01	13.21	30.00	19.18	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.97	20.18	20.33	23.27	23.98	29.24	30.00
5310MHz	Pass	5.97	15.38	14.87	18.14	23.98	24.11	30.00
5510MHz	Pass	5.97	12.98	13.14	16.07	23.98	22.04	30.00
5550MHz	Pass	5.97	19.31	17.80	21.63	23.98	27.60	30.00
5670MHz	Pass	5.97	16.72	17.05	19.90	23.98	25.87	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.97	17.53	16.35	19.99	23.98	25.96	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.97	6.27	5.47	8.90	30.00	14.87	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.97	12.70	12.33	15.53	23.98	21.50	30.00
5530MHz	Pass	5.97	11.71	11.62	14.68	23.98	20.65	30.00
5610MHz	Pass	5.97	19.01	18.36	21.71	23.98	27.68	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.97	15.81	16.29	19.07	23.98	25.04	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.97	0.35	1.41	3.92	30.00	9.89	36.00

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

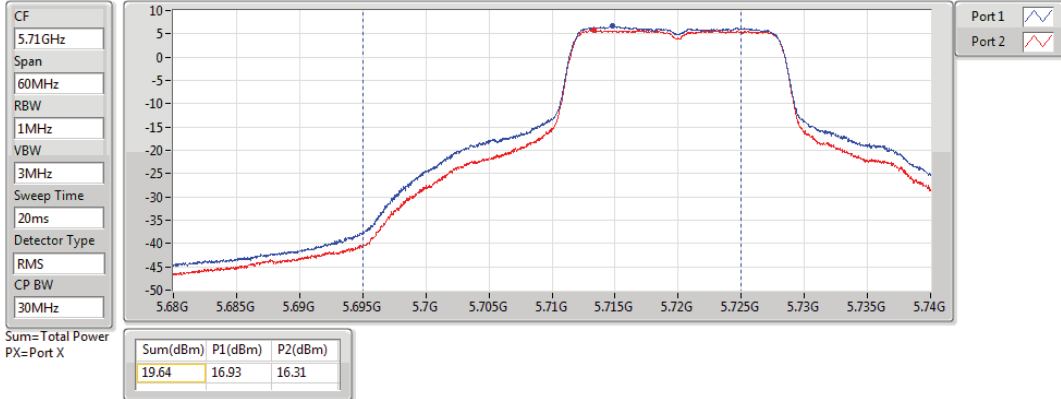


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

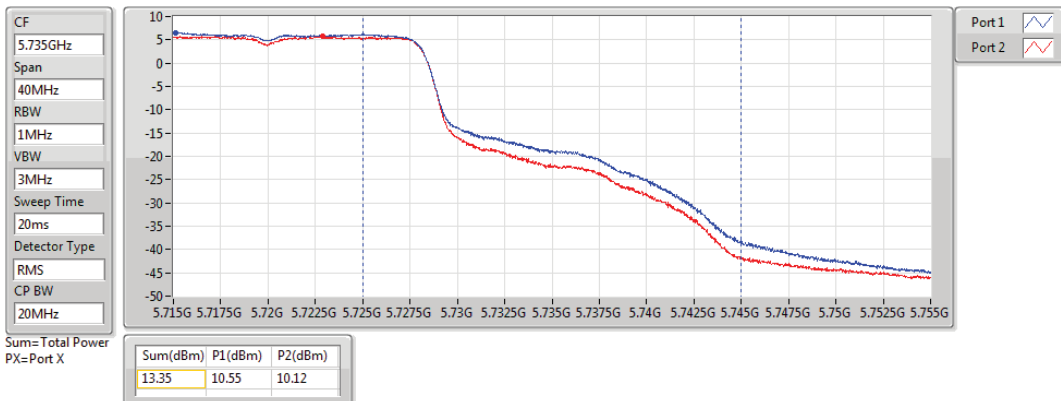


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020

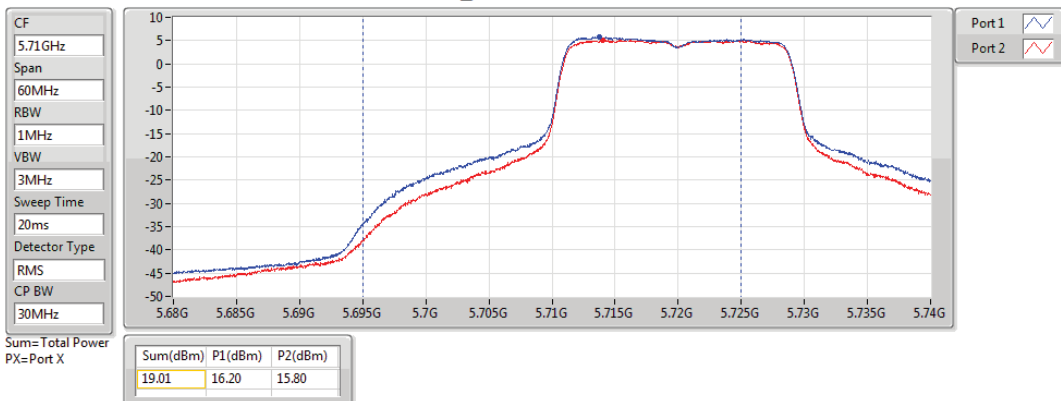


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020



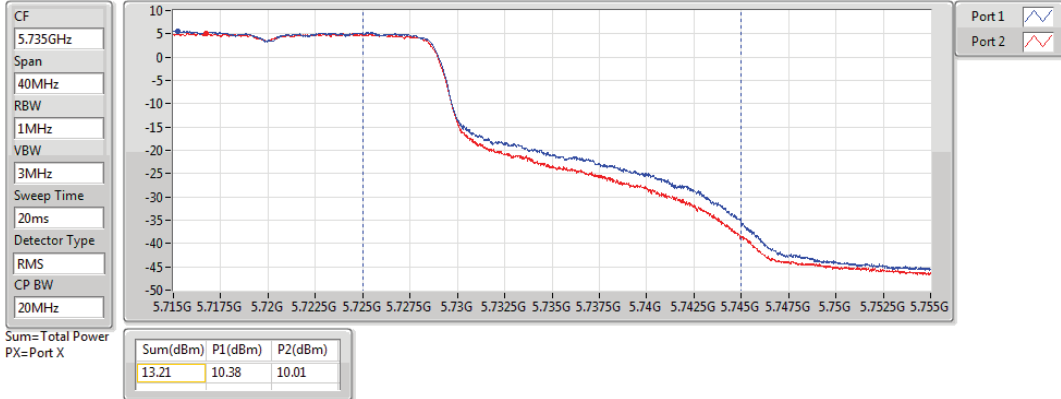


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020

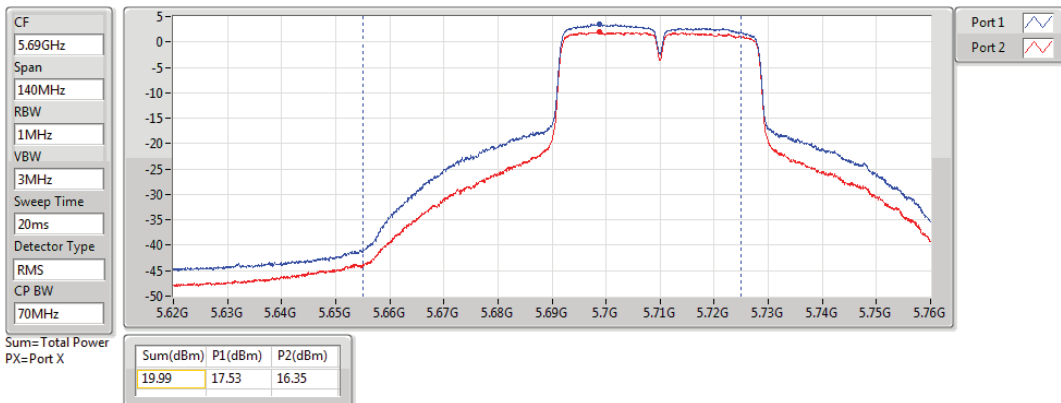


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

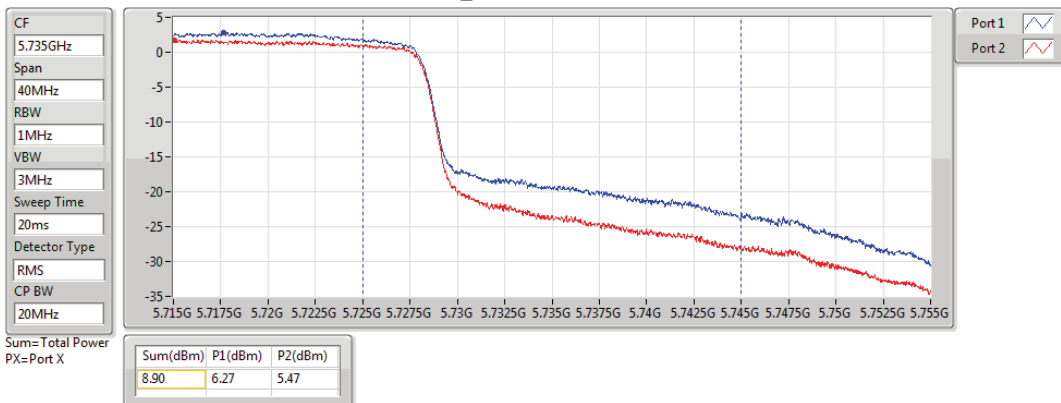


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020



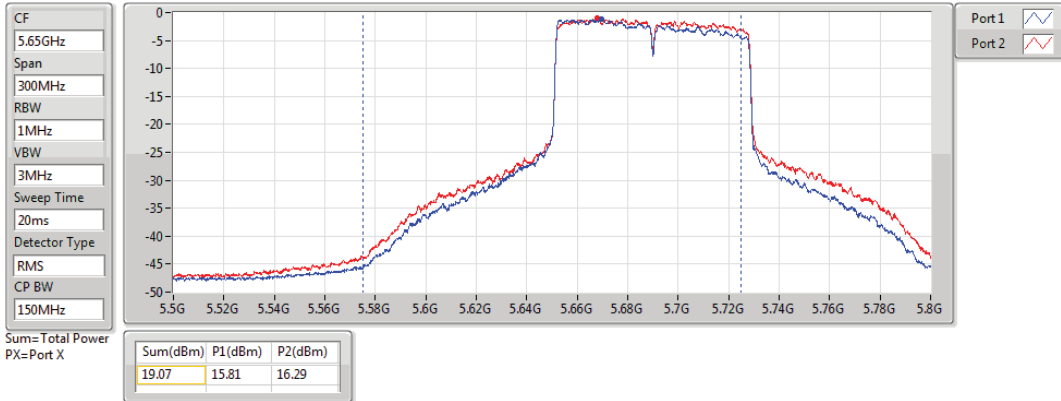


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

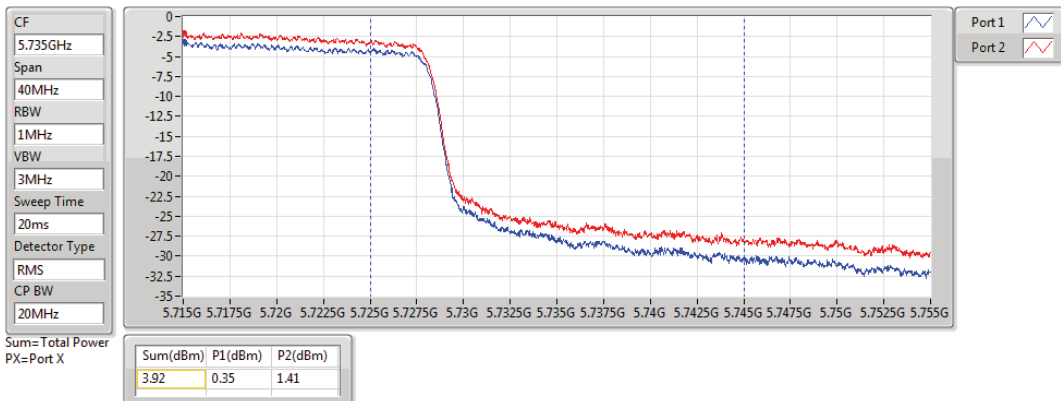


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020





Average Power_Non-Beamforming_Outdoor_Sample 4_Radio 1 Appendix B.10

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX	17.46	0.05572	22.65	0.18408
802.11ax HEW80+80_Nss1,(MCS0)_2TX	17.51	0.05636	22.70	0.18621
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.25	0.08414	25.34	0.34198
802.11ac VHT20_Nss1,(MCS0)_4TX	19.29	0.08492	25.38	0.34514
802.11ac VHT40_Nss1,(MCS0)_4TX	22.16	0.16444	28.25	0.66834
802.11ac VHT80_Nss1,(MCS0)_4TX	19.38	0.08670	25.47	0.35237
802.11ac VHT80+80_Nss1,(MCS0)_2TX	17.07	0.05093	23.16	0.20701
802.11ax HEW20_Nss1,(MCS0)_4TX	19.64	0.09204	25.73	0.37411
802.11ax HEW40_Nss1,(MCS0)_4TX	22.38	0.17298	28.47	0.70307
802.11ax HEW80_Nss1,(MCS0)_4TX	19.67	0.09268	25.76	0.37670
802.11ax HEW80+80_Nss1,(MCS0)_2TX	17.21	0.05260	23.30	0.21380
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.03	0.07998	25.12	0.32509
802.11ac VHT20_Nss1,(MCS0)_4TX	18.96	0.07870	25.05	0.31989
802.11ac VHT40_Nss1,(MCS0)_4TX	22.19	0.16558	28.28	0.67298
802.11ac VHT80_Nss1,(MCS0)_4TX	23.12	0.20512	29.21	0.83368
802.11ac VHT80+80_Nss1,(MCS0)_4TX	23.15	0.20654	29.24	0.83946
802.11ax HEW20_Nss1,(MCS0)_4TX	19.37	0.08650	25.46	0.35156
802.11ax HEW40_Nss1,(MCS0)_4TX	22.32	0.17061	28.41	0.69343
802.11ax HEW80_Nss1,(MCS0)_4TX	23.38	0.21777	29.47	0.88512
802.11ax HEW80+80_Nss1,(MCS0)_4TX	23.24	0.21086	29.33	0.85704
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	9.32	0.00855	15.41	0.03475
802.11ac VHT20_Nss1,(MCS0)_4TX	10.92	0.01236	17.01	0.05023
802.11ac VHT40_Nss1,(MCS0)_4TX	8.83	0.00764	14.92	0.03105
802.11ac VHT80_Nss1,(MCS0)_4TX	7.30	0.00537	13.39	0.02183
802.11ax HEW20_Nss1,(MCS0)_4TX	12.08	0.01614	18.17	0.06561
802.11ax HEW40_Nss1,(MCS0)_4TX	9.73	0.00940	15.82	0.03819
802.11ax HEW80_Nss1,(MCS0)_4TX	8.40	0.00692	14.49	0.02812



Average Power_Non-Beamforming_Outdoor_Sample 4_Radio 1 Appendix B.10

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.09	12.93	13.61	13.56	12.74	19.25	23.76	25.34	29.85
5300MHz	Pass	6.09	12.33	13.19	13.61	12.63	18.99	23.77	25.08	29.86
5320MHz	Pass	6.09	12.47	13.42	13.43	12.49	19.00	23.75	25.09	29.84
5500MHz	Pass	6.09	12.40	12.79	13.46	12.28	18.78	23.76	24.87	29.85
5580MHz	Pass	6.09	12.51	12.98	13.70	12.74	19.03	23.72	25.12	29.81
5700MHz	Pass	6.09	12.64	13.24	13.24	12.57	18.95	23.74	25.04	29.83
5720MHz Straddle 5.47-5.725GHz	Pass	6.09	10.34	10.76	11.25	10.51	16.75	22.47	22.84	28.56
5720MHz Straddle 5.725-5.85GHz	Pass	6.09	3.28	3.59	4.40	1.39	9.32	29.91	15.41	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.09	12.87	13.45	13.31	12.61	19.09	23.89	25.18	30.00
5300MHz	Pass	6.09	12.62	13.51	13.91	12.68	19.24	23.89	25.33	30.00
5320MHz	Pass	6.09	12.57	13.72	13.90	12.71	19.29	23.89	25.38	30.00
5500MHz	Pass	6.09	12.43	13.16	13.65	12.41	18.96	23.89	25.05	30.00
5580MHz	Pass	6.09	11.93	12.89	13.58	12.45	18.78	23.89	24.87	30.00
5700MHz	Pass	6.09	12.16	13.27	13.31	12.39	18.83	23.89	24.92	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.09	10.81	11.31	11.46	10.83	17.13	22.68	23.22	28.77
5720MHz Straddle 5.725-5.85GHz	Pass	6.09	5.19	4.74	5.76	3.66	10.92	29.91	17.01	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.09	15.58	16.45	16.65	15.79	22.16	23.89	28.25	30.00
5310MHz	Pass	6.09	15.52	16.42	16.57	15.68	22.09	23.89	28.18	30.00
5510MHz	Pass	6.09	15.60	16.35	16.89	15.70	22.19	23.89	28.28	30.00
5550MHz	Pass	6.09	15.55	16.08	16.91	15.54	22.08	23.89	28.17	30.00
5670MHz	Pass	6.09	15.57	15.76	16.25	15.37	21.77	23.89	27.86	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.09	14.26	14.55	14.80	14.24	20.49	23.89	26.58	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.09	2.86	3.34	3.16	1.70	8.83	29.91	14.92	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.09	12.58	13.66	14.09	12.94	19.38	23.89	25.47	30.00
5530MHz	Pass	6.09	16.37	17.07	17.74	16.37	22.95	23.89	29.04	30.00
5610MHz	Pass	6.09	16.65	17.25	17.83	16.53	23.12	23.89	29.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.09	16.77	17.16	17.34	16.69	23.02	23.89	29.11	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.09	1.40	1.87	1.57	0.08	7.30	29.91	13.39	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.19	14.07	14.79			17.46	30.00	22.65	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	6.09	-	-	14.66	13.37	17.07	23.89	23.16	30.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	6.09	16.83	17.49	17.59	16.52	23.15	23.89	29.24	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.09	12.96	13.65	13.70	12.85	19.33	23.89	25.42	30.00
5300MHz	Pass	6.09	12.97	13.70	14.10	13.23	19.54	23.89	25.63	30.00
5320MHz	Pass	6.09	13.20	13.87	14.12	13.23	19.64	23.89	25.73	30.00
5500MHz	Pass	6.09	13.10	13.45	13.93	12.85	19.37	23.89	25.46	30.00
5580MHz	Pass	6.09	12.51	12.89	13.71	13.17	19.11	23.89	25.20	30.00



Average Power_Non-Beamforming_Outdoor_Sample 4_Radio 1 Appendix B.10

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5700MHz	Pass	6.09	12.78	13.32	13.36	12.88	19.11	23.89	25.20	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.09	10.46	11.58	11.68	10.63	17.14	22.80	23.23	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	6.09	6.65	5.41	5.73	6.33	12.08	29.91	18.17	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.09	15.75	16.73	16.86	15.99	22.38	23.89	28.47	30.00
5310MHz	Pass	6.09	15.58	16.45	16.74	15.63	22.15	23.89	28.24	30.00
5510MHz	Pass	6.09	15.86	16.40	16.99	15.83	22.32	23.89	28.41	30.00
5550MHz	Pass	6.09	15.64	16.19	17.07	15.74	22.22	23.89	28.31	30.00
5670MHz	Pass	6.09	15.72	15.88	16.44	15.11	21.83	23.89	27.92	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.09	14.35	14.61	14.89	14.23	20.55	23.89	26.64	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.09	3.96	4.28	4.13	2.13	9.73	29.91	15.82	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.09	13.13	13.75	14.42	13.19	19.67	23.89	25.76	30.00
5530MHz	Pass	6.09	16.74	17.24	18.04	16.75	23.25	23.89	29.34	30.00
5610MHz	Pass	6.09	16.97	17.50	18.12	16.71	23.38	23.89	29.47	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.09	17.01	17.35	17.54	16.72	23.19	23.89	29.28	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.09	2.74	2.81	2.96	0.62	8.40	29.91	14.49	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.19	14.20	14.78			17.51	30.00	22.70	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	6.09	-	-	14.71	13.62	17.21	23.89	23.30	30.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	6.09	16.90	17.63	17.66	16.59	23.24	23.89	29.33	30.00

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

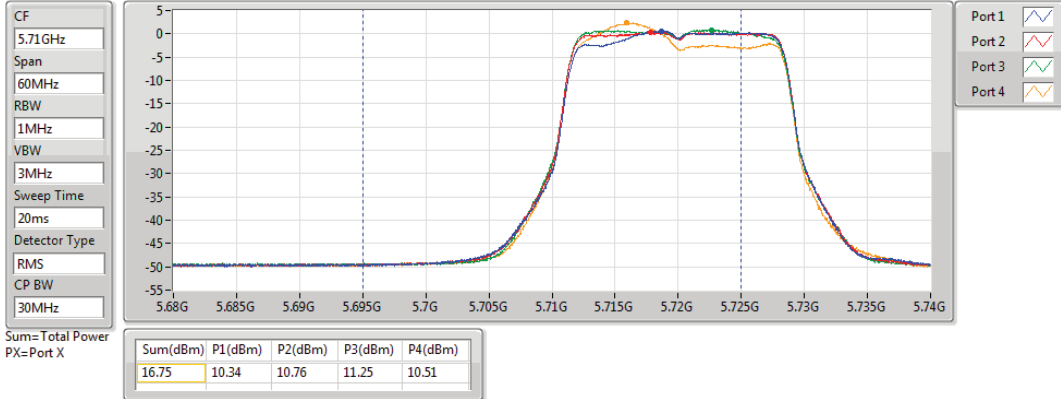


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020

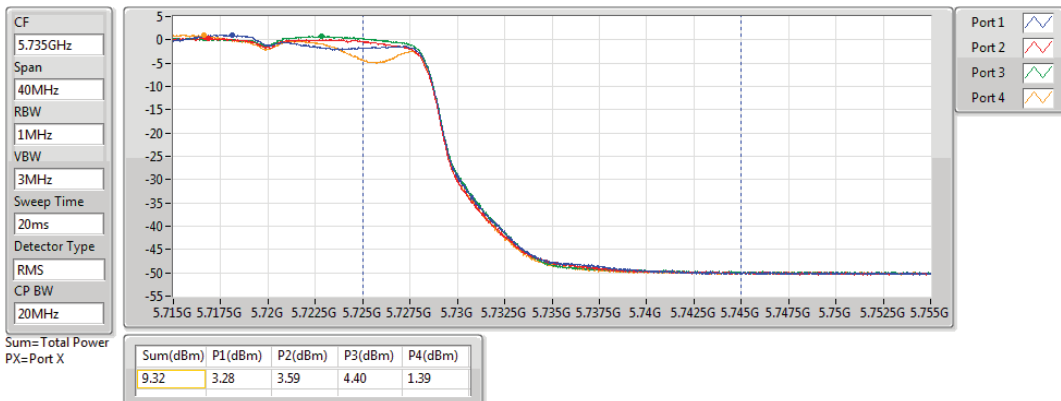


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020

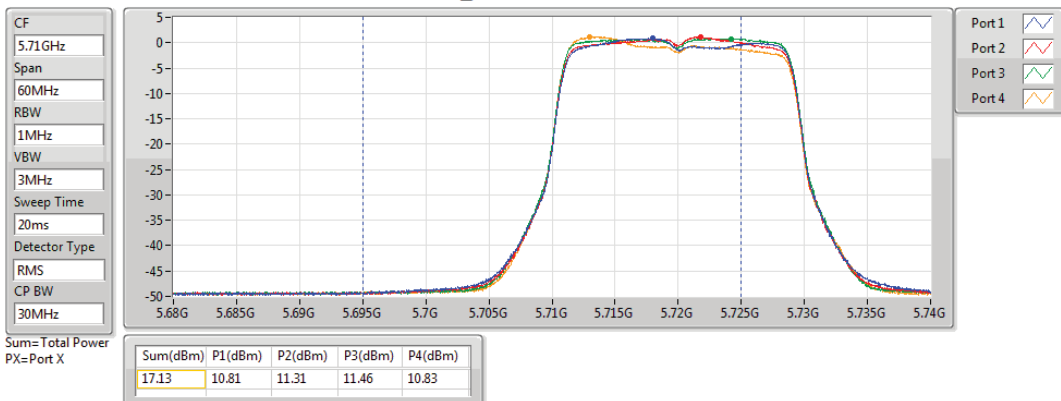


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020



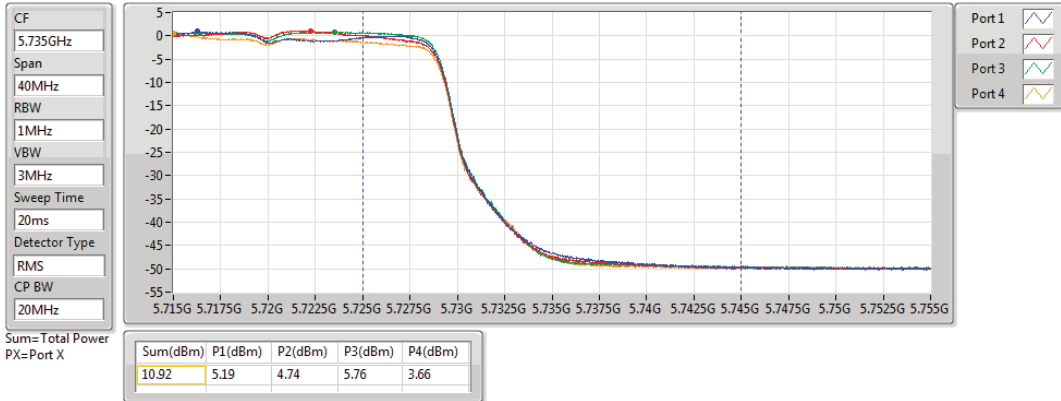


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020

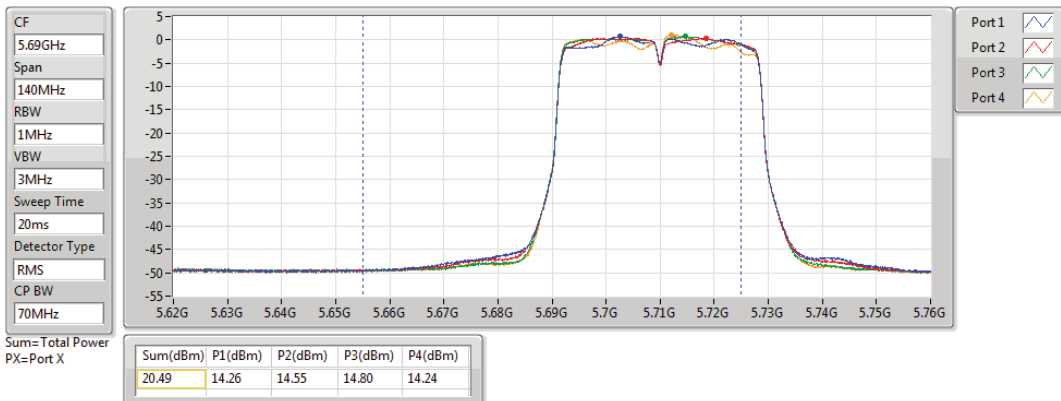


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020

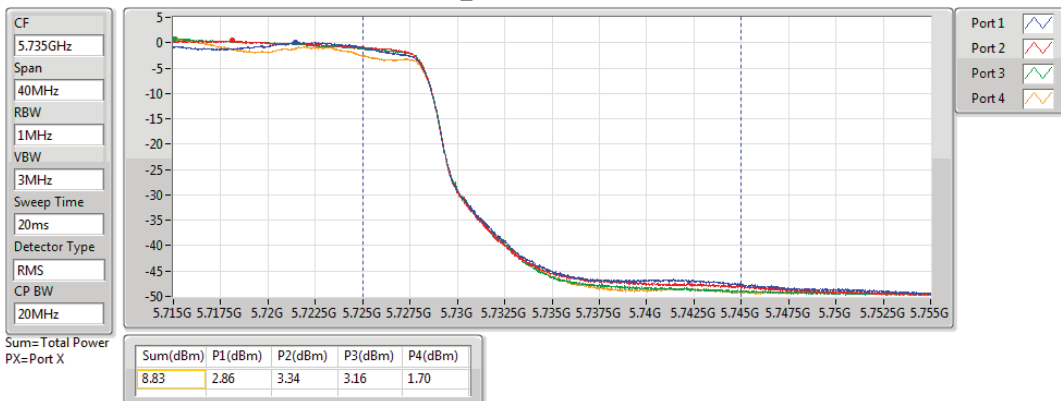


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020



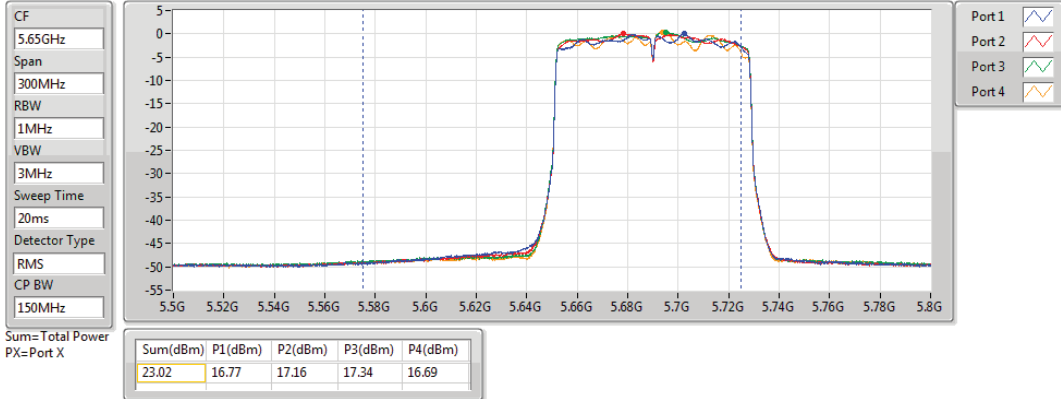


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020

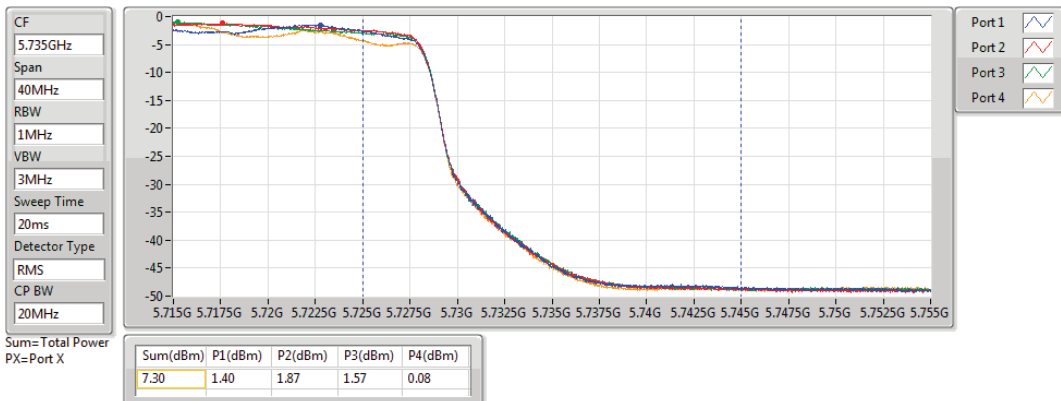


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020

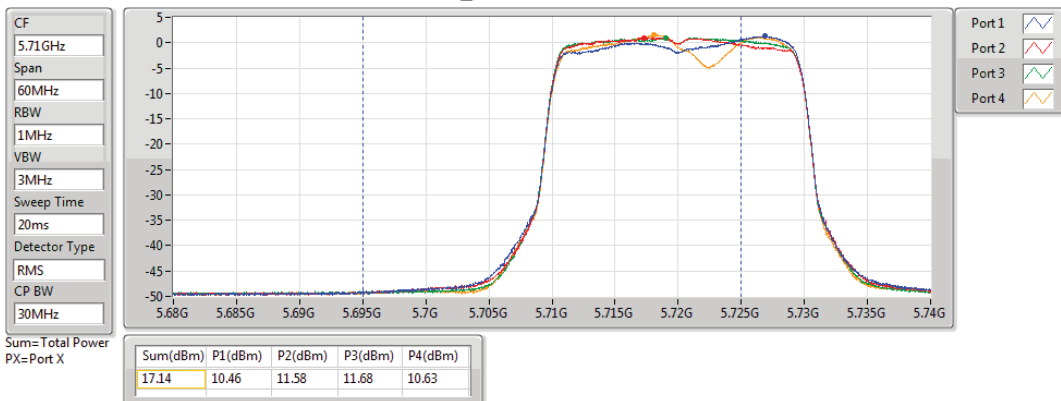


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020



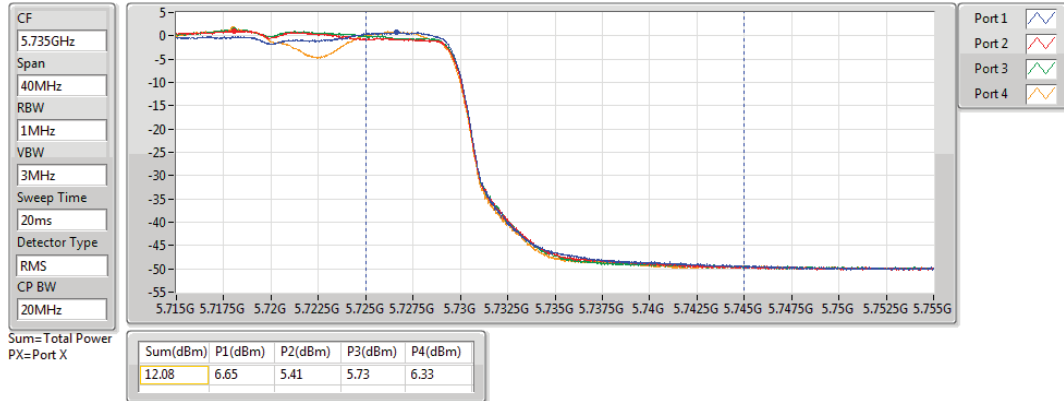


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020

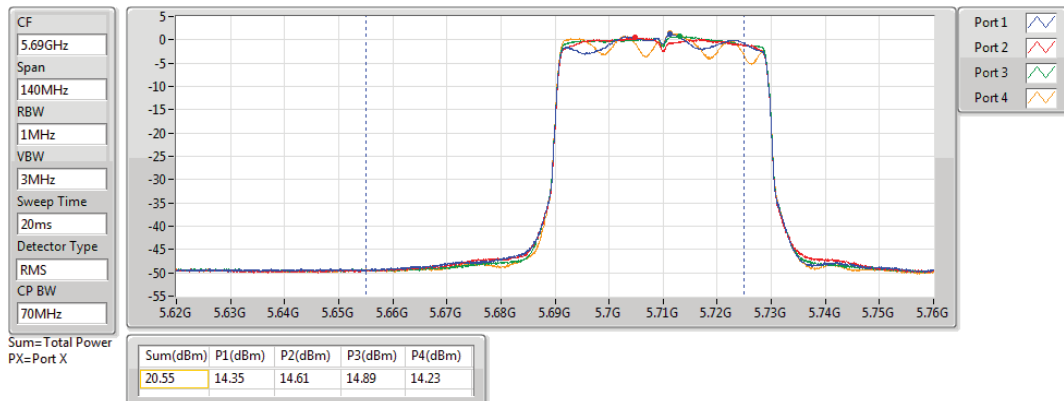


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020

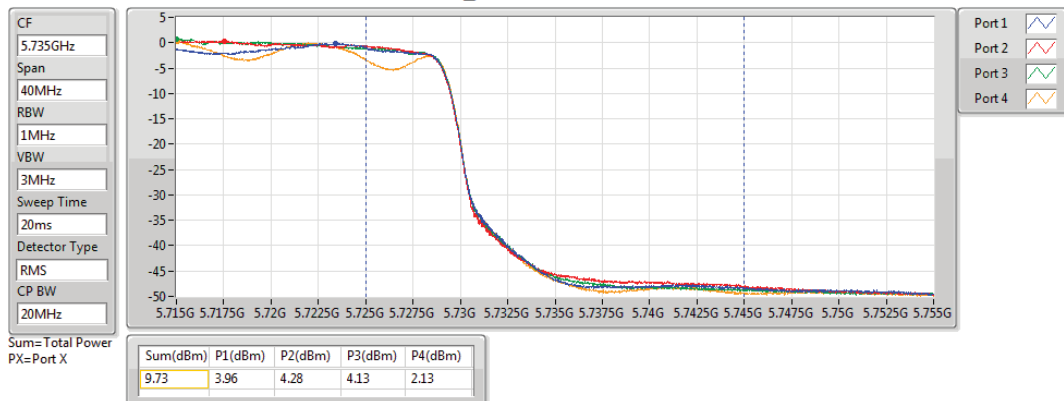


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020



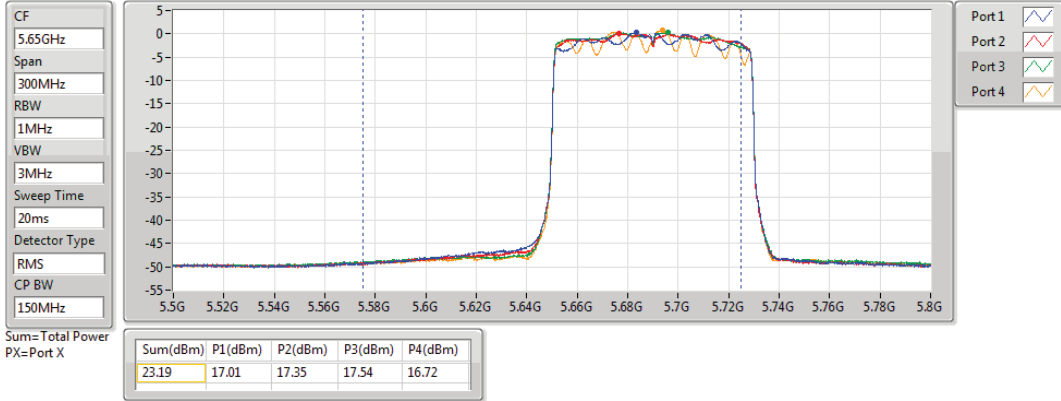


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

05/04/2020

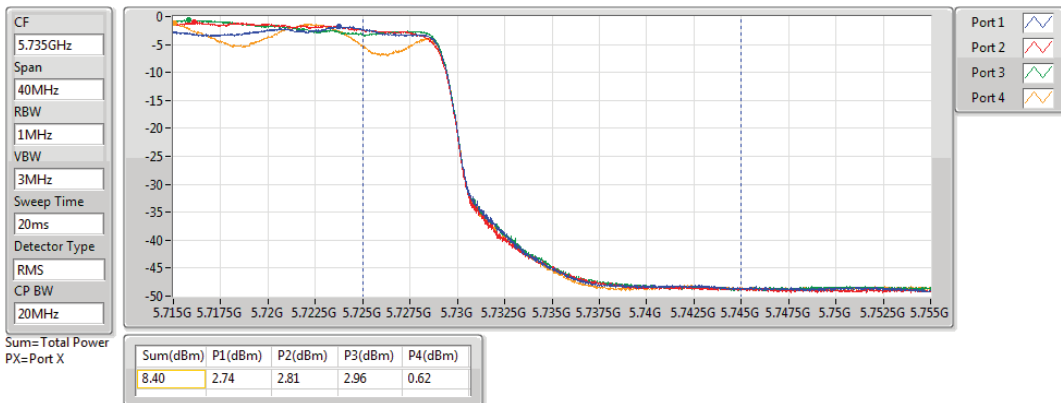


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

05/04/2020





MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result
_Non Beamforming_Outdoor_Sample 4_Radio 1

Appendix B.10.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	17.61	0.05768	17.60	0.05754
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	17.70	0.05888	17.69	0.05875



MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result
_Non Beamforming_Outdoor_Sample 4_Radio 1

Appendix B.10.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	-0.009	14.34	14.85			17.61	30.00	17.60	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	-0.009	14.62	14.75			17.70	30.00	17.69	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX	14.74	0.02979	22.65	0.18408
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX	14.79	0.03013	22.70	0.18621
5.25-5.35GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	13.85	0.02427	25.38	0.34514
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	16.72	0.04699	28.25	0.66834
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	13.94	0.02477	25.47	0.35237
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX	14.07	0.02553	23.16	0.20701
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	14.20	0.02630	25.73	0.37411
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	16.94	0.04943	28.47	0.70307
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	14.23	0.02649	25.76	0.37670
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX	14.21	0.02636	23.30	0.21380
5.47-5.725GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	13.52	0.02249	25.05	0.31989
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	16.75	0.04732	28.28	0.67298
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	17.68	0.05861	29.21	0.83368
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	17.71	0.05902	29.24	0.83946
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	13.93	0.02472	25.46	0.35156
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	16.88	0.04875	28.41	0.69343
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	17.94	0.06223	29.47	0.88512
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	17.80	0.06026	29.33	0.85704
5.725-5.85GHz	-	-	-	-
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	5.48	0.00353	17.01	0.05023
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	3.39	0.00218	14.92	0.03105
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	1.86	0.00153	13.39	0.02183
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	6.64	0.00461	18.17	0.06561
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	4.29	0.00269	15.82	0.03819
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	2.96	0.00198	14.49	0.02812

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.53	7.43	8.01	7.87	7.17	13.65	18.45	25.18	30.00
5300MHz	Pass	11.53	7.18	8.07	8.47	7.24	13.80	18.45	25.33	30.00
5320MHz	Pass	11.53	7.13	8.28	8.46	7.27	13.85	18.45	25.38	30.00
5500MHz	Pass	11.53	6.99	7.72	8.21	6.97	13.52	18.45	25.05	30.00
5580MHz	Pass	11.53	6.49	7.45	8.14	7.01	13.34	18.45	24.87	30.00
5700MHz	Pass	11.53	6.72	7.83	7.87	6.95	13.39	18.45	24.92	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.53	5.37	5.87	6.02	5.39	11.69	17.24	23.22	28.77
5720MHz Straddle 5.725-5.85GHz	Pass	11.53	-0.25	-0.70	0.32	-1.78	5.48	24.47	17.01	36.00
802.11ac VHT40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.53	10.14	11.01	11.21	10.35	16.72	18.45	28.25	30.00
5310MHz	Pass	11.53	10.08	10.98	11.13	10.24	16.65	18.45	28.18	30.00
5510MHz	Pass	11.53	10.16	10.91	11.45	10.26	16.75	18.45	28.28	30.00
5550MHz	Pass	11.53	10.11	10.64	11.47	10.10	16.64	18.45	28.17	30.00
5670MHz	Pass	11.53	10.13	10.32	10.81	9.93	16.33	18.45	27.86	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.53	8.82	9.11	9.36	8.80	15.05	18.45	26.58	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.53	-2.58	-2.10	-2.28	-3.74	3.39	24.47	14.92	36.00
802.11ac VHT80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.53	7.14	8.22	8.65	7.50	13.94	18.45	25.47	30.00
5530MHz	Pass	11.53	10.93	11.63	12.30	10.93	17.51	18.45	29.04	30.00
5610MHz	Pass	11.53	11.21	11.81	12.39	11.09	17.68	18.45	29.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.53	11.33	11.72	11.90	11.25	17.58	18.45	29.11	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.53	-4.04	-3.57	-3.87	-5.36	1.86	24.47	13.39	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	7.91	11.35	12.07			14.74	28.09	22.65	36.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	9.09			11.66	10.37	14.07	20.89	23.16	30.00
802.11ac VHT80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.53	11.39	12.05	12.15	11.08	17.71	18.45	29.24	30.00
802.11ax HEW20,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.53	7.52	8.21	8.26	7.41	13.89	18.45	25.42	30.00
5300MHz	Pass	11.53	7.53	8.26	8.66	7.79	14.10	18.45	25.63	30.00
5320MHz	Pass	11.53	7.76	8.43	8.68	7.79	14.20	18.45	25.73	30.00
5500MHz	Pass	11.53	7.66	8.01	8.49	7.41	13.93	18.45	25.46	30.00
5580MHz	Pass	11.53	7.07	7.45	8.27	7.73	13.67	18.45	25.20	30.00
5700MHz	Pass	11.53	7.34	7.88	7.92	7.44	13.67	18.45	25.20	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.53	5.02	6.14	6.24	5.19	11.70	17.36	23.23	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	11.53	1.21	-0.03	0.29	0.89	6.64	24.47	18.17	36.00
802.11ax HEW40,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.53	10.31	11.29	11.42	10.55	16.94	18.45	28.47	30.00
5310MHz	Pass	11.53	10.14	11.01	11.30	10.19	16.71	18.45	28.24	30.00
5510MHz	Pass	11.53	10.42	10.96	11.55	10.39	16.88	18.45	28.41	30.00
5550MHz	Pass	11.53	10.20	10.75	11.63	10.30	16.78	18.45	28.31	30.00
5670MHz	Pass	11.53	10.28	10.44	11.00	9.67	16.39	18.45	27.92	30.00



Average Power_Beamforming_Outdoor_Sample 4_Radio 1

Appendix B.11

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.47-5.725GHz	Pass	11.53	8.91	9.17	9.45	8.79	15.11	18.45	26.64	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.53	-1.48	-1.16	-1.31	-3.31	4.29	24.47	15.82	36.00
802.11ax HEW80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.53	7.69	8.31	8.98	7.75	14.23	18.45	25.76	30.00
5530MHz	Pass	11.53	11.30	11.80	12.60	11.31	17.81	18.45	29.34	30.00
5610MHz	Pass	11.53	11.53	12.06	12.68	11.27	17.94	18.45	29.47	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.53	11.57	11.91	12.10	11.28	17.75	18.45	29.28	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.53	-2.70	-2.63	-2.48	-4.82	2.96	24.47	14.49	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	7.91	11.48	12.06			14.79	28.09	22.70	36.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	9.09			11.71	10.62	14.21	20.89	23.30	30.00
802.11ax HEW80+80,BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.53	11.46	12.19	12.22	11.15	17.80	18.45	29.33	30.00

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



Average Power_Non-Beamforming_Outdoor_Sample 4_Radio 3 Appendix B.12

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.51	0.11246	26.50	0.44668
802.11ac VHT20_Nss1,(MCS0)_2TX	20.91	0.12331	26.90	0.48978
802.11ac VHT40_Nss1,(MCS0)_2TX	22.96	0.19770	28.95	0.78524
802.11ac VHT80_Nss1,(MCS0)_2TX	12.85	0.01928	18.84	0.07656
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.61	0.11508	26.60	0.45709
802.11ac VHT20_Nss1,(MCS0)_2TX	21.07	0.12794	27.06	0.50816
802.11ac VHT40_Nss1,(MCS0)_2TX	21.93	0.15596	27.92	0.61944
802.11ac VHT80_Nss1,(MCS0)_2TX	21.06	0.12764	27.05	0.50699
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.79	0.02393	19.78	0.09506
802.11ac VHT20_Nss1,(MCS0)_2TX	14.41	0.02761	20.40	0.10965
802.11ac VHT40_Nss1,(MCS0)_2TX	10.35	0.01084	16.34	0.04305
802.11ac VHT80_Nss1,(MCS0)_2TX	6.12	0.00409	12.11	0.01626



Average Power_Non-Beamforming_Outdoor_Sample 4_Radio 3 Appendix B.12

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.99	17.56	16.85	20.23	23.98	26.22	30.00
5300MHz	Pass	5.99	18.00	16.93	20.51	23.98	26.50	30.00
5320MHz	Pass	5.99	16.76	17.16	19.97	23.98	25.96	30.00
5500MHz	Pass	5.99	17.13	17.97	20.58	23.98	26.57	30.00
5580MHz	Pass	5.99	17.67	17.52	20.61	23.98	26.60	30.00
5700MHz	Pass	5.99	15.99	15.97	18.99	23.98	24.98	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.99	17.07	16.81	19.95	23.98	25.94	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.99	10.79	10.76	13.79	30.00	19.78	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.99	17.64	17.65	20.66	23.98	26.65	30.00
5300MHz	Pass	5.99	17.97	17.44	20.72	23.98	26.71	30.00
5320MHz	Pass	5.99	18.19	17.59	20.91	23.98	26.90	30.00
5500MHz	Pass	5.99	17.63	18.45	21.07	23.98	27.06	30.00
5580MHz	Pass	5.99	17.43	17.59	20.52	23.98	26.51	30.00
5700MHz	Pass	5.99	16.35	16.36	19.37	23.98	25.36	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.99	16.95	17.10	20.04	23.98	26.03	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.99	11.30	11.49	14.41	30.00	20.40	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.99	19.63	20.25	22.96	23.98	28.95	30.00
5310MHz	Pass	5.99	16.13	16.27	19.21	23.98	25.20	30.00
5510MHz	Pass	5.99	11.83	13.74	15.90	23.98	21.89	30.00
5550MHz	Pass	5.99	18.37	19.40	21.93	23.98	27.92	30.00
5670MHz	Pass	5.99	18.06	18.26	21.17	23.98	27.16	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.99	17.81	18.47	21.16	23.98	27.15	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.99	6.83	7.79	10.35	30.00	16.34	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.99	10.40	9.19	12.85	23.98	18.84	30.00
5530MHz	Pass	5.99	10.55	12.69	14.76	23.98	20.75	30.00
5610MHz	Pass	5.99	16.60	17.97	20.35	23.98	26.34	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.99	17.92	18.18	21.06	23.98	27.05	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.99	2.63	3.54	6.12	30.00	12.11	36.00

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

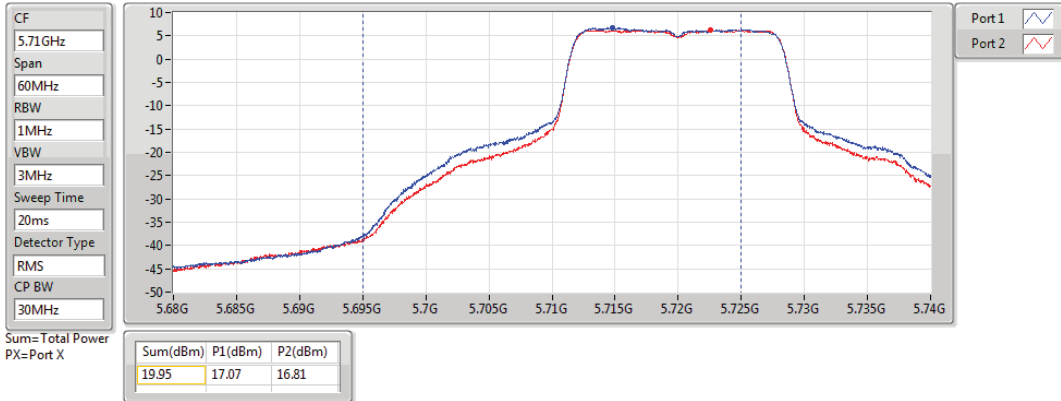


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

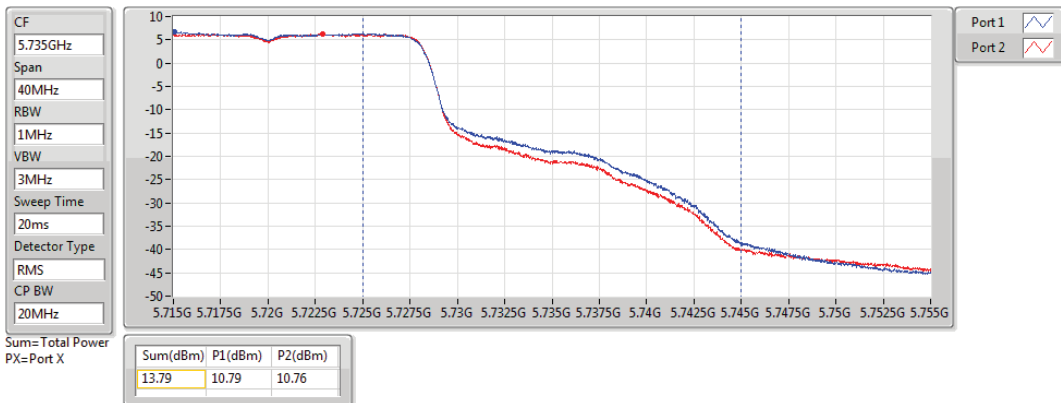


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020

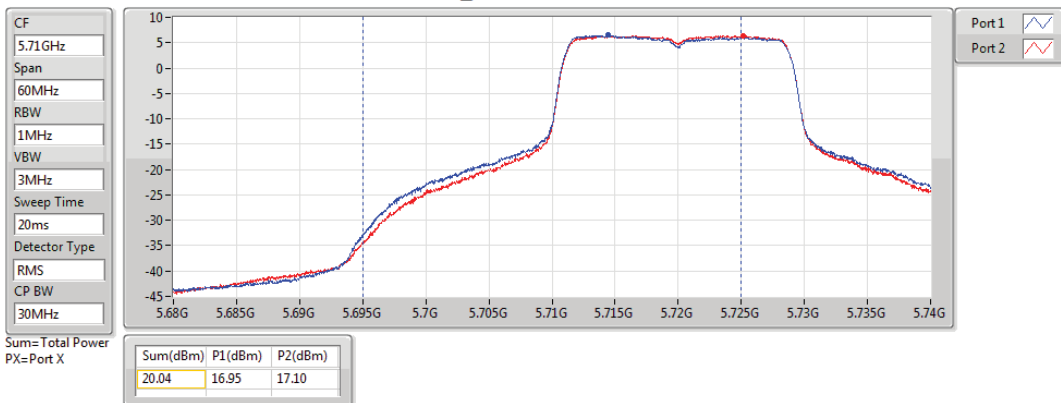


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020



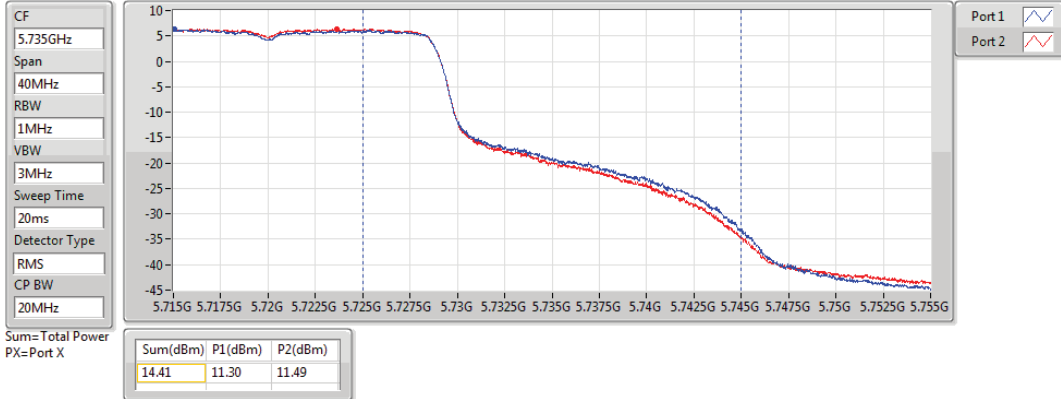


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020

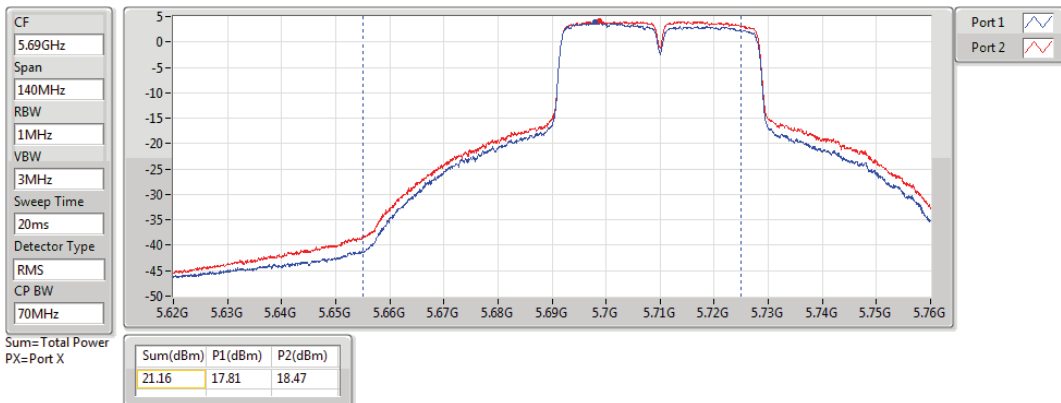


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020



802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020



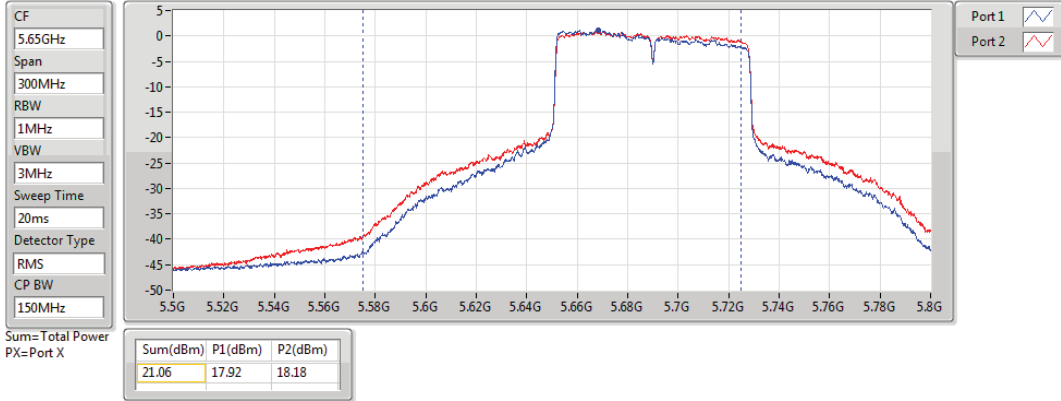


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

02/04/2020

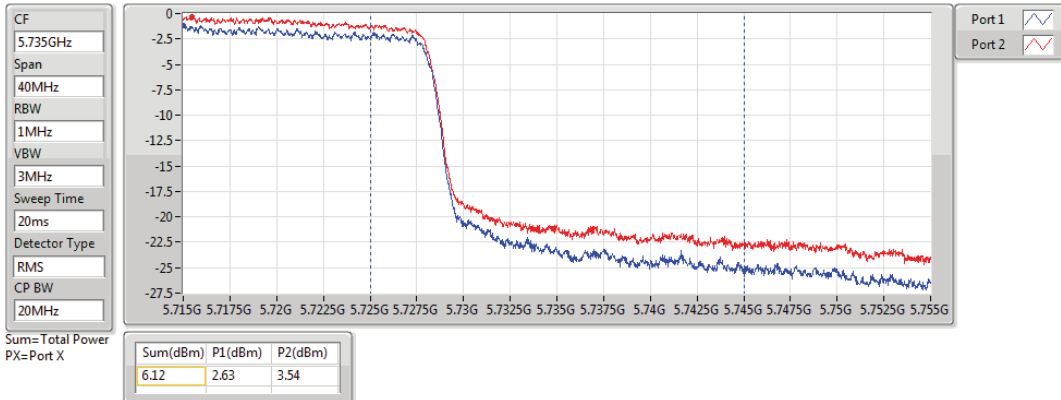


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

02/04/2020



**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	3.19	11.74
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	3.49	12.04
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.31	16.98
802.11ac VHT20_Nss1,(MCS0)_4TX	4.95	16.62
802.11ac VHT40_Nss1,(MCS0)_4TX	5.00	16.67
802.11ac VHT80_Nss1,(MCS0)_4TX	4.00	15.67
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	3.50	12.27
802.11ax HEW20_Nss1,(MCS0)_4TX	5.01	16.68
802.11ax HEW40_Nss1,(MCS0)_4TX	4.95	16.62
802.11ax HEW80_Nss1,(MCS0)_4TX	3.66	15.33
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	3.81	12.58
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.21	16.88
802.11ac VHT20_Nss1,(MCS0)_4TX	5.19	16.86
802.11ac VHT40_Nss1,(MCS0)_4TX	5.09	16.76
802.11ac VHT80_Nss1,(MCS0)_4TX	3.98	15.65
802.11ac VHT80+80_Nss1,(MCS0)_4TX	1.50	13.17
802.11ax HEW20_Nss1,(MCS0)_4TX	5.28	16.95
802.11ax HEW40_Nss1,(MCS0)_4TX	4.97	16.64
802.11ax HEW80_Nss1,(MCS0)_4TX	3.97	15.64
802.11ax HEW80+80_Nss1,(MCS0)_4TX	1.65	13.32
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	2.85	14.52
802.11ac VHT20_Nss1,(MCS0)_4TX	3.15	14.82
802.11ac VHT40_Nss1,(MCS0)_4TX	2.12	13.79
802.11ac VHT80_Nss1,(MCS0)_4TX	-0.26	11.41
802.11ax HEW20_Nss1,(MCS0)_4TX	3.22	14.89
802.11ax HEW40_Nss1,(MCS0)_4TX	2.10	13.77
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.02	11.65

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	-1.05	-0.94	-0.50	-0.14	5.20	5.33	16.87	17.00
5300MHz	Pass	11.67	-0.87	-0.69	-0.73	-0.01	5.31	5.33	16.98	17.00
5320MHz	Pass	11.67	-0.79	-0.75	-0.25	0.07	5.27	5.33	16.94	17.00
5500MHz	Pass	11.67	-0.52	-1.02	-0.46	-0.44	5.21	5.33	16.88	17.00
5580MHz	Pass	11.67	-0.54	-1.51	-0.58	-0.88	4.95	5.33	16.62	17.00
5700MHz	Pass	11.67	-0.54	-0.87	-0.05	-0.26	5.15	5.33	16.82	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	-0.55	-0.84	-0.64	-0.54	4.92	5.33	16.59	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-3.90	-3.53	-2.45	-2.67	2.85	24.33	14.52	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	-1.36	-1.40	-1.01	-0.35	4.81	5.33	16.48	17.00
5300MHz	Pass	11.67	-1.40	-1.06	-0.74	-0.38	4.95	5.33	16.62	17.00
5320MHz	Pass	11.67	-1.30	-1.38	-0.96	-0.29	4.84	5.33	16.51	17.00
5500MHz	Pass	11.67	-1.00	-1.64	-1.17	-0.82	4.63	5.33	16.30	17.00
5580MHz	Pass	11.67	-0.53	-1.63	-0.70	-1.27	4.85	5.33	16.52	17.00
5700MHz	Pass	11.67	-0.78	-1.07	-0.73	-0.61	4.93	5.33	16.60	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	-0.29	-0.56	-0.78	-0.56	5.19	5.33	16.86	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-2.74	-3.12	-3.09	-2.33	3.15	24.33	14.82	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	-1.21	-1.05	-0.97	0.15	5.00	5.33	16.67	17.00
5310MHz	Pass	11.67	-1.20	-1.20	-1.23	-0.00	5.00	5.33	16.67	17.00
5510MHz	Pass	11.67	-0.95	-1.28	-0.66	-0.34	5.05	5.33	16.72	17.00
5550MHz	Pass	11.67	-0.83	-1.57	-0.74	0.05	5.09	5.33	16.76	17.00
5670MHz	Pass	11.67	-0.36	-1.63	-0.41	-0.28	4.94	5.33	16.61	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	-0.50	-1.01	-0.65	-0.10	4.94	5.33	16.61	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-3.94	-4.42	-3.65	-3.34	2.12	24.33	13.79	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	-2.14	-2.06	-1.91	-1.10	4.00	5.33	15.67	17.00
5530MHz	Pass	11.67	-2.41	-2.41	-1.87	-1.40	3.91	5.33	15.58	17.00
5610MHz	Pass	11.67	-1.98	-2.13	-1.64	-1.24	3.98	5.33	15.65	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	-1.61	-2.22	-1.79	-1.87	3.78	5.33	15.45	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-6.11	-6.57	-5.72	-6.09	-0.26	24.33	11.41	36.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	8.55	0.01	0.48			3.19	14.45	11.74	23.00
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			0.18	1.22	3.50	8.23	12.27	17.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	-2.34	-1.96	-2.20	-0.94	1.50	5.33	13.17	17.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.67	-1.04	-1.42	-0.81	-0.25	4.96	5.33	16.63	17.00
5300MHz	Pass	11.67	-1.23	-1.12	-0.97	-0.31	5.00	5.33	16.67	17.00
5320MHz	Pass	11.67	-0.92	-1.15	-0.62	-0.25	5.01	5.33	16.68	17.00



PSD_Non-Beamforming_Indoor_Sample 1_Radio 1

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5500MHz	Pass	11.67	-0.49	-1.75	-0.70	-1.09	4.89	5.33	16.56	17.00
5580MHz	Pass	11.67	-0.40	-1.70	-0.60	-0.87	4.95	5.33	16.62	17.00
5700MHz	Pass	11.67	-0.71	-0.90	0.21	0.00	5.28	5.33	16.95	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.67	-0.48	-0.58	-0.52	-0.25	5.19	5.33	16.86	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.67	-2.70	-2.92	-2.88	-2.27	3.22	24.33	14.89	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.67	-1.11	-1.14	-0.98	0.04	4.92	5.33	16.59	17.00
5310MHz	Pass	11.67	-1.34	-1.07	-1.22	-0.14	4.95	5.33	16.62	17.00
5510MHz	Pass	11.67	-0.85	-1.66	-0.54	-0.50	4.90	5.33	16.57	17.00
5550MHz	Pass	11.67	-0.76	-1.55	-0.60	-0.23	4.97	5.33	16.64	17.00
5670MHz	Pass	11.67	-0.42	-1.56	-0.50	-0.35	4.86	5.33	16.53	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.67	-0.36	-1.16	-0.66	-0.27	4.89	5.33	16.56	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.67	-3.96	-4.33	-3.76	-3.39	2.10	24.33	13.77	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.67	-2.61	-2.27	-2.28	-1.21	3.66	5.33	15.33	17.00
5530MHz	Pass	11.67	-2.47	-2.50	-1.96	-1.29	3.67	5.33	15.34	17.00
5610MHz	Pass	11.67	-1.99	-2.14	-1.80	-1.47	3.88	5.33	15.55	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.67	-1.34	-1.93	-1.52	-1.65	3.97	5.33	15.64	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.67	-5.87	-6.21	-5.63	-5.98	-0.02	24.33	11.65	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,#5290MHz	Pass	8.55	-0.01	1.01			3.49	14.45	12.04	23.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.77			0.33	1.37	3.81	8.23	12.58	17.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	11.67	-2.31	-1.95	-2.01	0.10	1.65	5.33	13.32	17.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

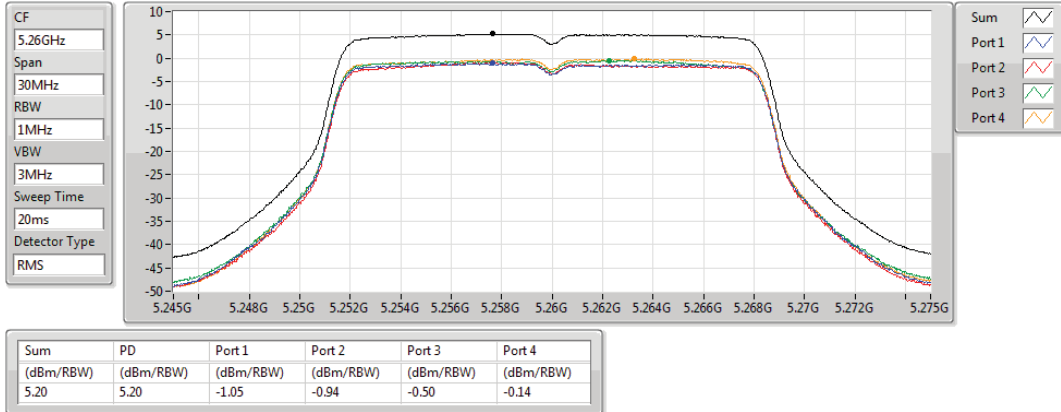
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

11/03/2020

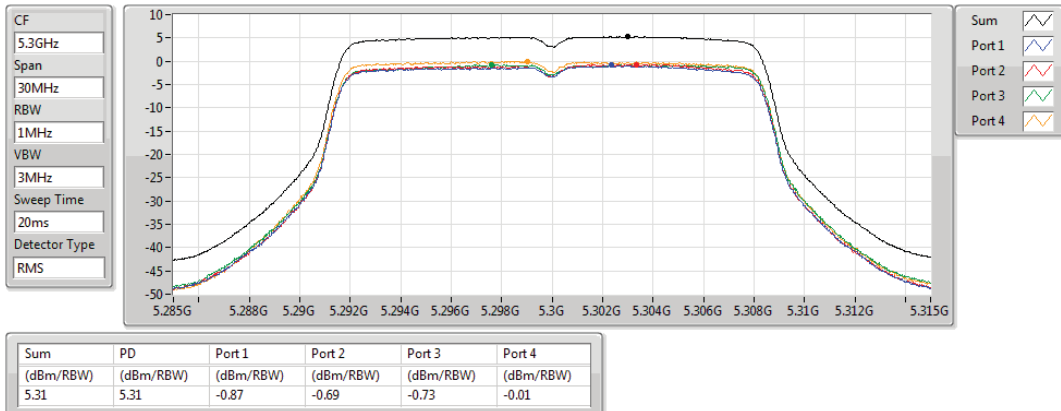


802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

11/03/2020

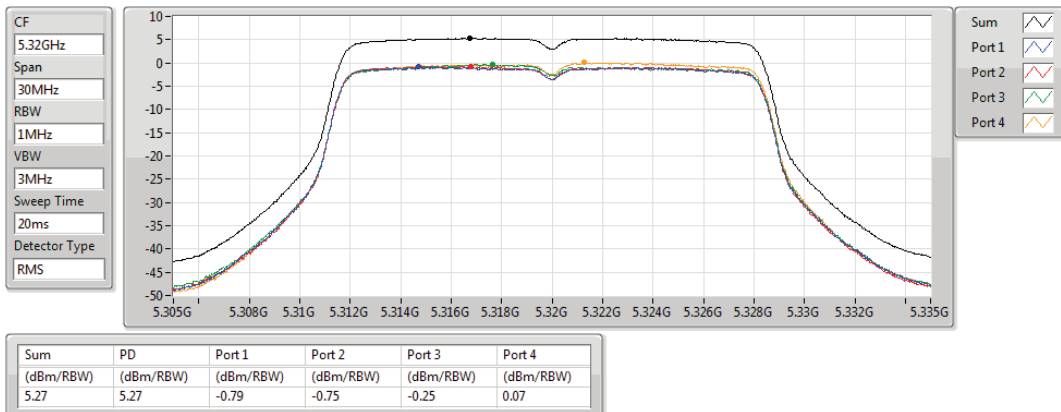


802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

11/03/2020



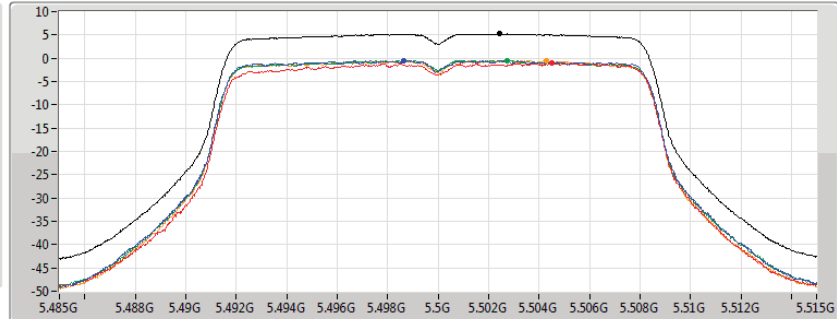
802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

11/03/2020

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.21	5.21	-0.52	-1.02	-0.46	-0.44

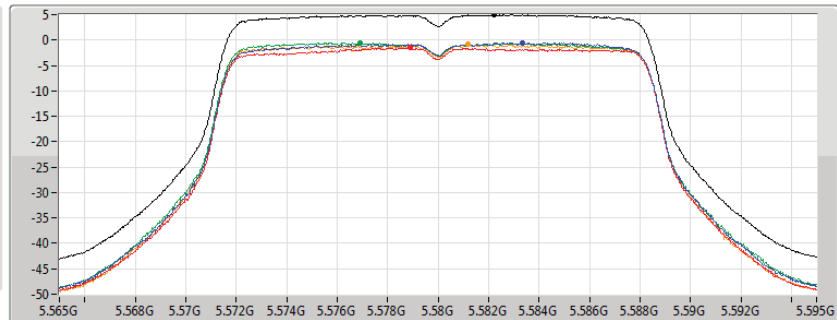
802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

11/03/2020

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.95	4.95	-0.54	-1.51	-0.58	-0.88

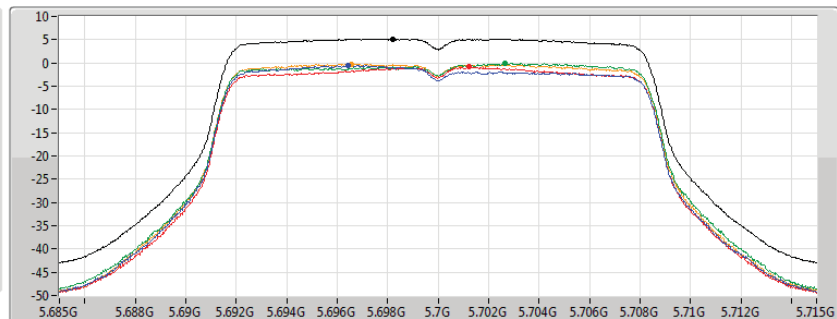
802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

11/03/2020

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

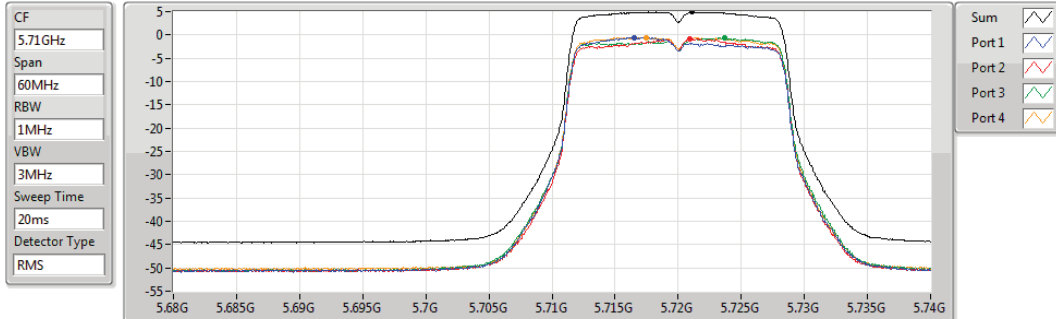
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.15	5.15	-0.54	-0.87	-0.05	-0.26

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/03/2020



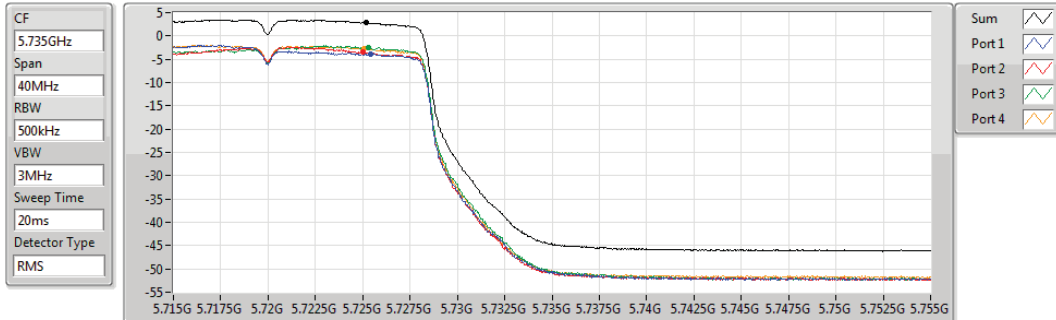
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	-0.55	-0.84	-0.64	-0.54

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/03/2020



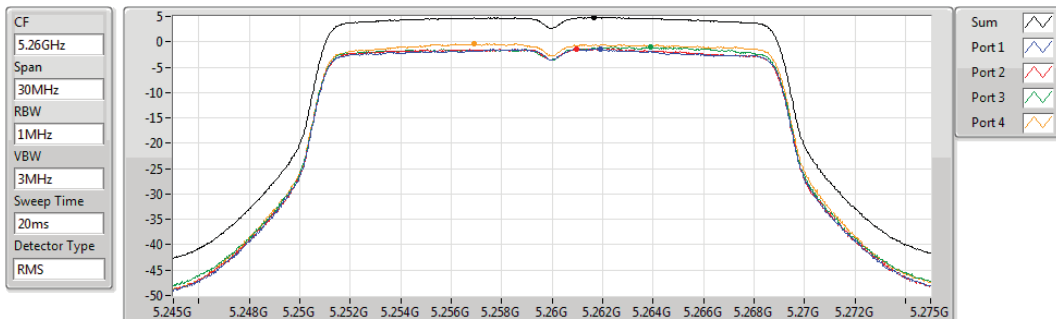
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.85	2.85	-3.90	-3.53	-2.45	-2.67

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

11/03/2020



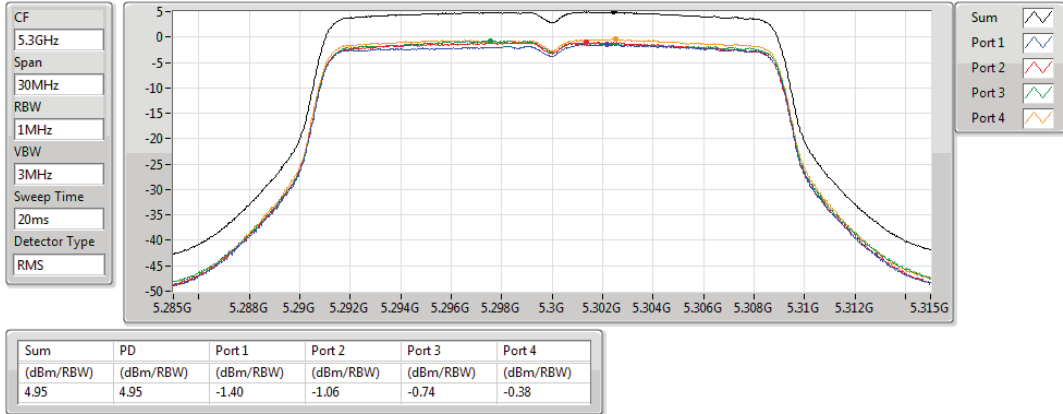
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.81	4.81	-1.36	-1.40	-1.01	-0.35

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

11/03/2020

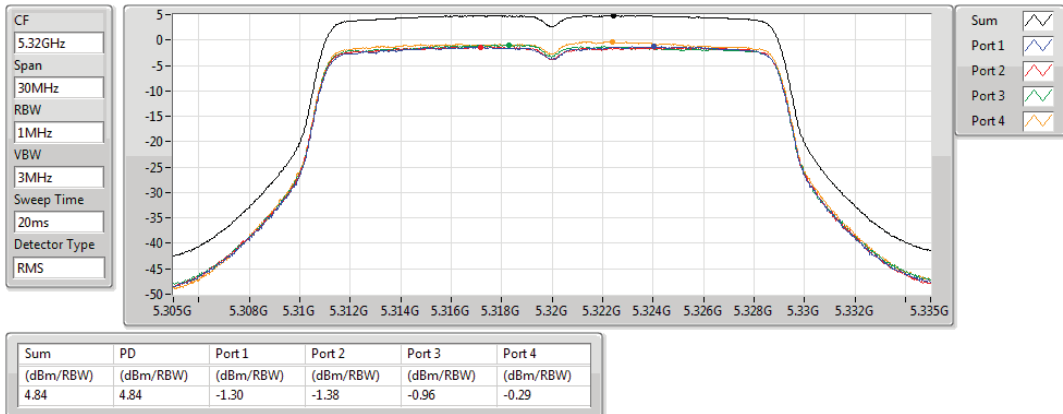


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

11/03/2020

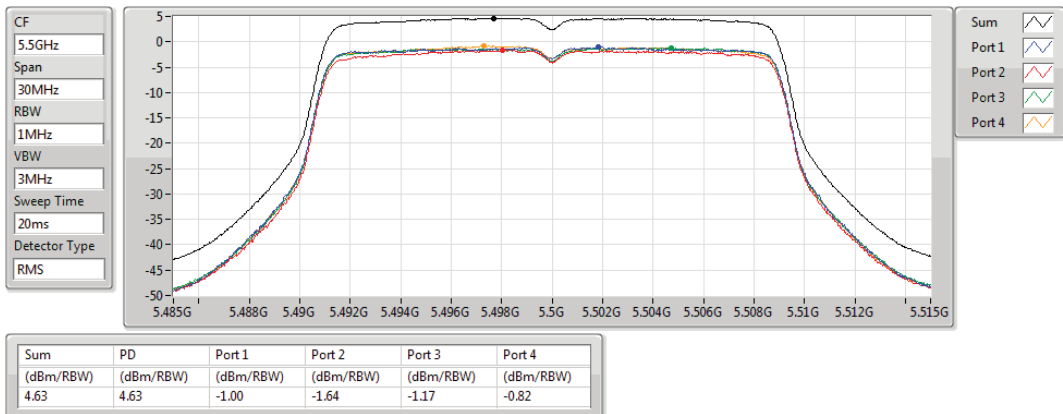


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

11/03/2020

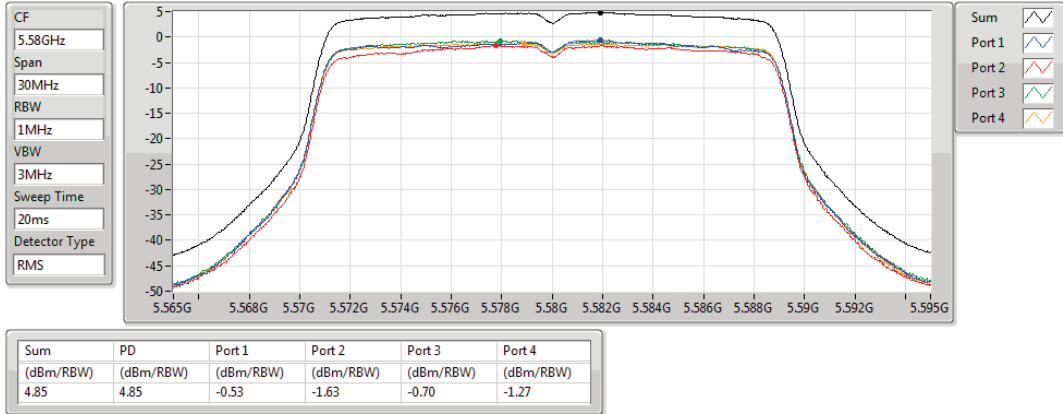


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

11/03/2020

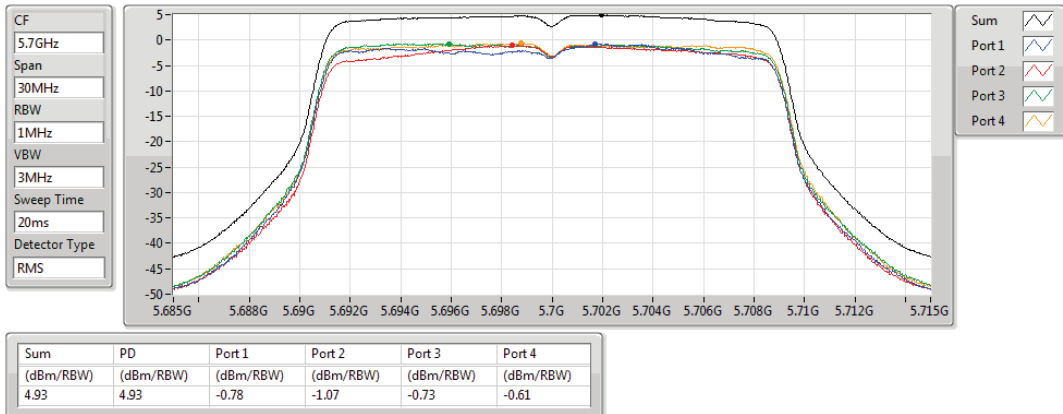


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

11/03/2020

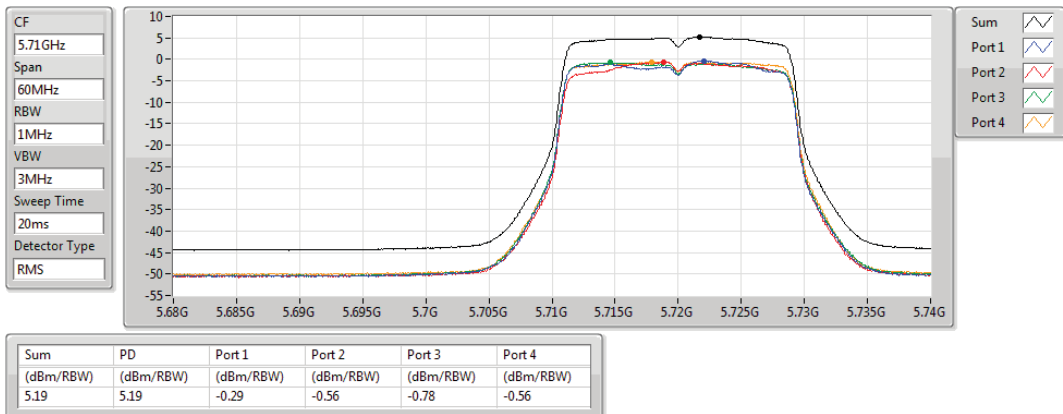


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/03/2020

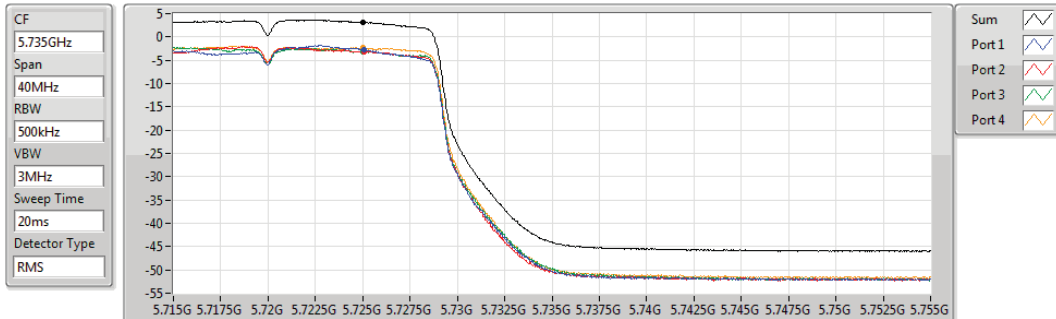


802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

11/03/2020



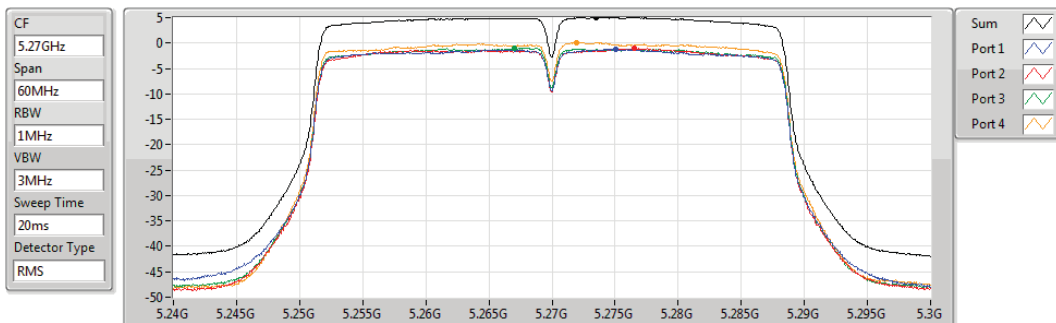
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	-2.74	-3.12	-3.09	-2.33

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz

PSD

12/03/2020



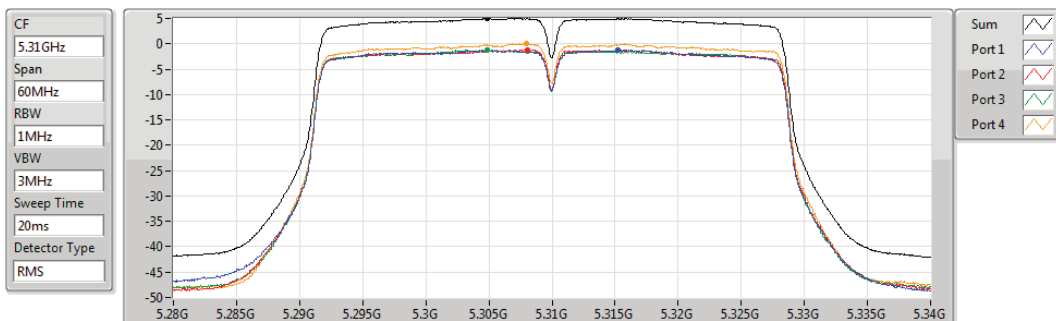
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.00	5.00	-1.21	-1.05	-0.97	0.15

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz

PSD

12/03/2020



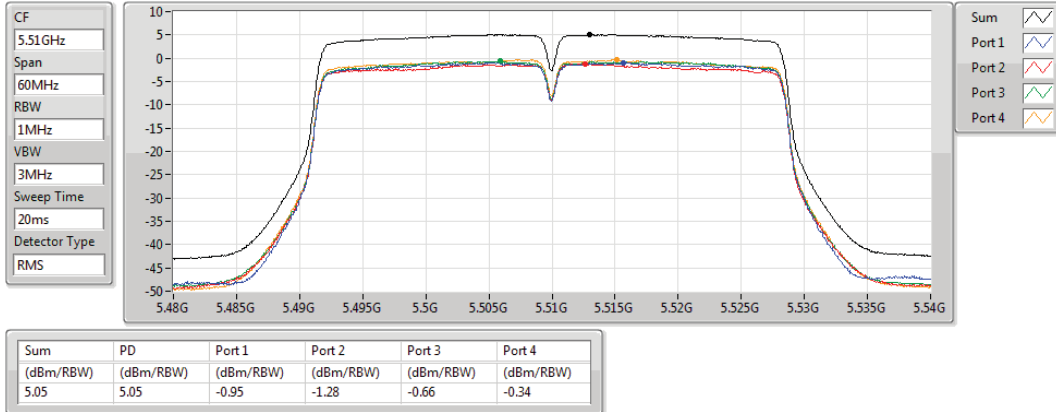
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.00	5.00	-1.20	-1.20	-1.23	-0.00

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

12/03/2020

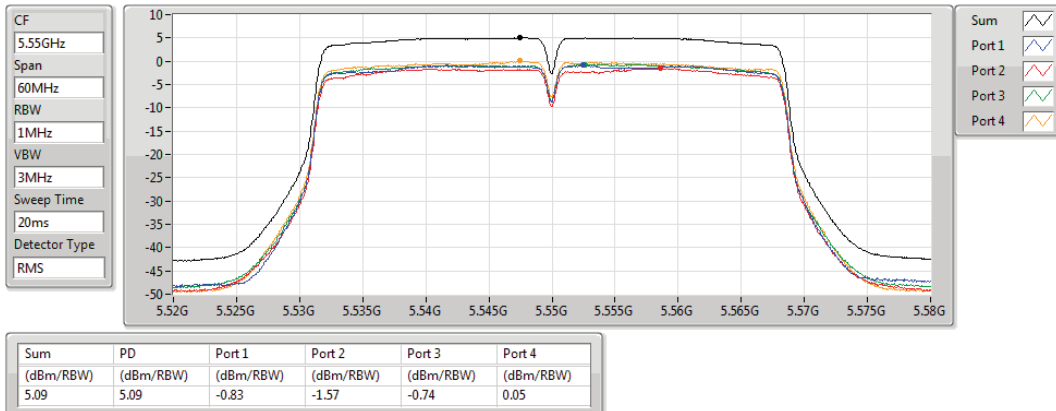


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

12/03/2020

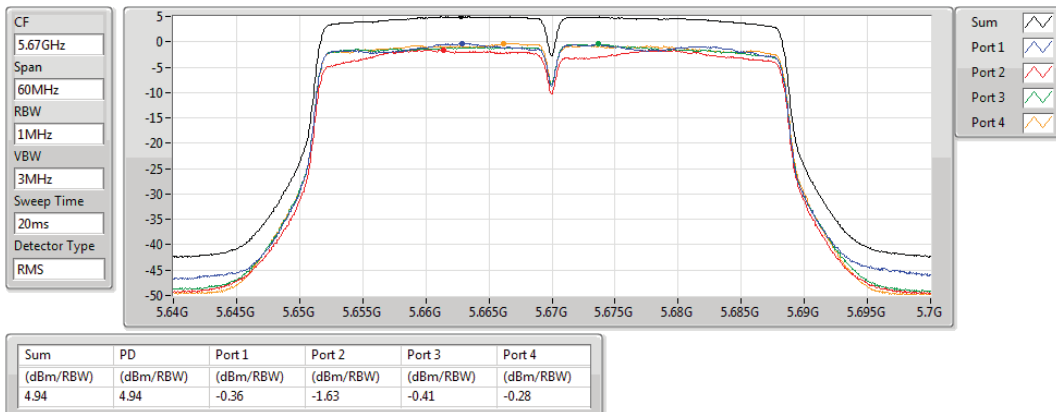


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

12/03/2020

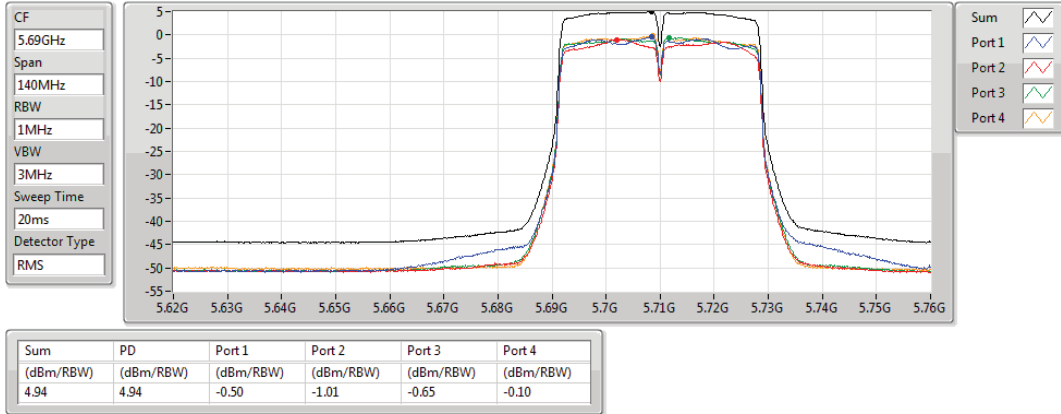


802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz

PSD

12/03/2020

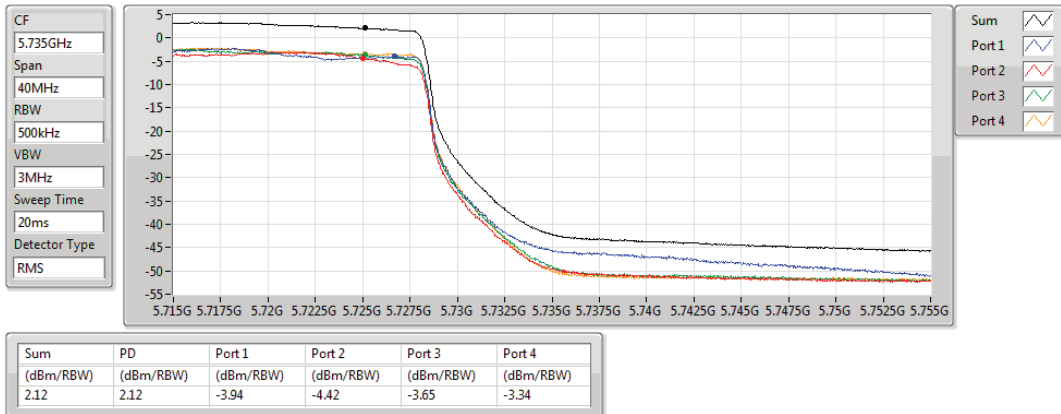


802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD

12/03/2020

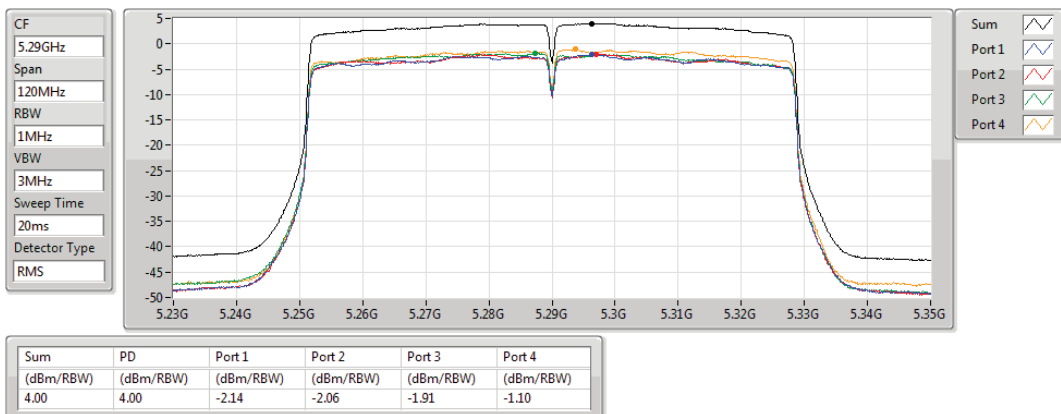


802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz

PSD

12/03/2020

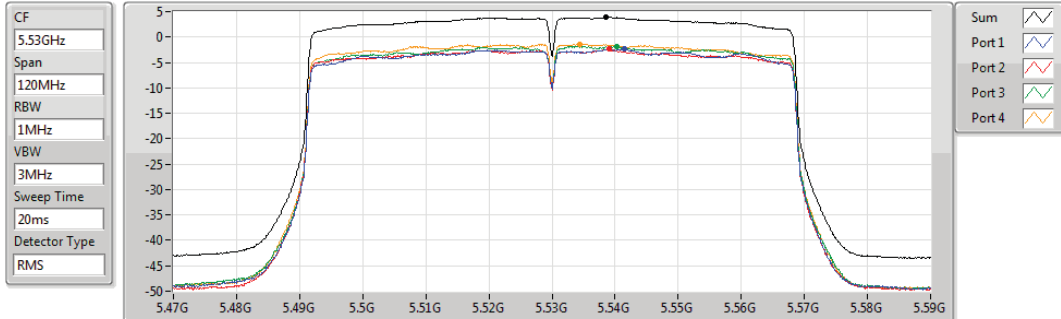


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

12/03/2020



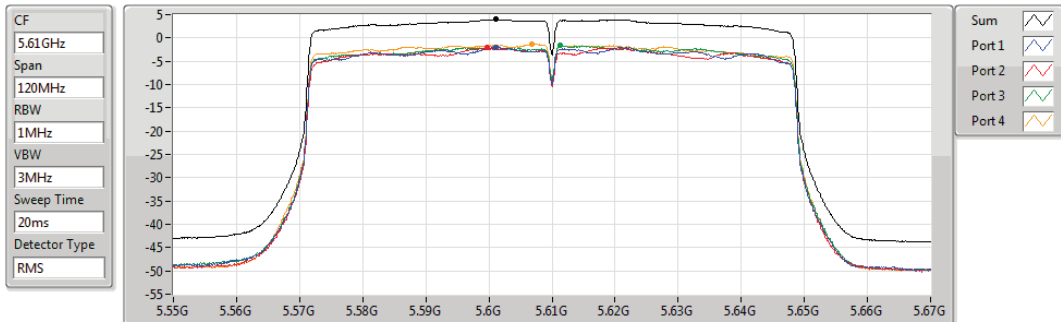
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.91	3.91	-2.41	-2.41	-1.87	-1.40

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

12/03/2020



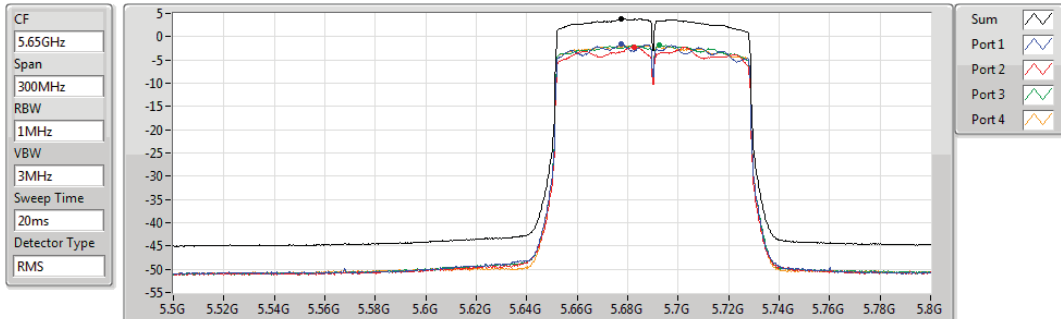
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.98	3.98	-1.98	-2.13	-1.64	-1.24

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

12/03/2020



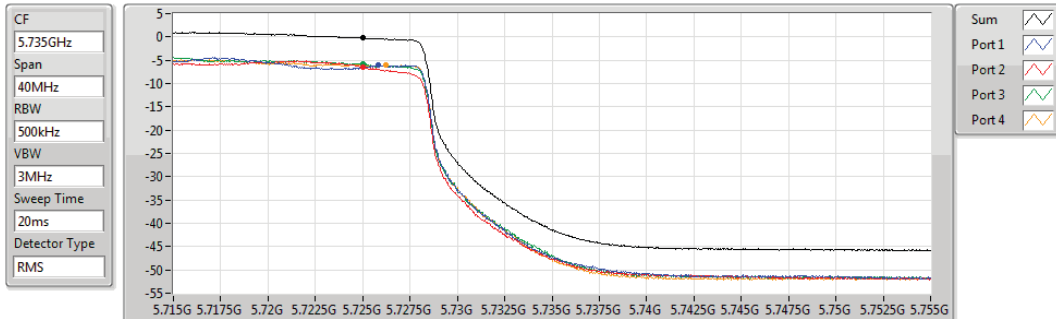
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.78	3.78	-1.61	-2.22	-1.79	-1.87

802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

12/03/2020



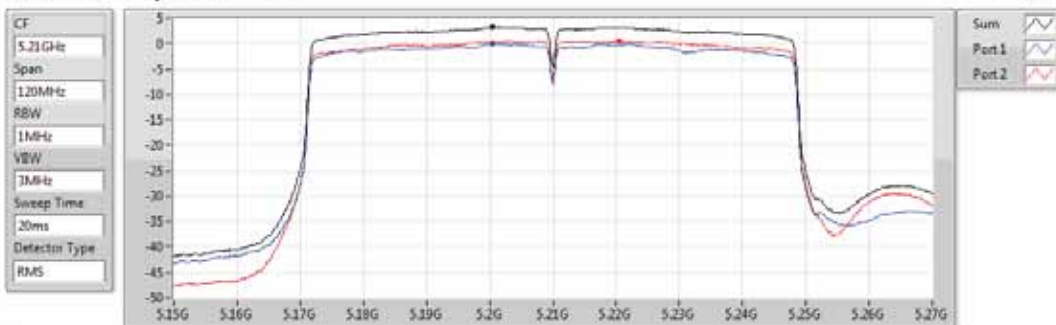
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.26	-0.26	-6.11	-6.57	-5.72	-6.09

802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)

#5210MHz,5290MHz

PSD

17/08/2020



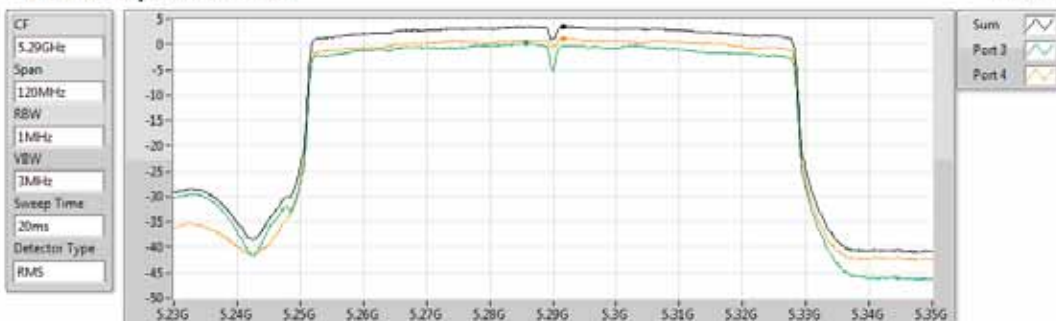
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.19	3.19	0.01	0.48

802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)

5210MHz,#5290MHz

PSD

17/08/2020



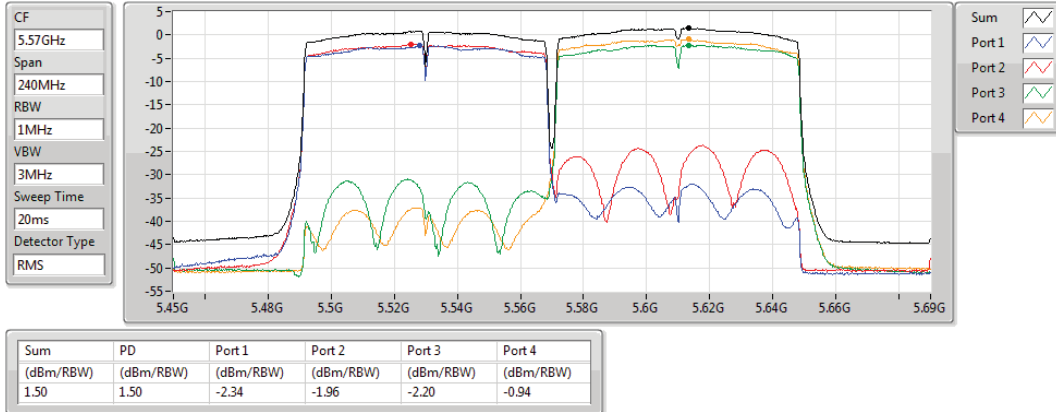
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.50	3.50			0.18	1.22

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5530MHz,#5610MHz

PSD

17/03/2020

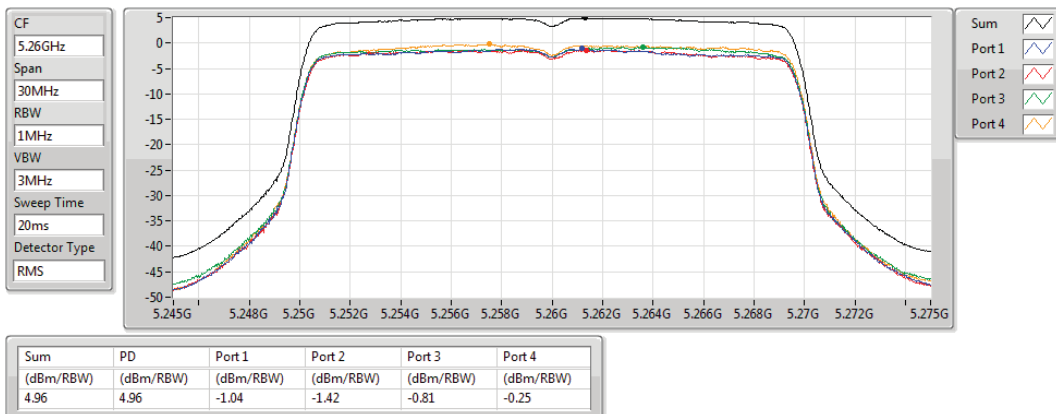


802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz

PSD

11/03/2020

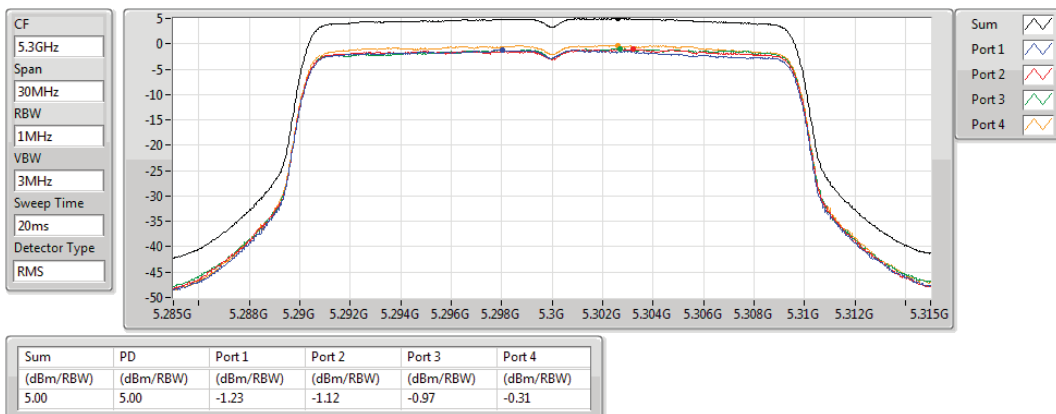


802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz

PSD

11/03/2020

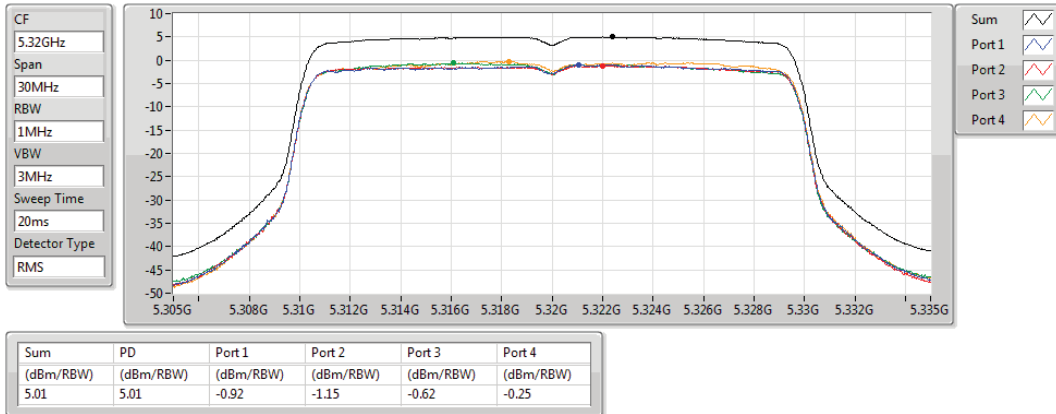


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

11/03/2020

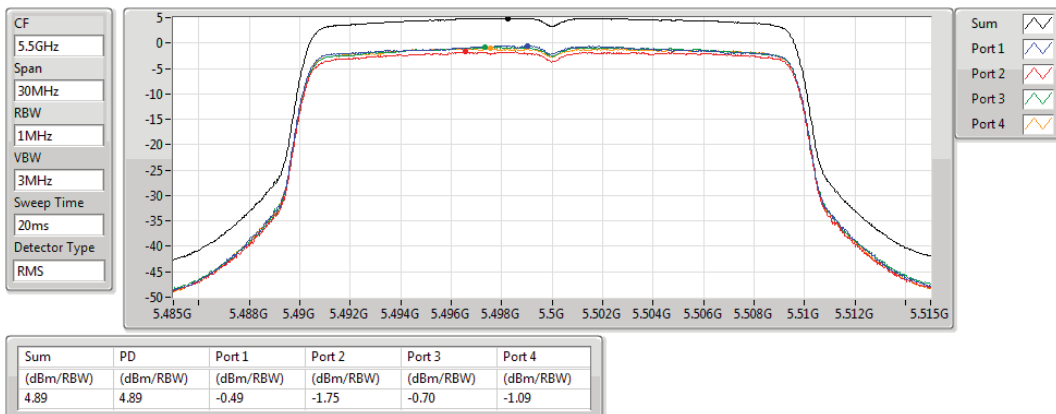


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

11/03/2020

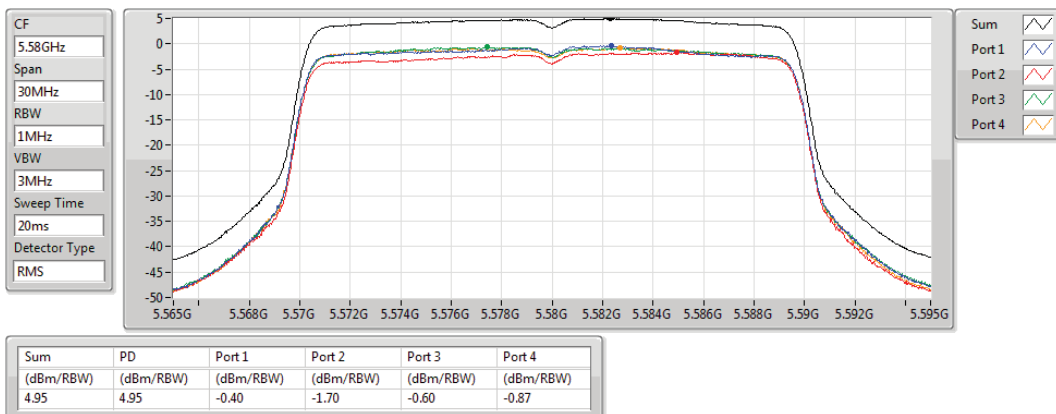


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

11/03/2020

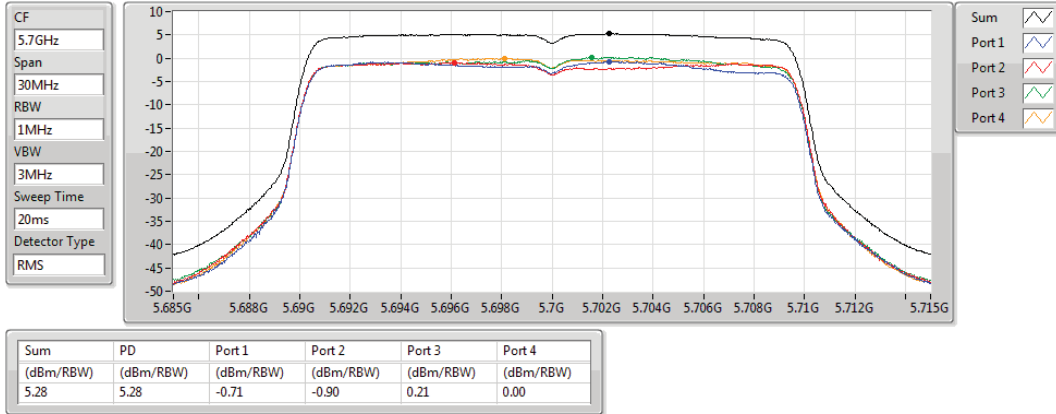


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

11/03/2020

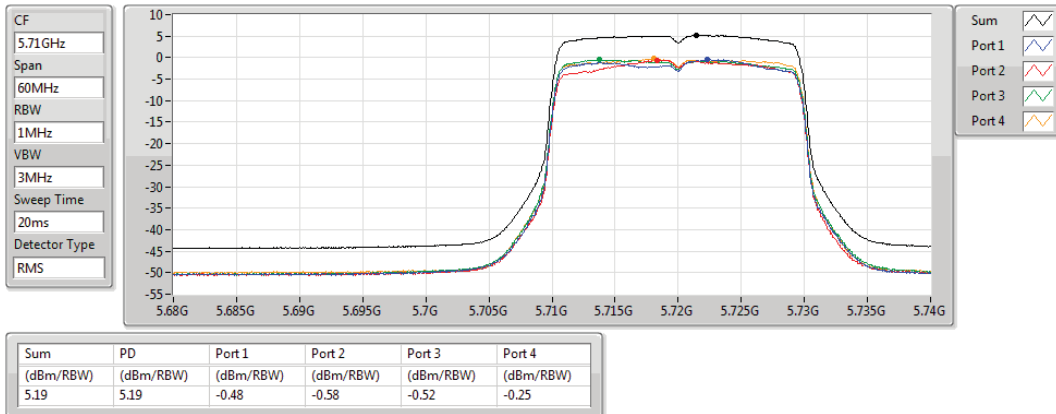


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/03/2020

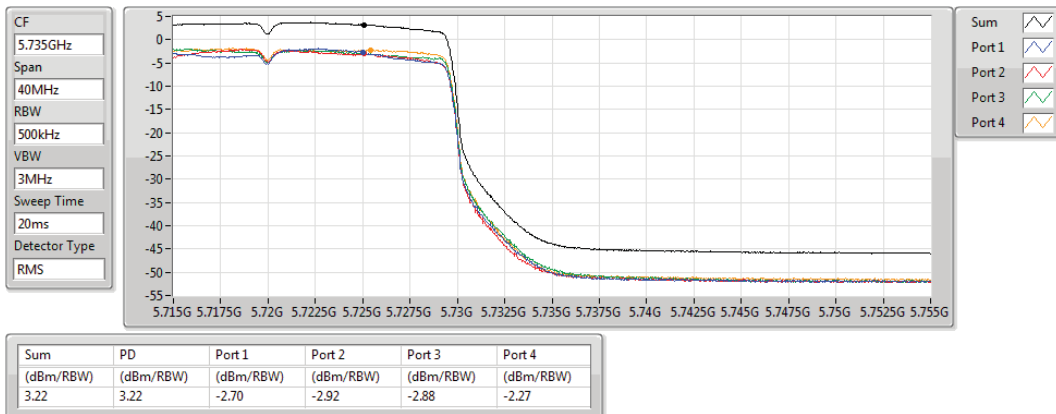


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/03/2020

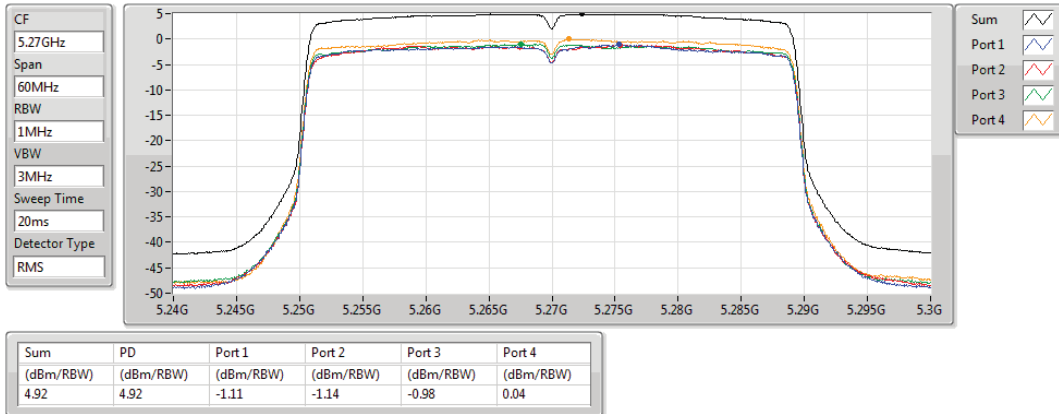


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

12/03/2020

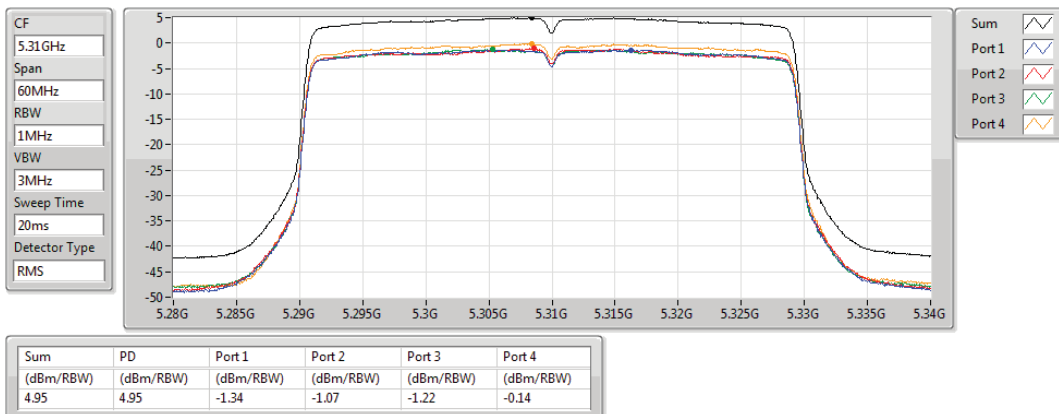


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

12/03/2020

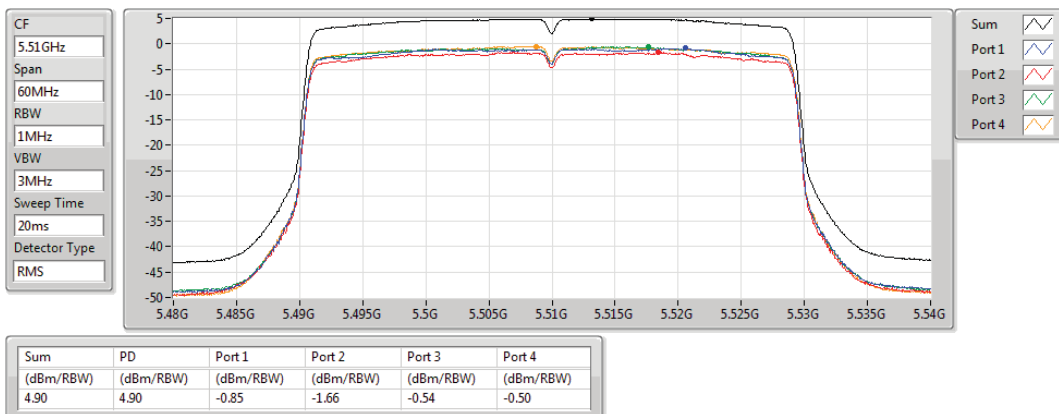


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

12/03/2020

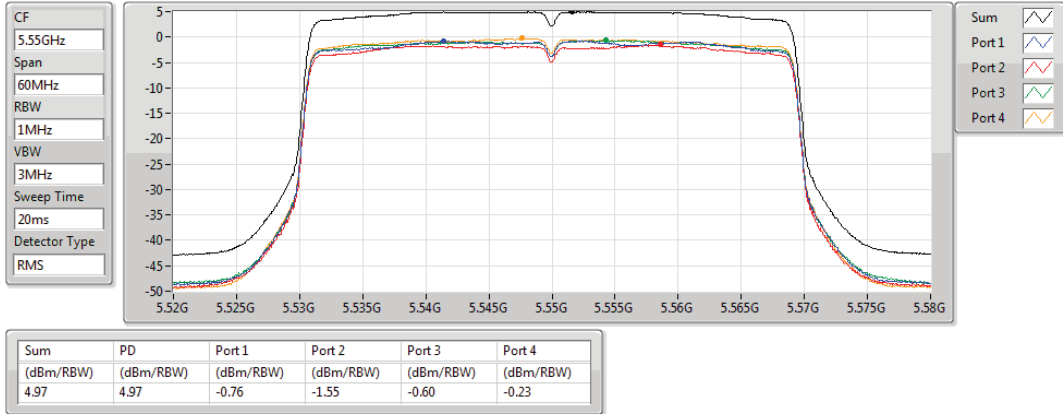


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

12/03/2020

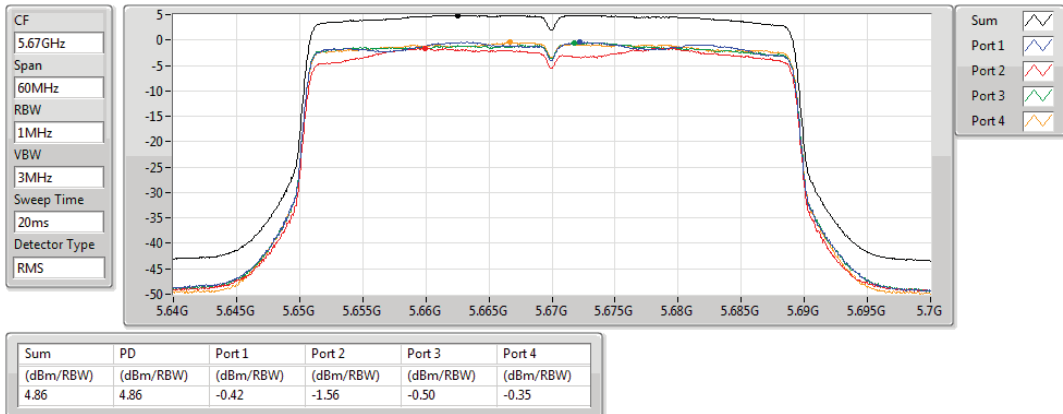


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

12/03/2020

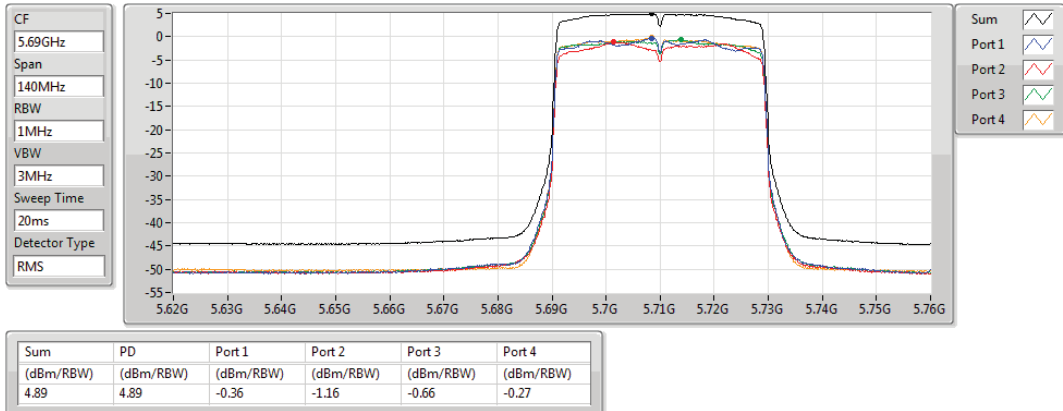


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

12/03/2020

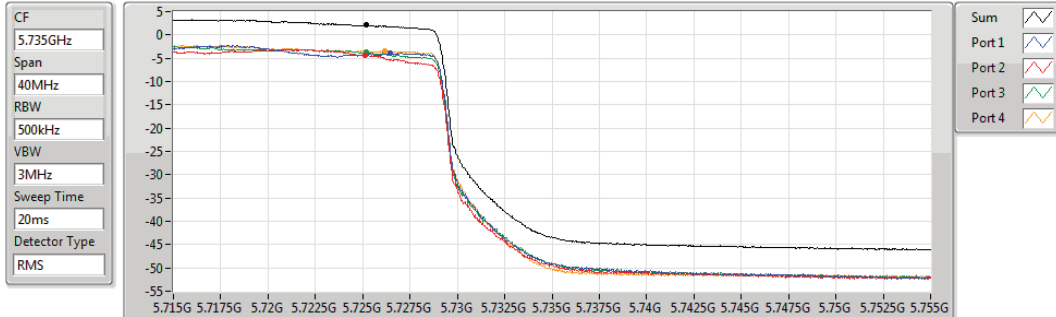


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

12/03/2020



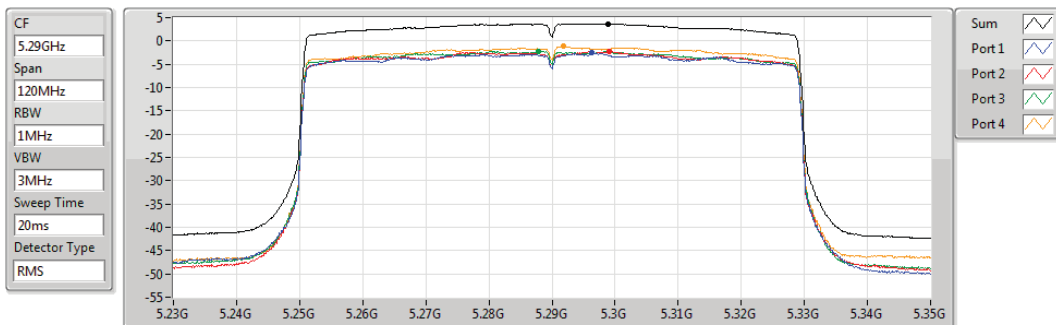
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.10	2.10	-3.96	-4.33	-3.76	-3.39

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

12/03/2020



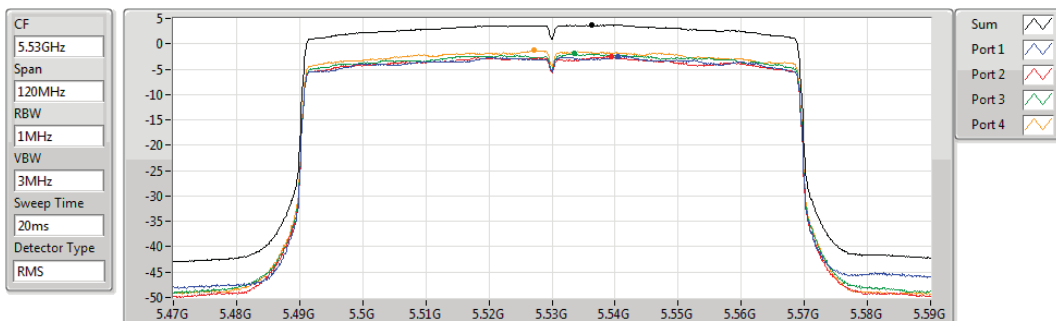
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.66	3.66	-2.61	-2.27	-2.28	-1.21

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

12/03/2020



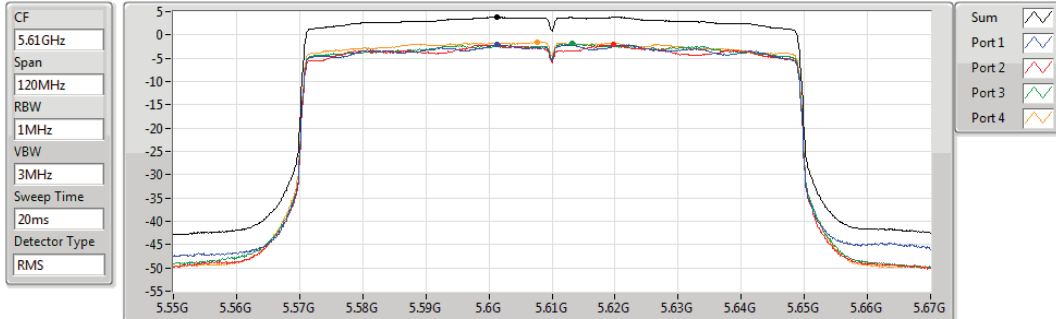
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.67	3.67	-2.47	-2.50	-1.96	-1.29

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

12/03/2020



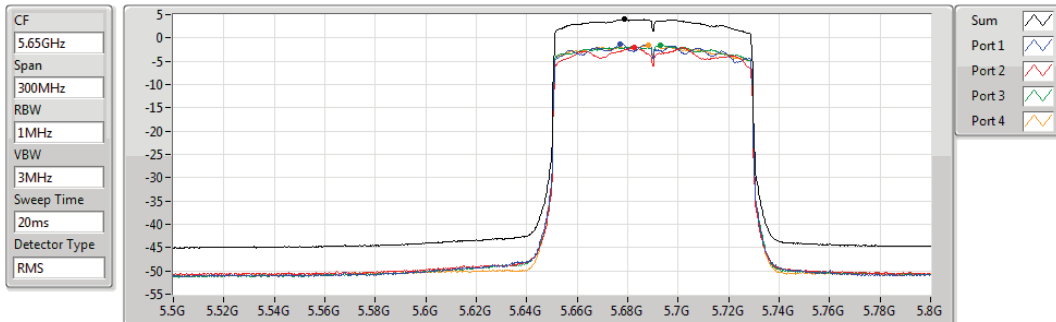
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.88	3.88	-1.99	-2.14	-1.80	-1.47

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

12/03/2020



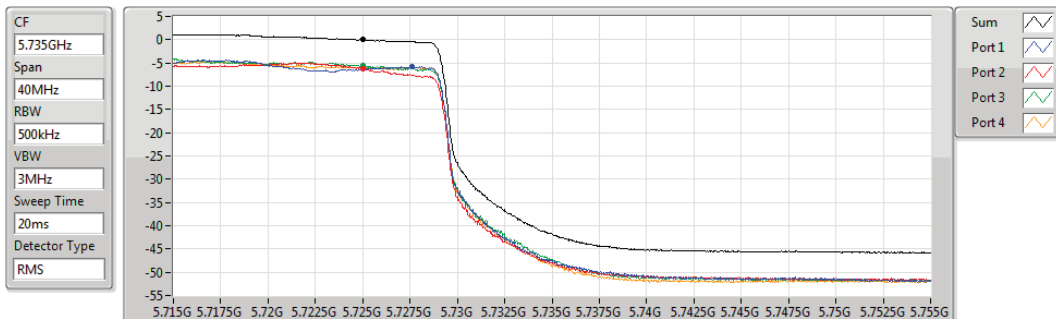
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.97	3.97	-1.34	-1.93	-1.52	-1.65

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

12/03/2020



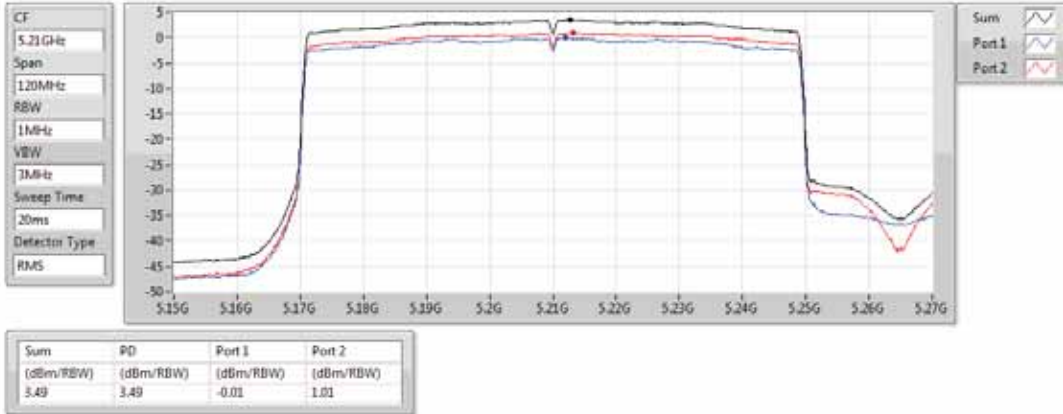
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.02	-0.02	-5.87	-6.21	-5.63	-5.98

802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

PSD

#5210MHz,5290MHz

17/08/2020

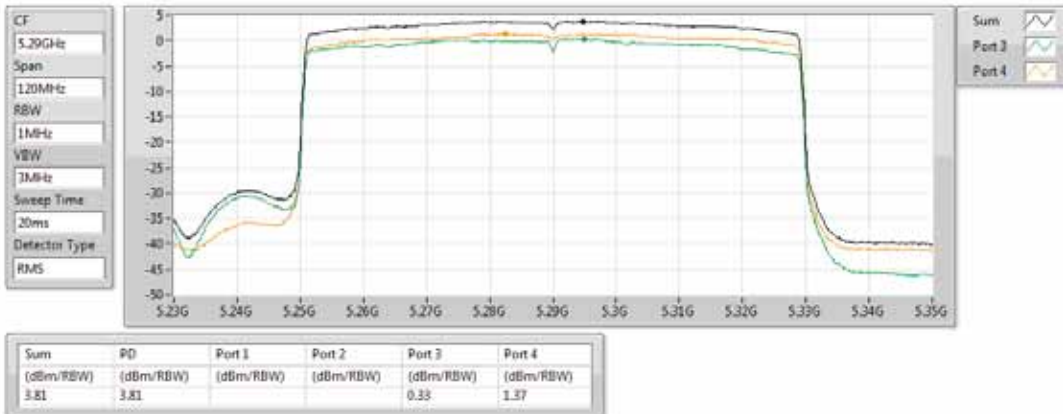


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

PSD

5210MHz,#5290MHz

17/08/2020

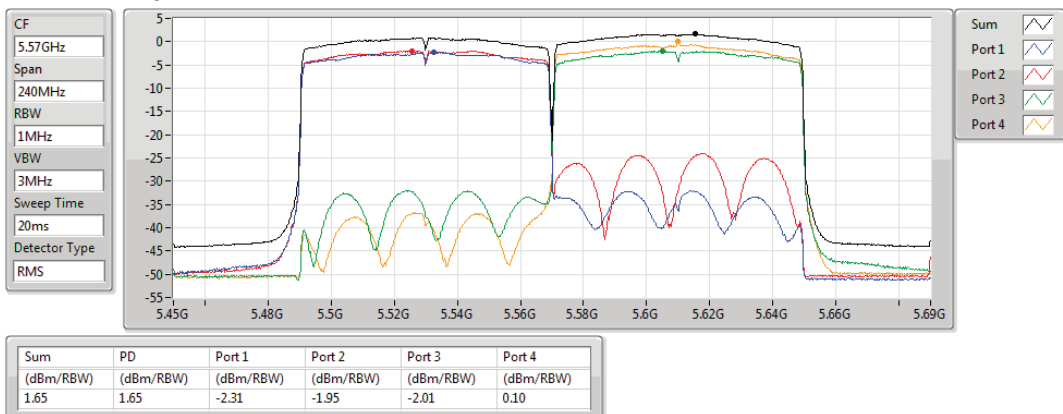


802.11ax HEW80+80_Nss1,(MCS0)_4TX

PSD

#5530MHz,#5610MHz

17/03/2020



**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	4.02	12.91
802.11ac VHT20_Nss1,(MCS0)_2TX	2.75	11.64
802.11ac VHT40_Nss1,(MCS0)_2TX	2.22	11.11
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.81	4.08
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.21	15.10
802.11ac VHT20_Nss1,(MCS0)_2TX	6.61	15.50
802.11ac VHT40_Nss1,(MCS0)_2TX	3.92	12.81
802.11ac VHT80_Nss1,(MCS0)_2TX	1.11	10.00
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	4.32	13.21
802.11ac VHT20_Nss1,(MCS0)_2TX	4.13	13.02
802.11ac VHT40_Nss1,(MCS0)_2TX	-0.05	8.84
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.67	5.22

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.89	1.62	0.70	4.02	8.11	12.91	17.00
5300MHz	Pass	8.89	-0.51	-2.68	1.53	8.11	10.42	17.00
5320MHz	Pass	8.89	0.32	-1.90	2.29	8.11	11.18	17.00
5500MHz	Pass	8.89	-0.64	-0.63	2.29	8.11	11.18	17.00
5580MHz	Pass	8.89	1.14	2.06	4.58	8.11	13.47	17.00
5700MHz	Pass	8.89	3.76	2.32	6.00	8.11	14.89	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.89	3.77	2.75	6.21	8.11	15.10	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.89	1.60	1.16	4.32	27.11	13.21	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.89	0.24	-0.78	2.75	8.11	11.64	17.00
5300MHz	Pass	8.89	-0.27	-2.23	1.81	8.11	10.70	17.00
5320MHz	Pass	8.89	0.75	-1.48	2.73	8.11	11.62	17.00
5500MHz	Pass	8.89	1.87	3.03	5.37	8.11	14.26	17.00
5580MHz	Pass	8.89	4.08	3.13	6.61	8.11	15.50	17.00
5700MHz	Pass	8.89	3.02	1.80	5.41	8.11	14.30	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.89	3.49	2.36	5.94	8.11	14.83	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.89	1.46	0.80	4.13	27.11	13.02	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.89	0.17	-1.85	2.22	8.11	11.11	17.00
5310MHz	Pass	8.89	-1.69	-3.31	0.45	8.11	9.34	17.00
5510MHz	Pass	8.89	-1.21	-0.48	2.08	8.11	10.97	17.00
5550MHz	Pass	8.89	0.91	1.02	3.92	8.11	12.81	17.00
5670MHz	Pass	8.89	1.01	0.19	3.58	8.11	12.47	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.89	0.40	-0.57	2.90	8.11	11.79	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.89	-2.86	-3.22	-0.05	27.11	8.84	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.89	-6.73	-9.15	-4.81	8.11	4.08	17.00
5530MHz	Pass	8.89	-9.45	-9.26	-6.52	8.11	2.37	17.00
5610MHz	Pass	8.89	-1.96	-1.74	1.11	8.11	10.00	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.89	-1.81	-2.87	0.65	8.11	9.54	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.89	-6.68	-6.62	-3.67	27.11	5.22	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

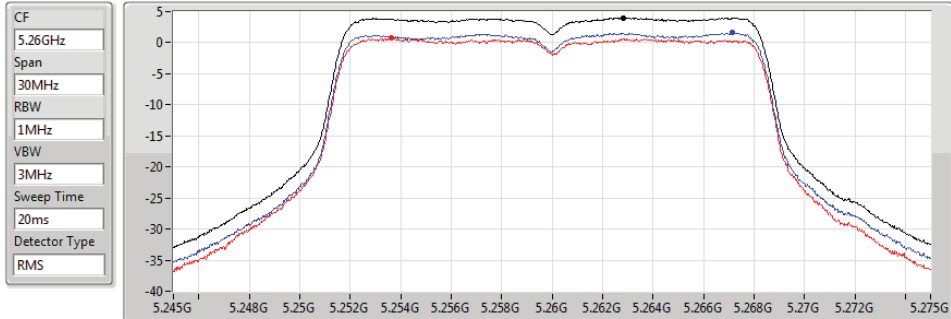
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

15/03/2020



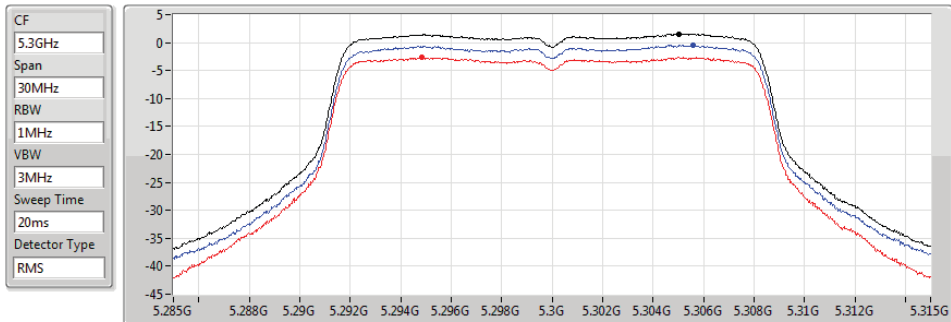
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.02	4.02	1.62	0.70

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

15/03/2020



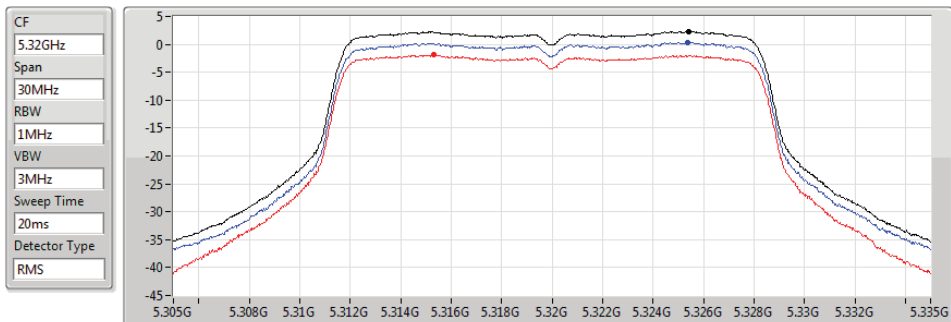
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.53	1.53	-0.51	-2.68

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

15/03/2020



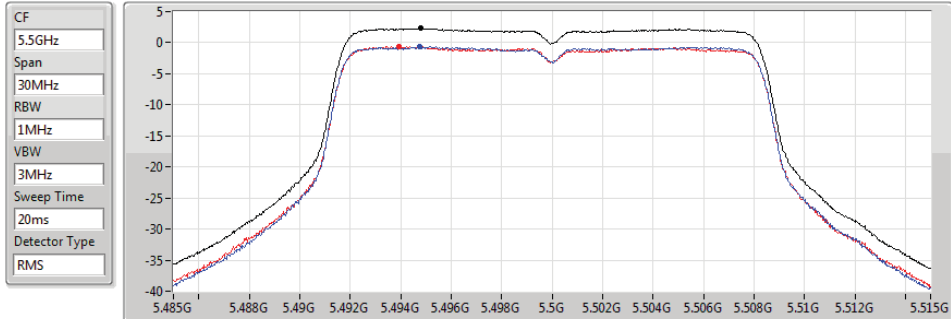
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.29	2.29	0.32	-1.90

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

15/03/2020



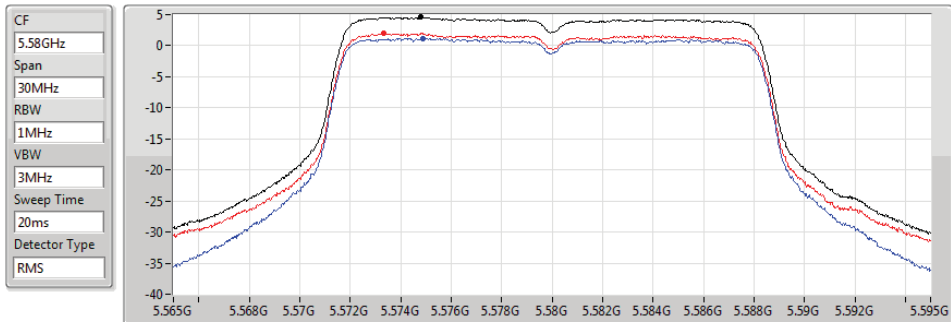
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
2.29	2.29	-0.64	-0.63

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

15/03/2020



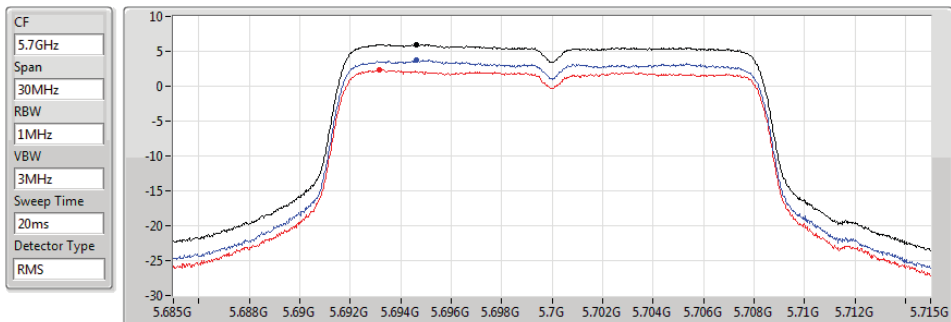
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.58	4.58	1.14	2.06

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

15/03/2020



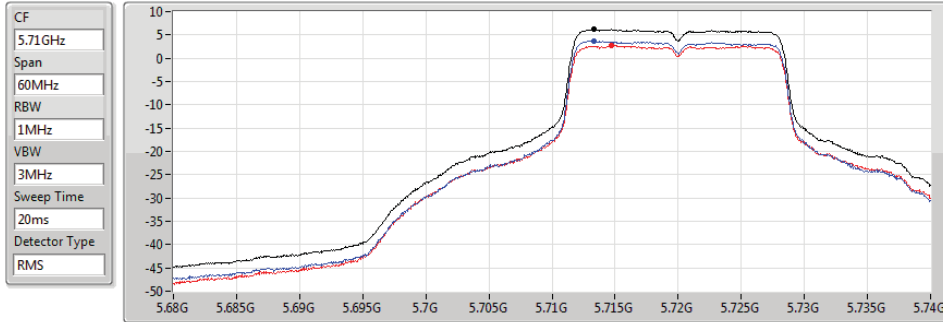
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.00	6.00	3.76	2.32

802.11a_Nss1,(6Mbps)_2TX

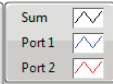
PSD

5720MHz Straddle 5.47-5.725GHz

15/03/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	3.77	2.75

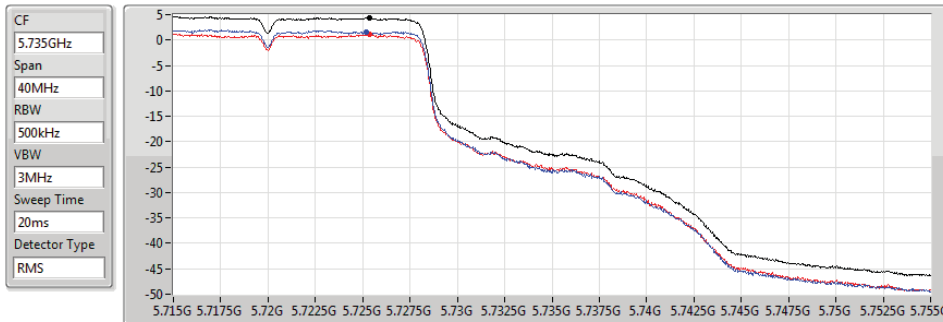


802.11a_Nss1,(6Mbps)_2TX

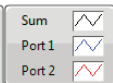
PSD

5720MHz Straddle 5.725-5.85GHz

15/03/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.32	4.32	1.60	1.16

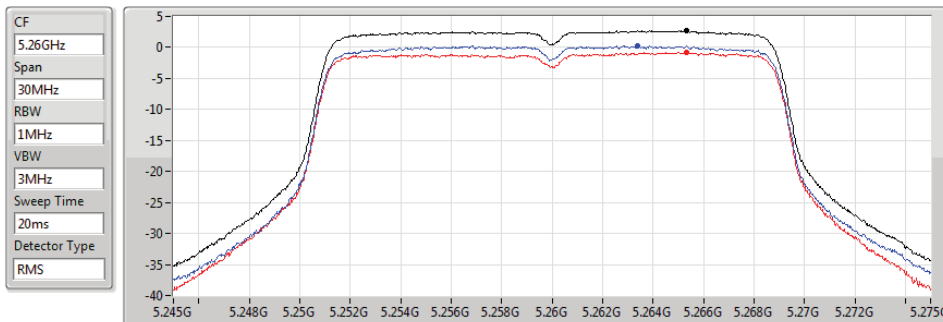


802.11ac VHT20_Nss1,(MCS0)_2TX

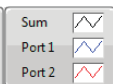
PSD

5260MHz

15/03/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.75	2.75	0.24	-0.78

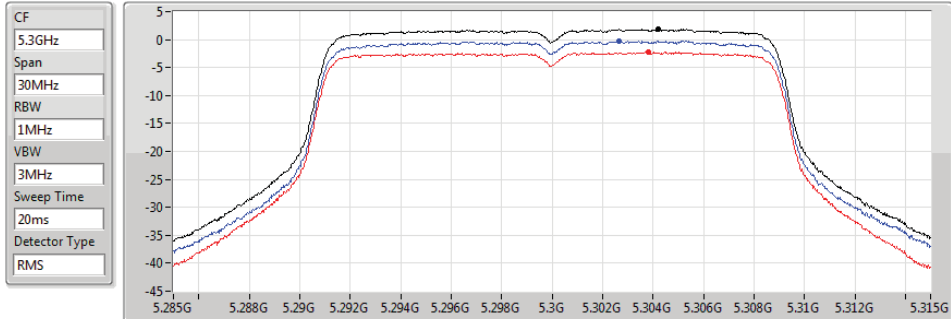


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

15/03/2020



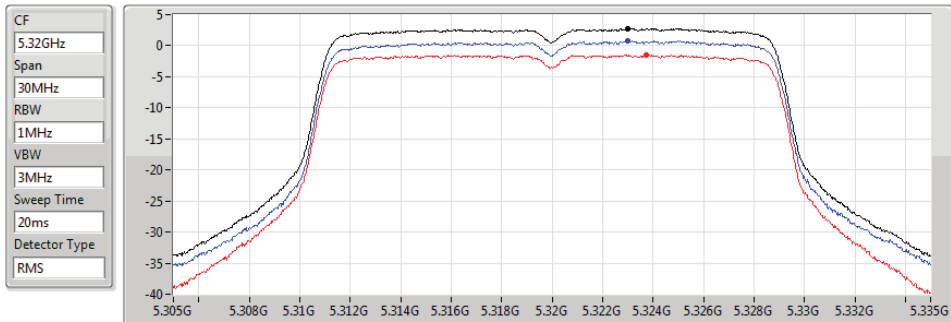
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.81	1.81	-0.27	-2.23

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

15/03/2020



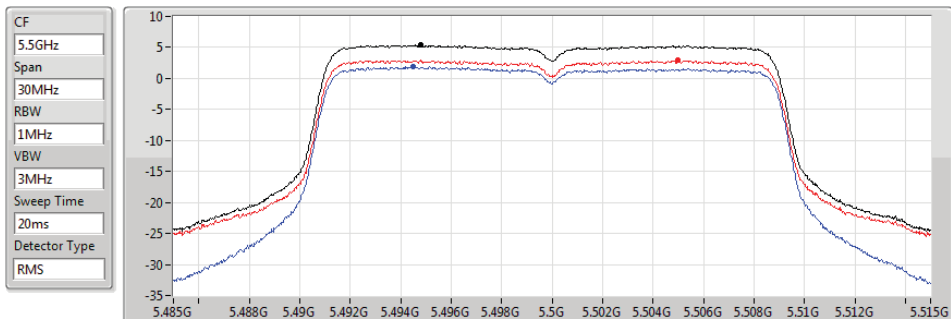
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.73	2.73	0.75	-1.48

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

15/03/2020



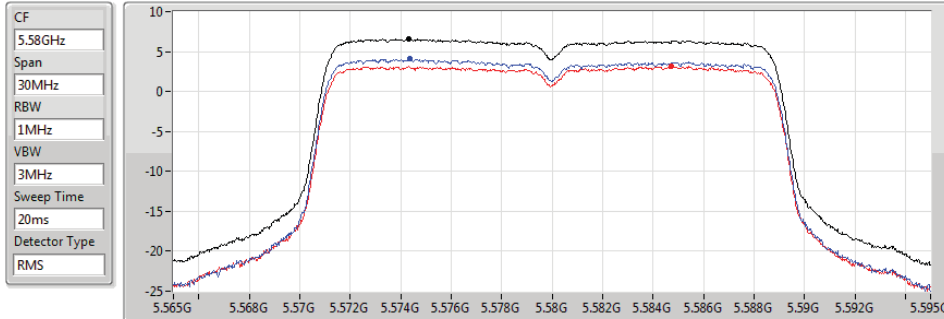
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.37	5.37	1.87	3.03

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

15/03/2020



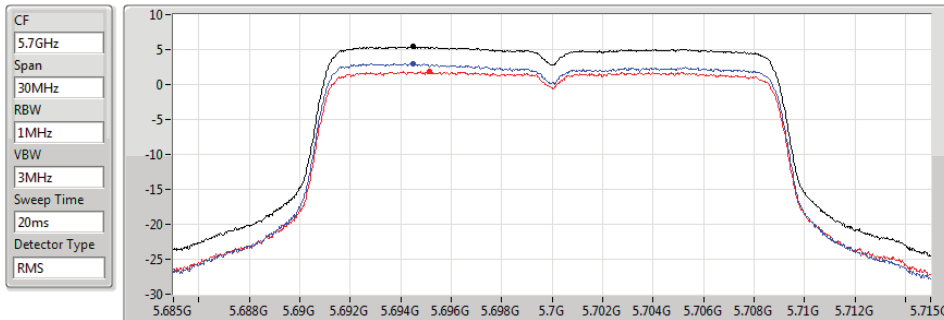
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.61	6.61	4.08	3.13

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

15/03/2020



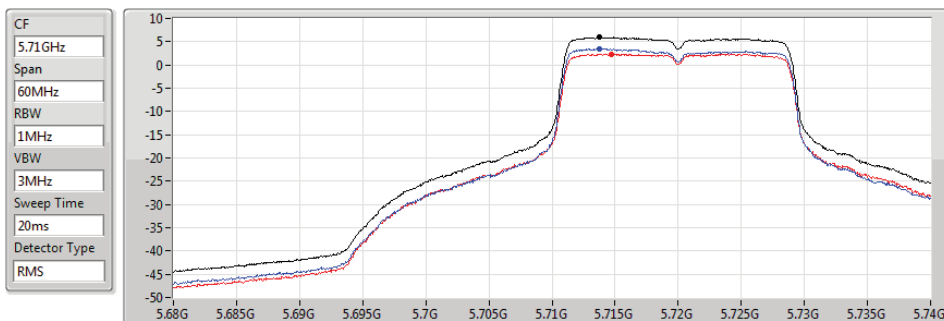
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.41	5.41	3.02	1.80

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

15/03/2020



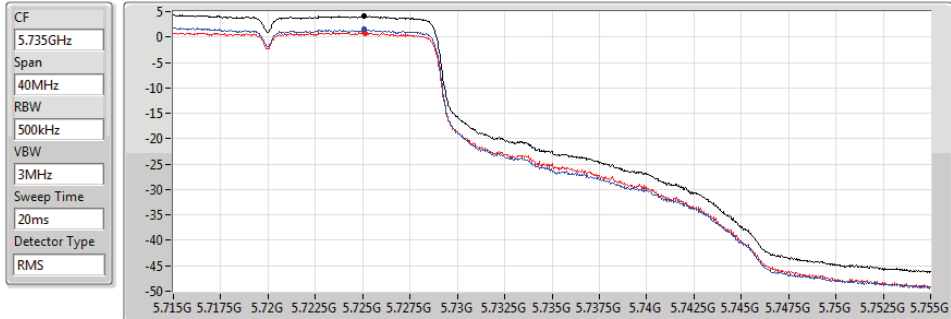
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	3.49	2.36

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

15/03/2020



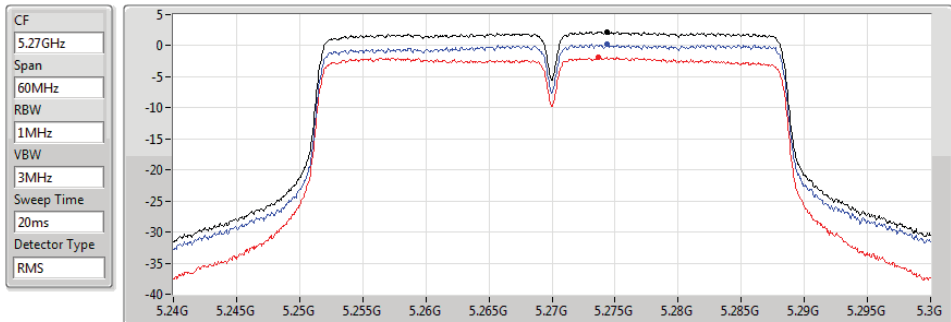
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.13	4.13	1.46	0.80

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz

PSD

15/03/2020



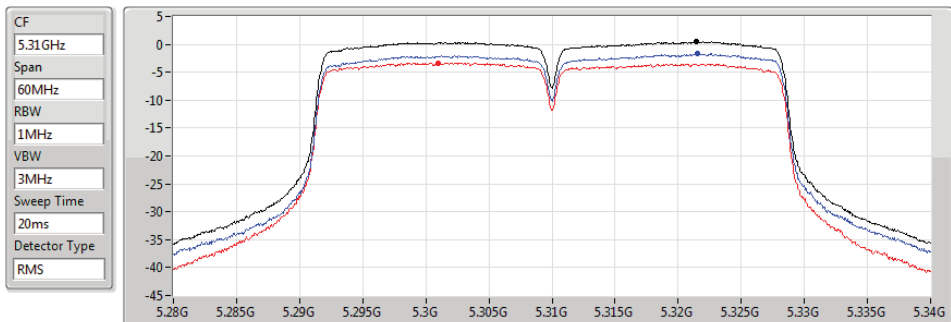
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.22	2.22	0.17	-1.85

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz

PSD

15/03/2020



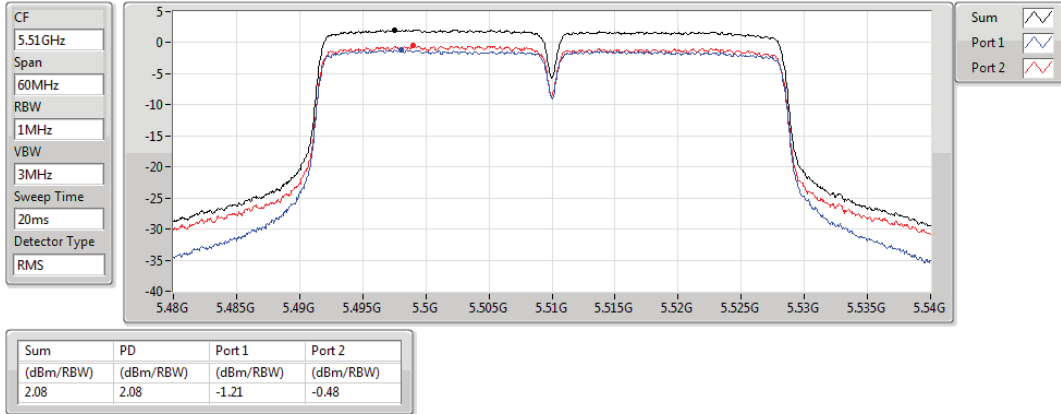
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.45	0.45	-1.69	-3.31

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

15/03/2020

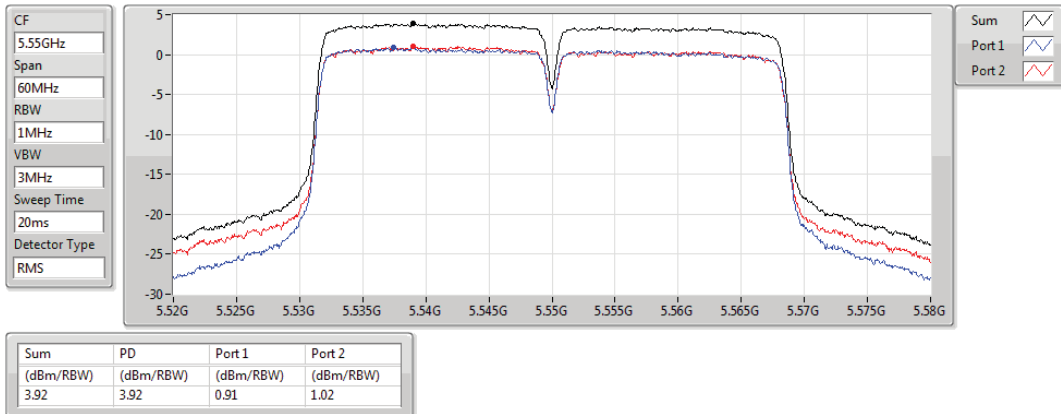


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

15/03/2020

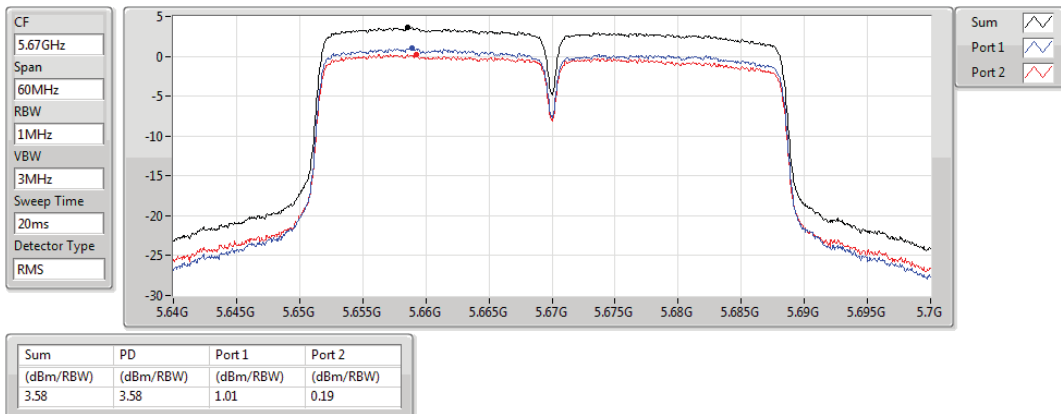


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

15/03/2020

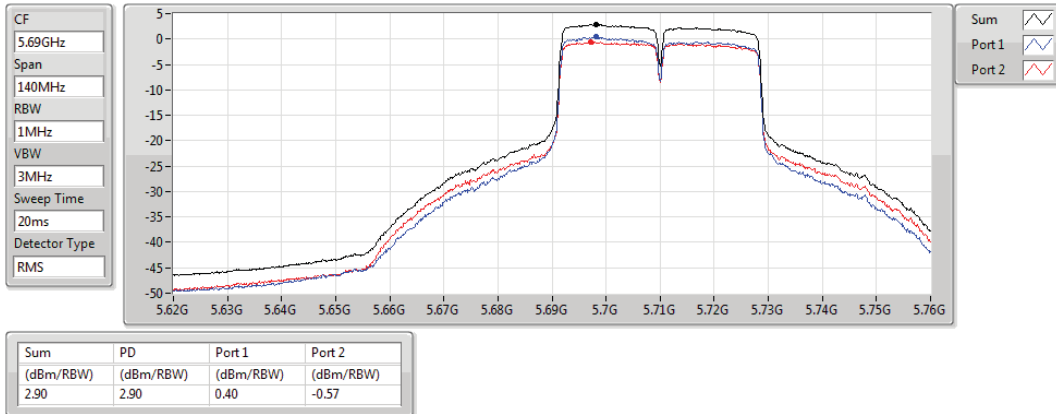


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

15/03/2020

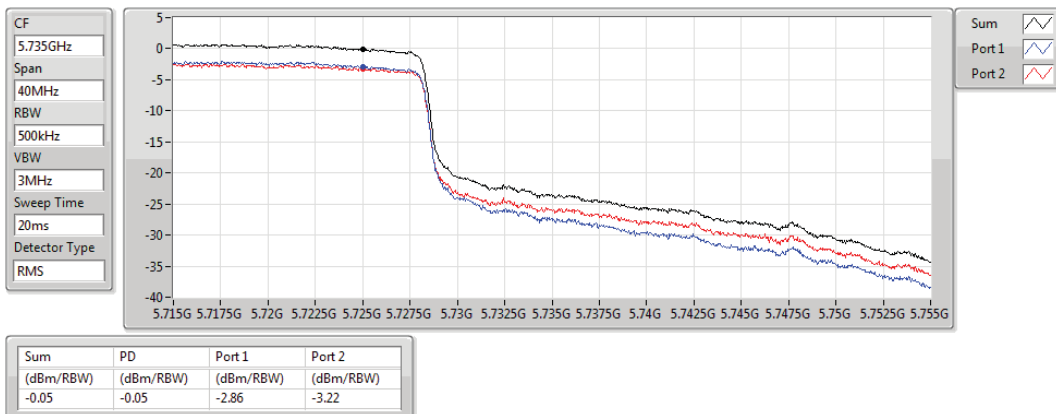


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

15/03/2020

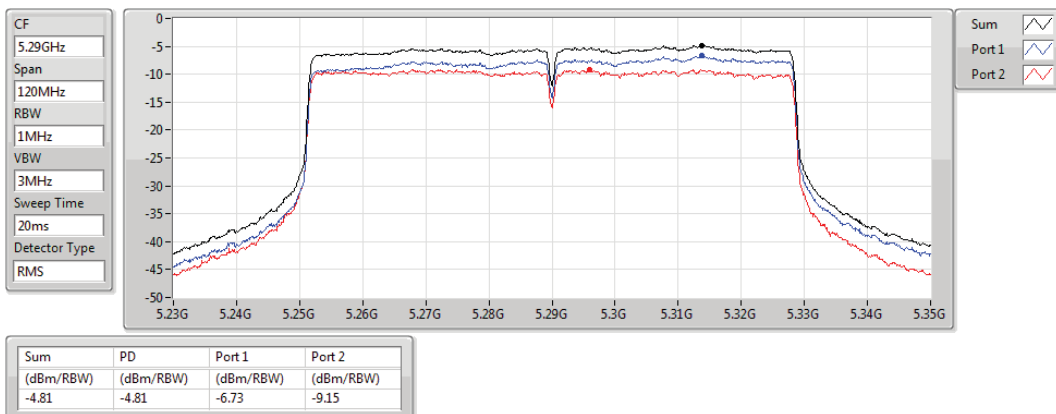


802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

PSD

15/03/2020

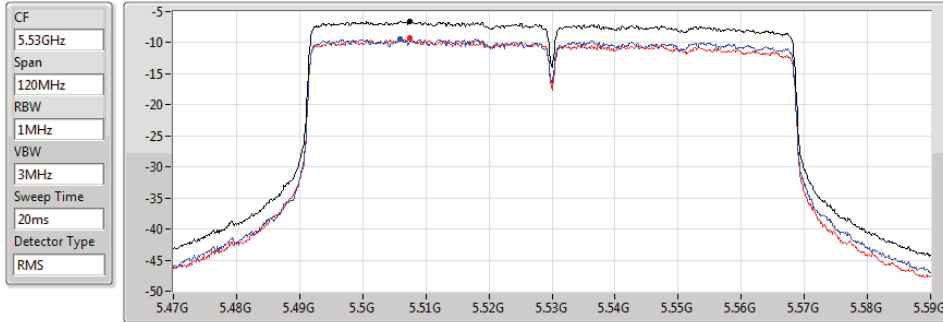


802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

PSD

15/03/2020



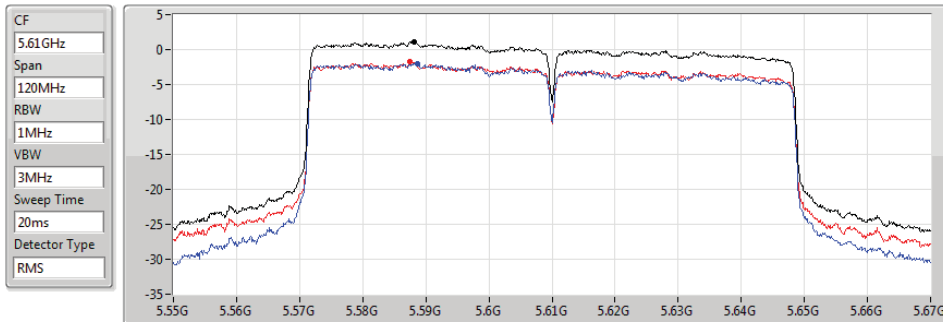
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.52	-6.52	-9.45	-9.26

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

PSD

15/03/2020



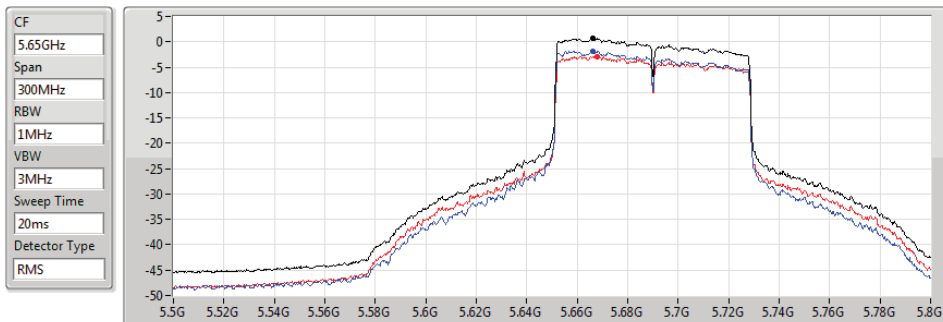
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.11	1.11	-1.96	-1.74

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz

PSD

15/03/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.65	0.65	-1.81	-2.87