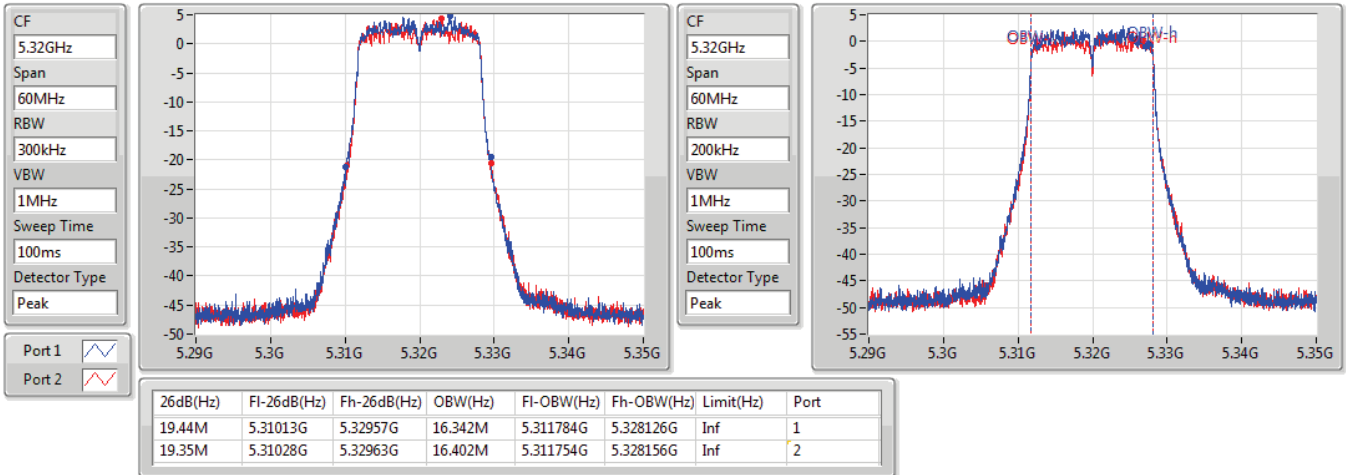
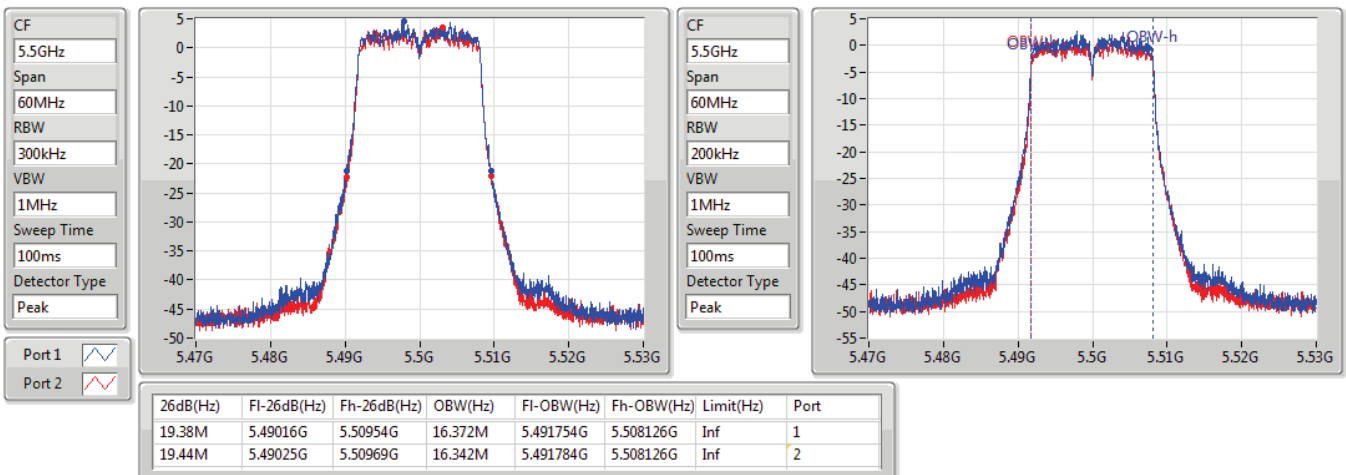


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

05/12/2019

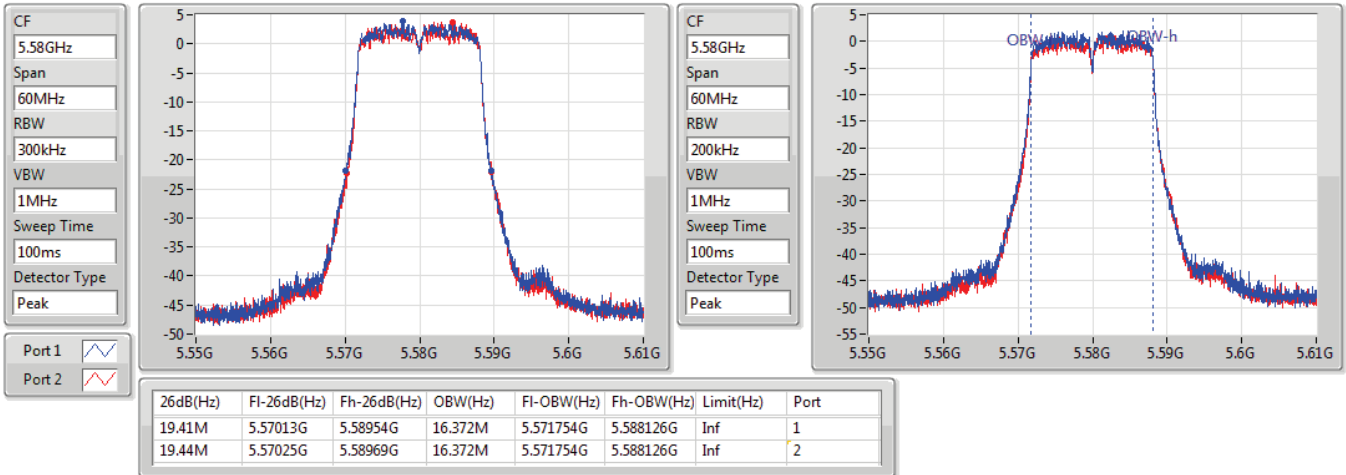

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

05/12/2019

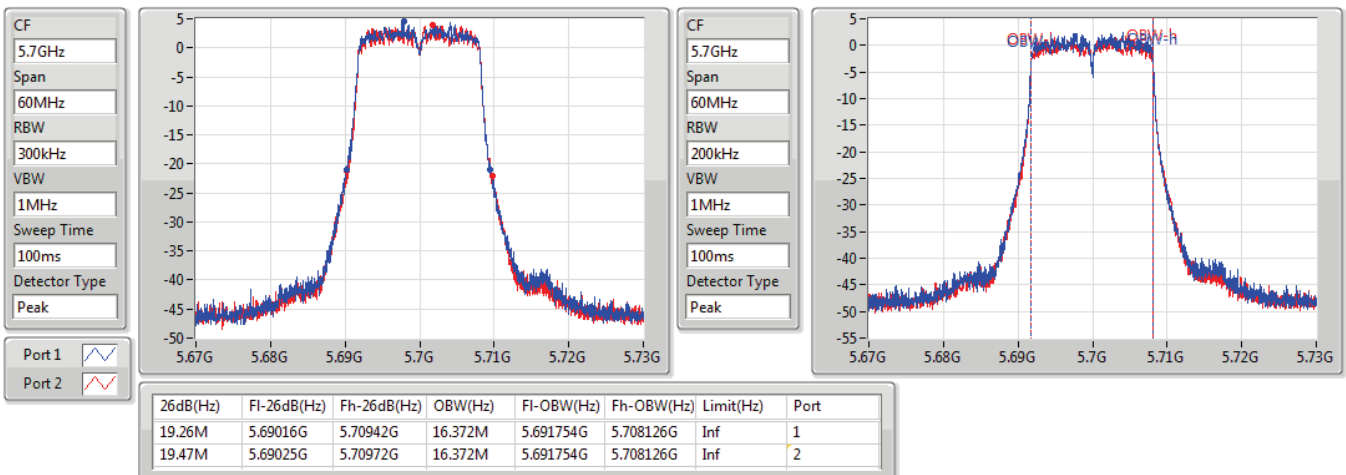


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

05/12/2019

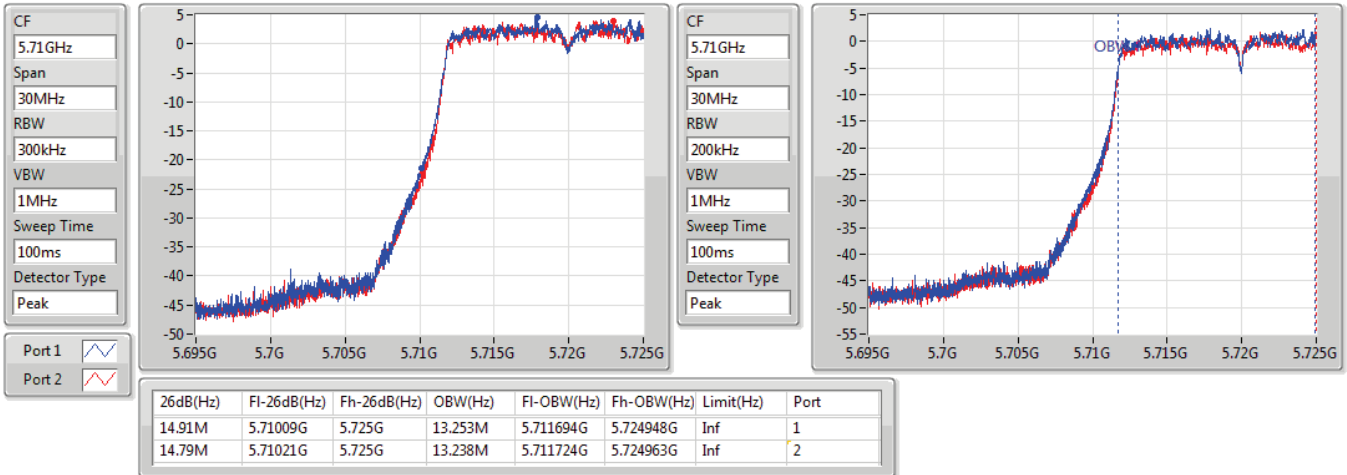

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

05/12/2019

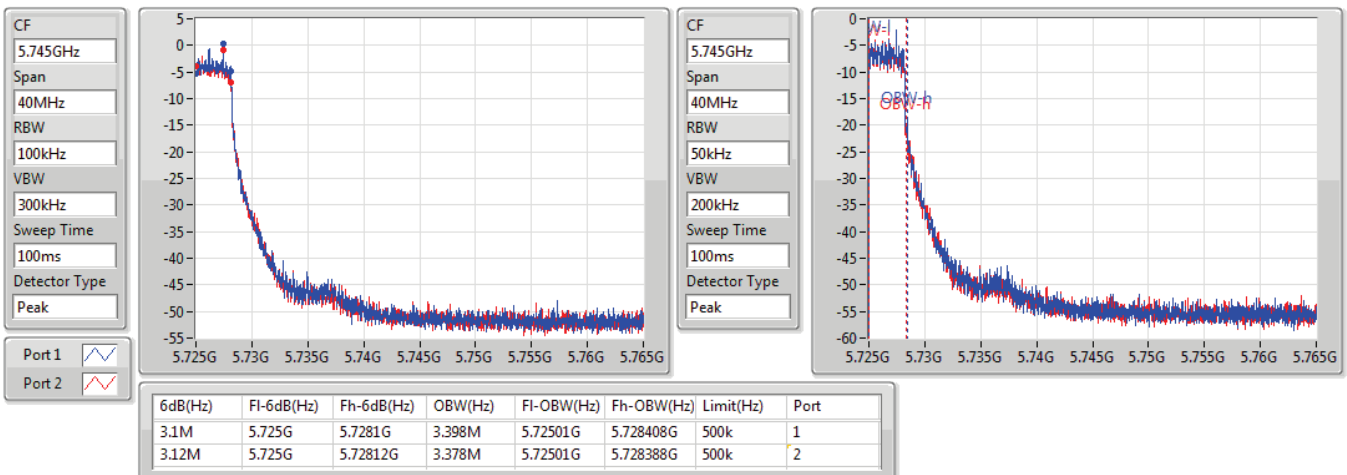


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/12/2019

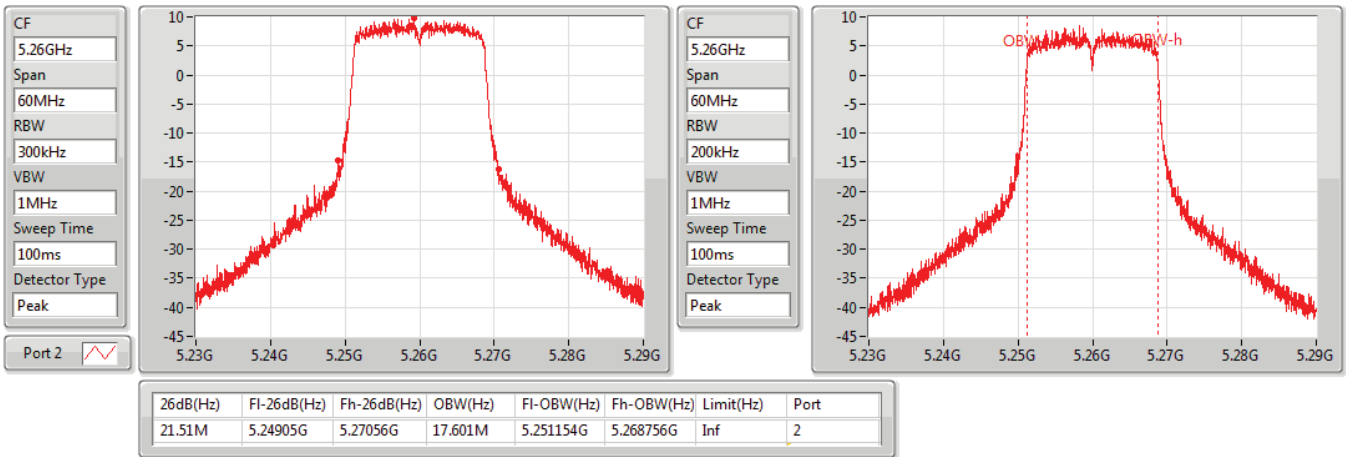

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

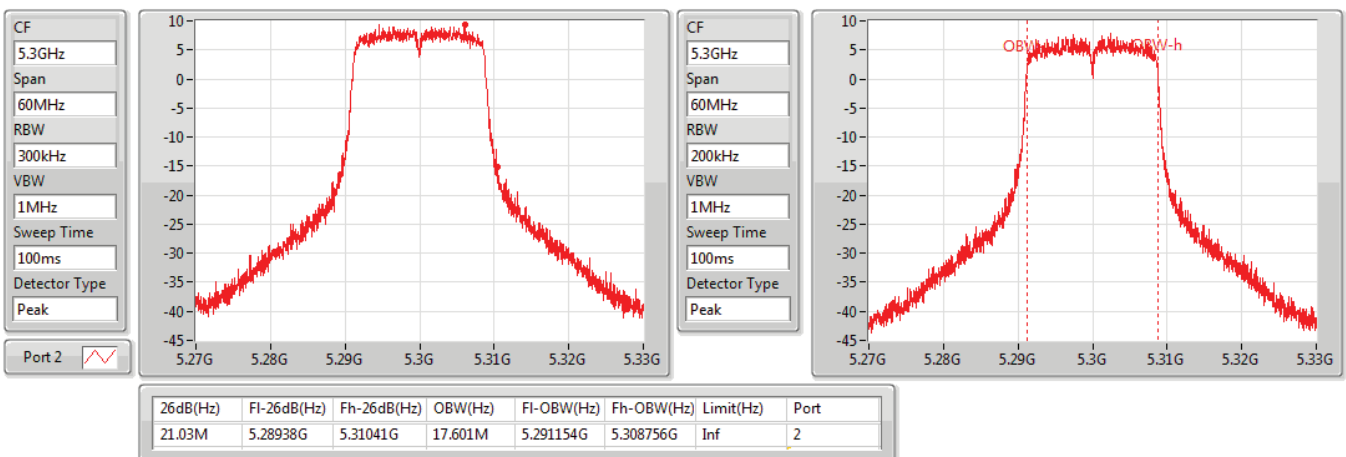


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5260MHz

05/12/2019

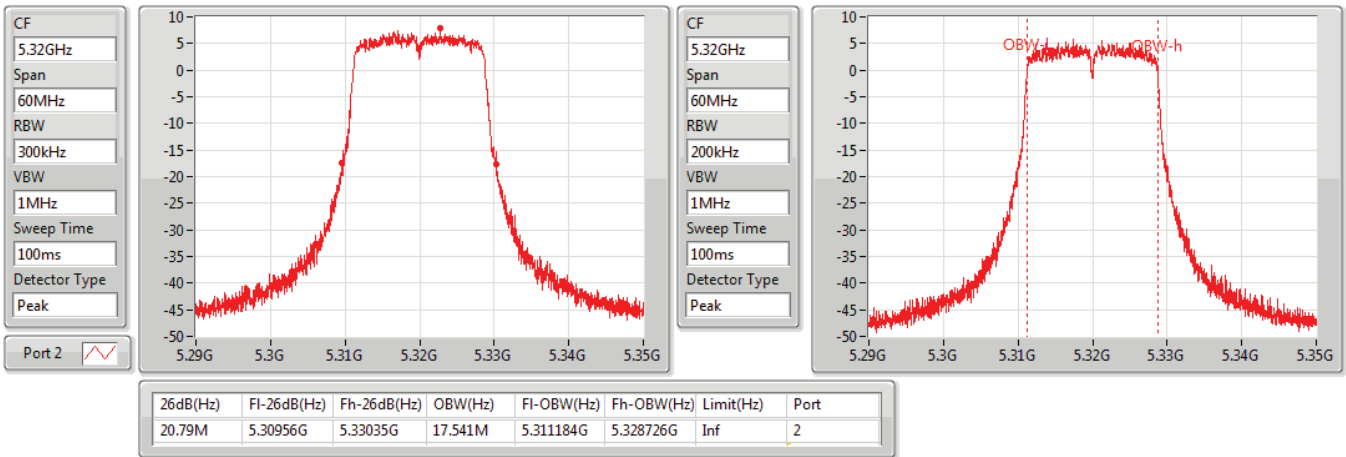

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5300MHz

05/12/2019

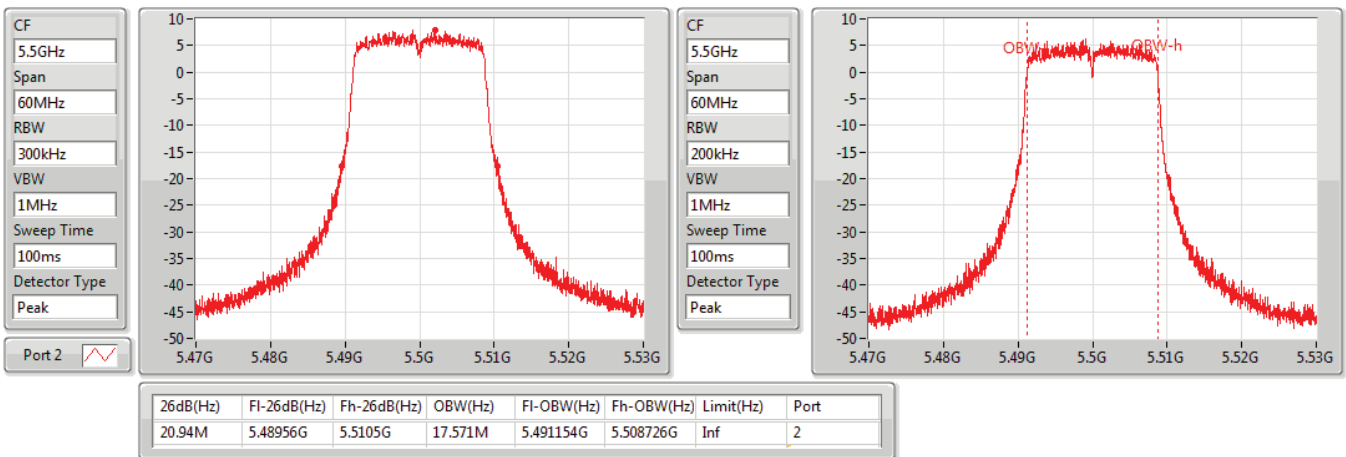


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5320MHz

05/12/2019

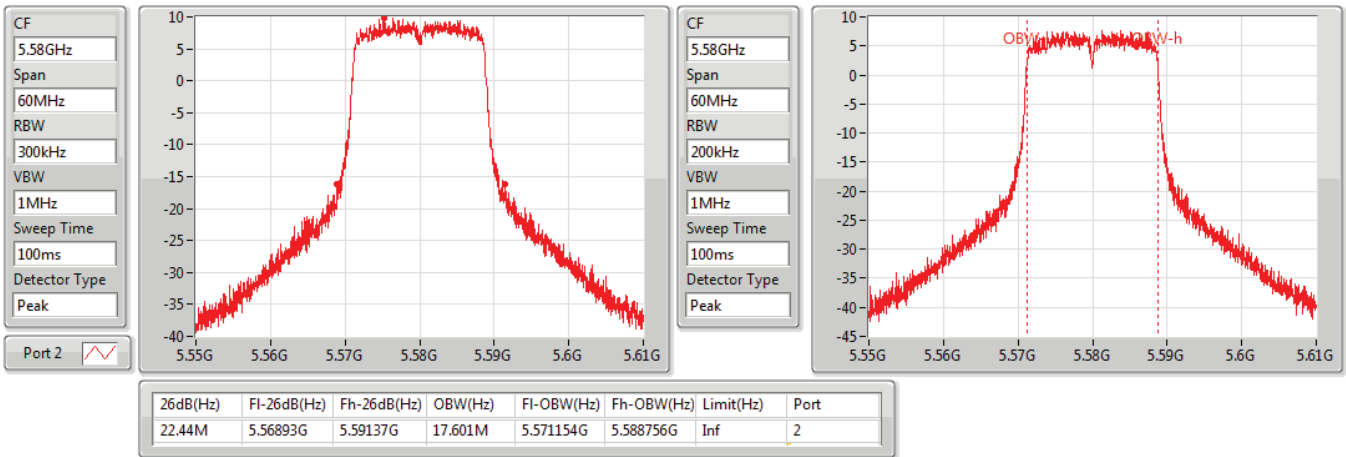

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5500MHz

05/12/2019

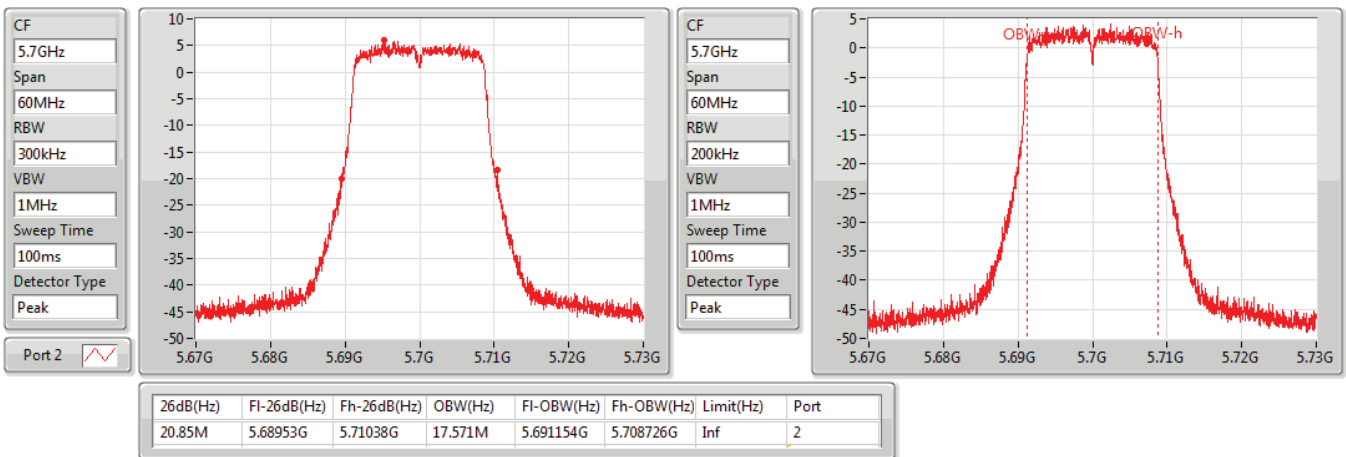


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5580MHz

05/12/2019

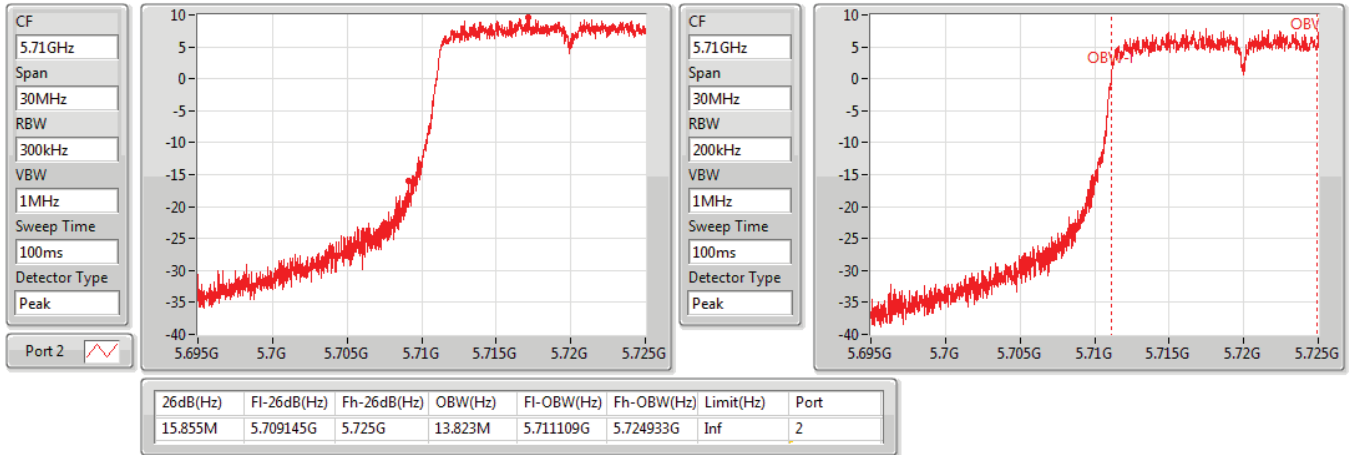

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5700MHz

05/12/2019

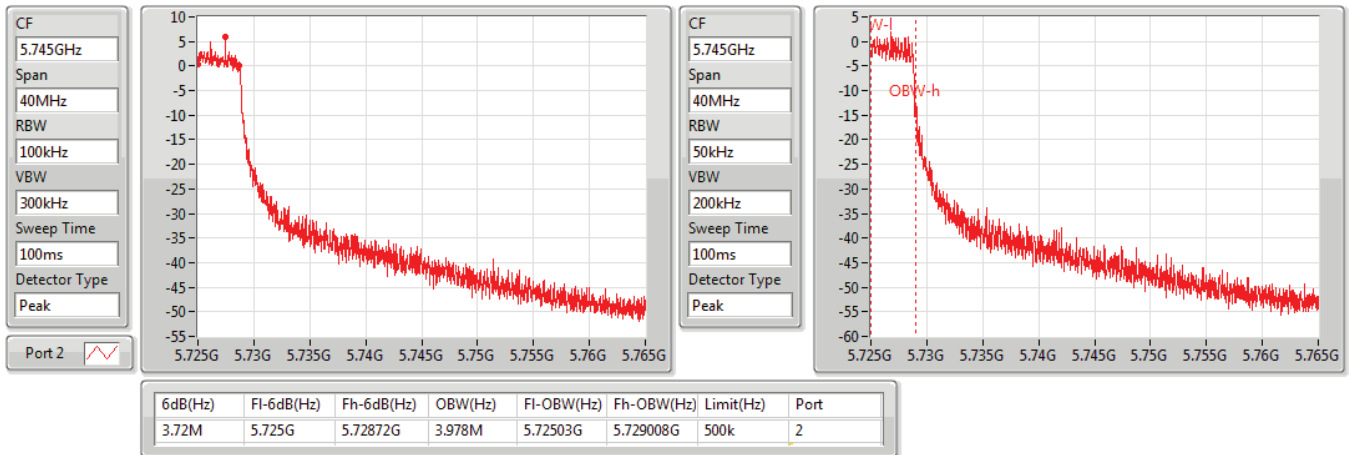


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5720MHz Straddle 5.47-5.725GHz

05/12/2019

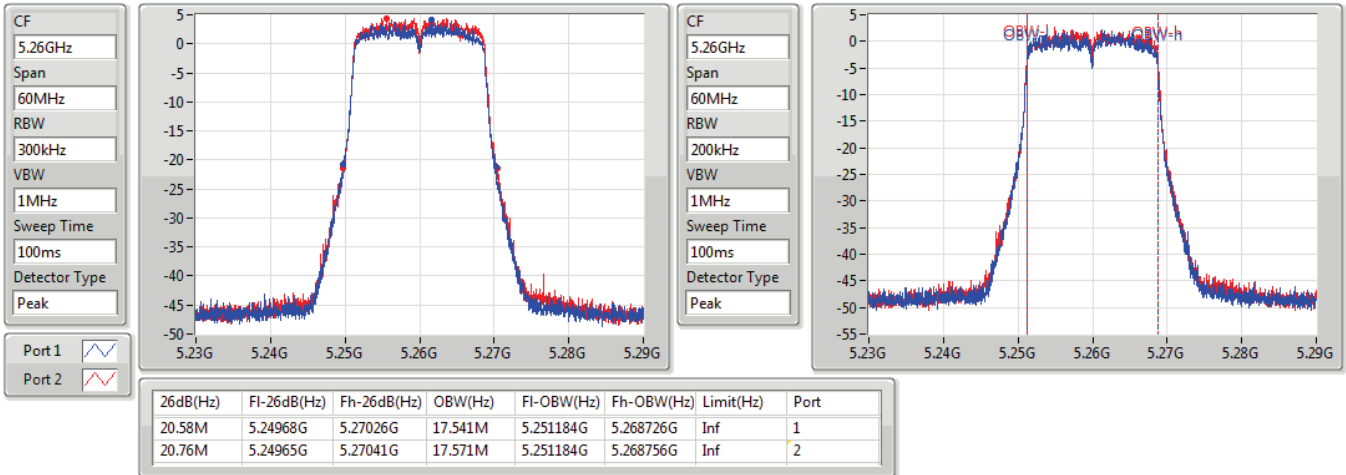

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

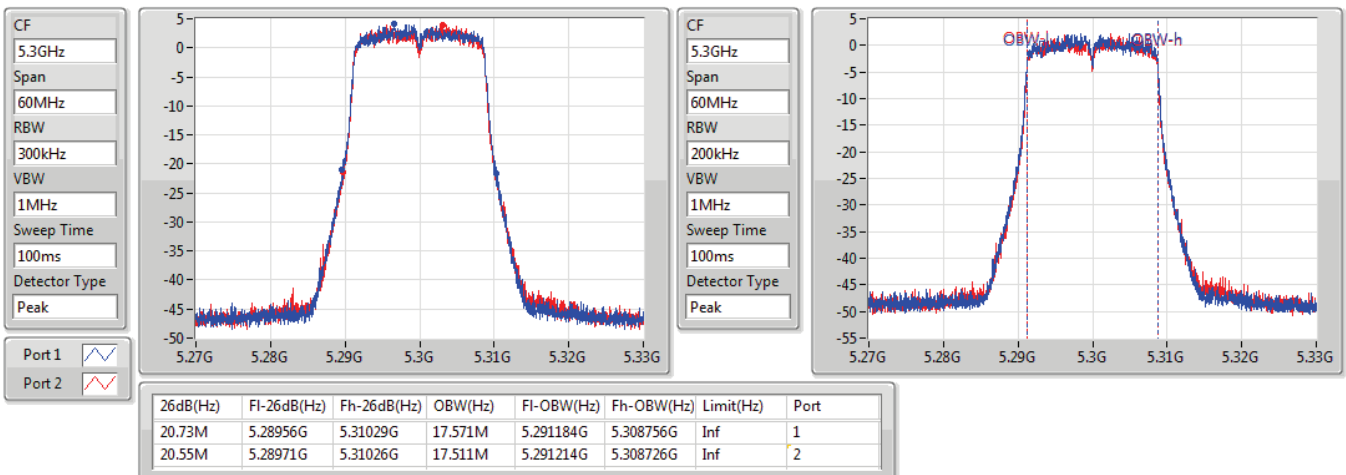


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

05/12/2019

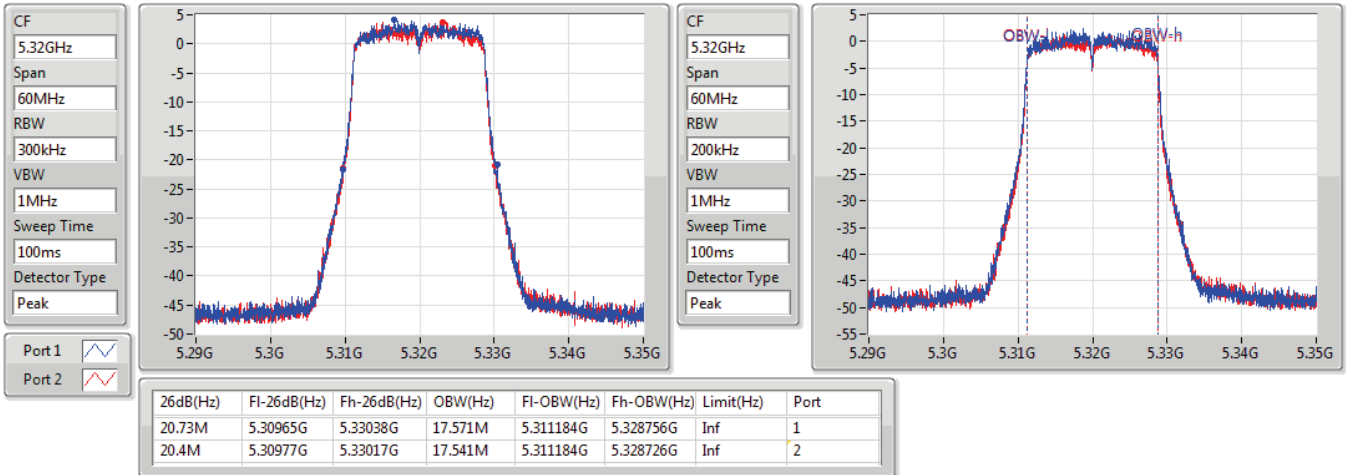

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

05/12/2019

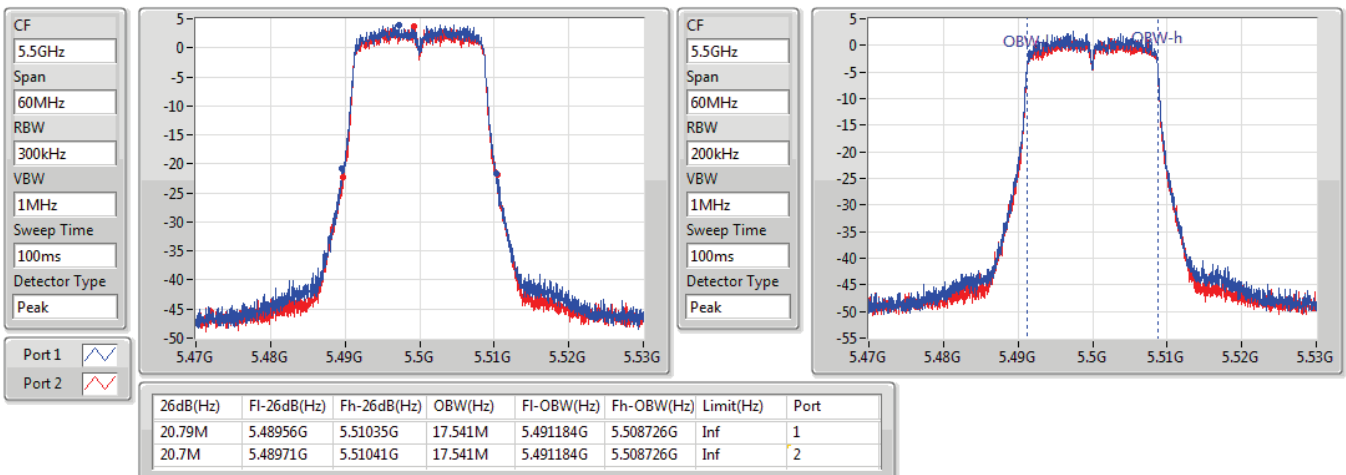


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

05/12/2019

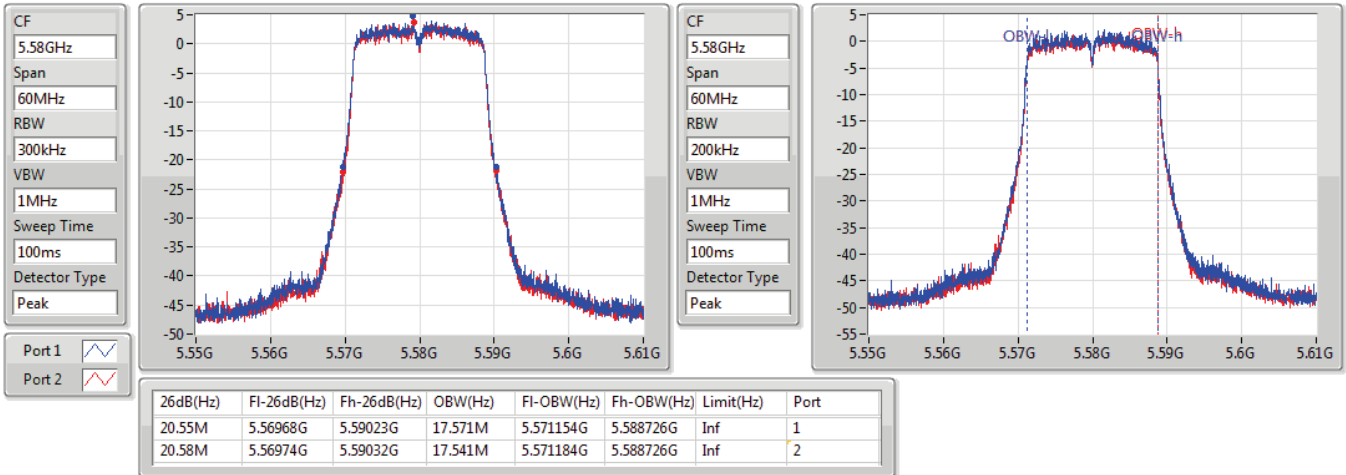

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

05/12/2019

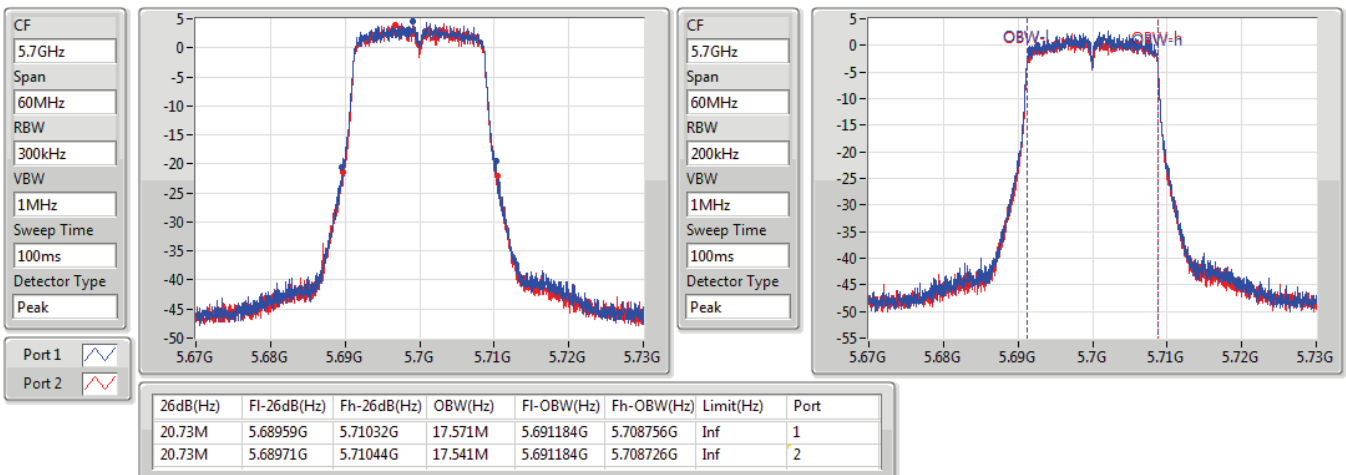


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

05/12/2019


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

05/12/2019

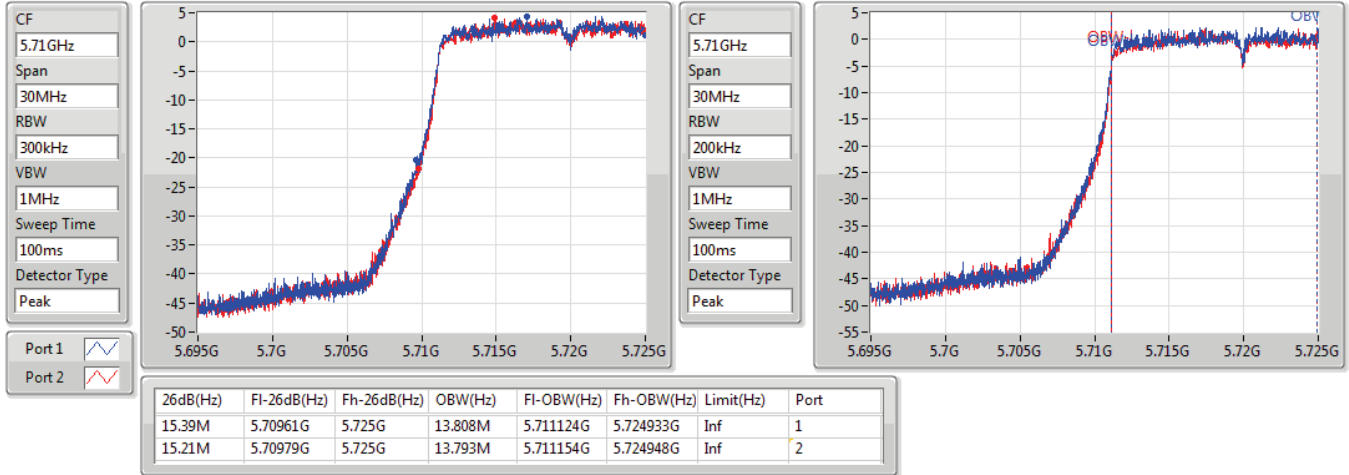


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/12/2019

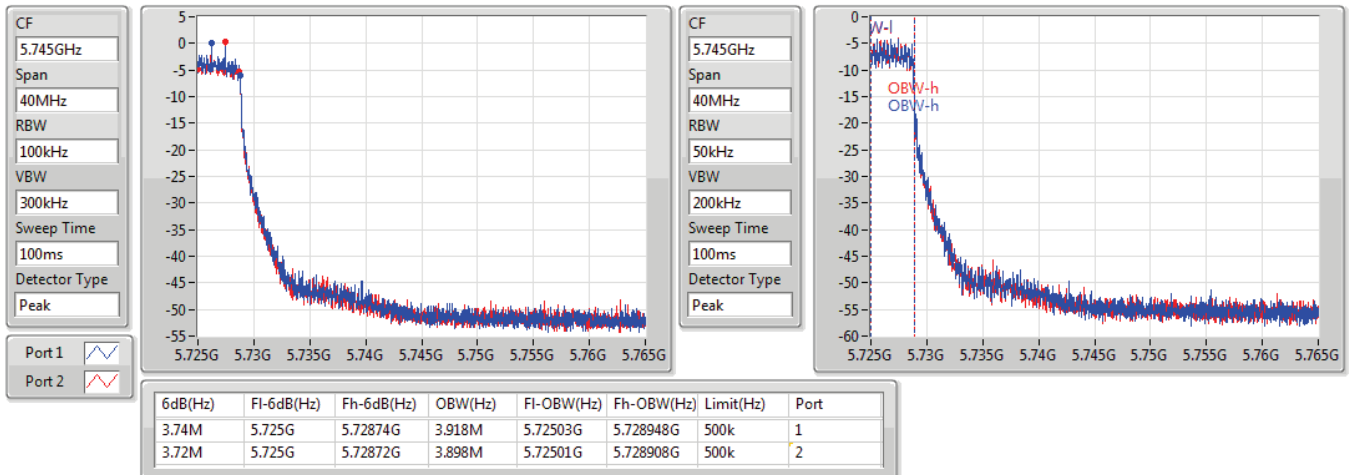


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

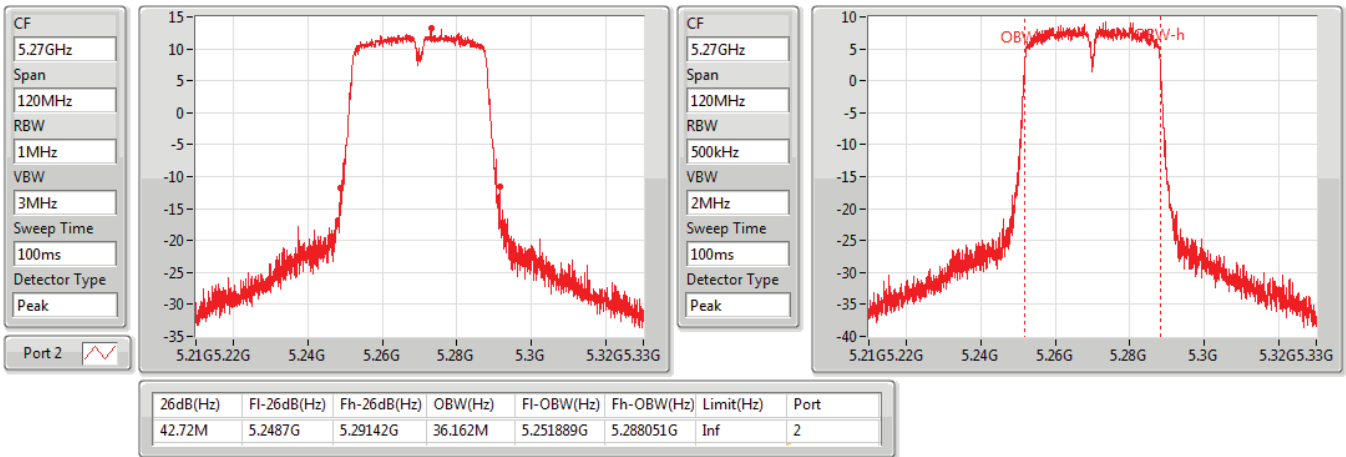
5720MHz Straddle 5.725-5.85GHz

05/12/2019

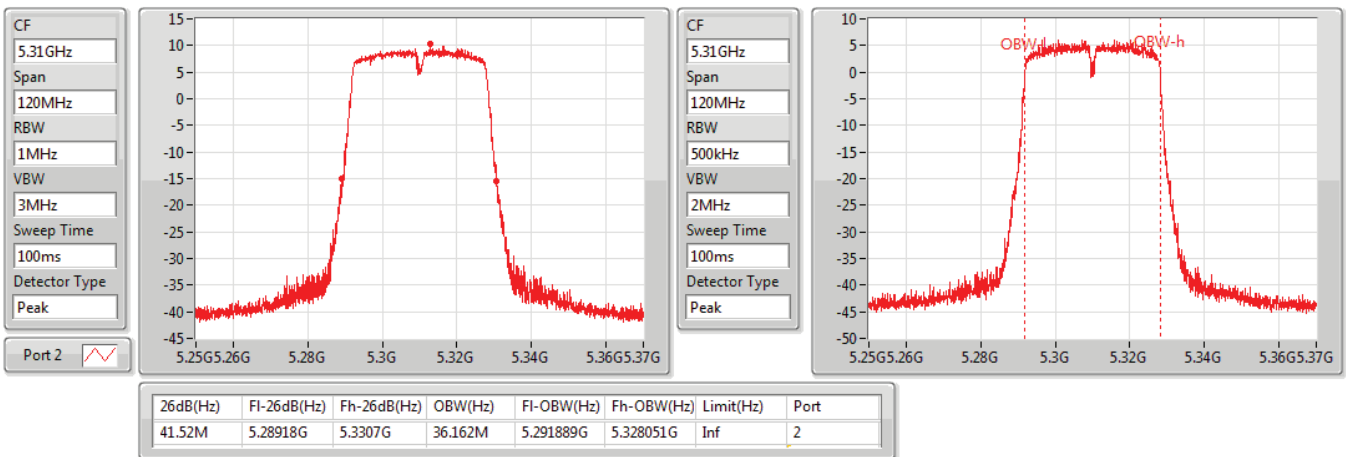


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5270MHz

05/12/2019

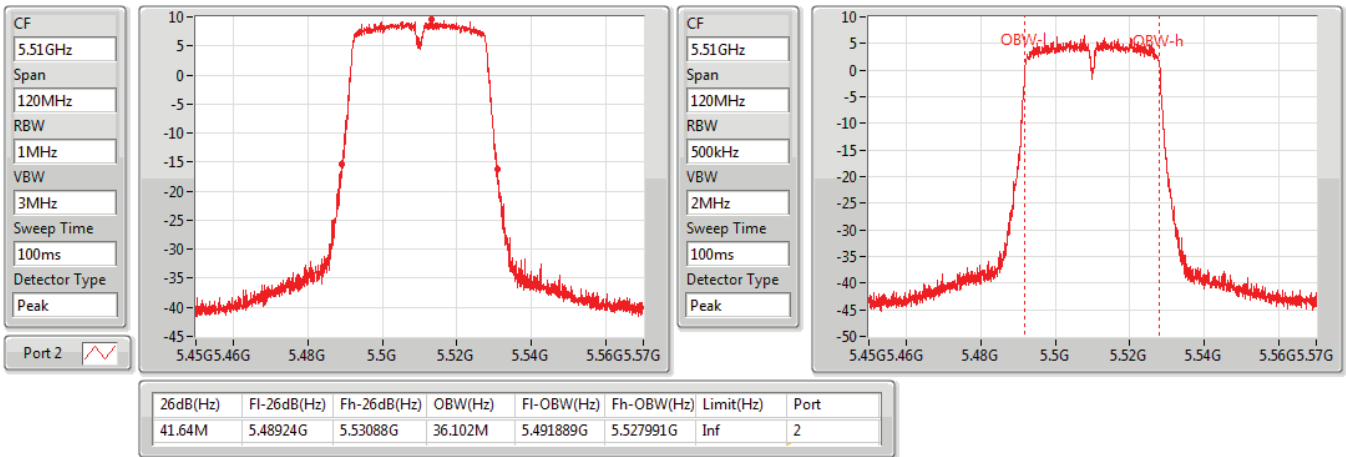

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5310MHz

05/12/2019

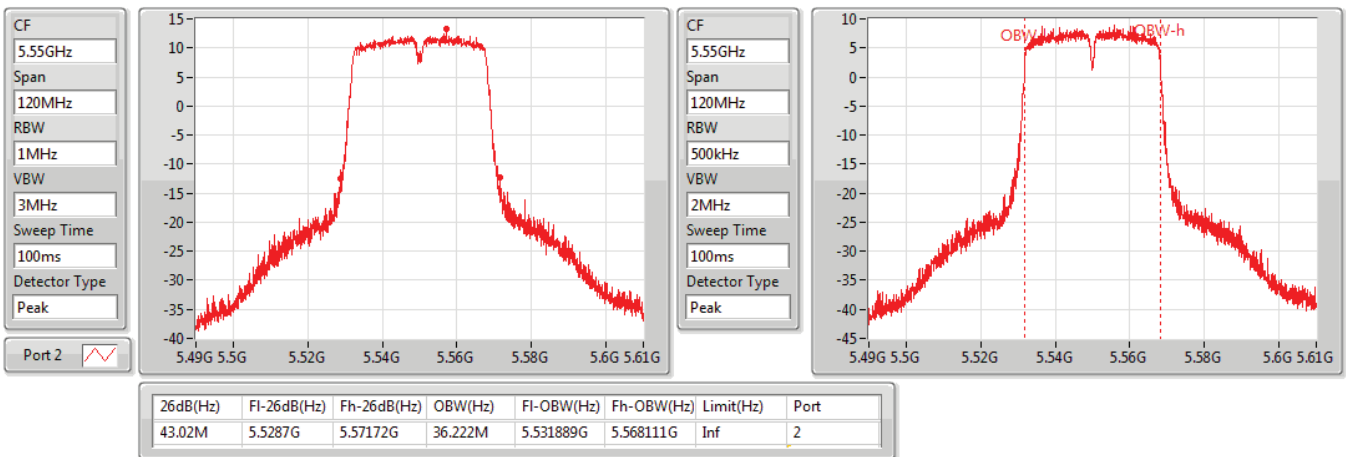


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5510MHz

05/12/2019

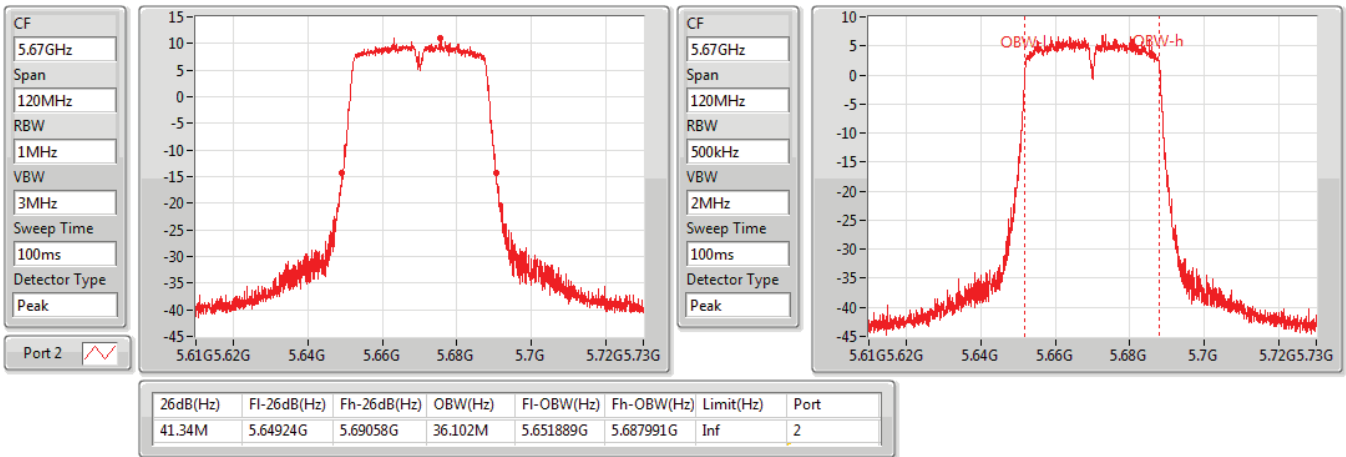

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5550MHz

05/12/2019

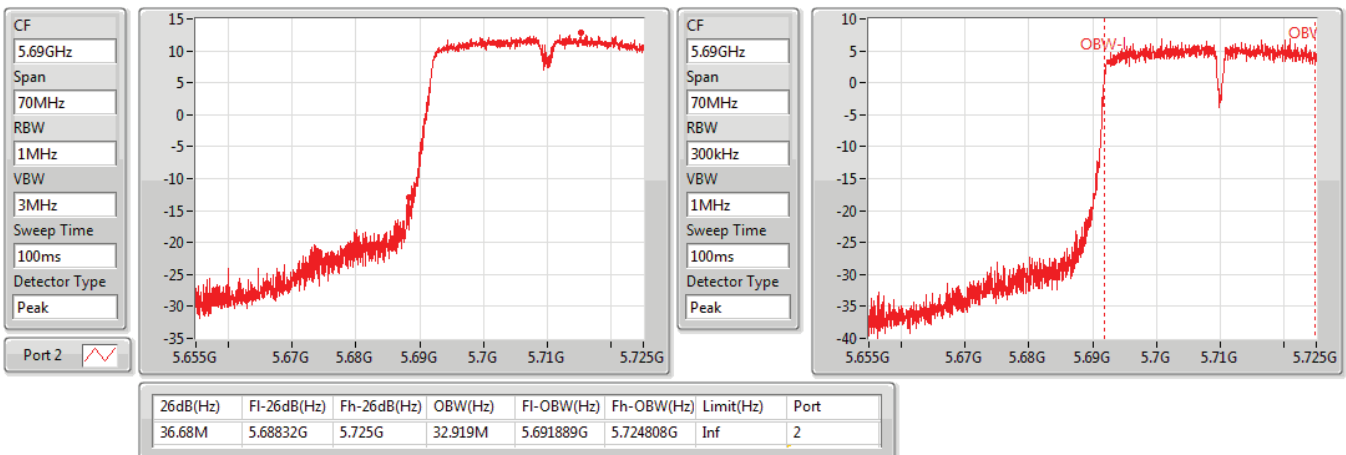


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5670MHz

05/12/2019

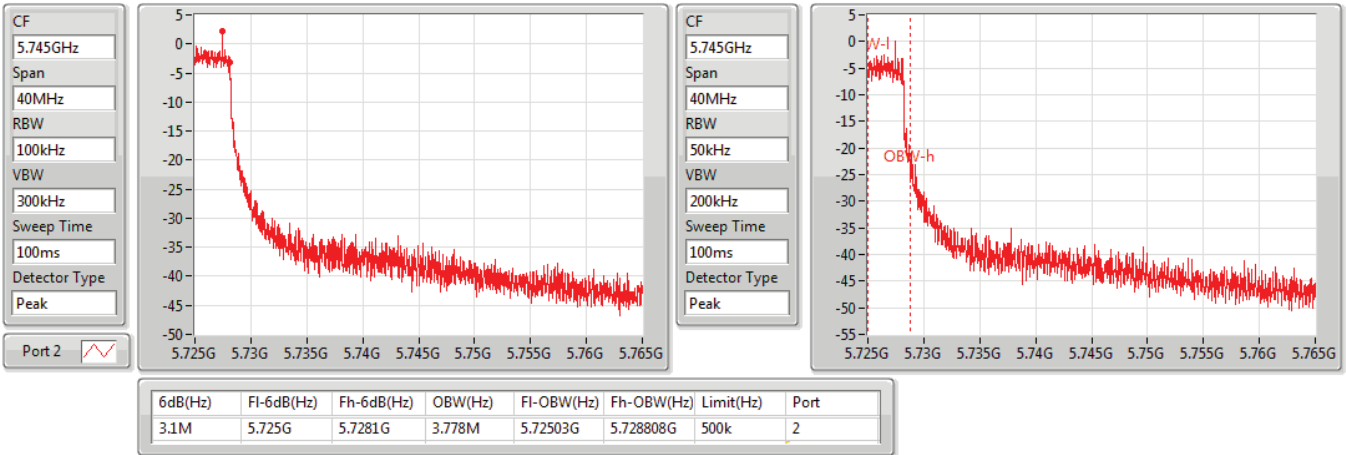

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5710MHz Straddle 5.47-5.725GHz

05/12/2019

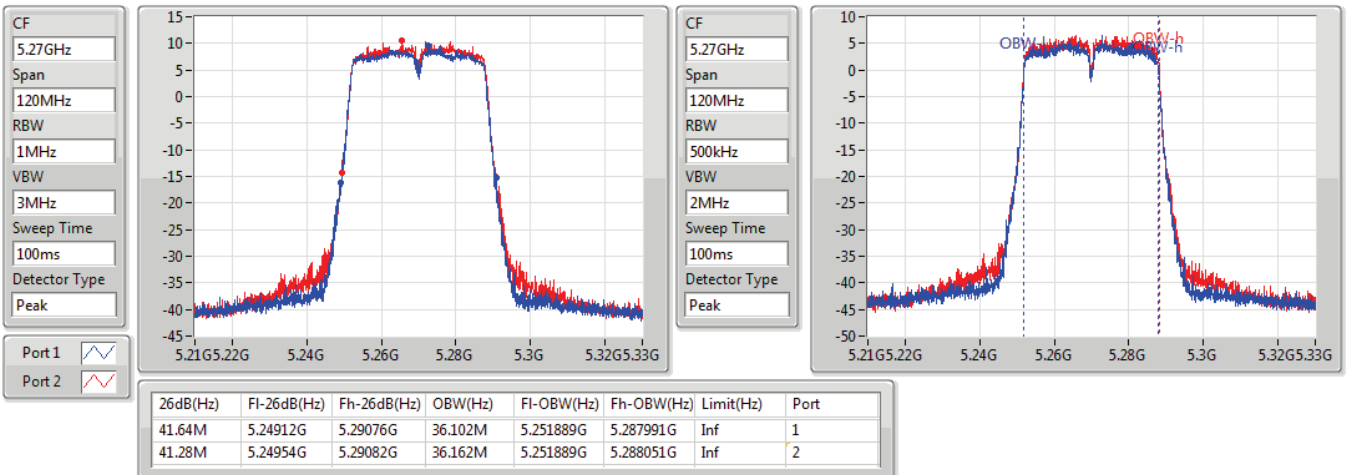


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)
EBW
5710MHz Straddle 5.725-5.85GHz

05/12/2019

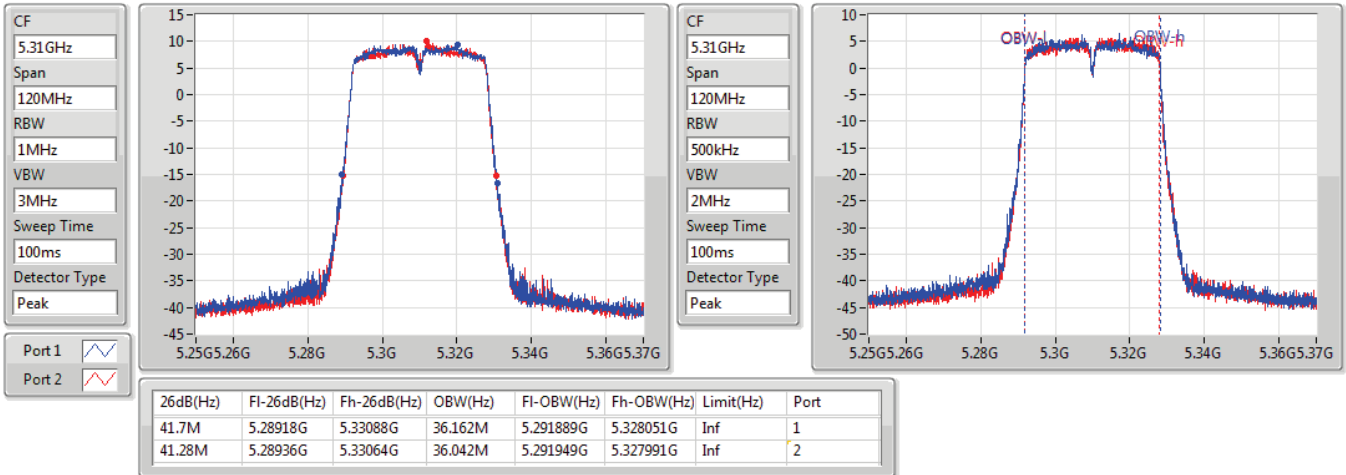

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

05/12/2019

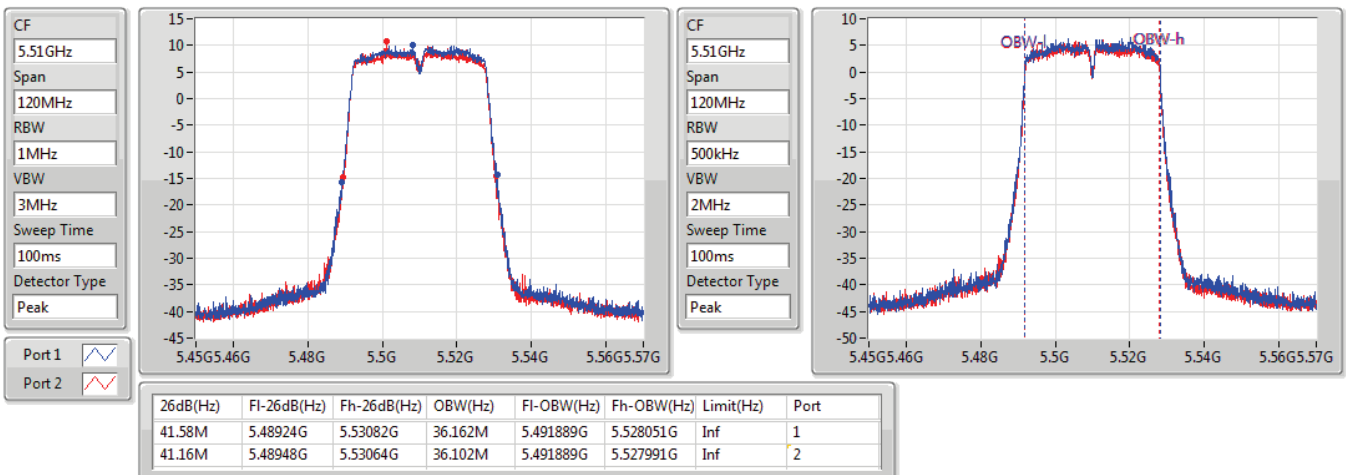


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

05/12/2019

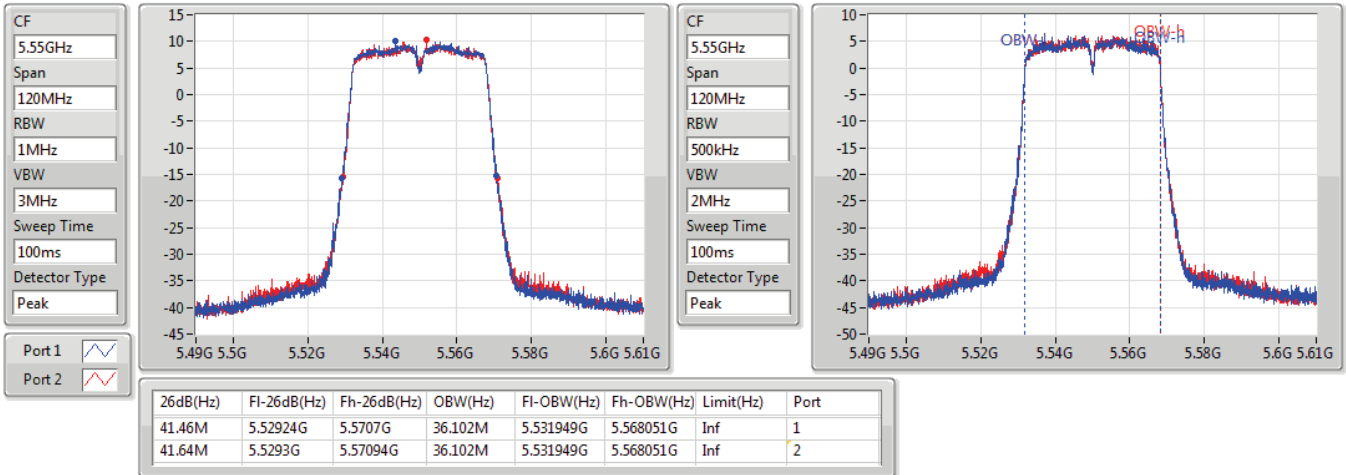

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

05/12/2019

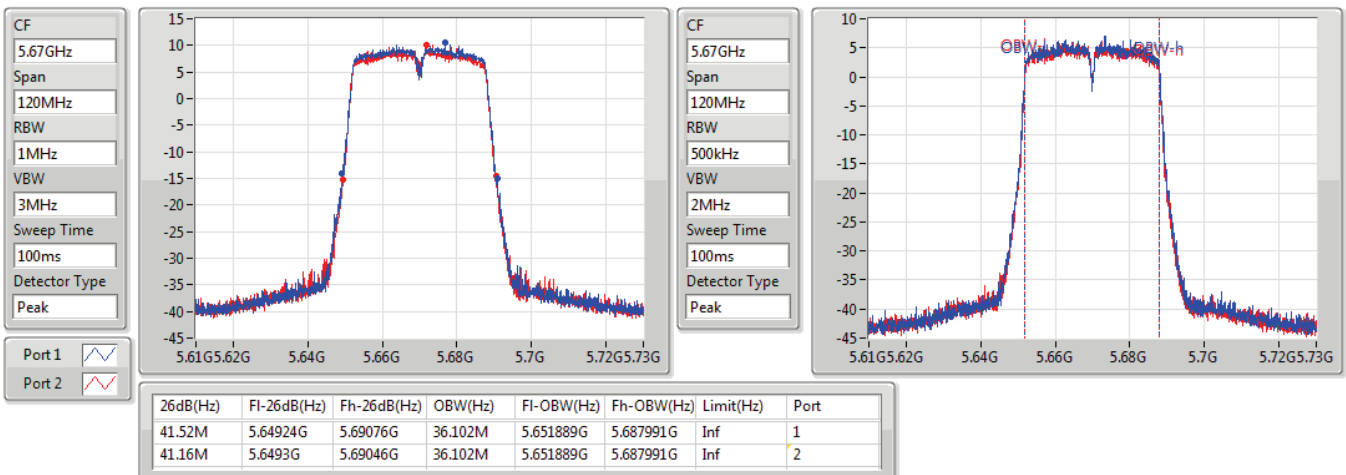


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

05/12/2019

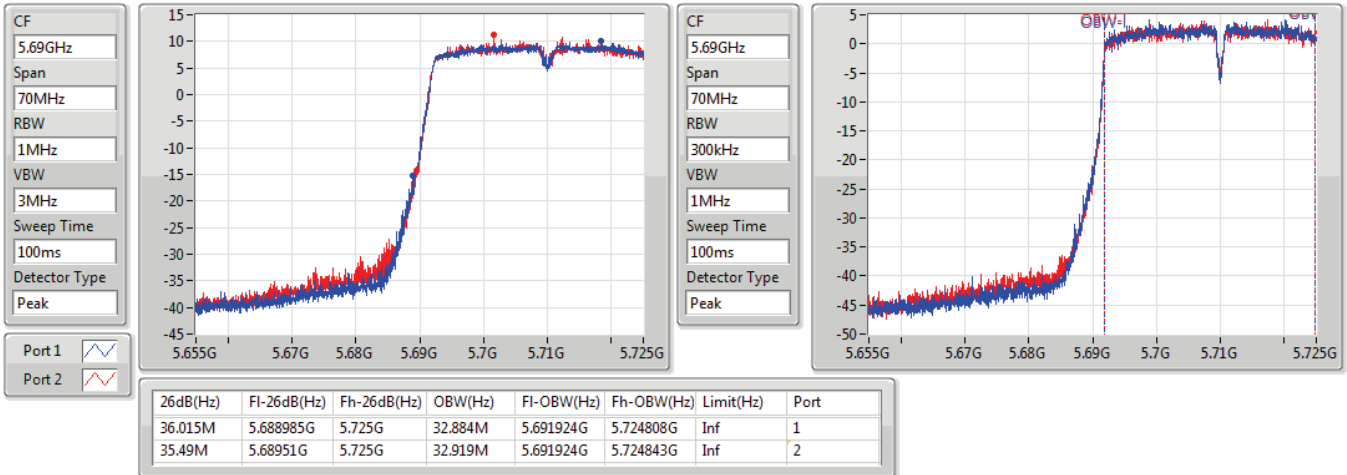

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

05/12/2019

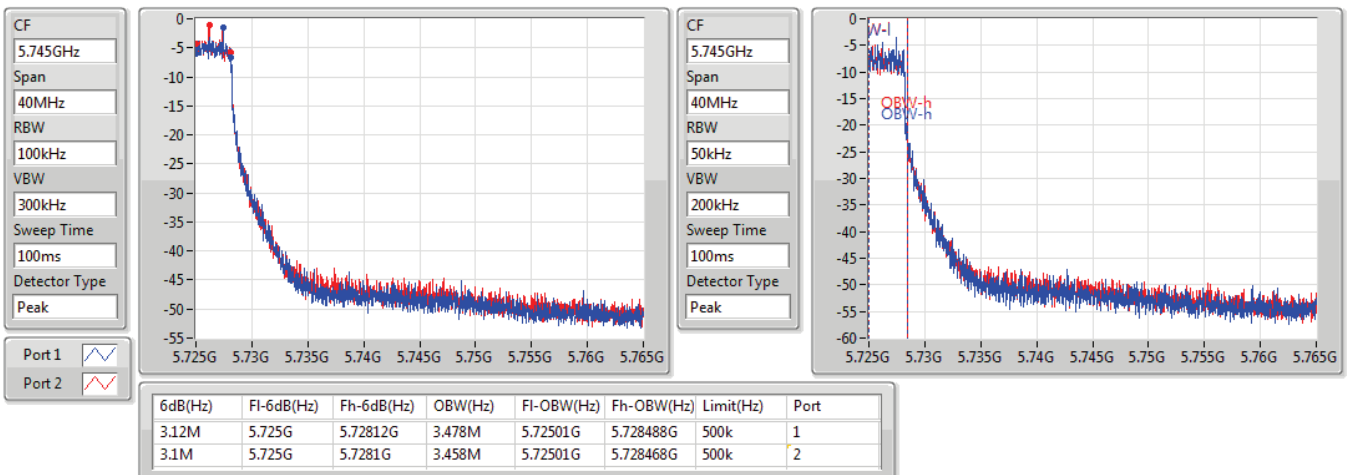


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

05/12/2019

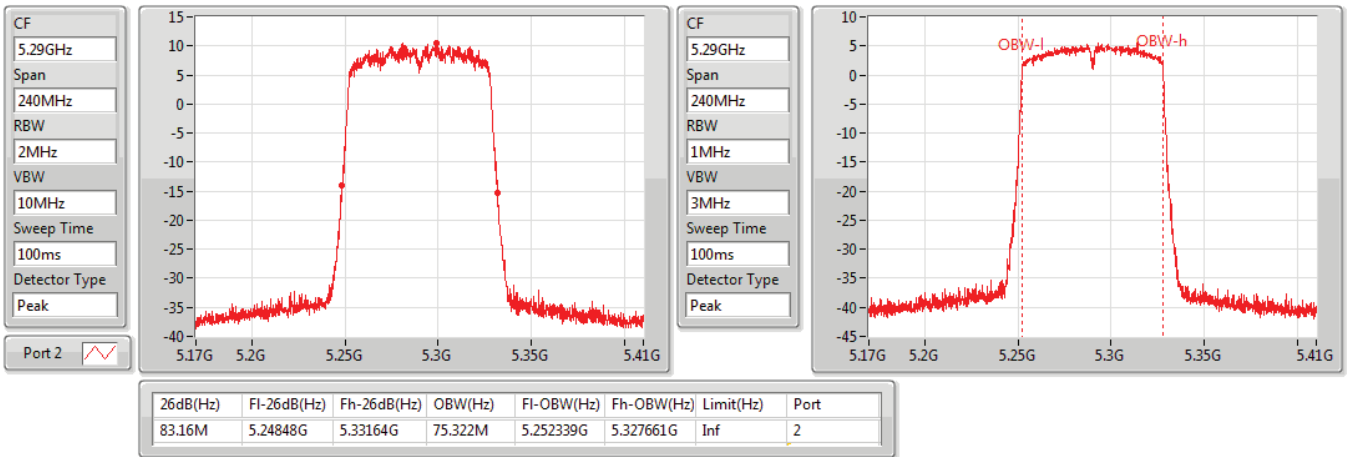

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/12/2019

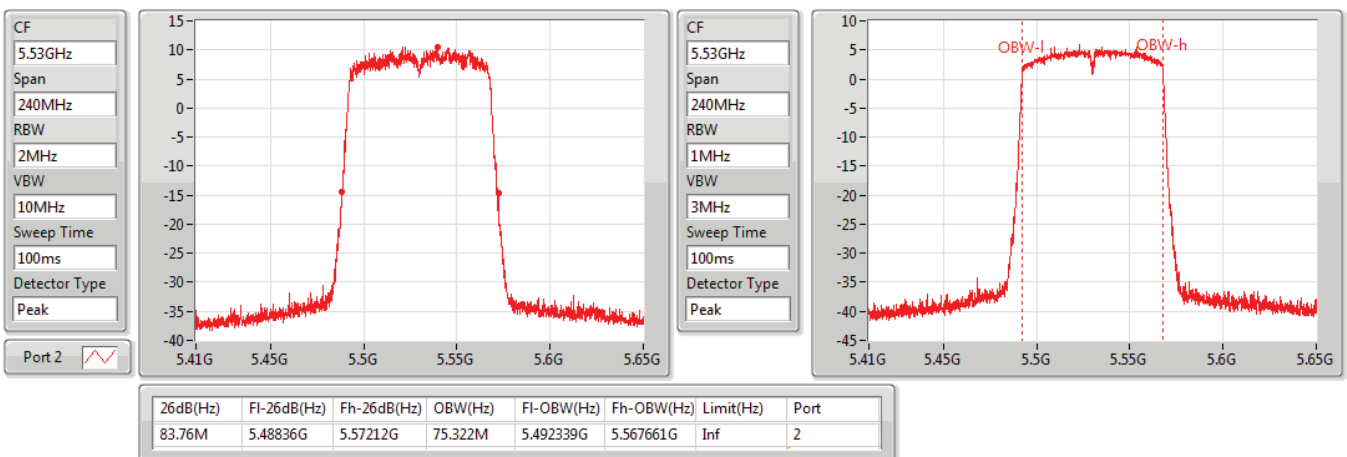


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)
EBW
5290MHz

05/12/2019

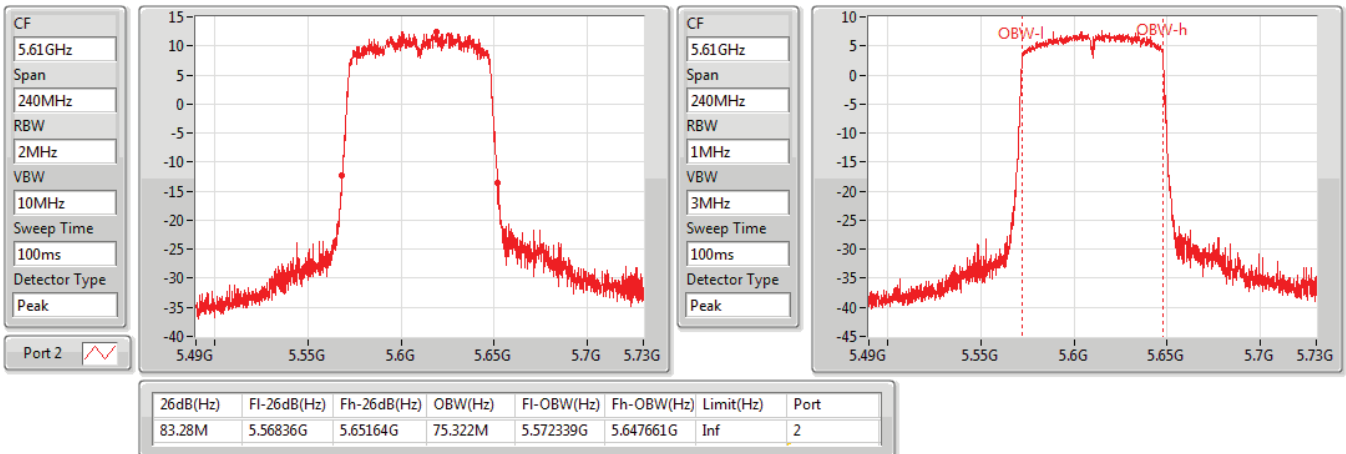

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)
EBW
5530MHz

05/12/2019

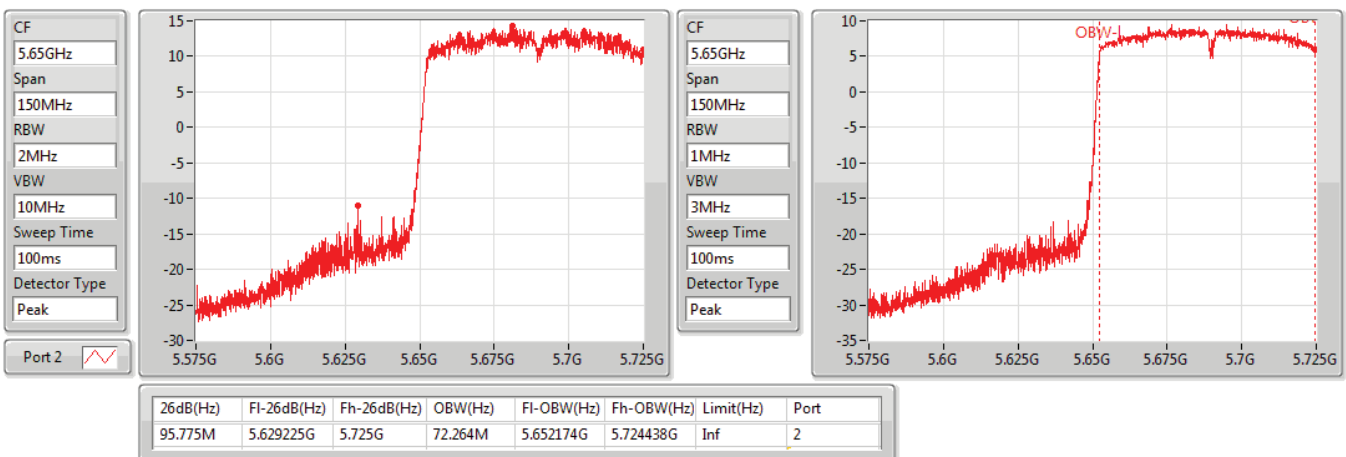


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)
EBW
5610MHz

05/12/2019

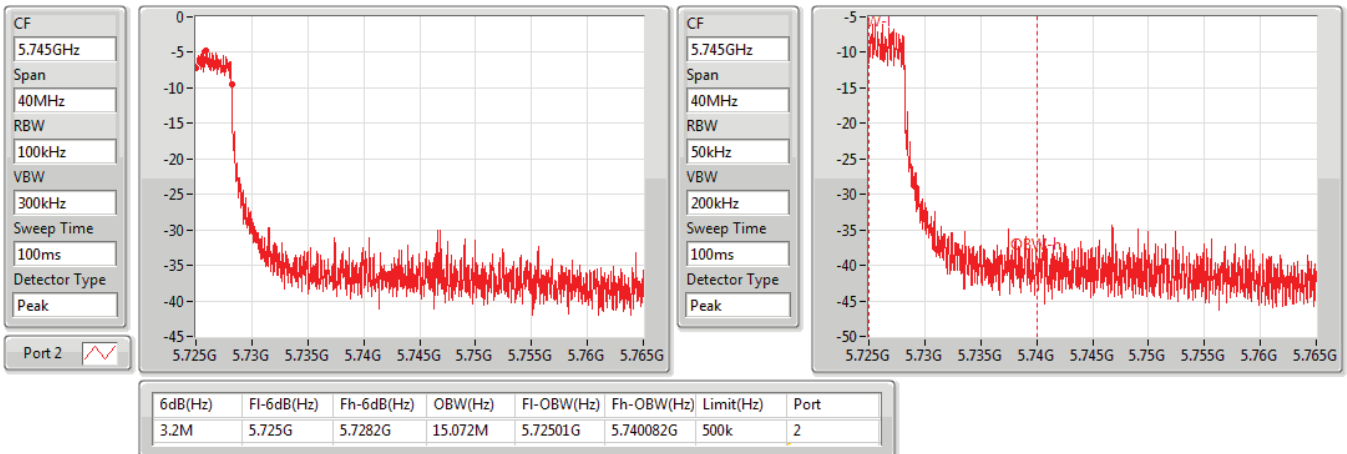

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)
EBW
5690MHz Straddle 5.47-5.725GHz

05/12/2019

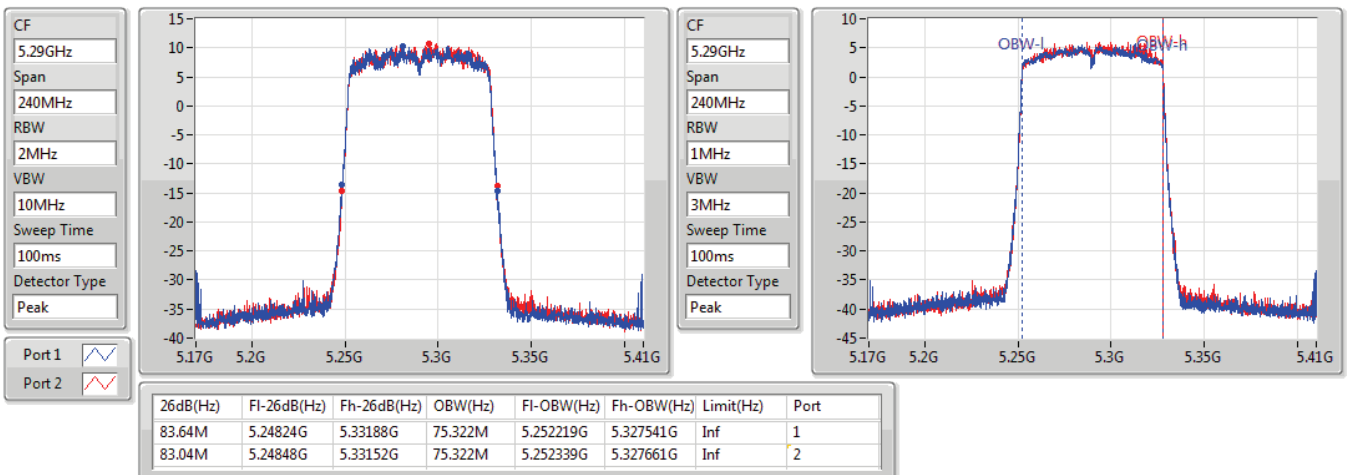


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)
EBW
5690MHz Straddle 5.725-5.85GHz

05/12/2019

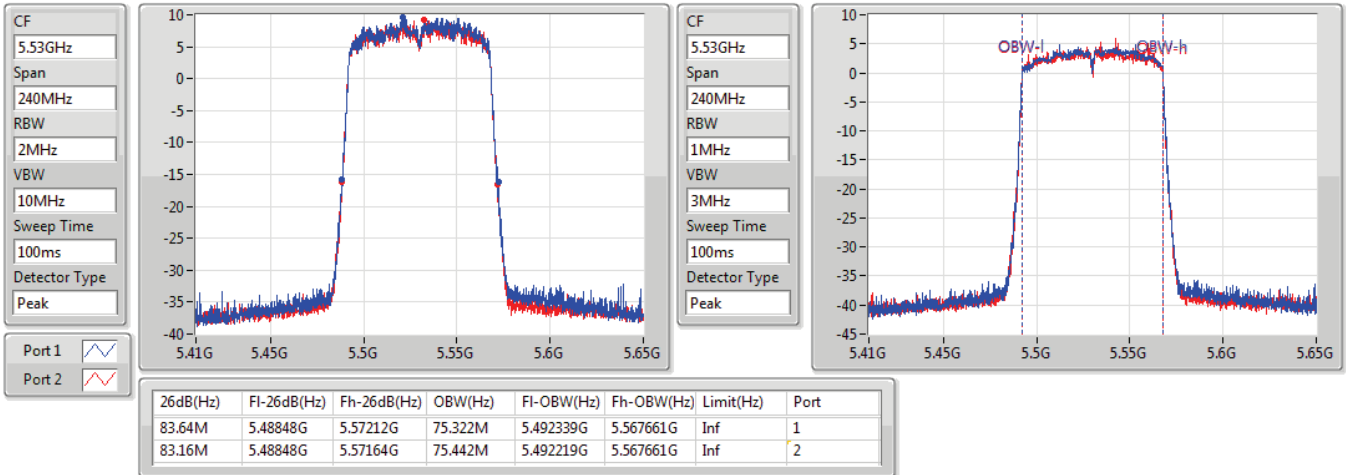

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

05/12/2019

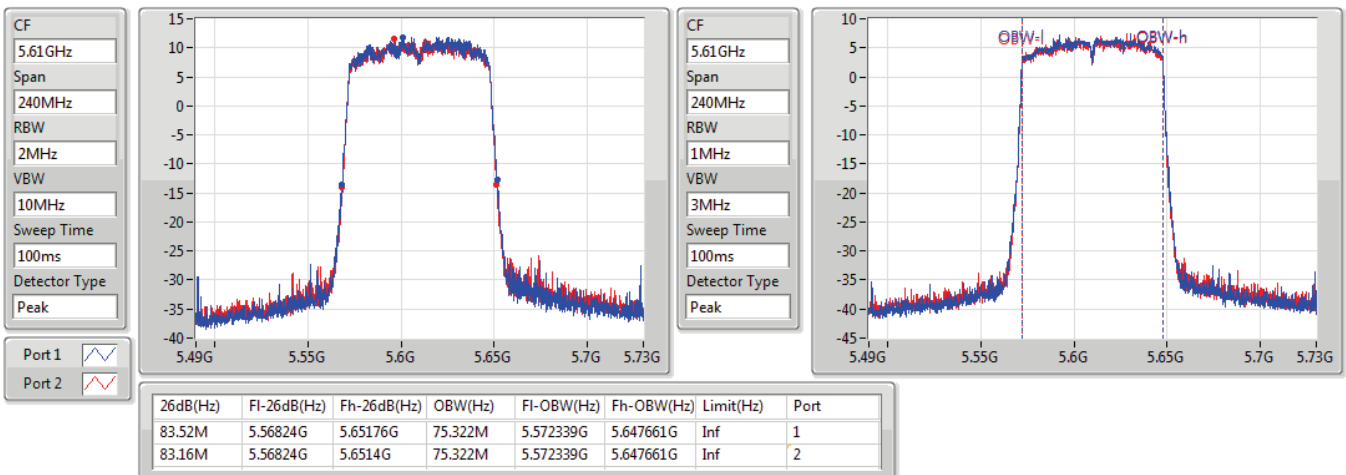


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

05/12/2019

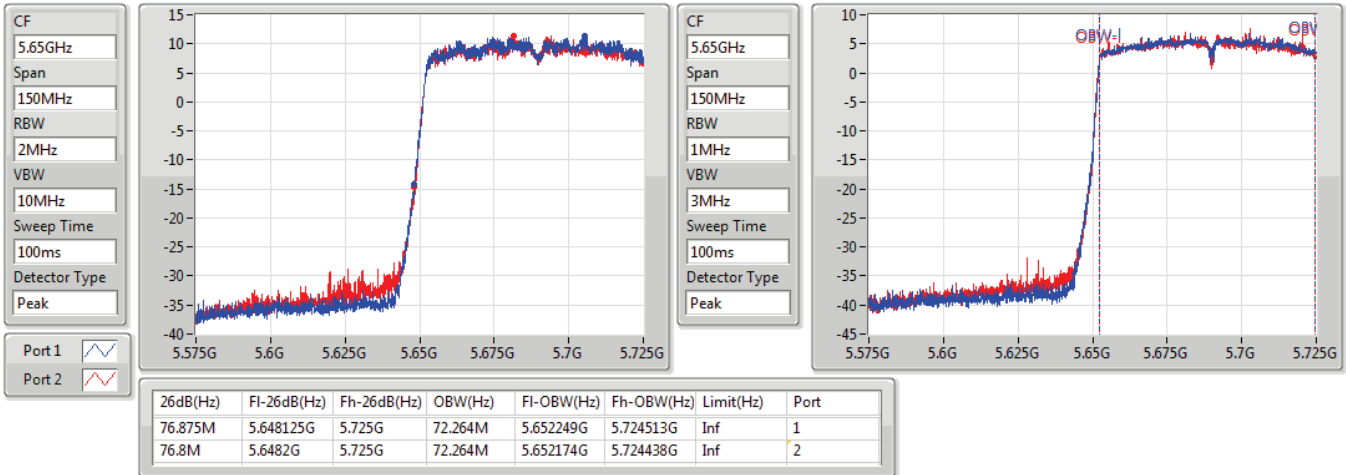

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

05/12/2019

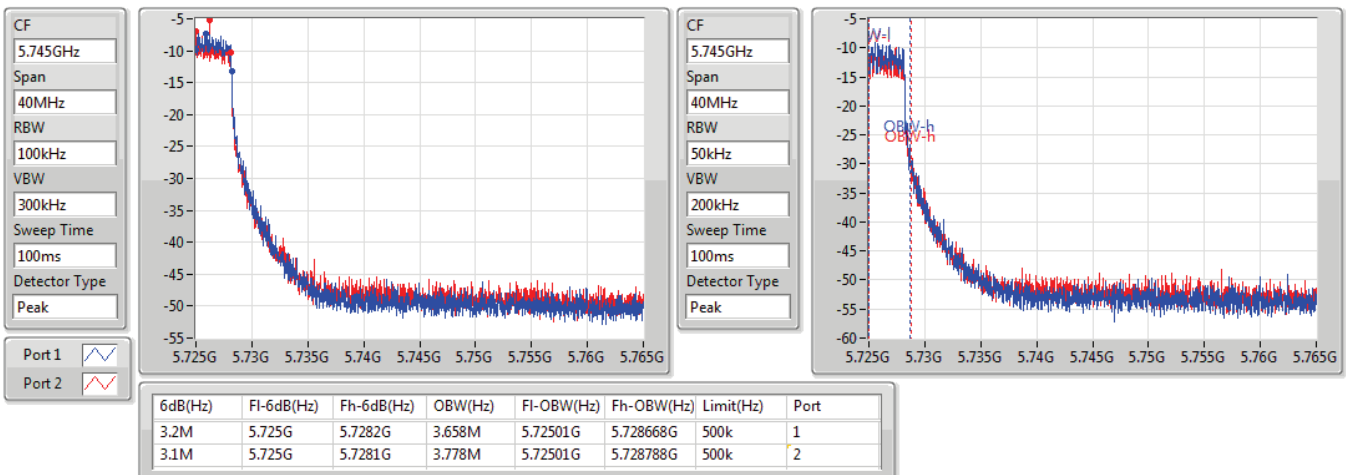


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

05/12/2019

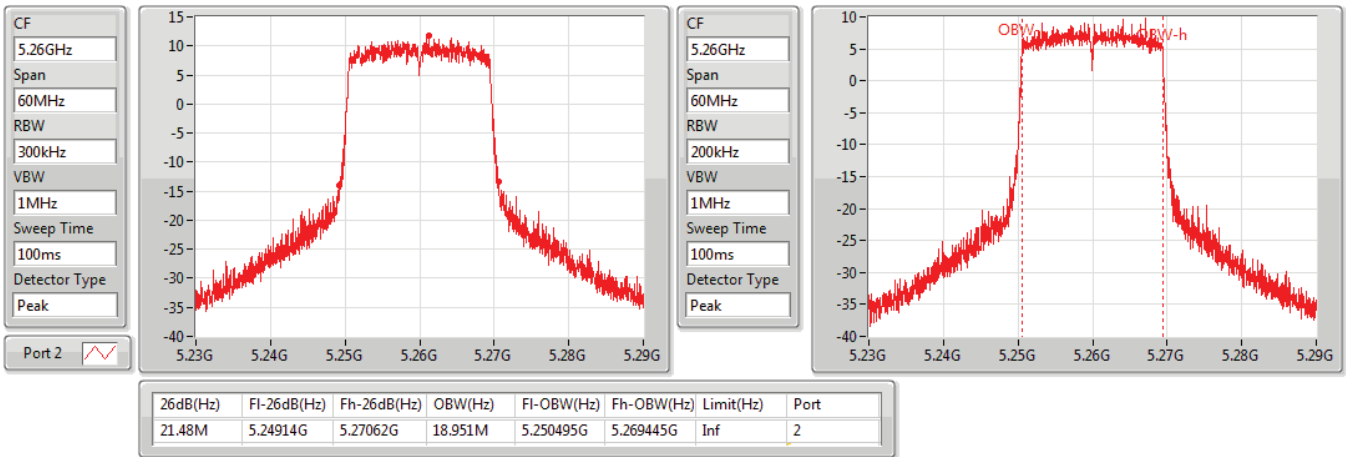

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

05/12/2019

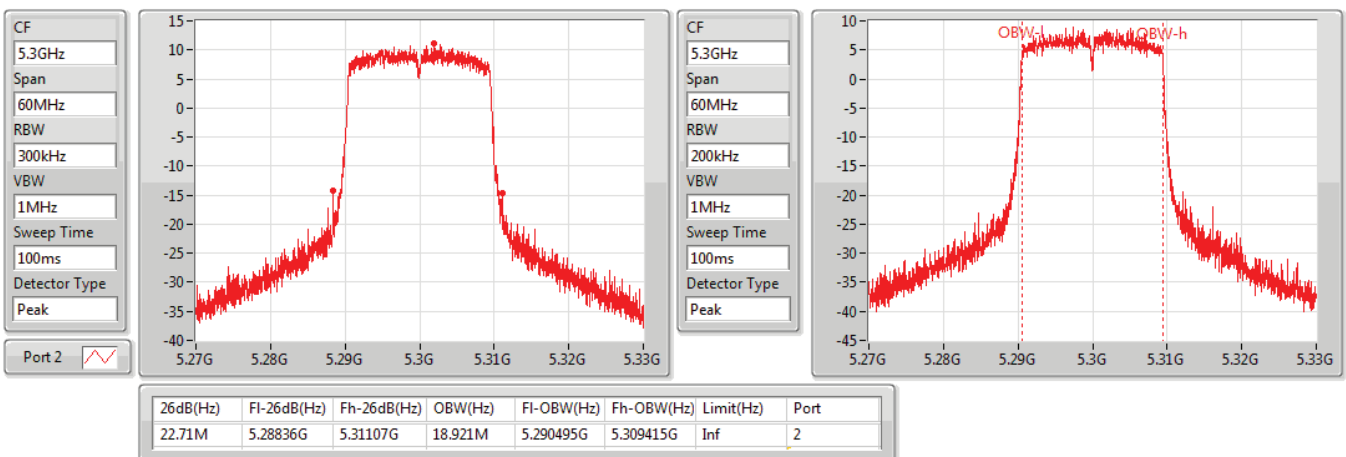


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5260MHz

05/12/2019

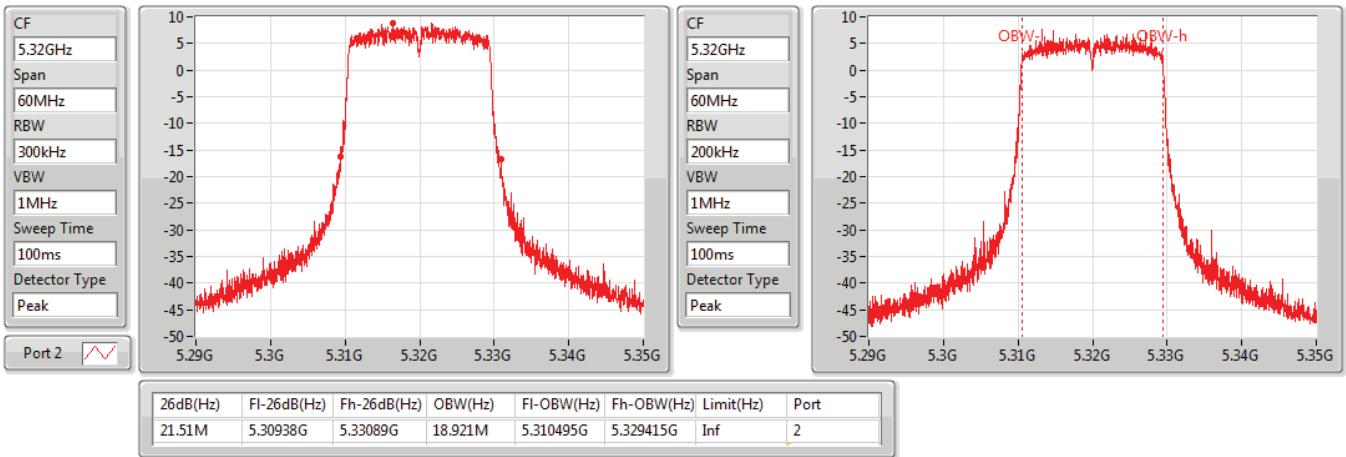

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5300MHz

05/12/2019

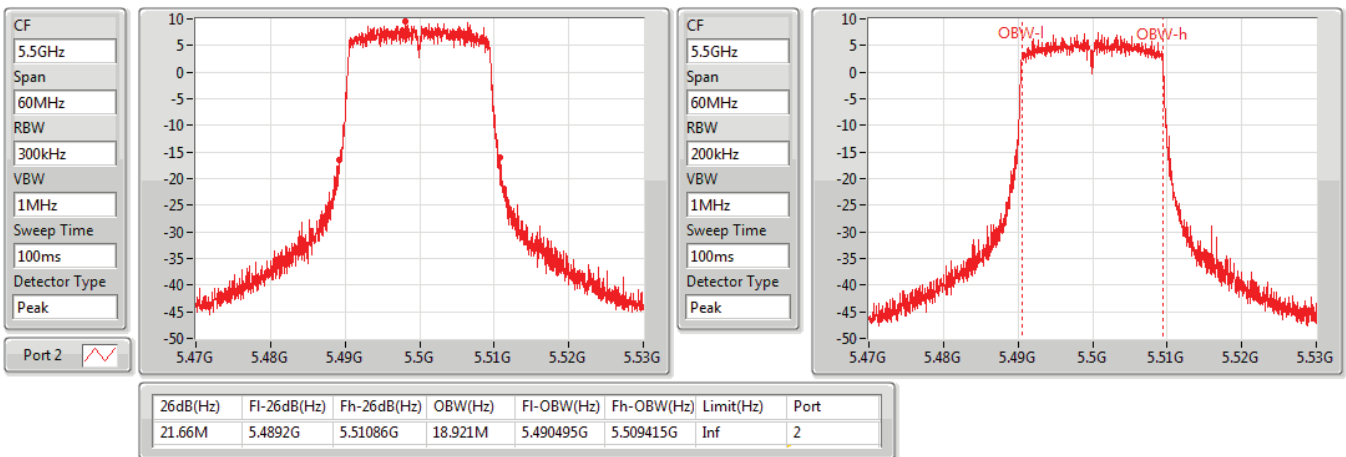


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5320MHz

05/12/2019

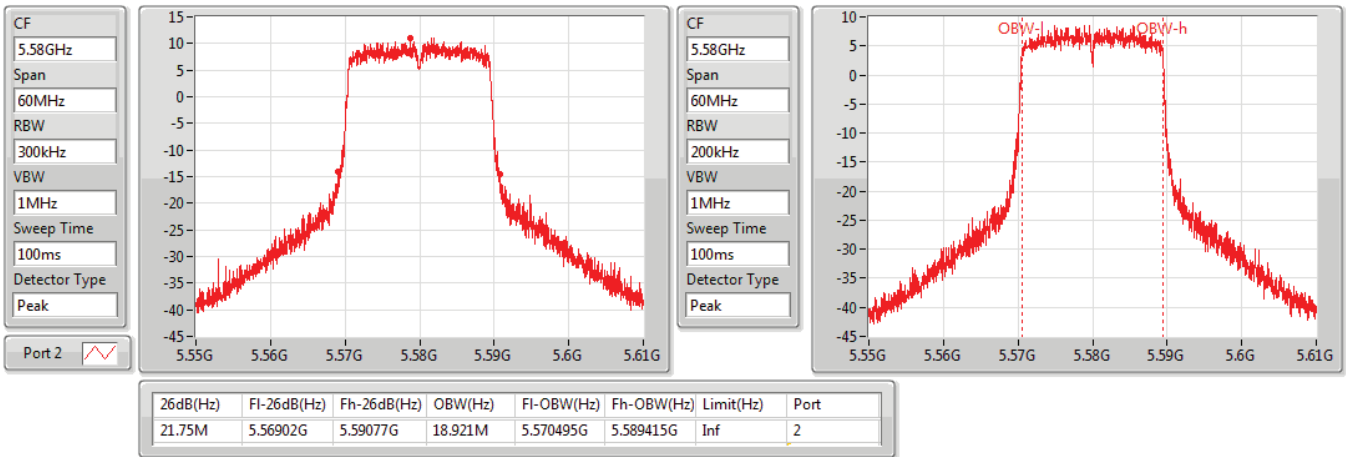

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5500MHz

05/12/2019

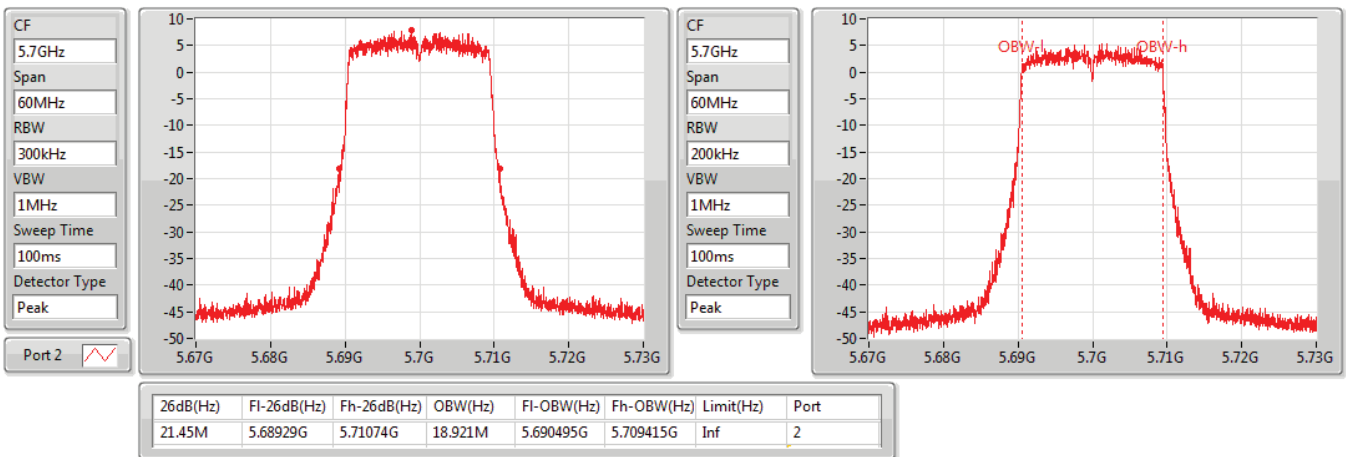


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5580MHz

05/12/2019

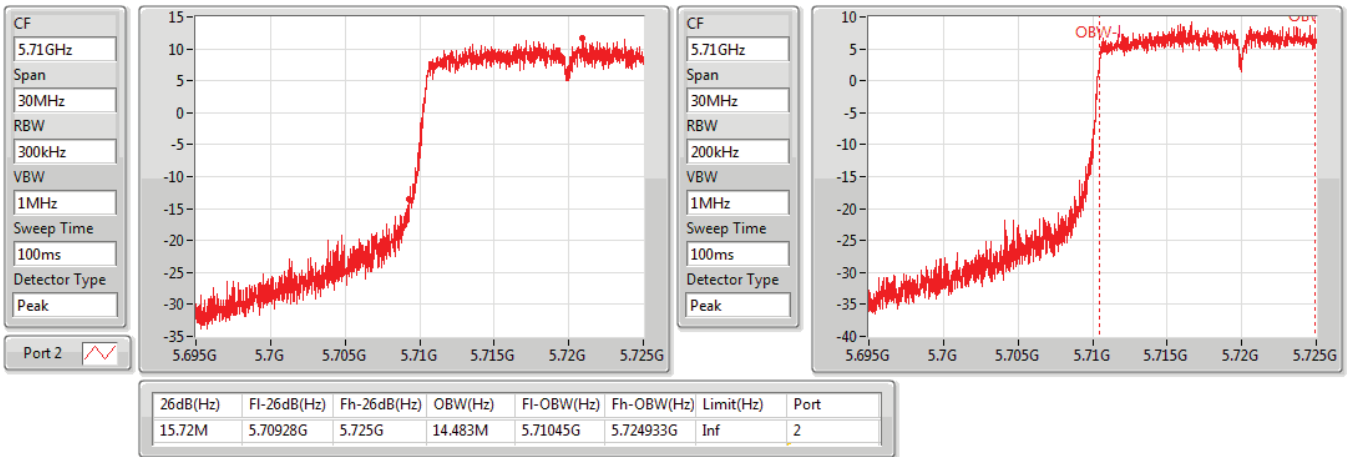

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5700MHz

05/12/2019

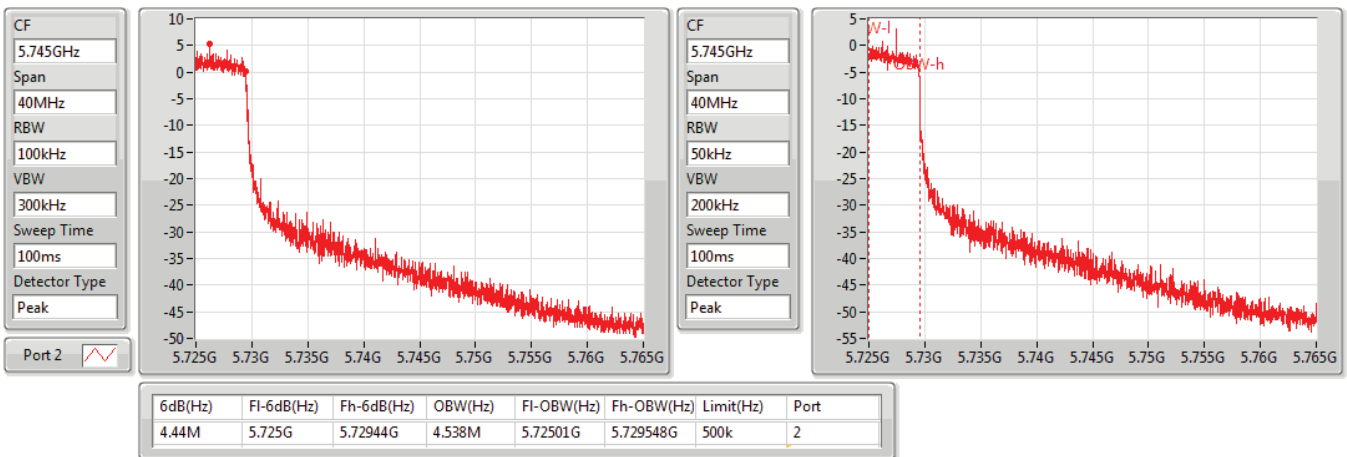


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5720MHz Straddle 5.47-5.725GHz

05/12/2019

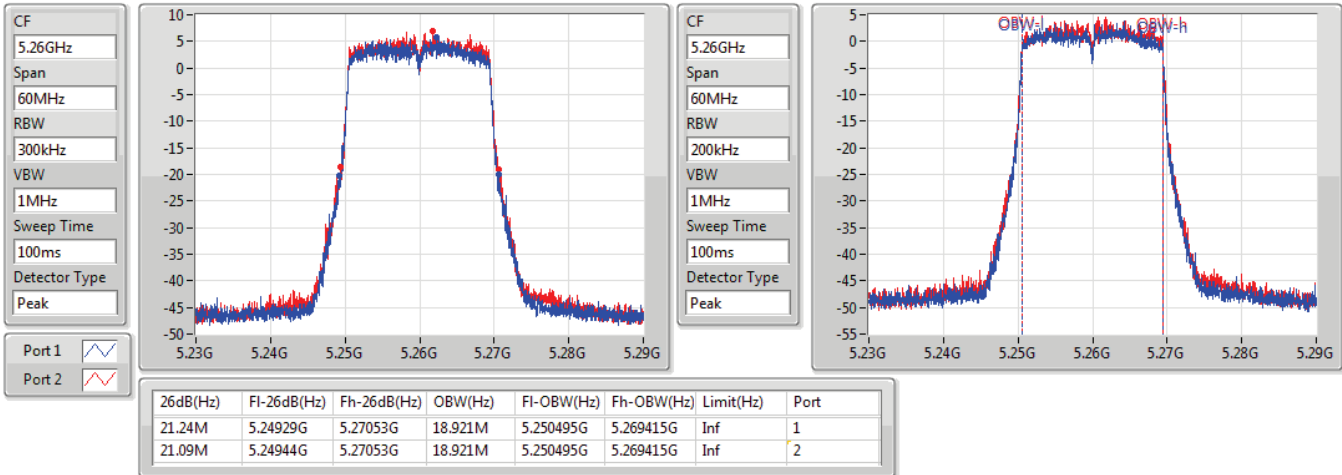

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

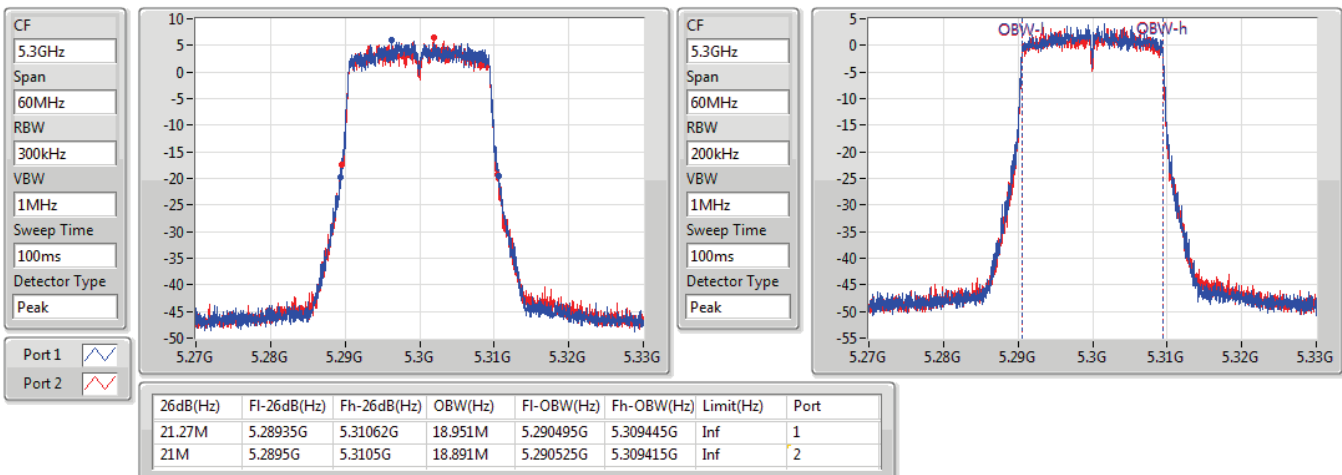


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

05/12/2019

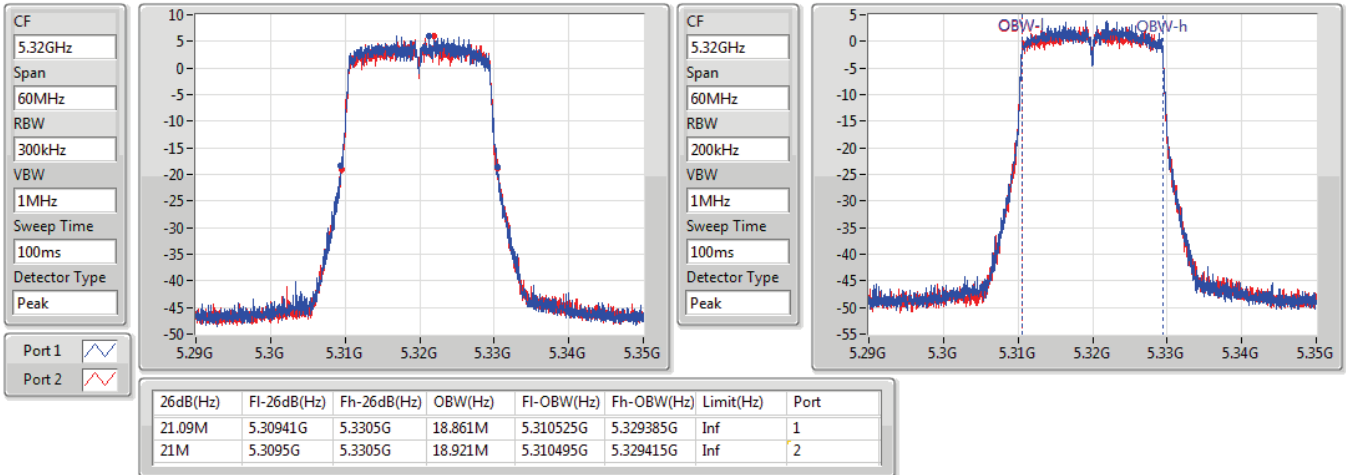

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

05/12/2019

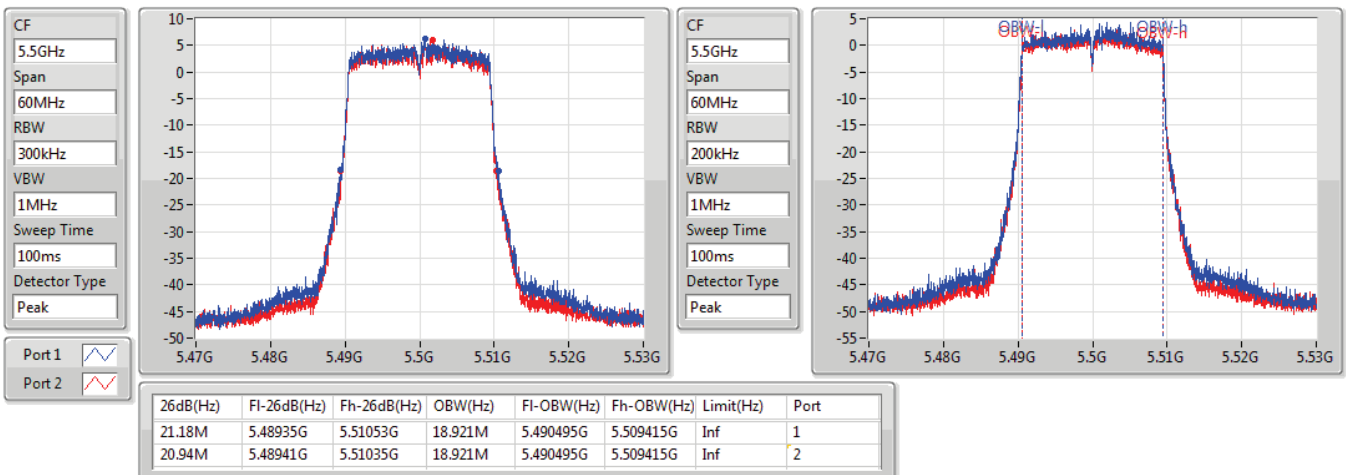


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

05/12/2019

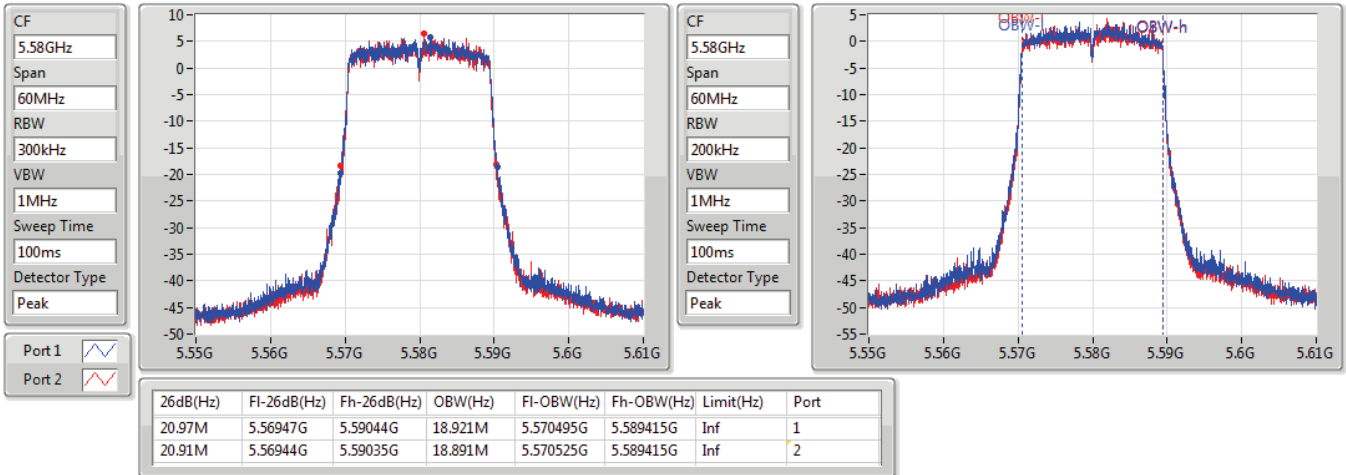

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

05/12/2019

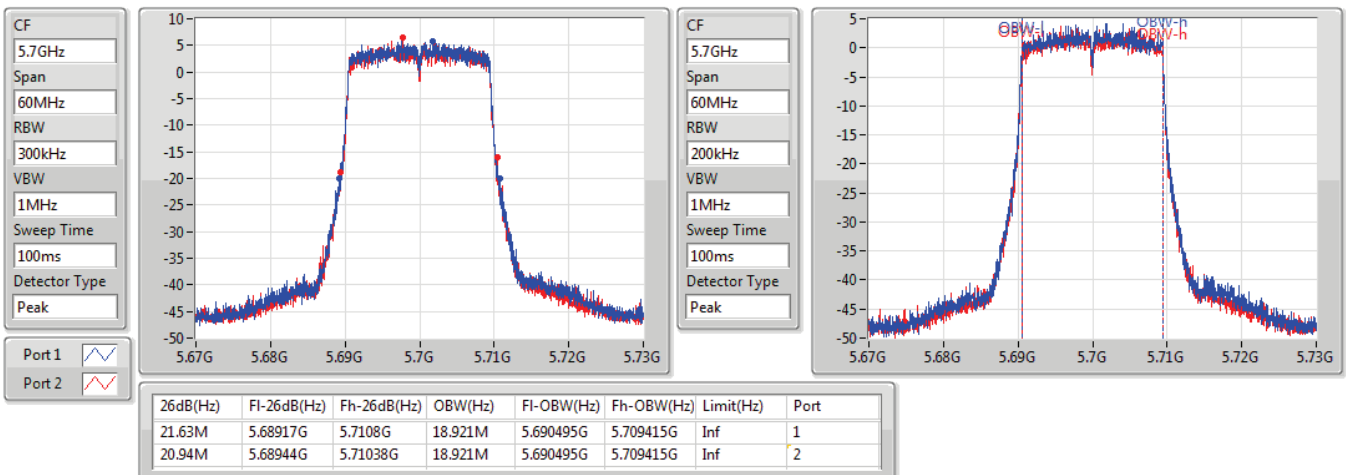


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

05/12/2019

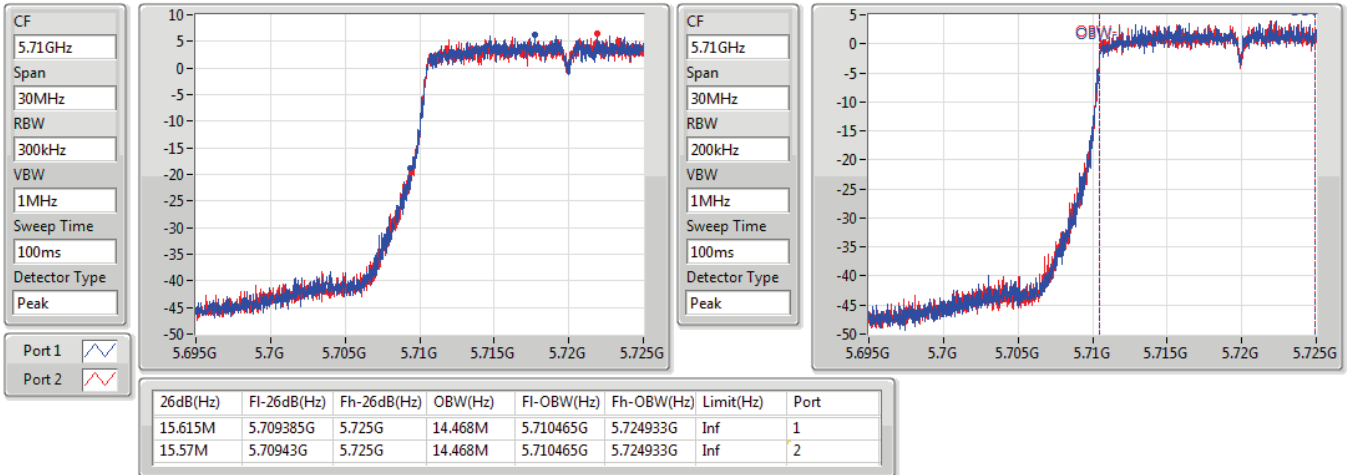

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

05/12/2019

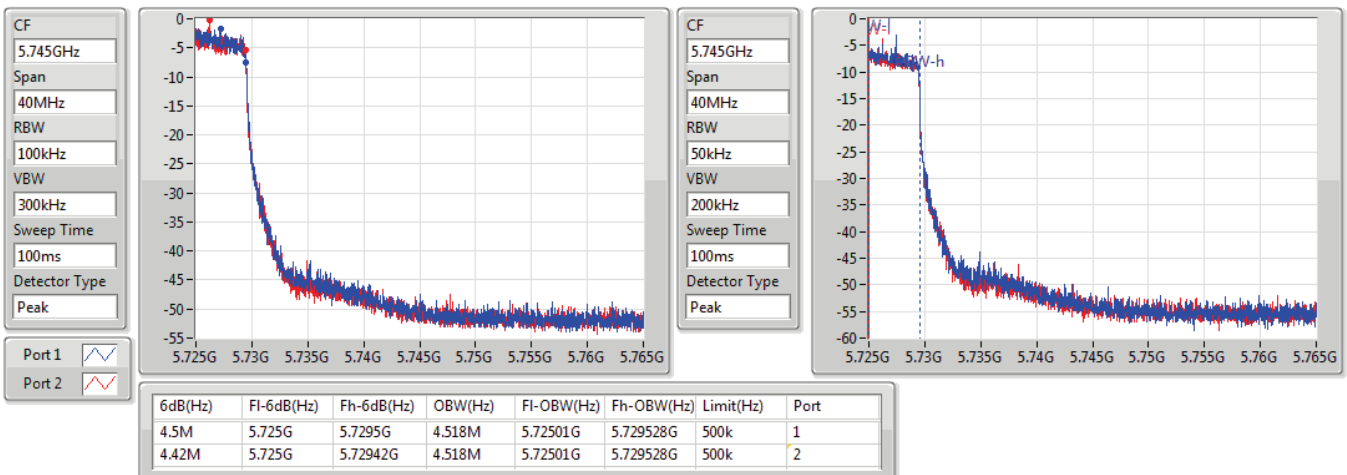


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/12/2019

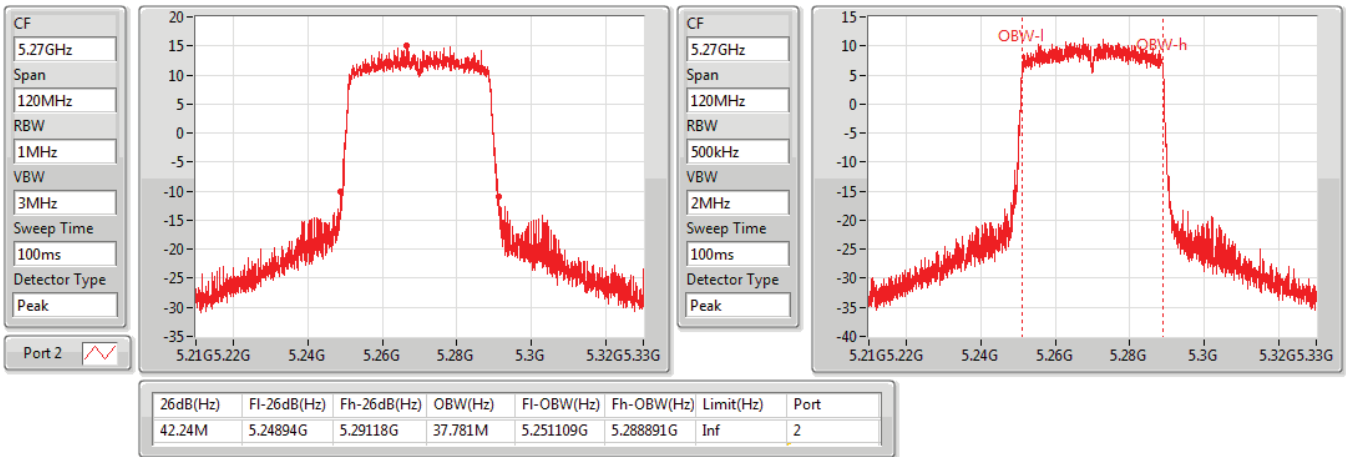

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

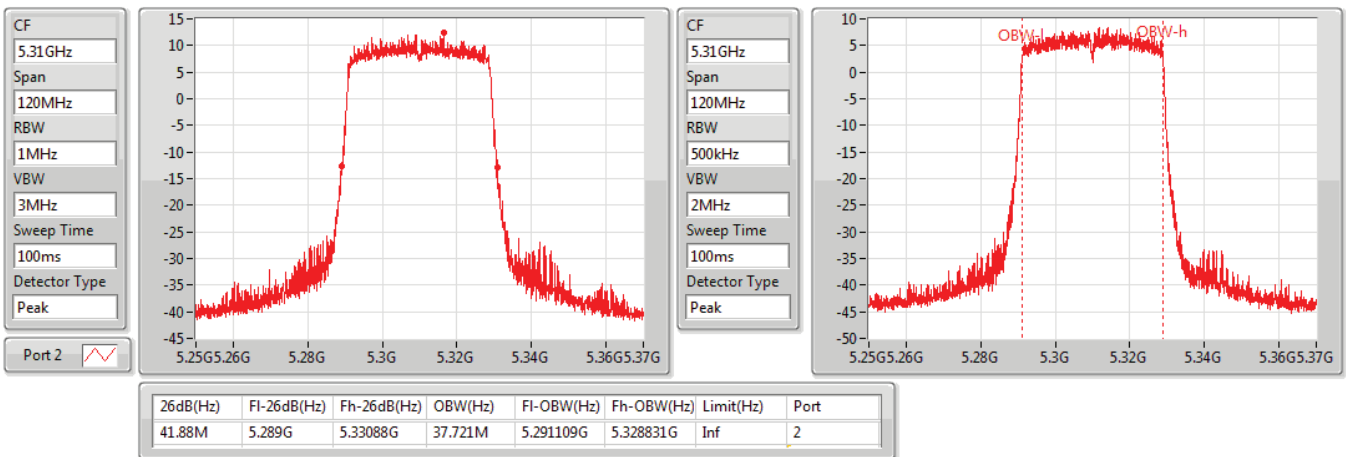


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5270MHz

05/12/2019

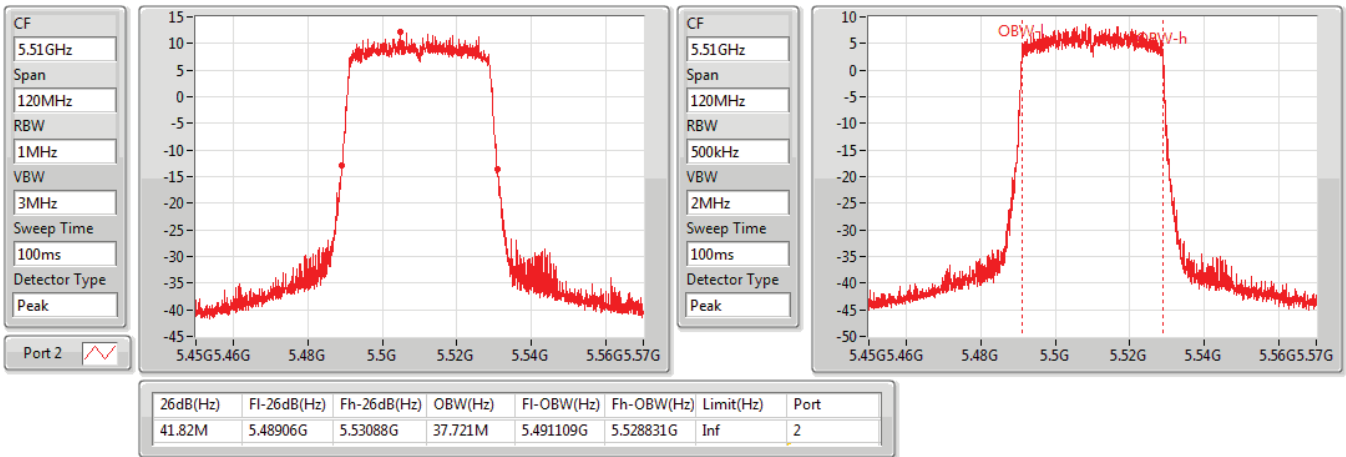

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5310MHz

05/12/2019

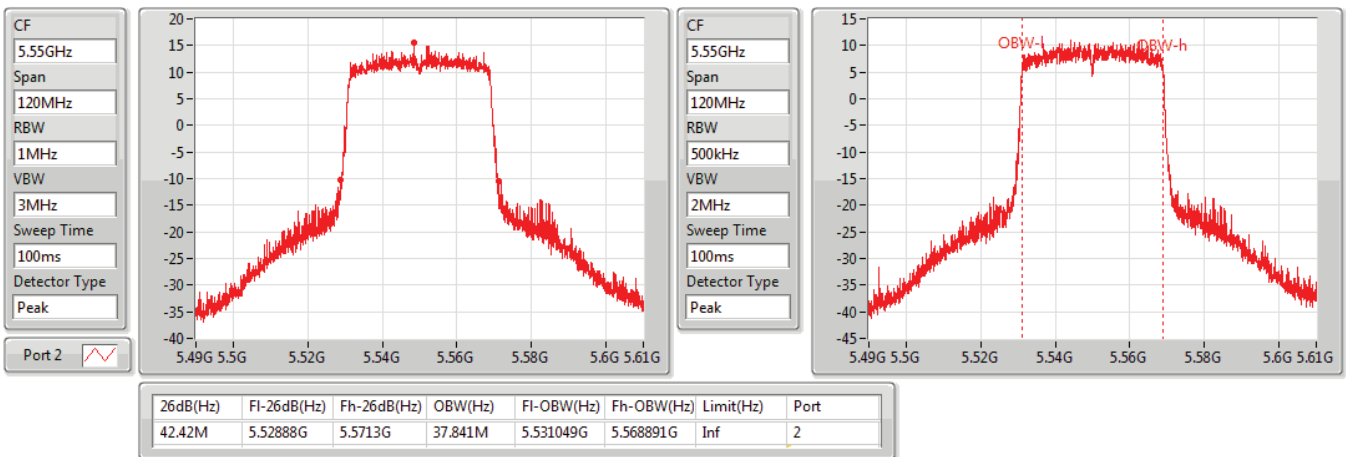


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5510MHz

05/12/2019

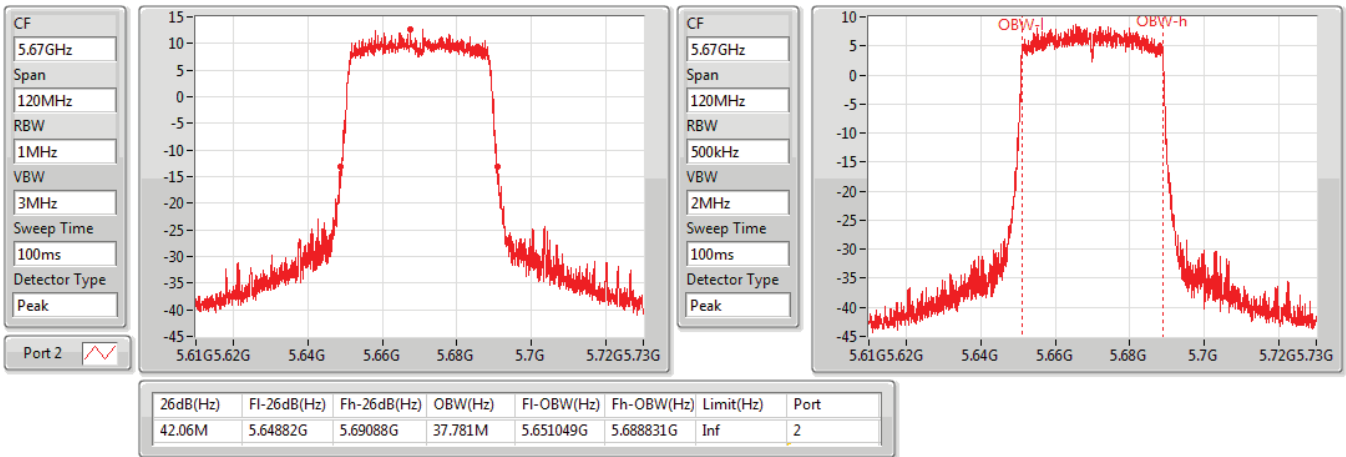

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5550MHz

05/12/2019

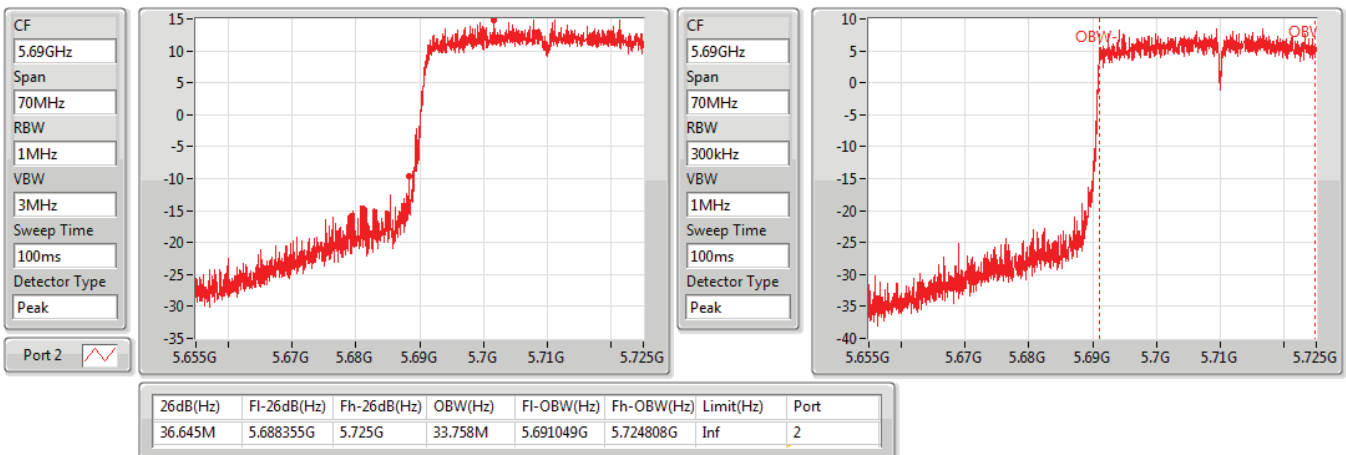


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5670MHz

05/12/2019

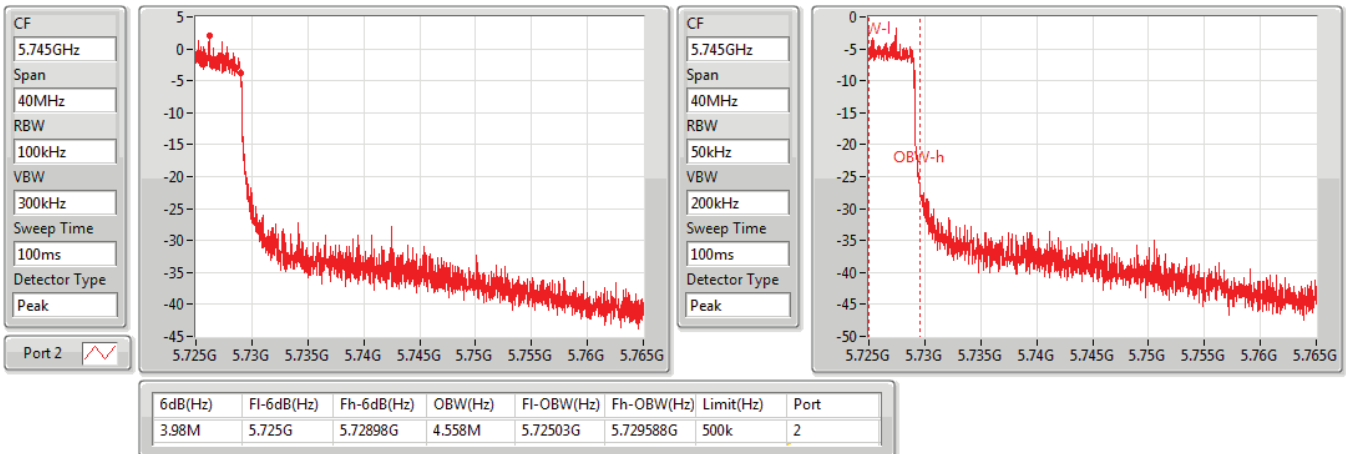

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5710MHz Straddle 5.47-5.725GHz

05/12/2019

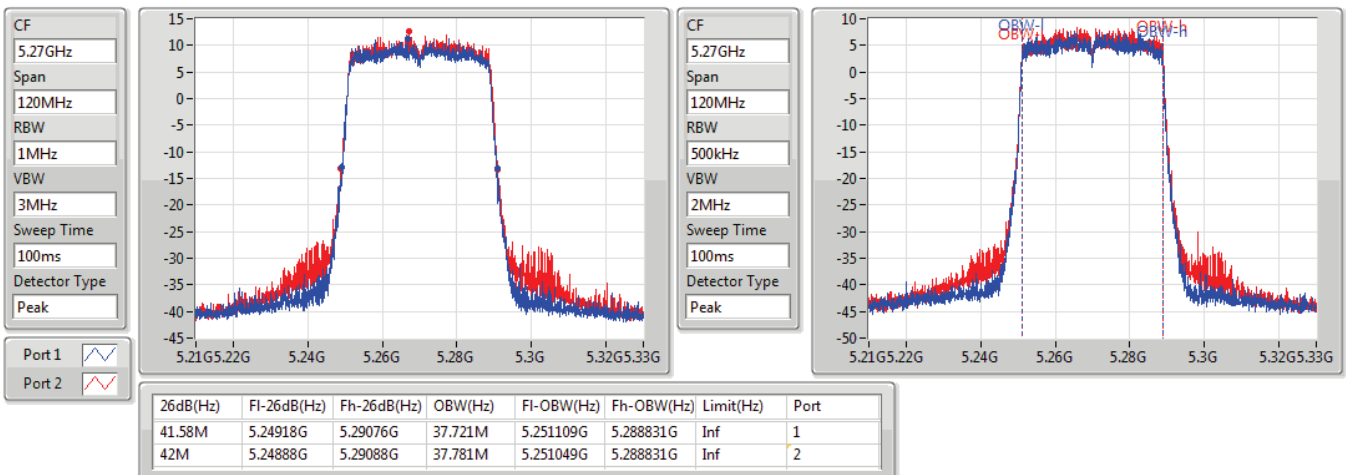


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)
EBW
5710MHz Straddle 5.725-5.85GHz

05/12/2019

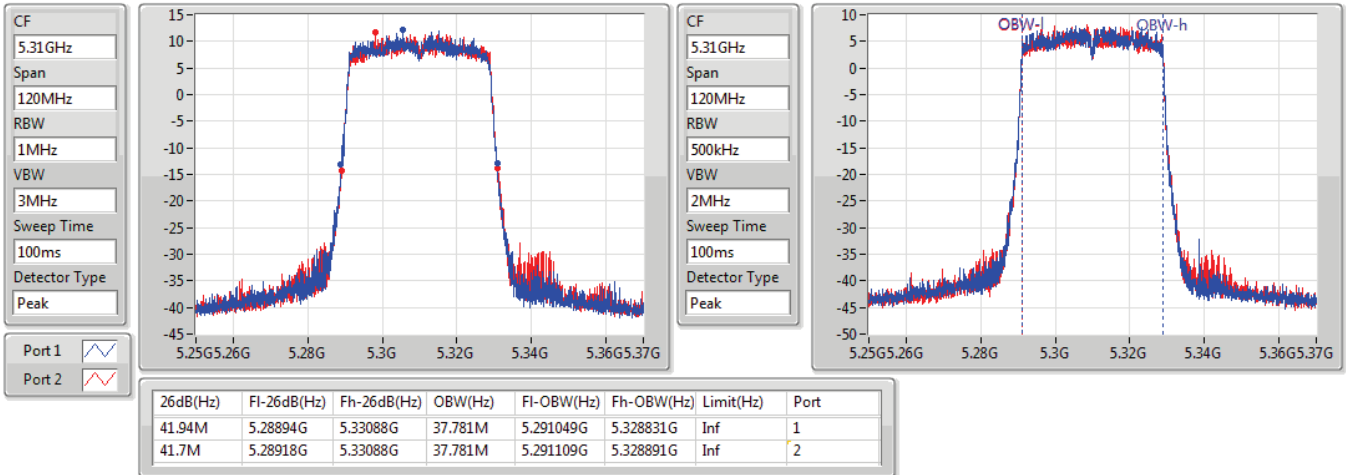

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

05/12/2019

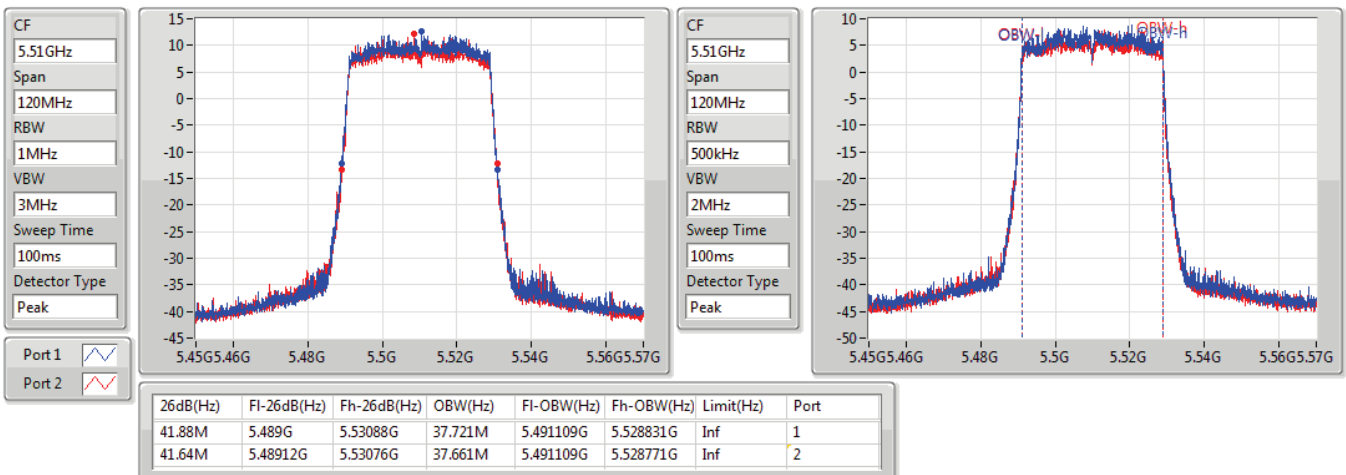


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

05/12/2019

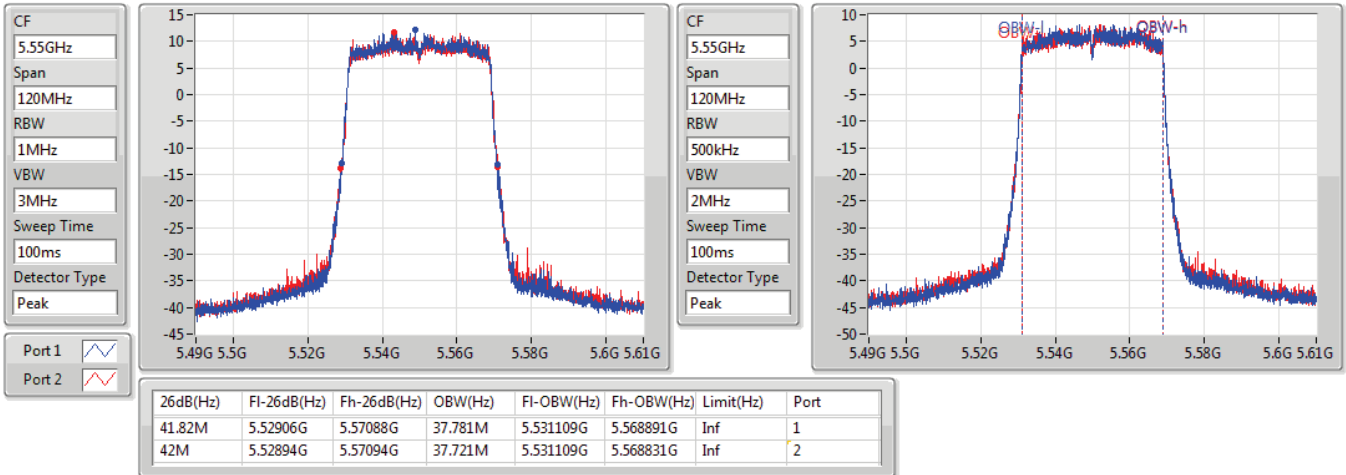

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

05/12/2019

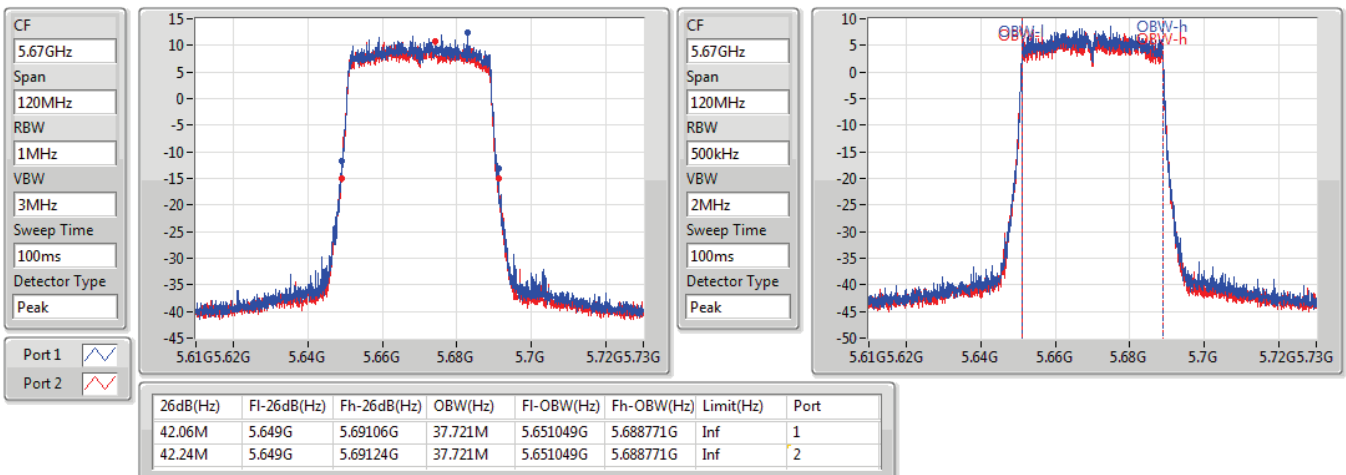


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

05/12/2019

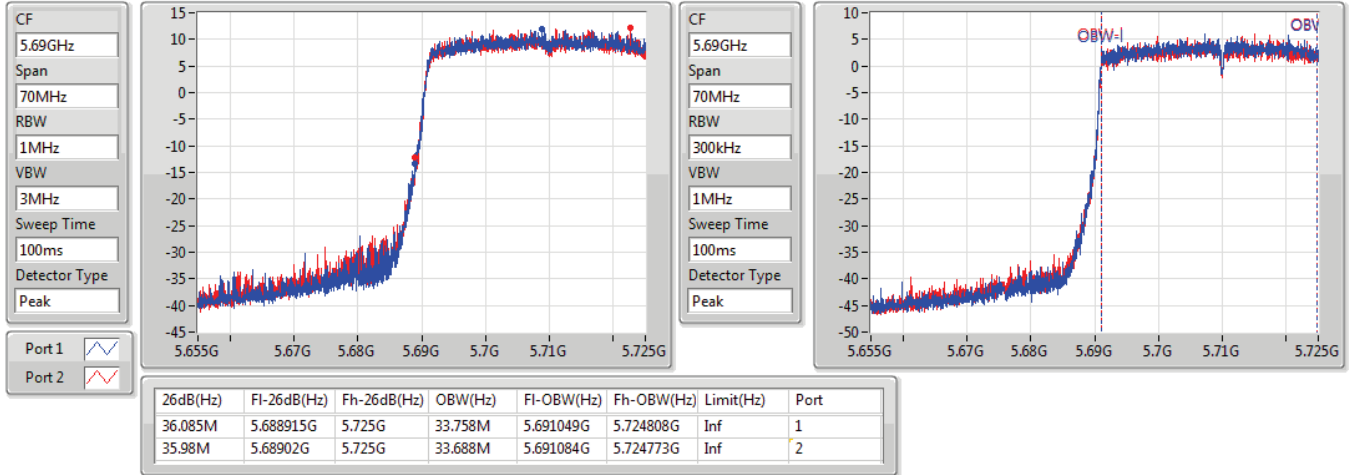

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

05/12/2019

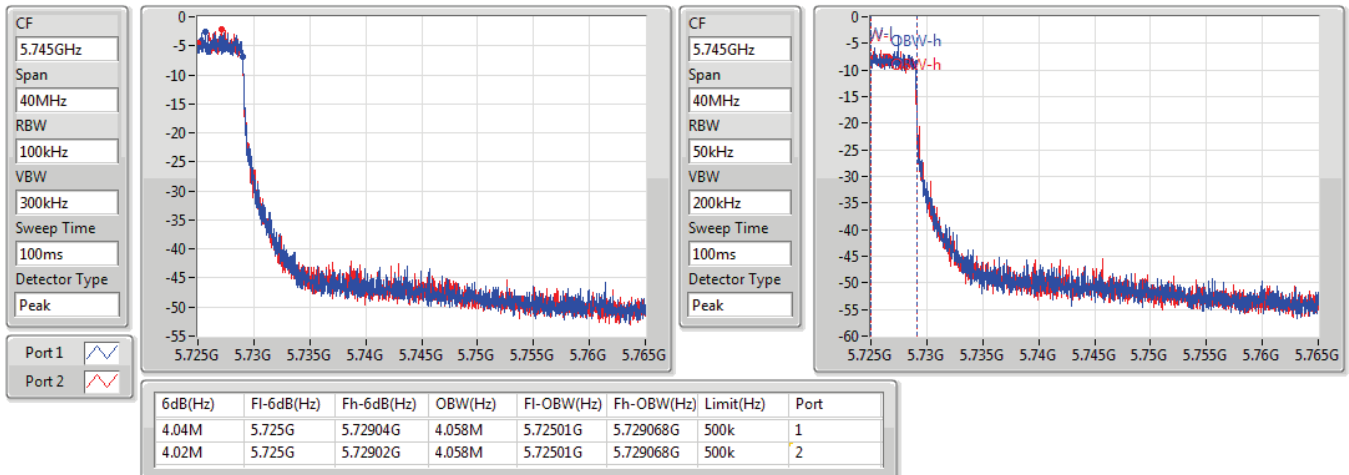


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

05/12/2019

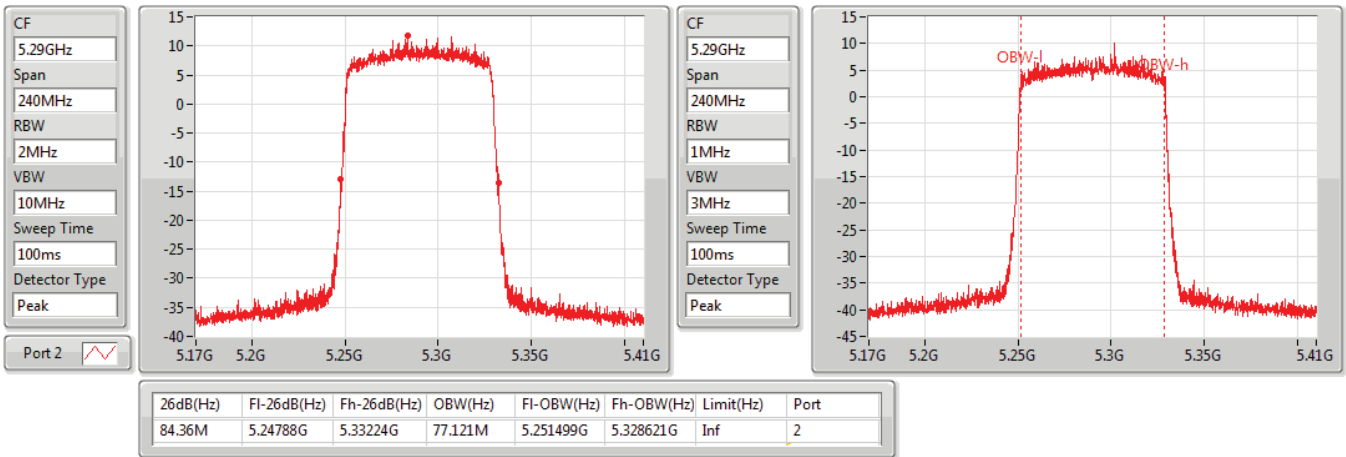

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/12/2019

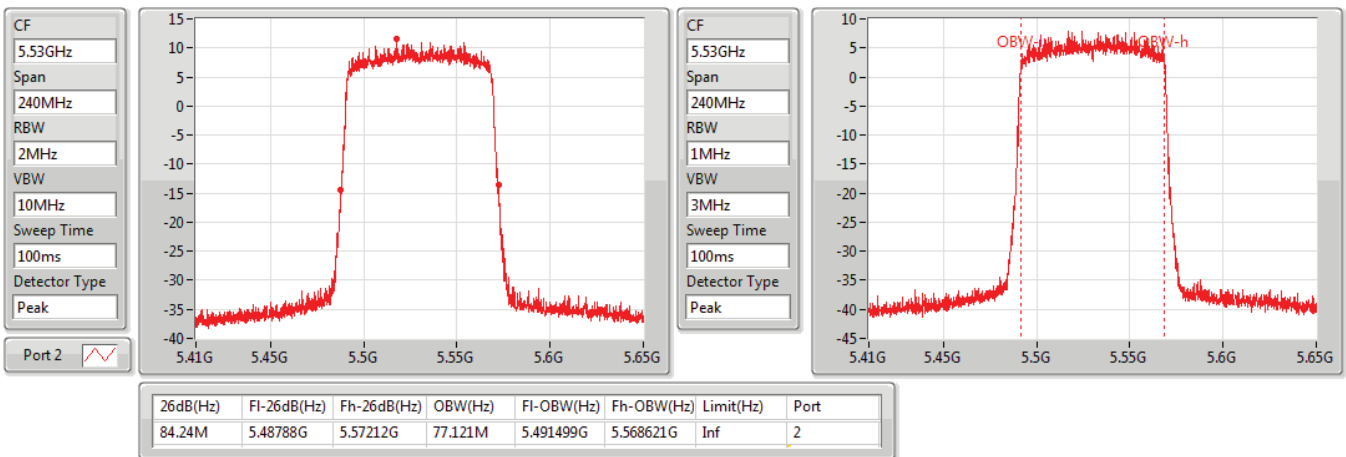


802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)
EBW
5290MHz

05/12/2019

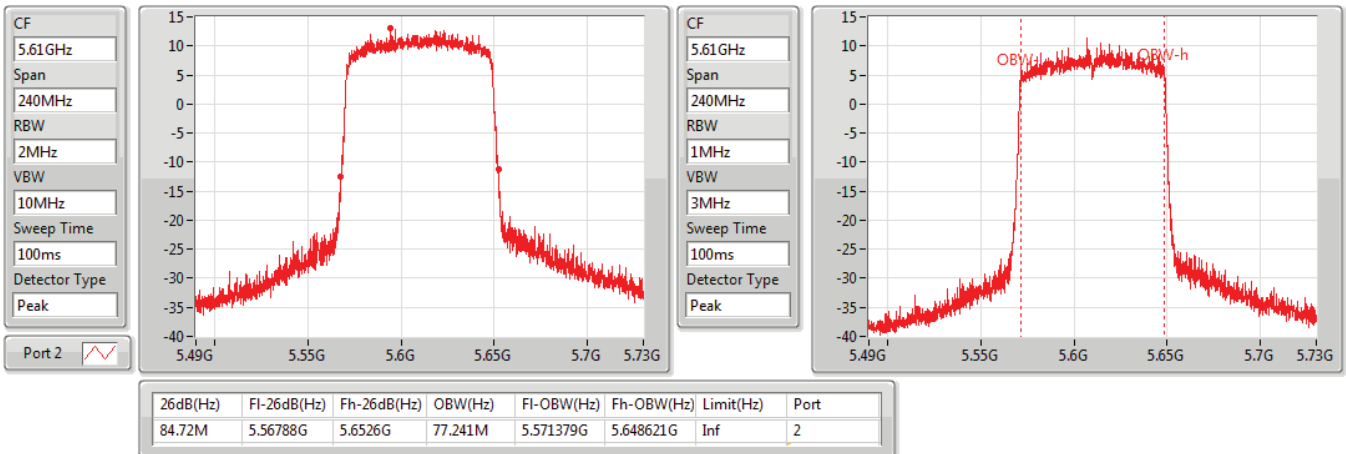

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)
EBW
5530MHz

05/12/2019

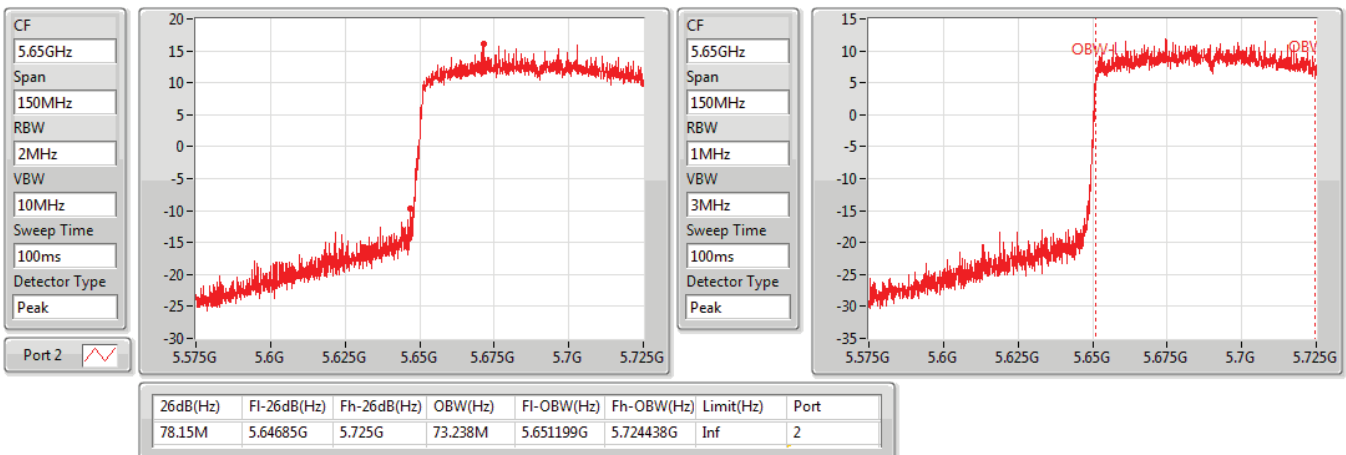


802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)
EBW
5610MHz

05/12/2019

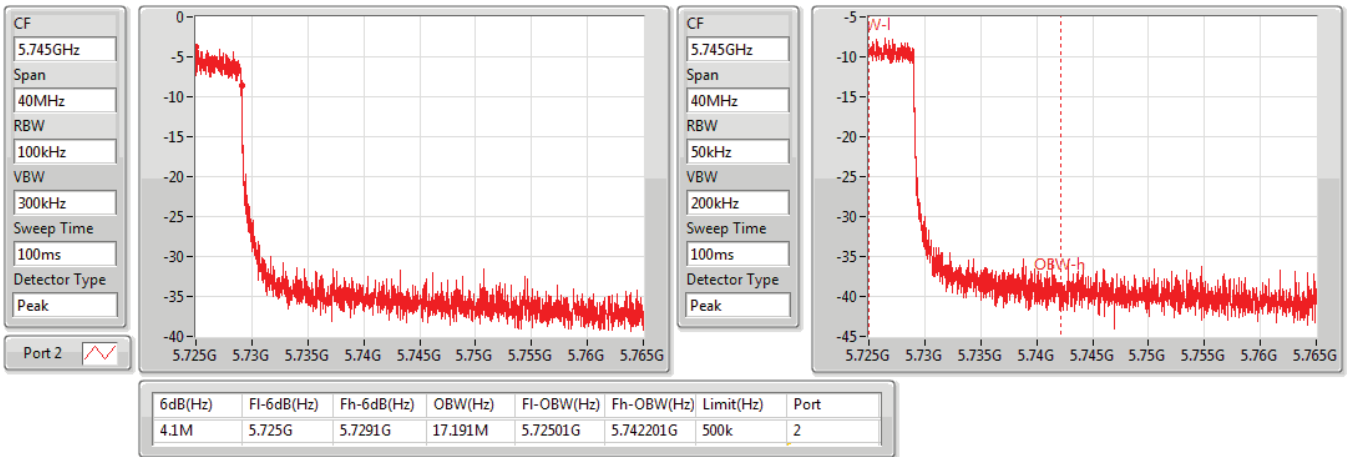

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)
EBW
5690MHz Straddle 5.47-5.725GHz

05/12/2019

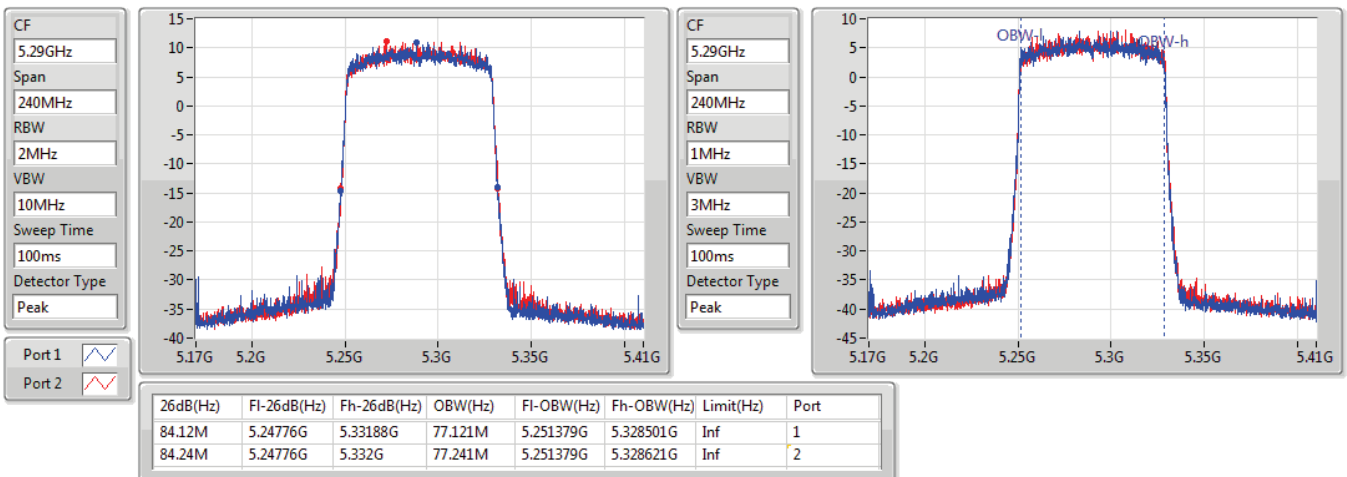


802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)
EBW
5690MHz Straddle 5.725-5.85GHz

05/12/2019

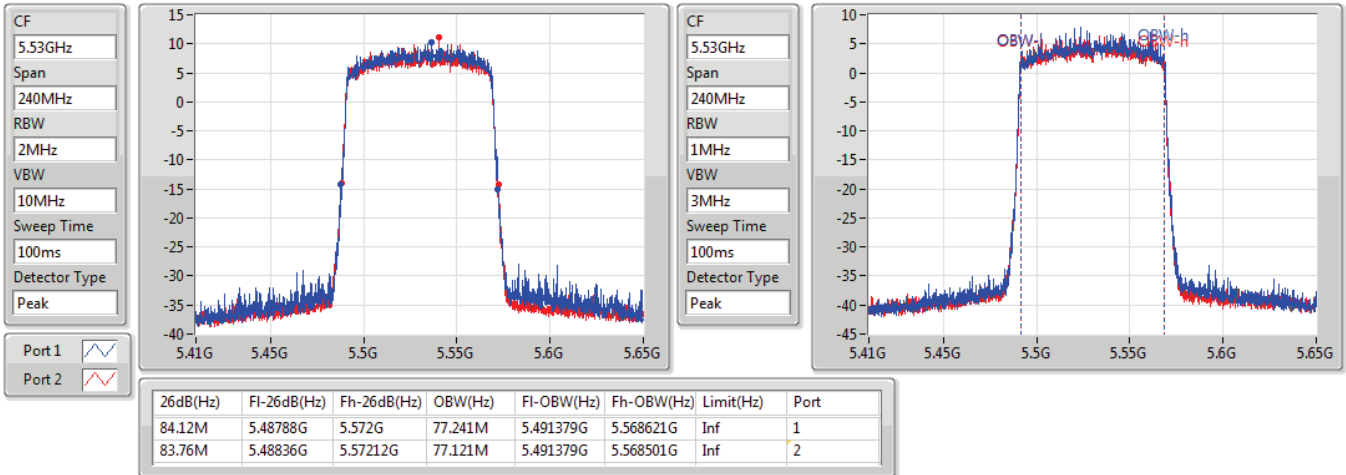

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

05/12/2019

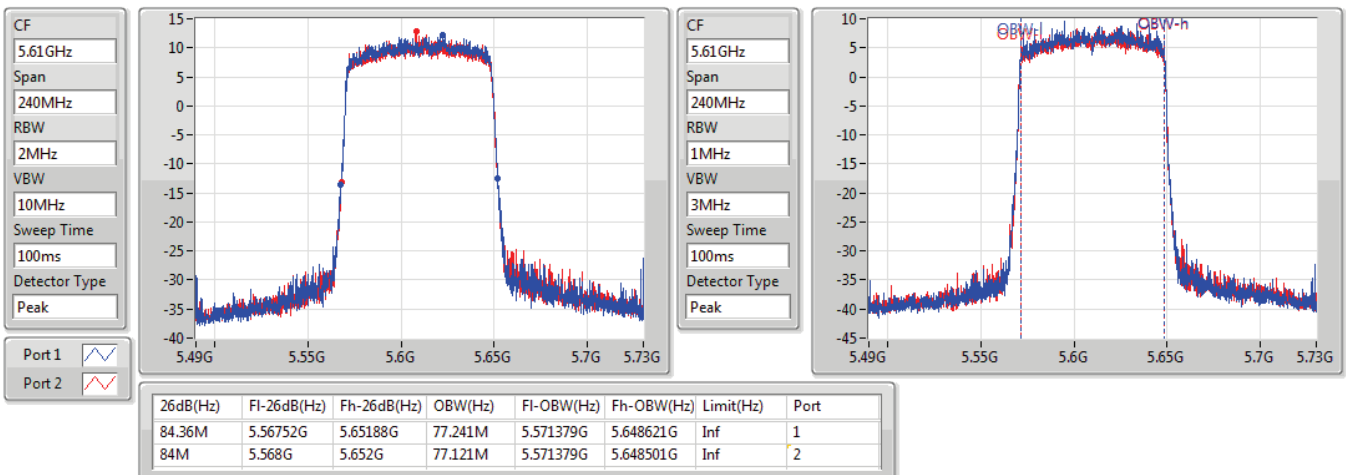


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

05/12/2019

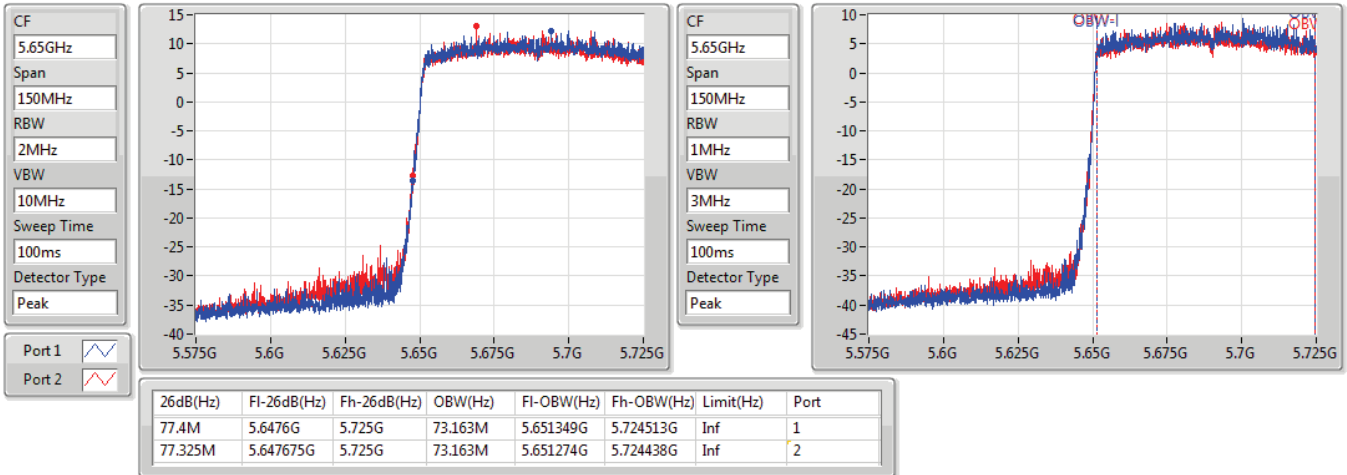

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

05/12/2019

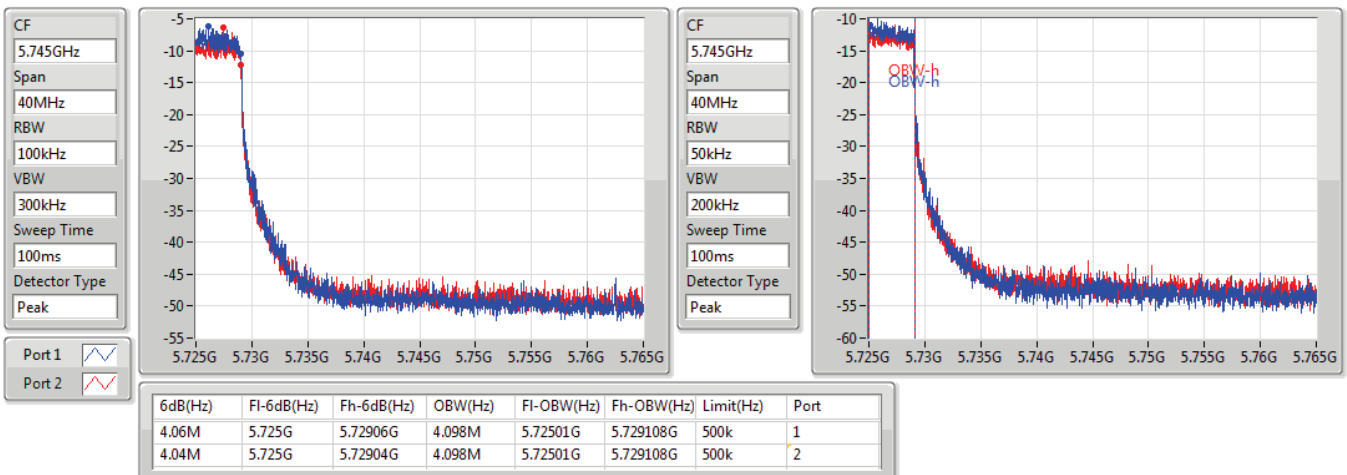


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

05/12/2019


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

05/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	33.93M	19.58M	19M6D1D	31.62M	18.831M
802.11ac VHT20_Nss1,(MCS0)_1TX	31.17M	19.64M	19M6D1D	30.45M	19.43M
802.11ac VHT40_Nss1,(MCS0)_1TX	72.78M	38.861M	38M9D1D	57.66M	37.301M
802.11ac VHT80_Nss1,(MCS0)_1TX	105.48M	76.642M	76M6D1D	105.48M	76.642M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	31.26M	18.591M	18M6D1D	17.203M	13.783M
802.11ac VHT20_Nss1,(MCS0)_1TX	30.15M	19.07M	19M1D1D	18.2M	14.43M
802.11ac VHT40_Nss1,(MCS0)_1TX	69.9M	38.501M	38M5D1D	44.738M	33.846M
802.11ac VHT80_Nss1,(MCS0)_1TX	119.52M	77.601M	77M6D1D	93.465M	73.743M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	2.88M	5.712M	5M71D1D	2.88M	5.712M
802.11ac VHT20_Nss1,(MCS0)_1TX	3.51M	6.237M	6M24D1D	3.51M	6.237M
802.11ac VHT40_Nss1,(MCS0)_1TX	2.895M	11.784M	11M8D1D	2.895M	11.784M
802.11ac VHT80_Nss1,(MCS0)_1TX	2.97M	22.879M	22M9D1D	2.97M	22.879M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

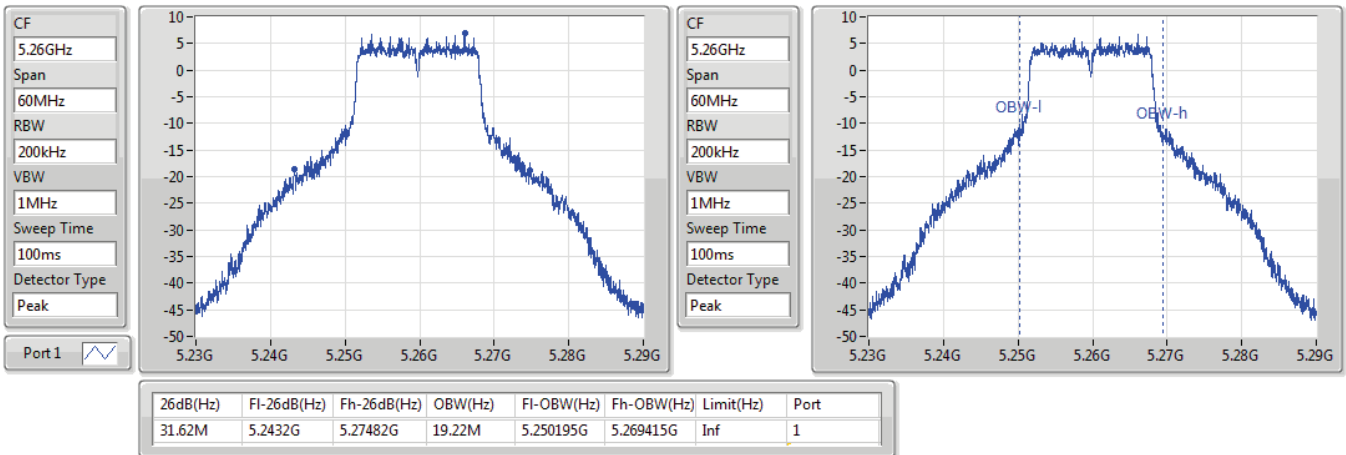
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	31.62M	19.22M
5300MHz	Pass	Inf	31.65M	18.831M
5320MHz	Pass	Inf	33.93M	19.58M
5500MHz	Pass	Inf	31.26M	18.591M
5580MHz	Pass	Inf	28.11M	17.271M
5700MHz	Pass	Inf	24.9M	16.912M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.203M	13.783M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	2.88M	5.712M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	30.45M	19.43M
5300MHz	Pass	Inf	30.99M	19.52M
5320MHz	Pass	Inf	31.17M	19.64M
5500MHz	Pass	Inf	30.15M	19.07M
5580MHz	Pass	Inf	28.29M	18.381M
5700MHz	Pass	Inf	25.71M	18.051M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.2M	14.43M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.51M	6.237M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	72.78M	38.861M
5310MHz	Pass	Inf	57.66M	37.301M
5510MHz	Pass	Inf	56.7M	37.121M
5550MHz	Pass	Inf	69.9M	38.501M
5670MHz	Pass	Inf	64.56M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	44.738M	33.846M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.895M	11.784M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	105.48M	76.642M
5530MHz	Pass	Inf	99.48M	76.402M
5610MHz	Pass	Inf	119.52M	77.601M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	93.465M	73.743M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.97M	22.879M

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

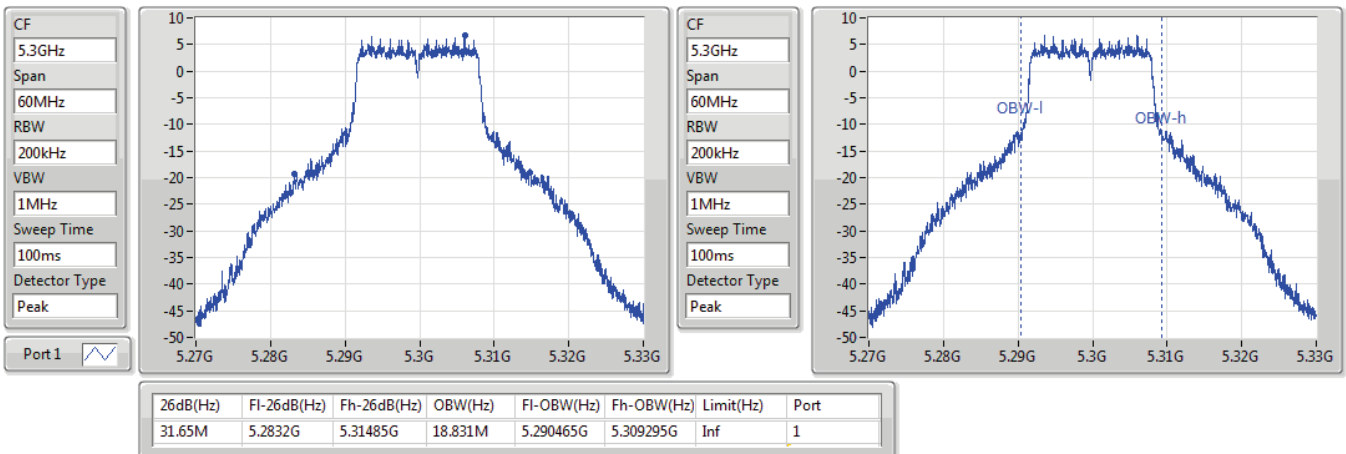
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX
EBW
5260MHz

05/12/2019

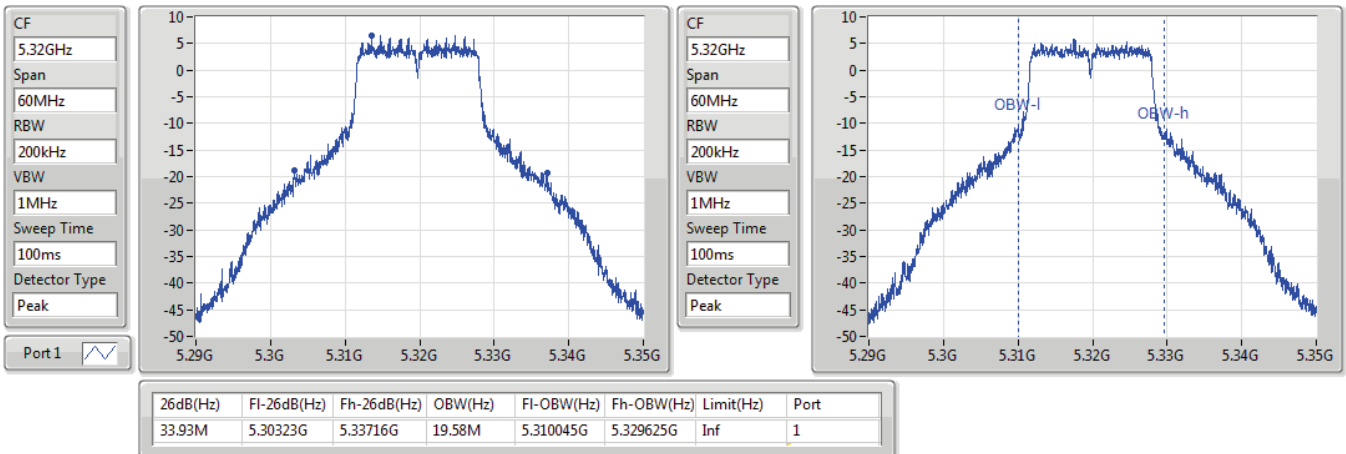

802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

05/12/2019

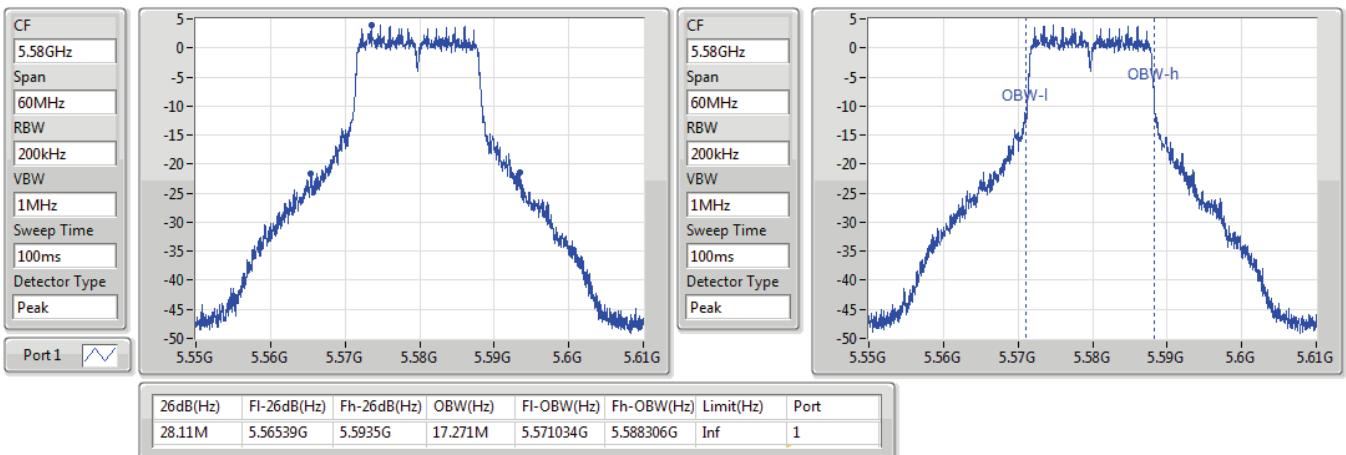


802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

05/12/2019

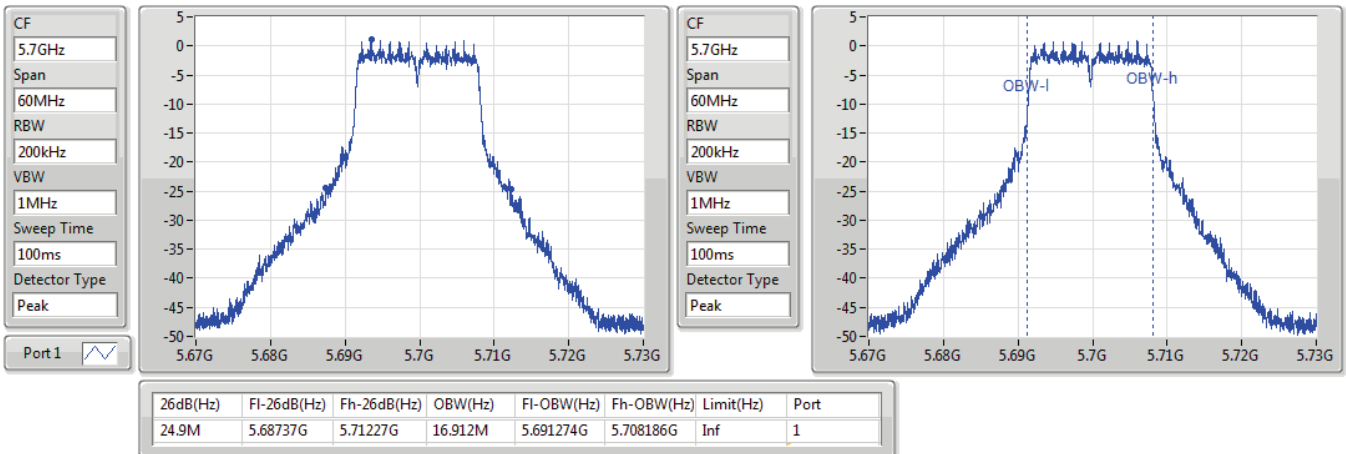

802.11a_Nss1,(6Mbps)_1TX
EBW
5580MHz

05/12/2019

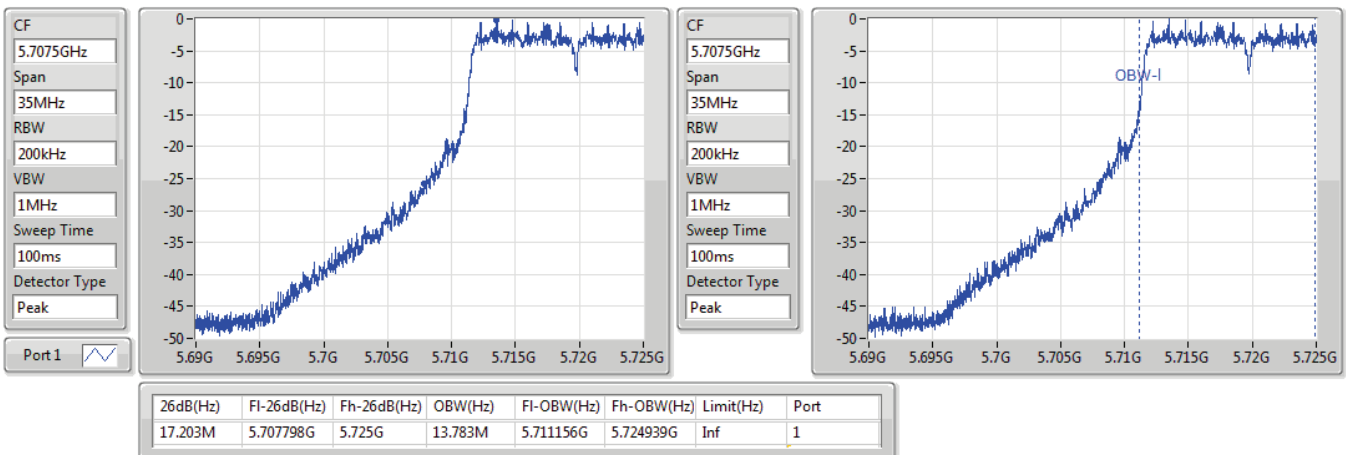


802.11a_Nss1,(6Mbps)_1TX
EBW
5700MHz

05/12/2019

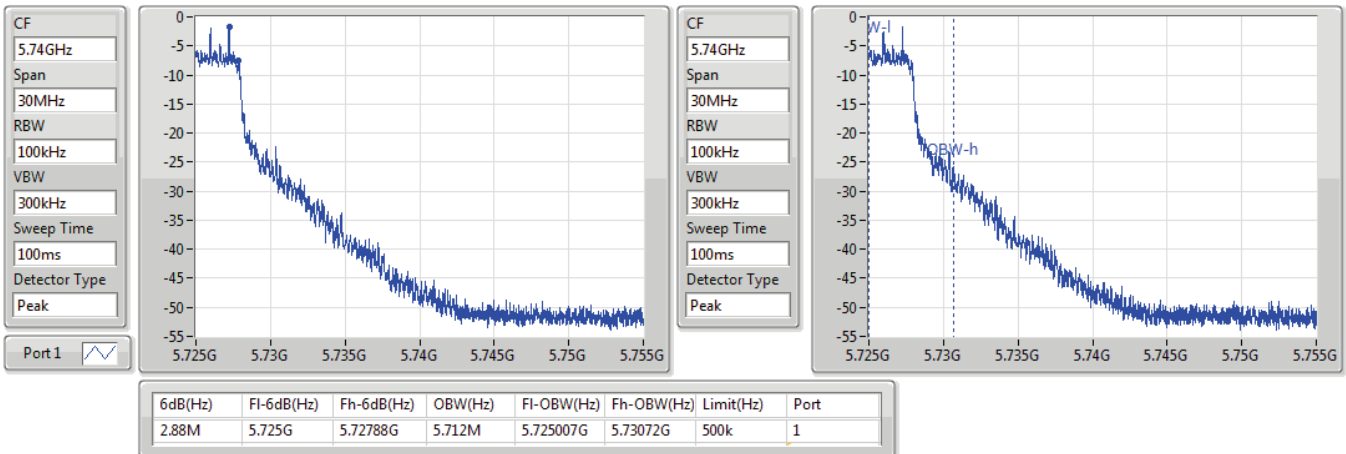

802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/12/2019

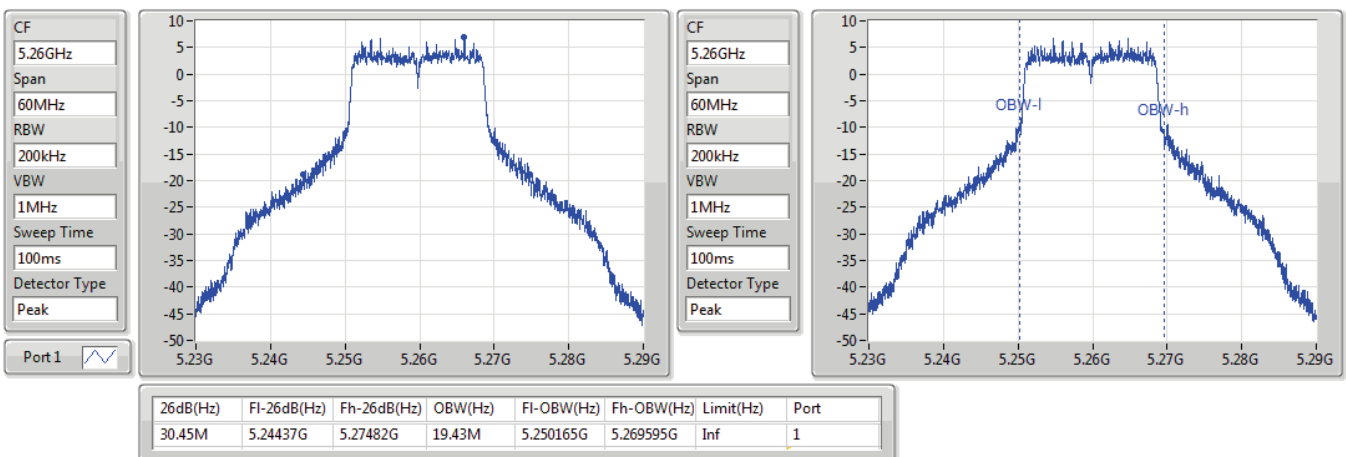


802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

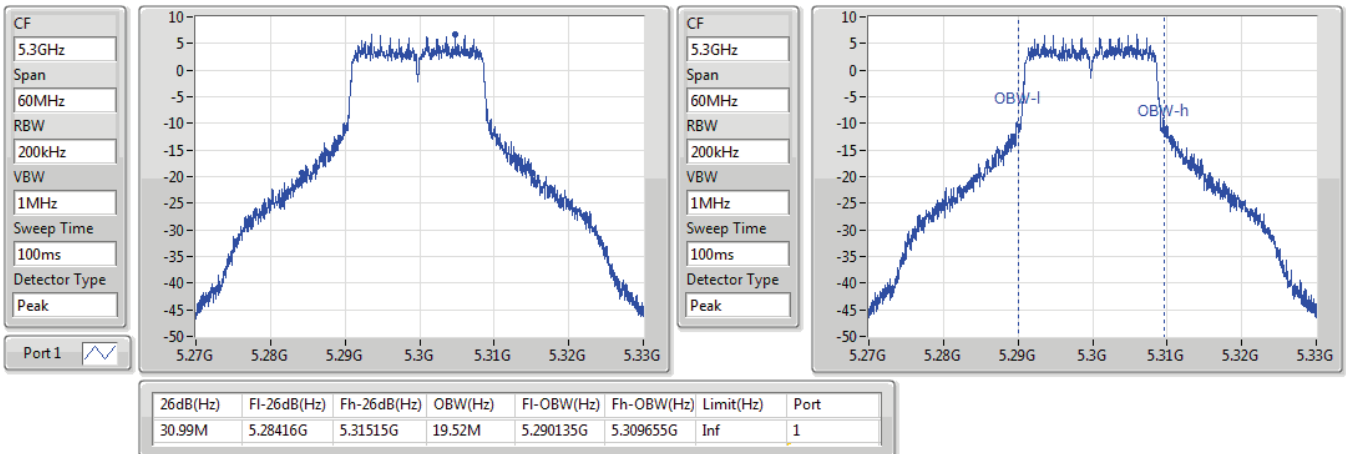

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5260MHz

05/12/2019

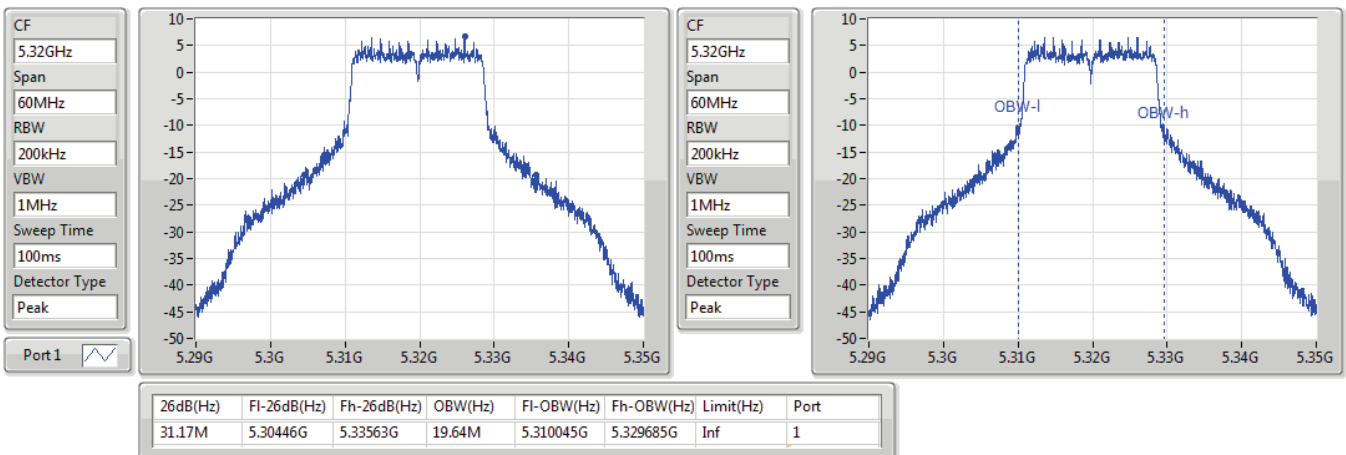


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5300MHz

05/12/2019

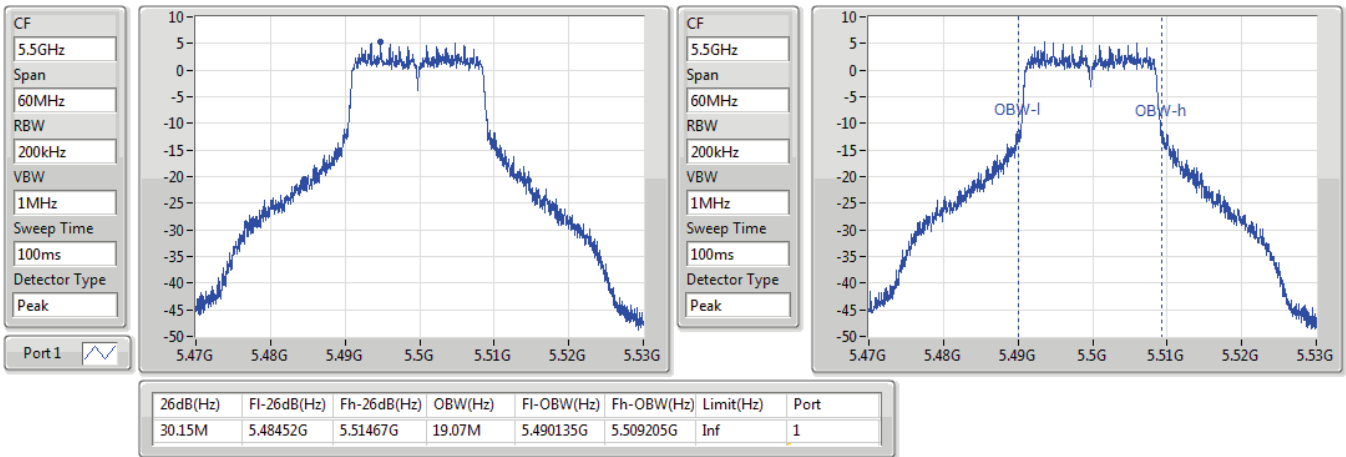

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5320MHz

05/12/2019

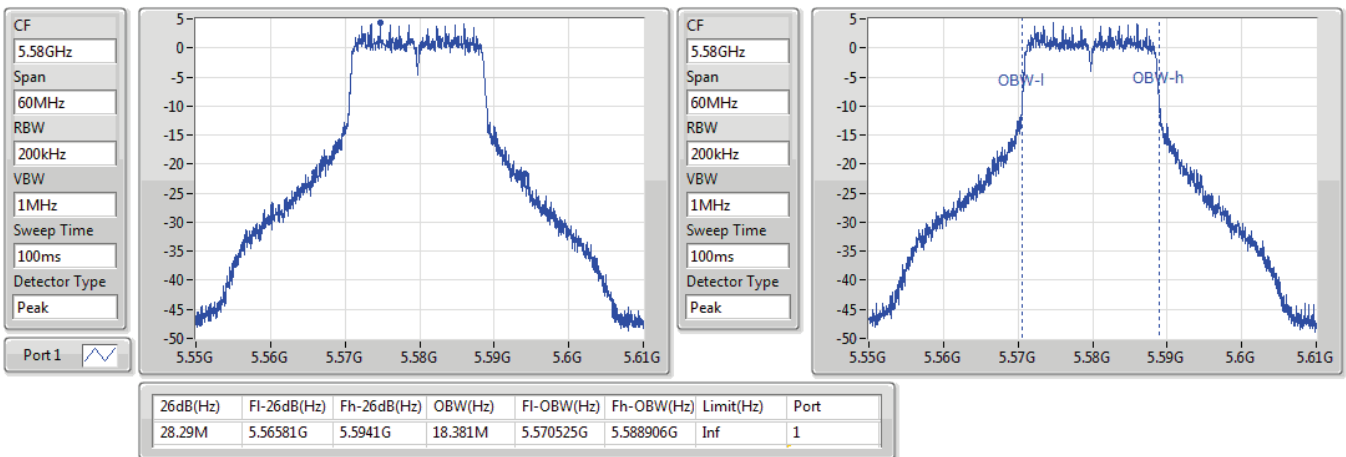


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5500MHz

05/12/2019

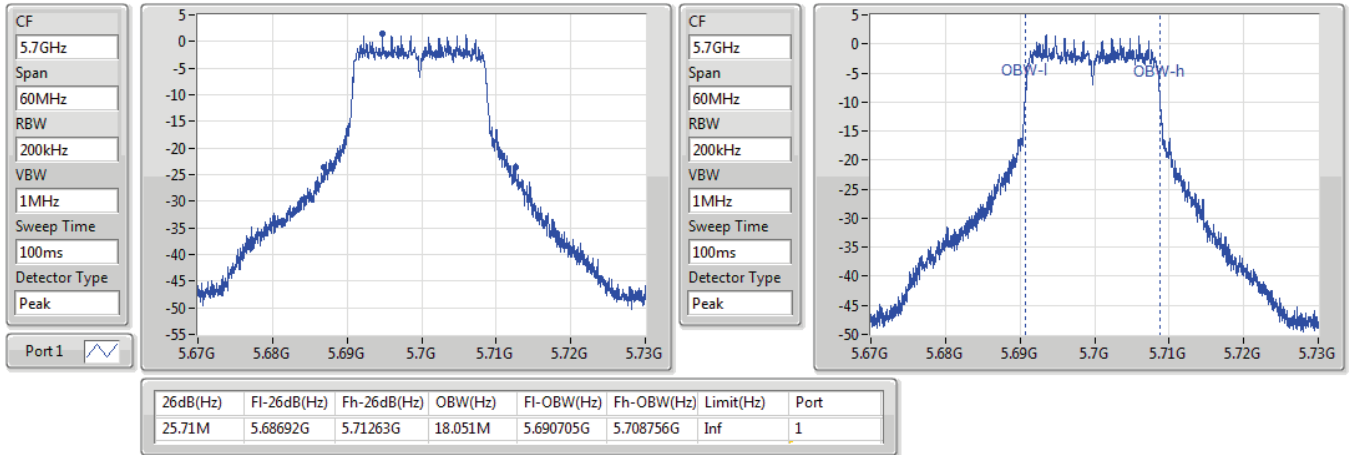

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5580MHz

05/12/2019

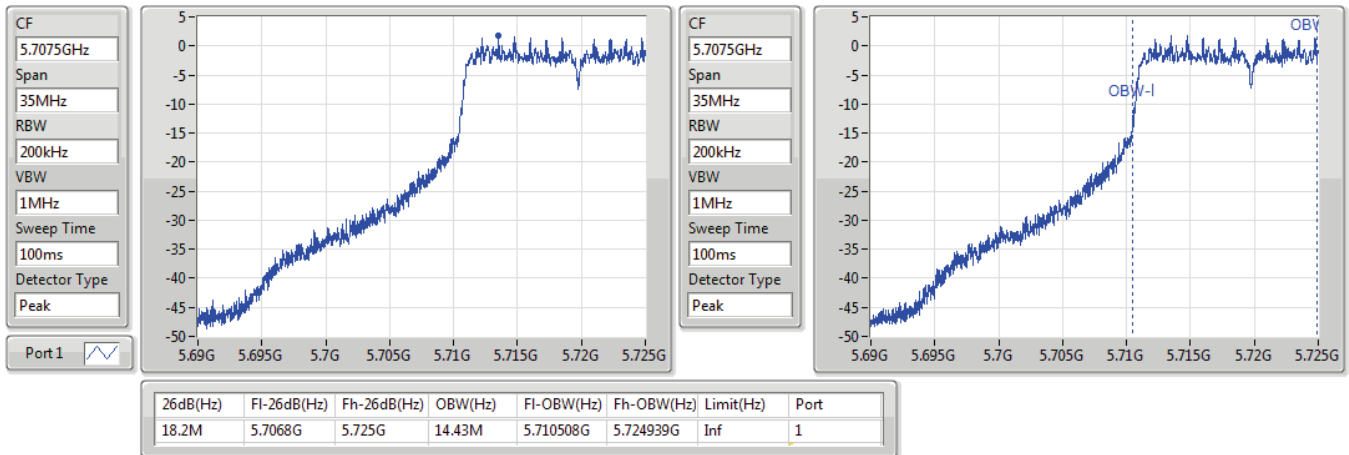


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5700MHz

05/12/2019

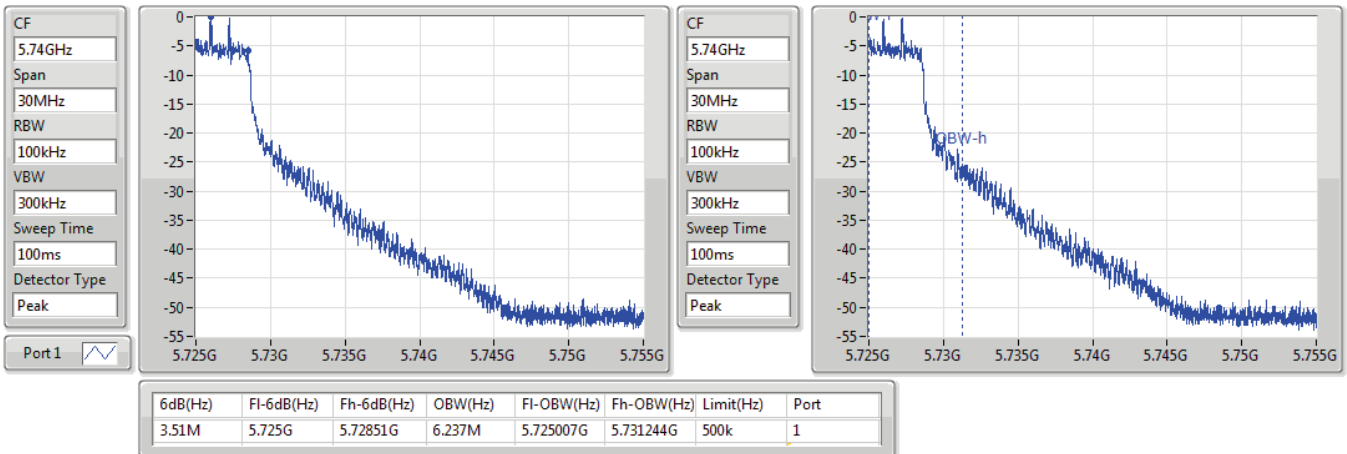

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.67-5.725GHz

05/12/2019

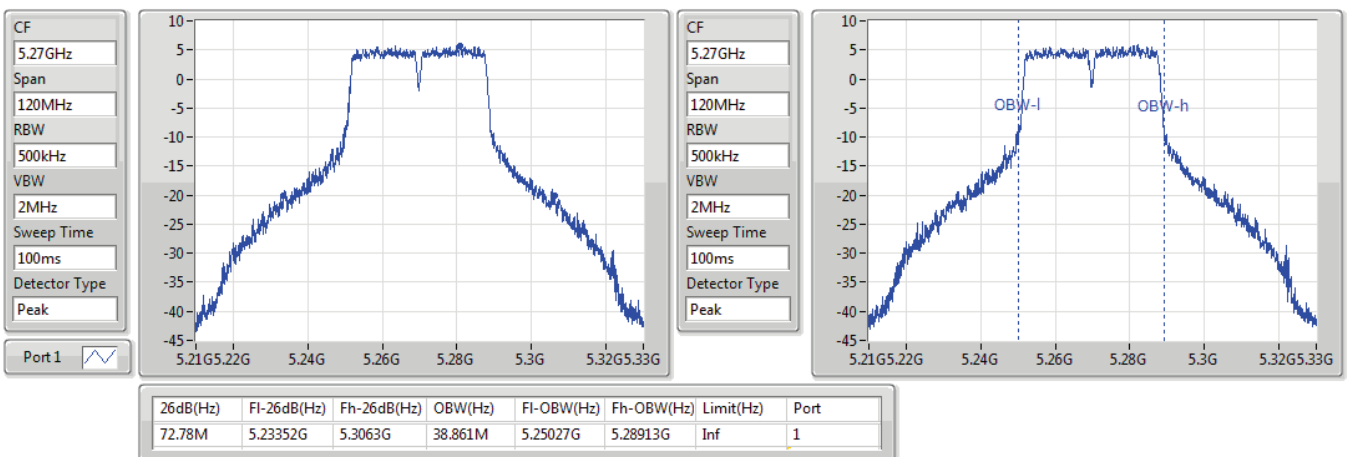


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/12/2019

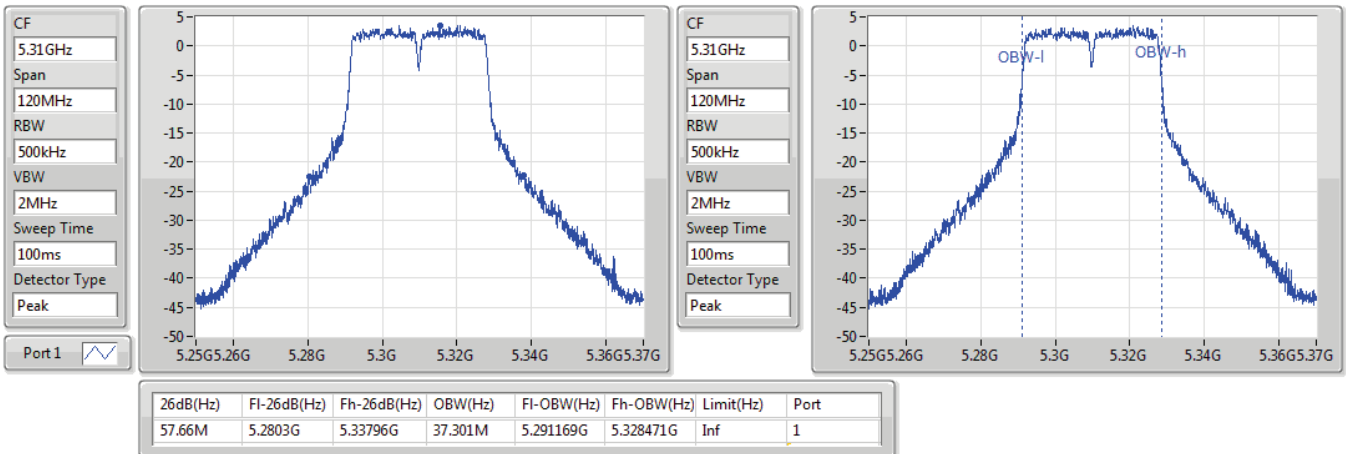

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5270MHz

05/12/2019

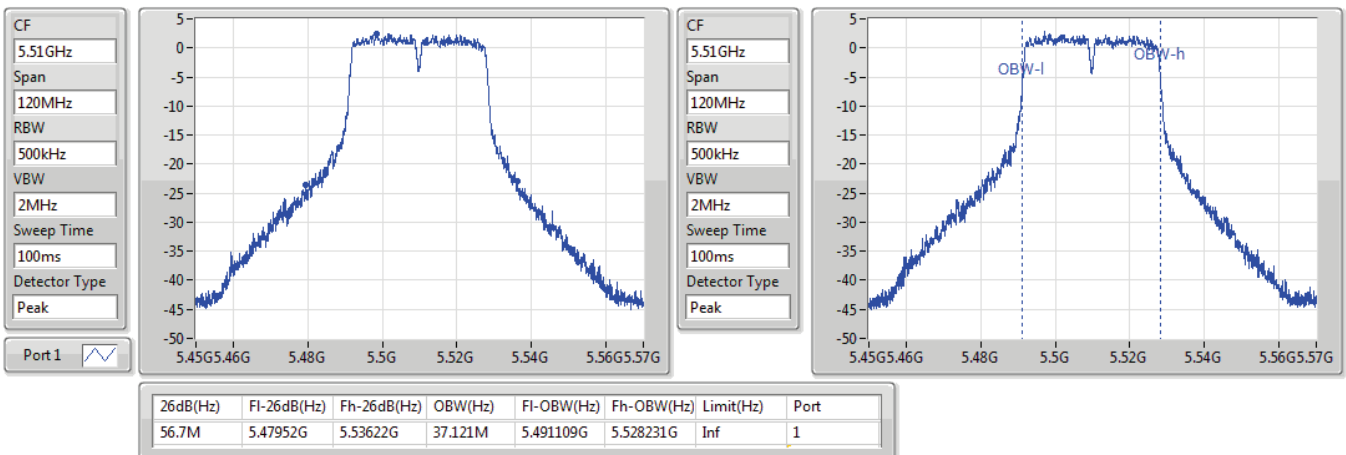


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5310MHz

05/12/2019

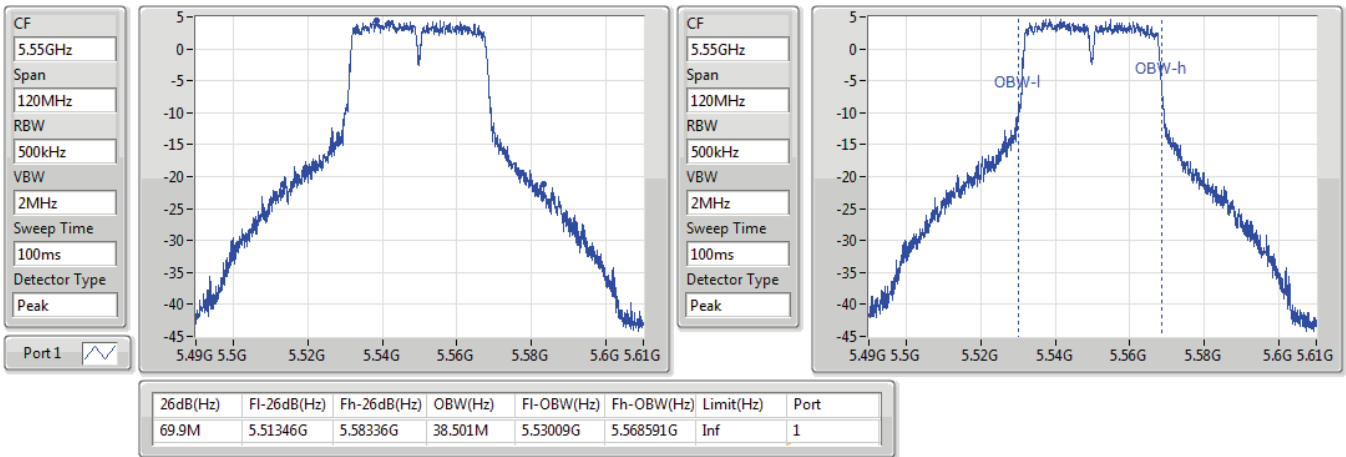

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5510MHz

05/12/2019

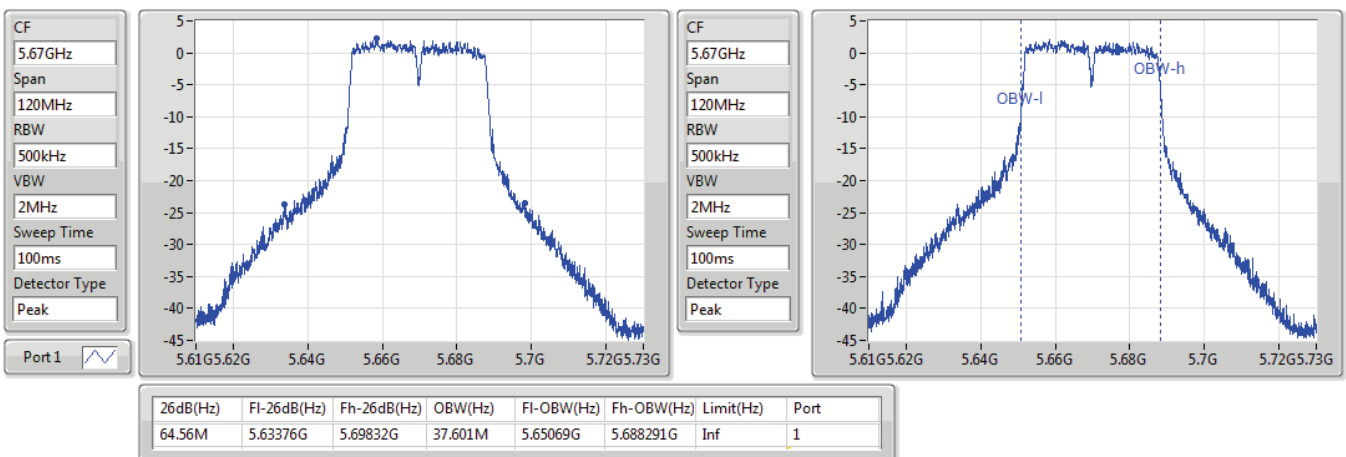


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5550MHz

05/12/2019

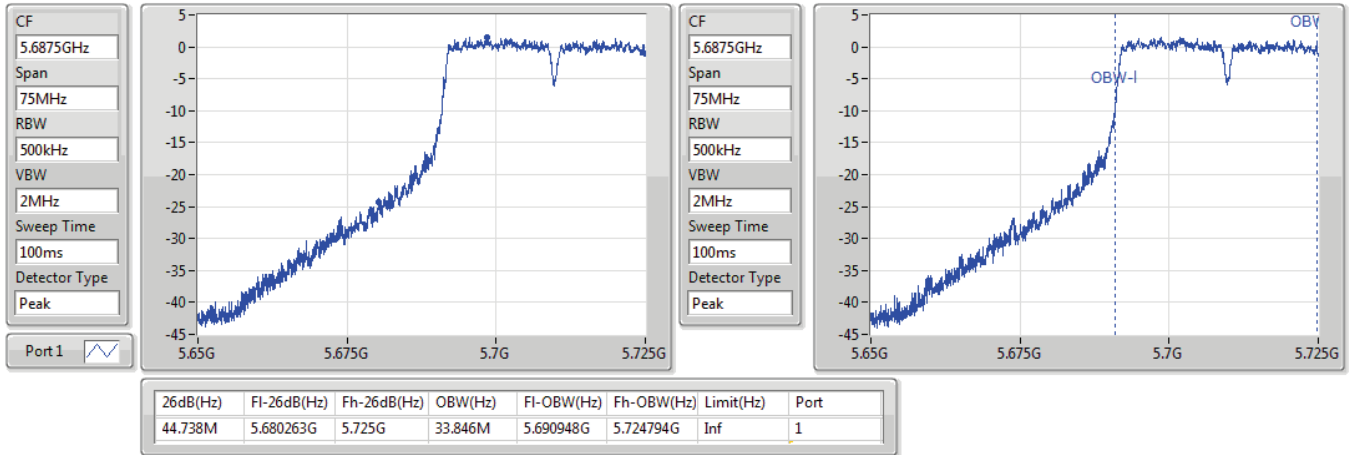

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5670MHz

05/12/2019

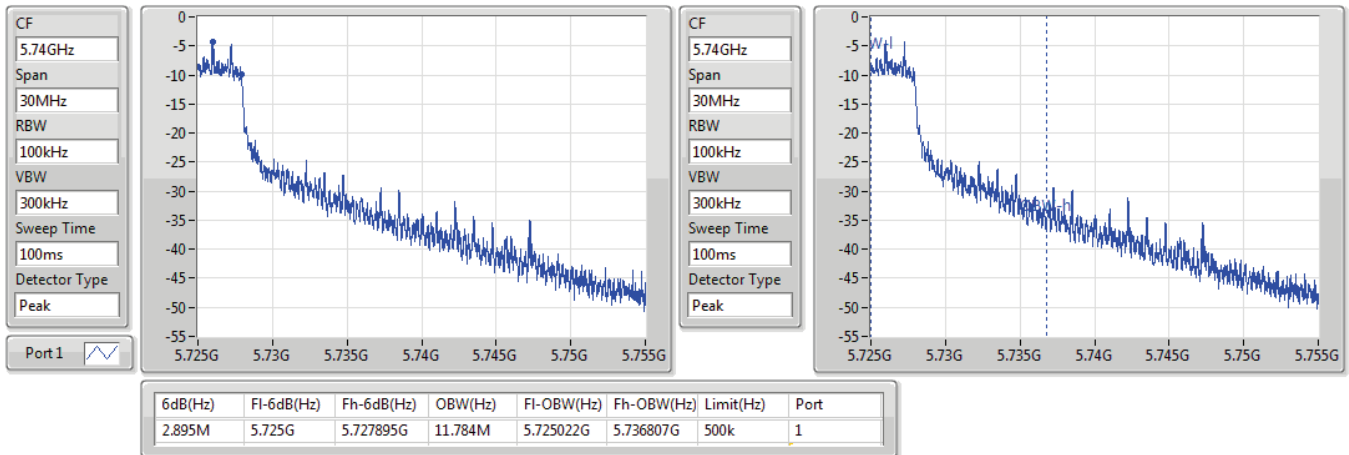


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.47-5.725GHz

05/12/2019

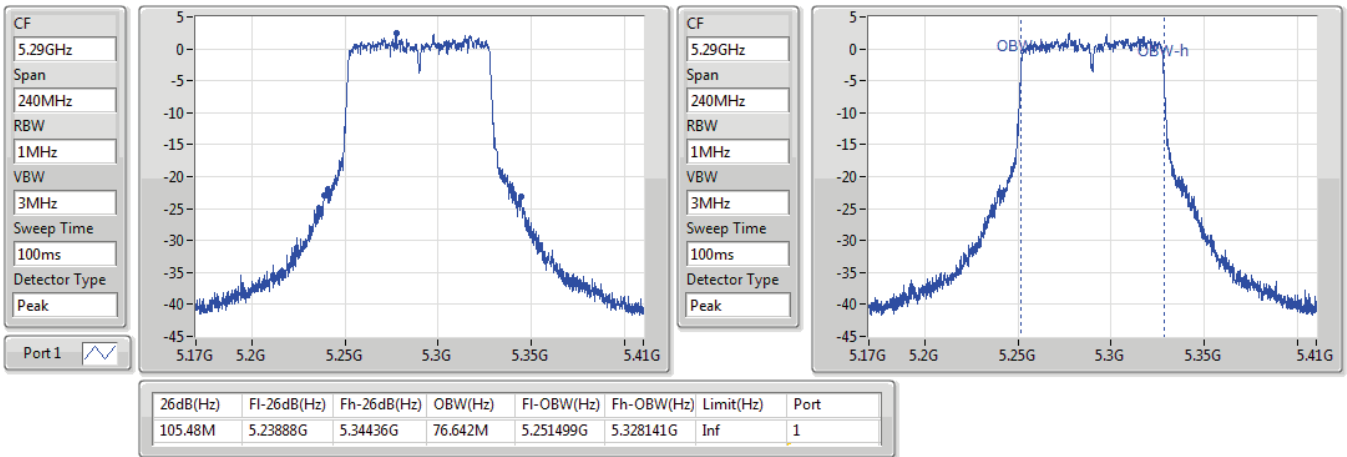

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/12/2019

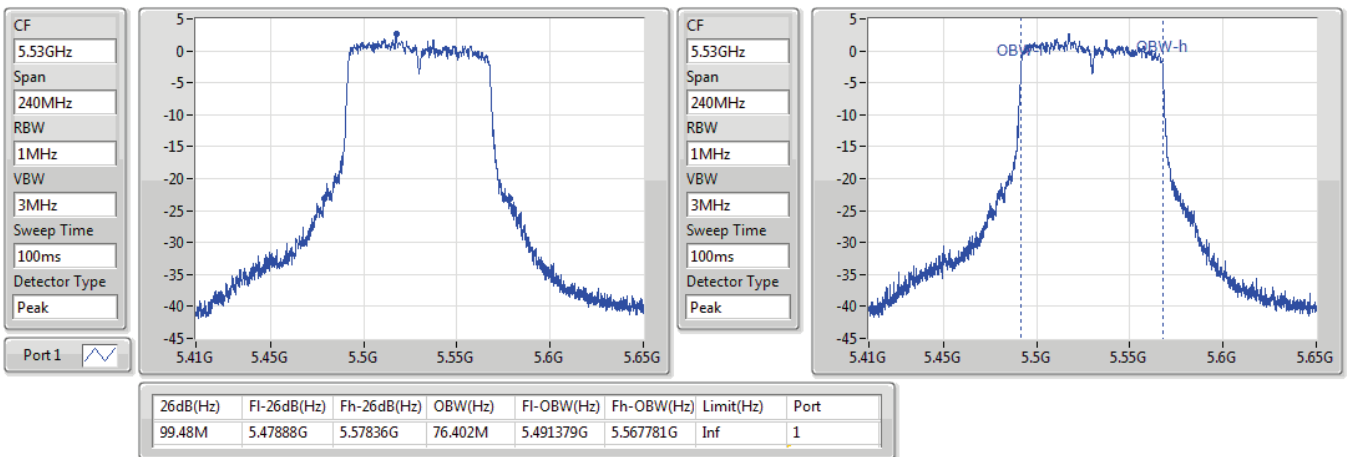


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5290MHz

05/12/2019

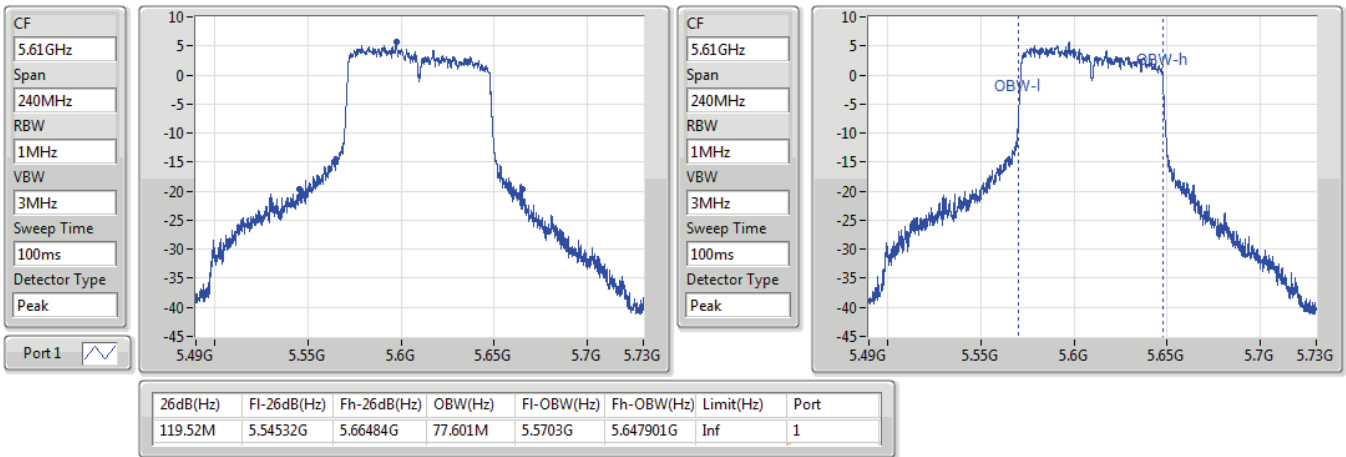

802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5530MHz

05/12/2019

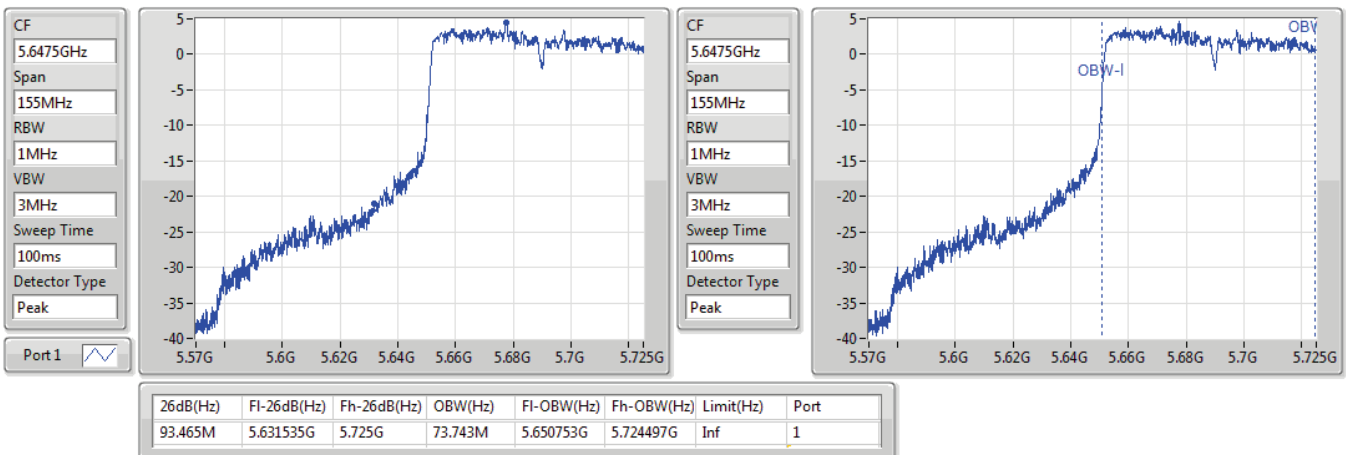


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5610MHz

05/12/2019


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.47-5.725GHz

05/12/2019

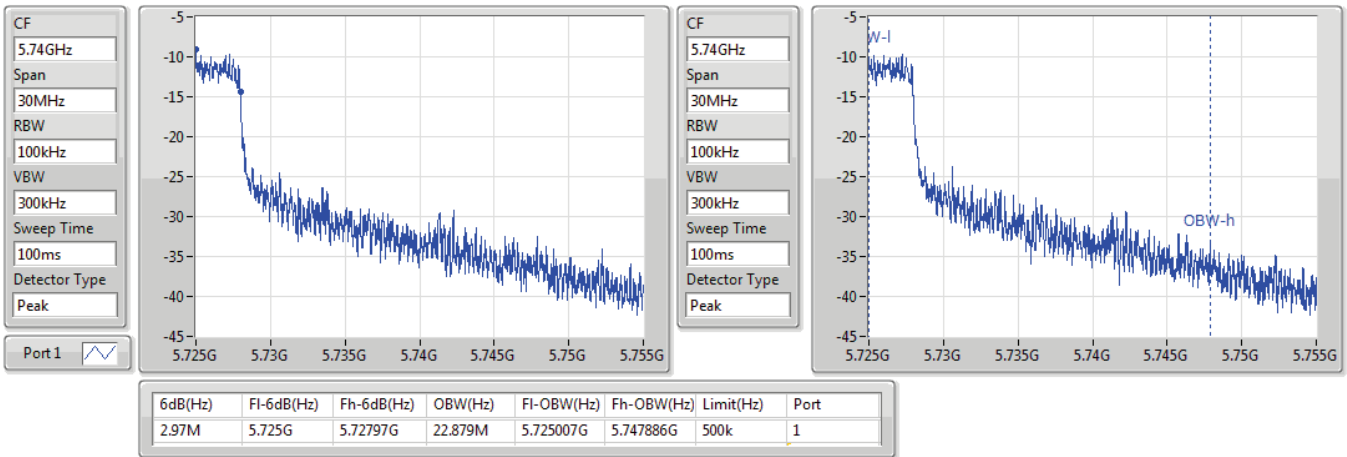


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.94M	17.571M	17M6D1D	20.16M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.56M	36.162M	36M2D1D	39.66M	36.042M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	79.92M	75.442M	75M4D1D	79.8M	75.202M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.7M	17.571M	17M6D1D	20.22M	17.571M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	42.06M	36.162M	36M2D1D	40.92M	36.102M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	84.84M	75.442M	75M4D1D	81.12M	75.202M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.46M	17.571M	17M6D1D	15.173M	13.766M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.5M	36.222M	36M2D1D	34.988M	32.909M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	82.68M	75.442M	75M4D1D	75.098M	72.116M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.52M	17.571M	17M6D1D	15.12M	13.783M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	42M	36.222M	36M2D1D	35.363M	32.909M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	85.56M	76.042M	76M0D1D	75.02M	72.116M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.765M	4.018M	4M02D1D	3.75M	4.018M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.21M	3.613M	3M61D1D	3.165M	3.568M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.195M	3.943M	3M94D1D	3.18M	3.853M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	3.78M	4.033M	4M03D1D	3.495M	4.018M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.12M	3.643M	3M64D1D	2.91M	3.598M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.195M	3.898M	3M90D1D	2.835M	3.823M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.16M	17.571M	20.34M	17.571M
5300MHz	Pass	Inf	20.4M	17.571M	20.94M	17.571M
5320MHz	Pass	Inf	20.37M	17.571M	20.67M	17.571M
5500MHz	Pass	Inf	20.01M	17.571M	20.34M	17.571M
5580MHz	Pass	Inf	20.46M	17.571M	20.13M	17.571M
5700MHz	Pass	Inf	20.34M	17.541M	20.22M	17.541M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.173M	13.766M	15.173M	13.766M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.765M	4.018M	3.75M	4.018M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.66M	36.162M	40.56M	36.042M
5310MHz	Pass	Inf	40.02M	36.102M	39.96M	36.102M
5510MHz	Pass	Inf	39.78M	36.102M	40.08M	36.222M
5550MHz	Pass	Inf	40.02M	36.102M	39.78M	36.102M
5670MHz	Pass	Inf	40.5M	36.102M	39.78M	36.042M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.475M	32.946M	34.988M	32.909M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	3.613M	3.165M	3.568M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	79.8M	75.442M	79.92M	75.202M
5530MHz	Pass	Inf	79.92M	75.082M	82.68M	75.442M
5610MHz	Pass	Inf	79.68M	75.202M	79.2M	75.202M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.175M	72.116M	75.098M	72.116M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.195M	3.943M	3.18M	3.853M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.37M	17.571M	20.22M	17.571M
5300MHz	Pass	Inf	20.25M	17.571M	20.7M	17.571M
5320MHz	Pass	Inf	20.22M	17.571M	20.52M	17.571M
5500MHz	Pass	Inf	20.52M	17.571M	20.31M	17.571M
5580MHz	Pass	Inf	20.37M	17.571M	20.13M	17.571M
5700MHz	Pass	Inf	20.4M	17.571M	20.13M	17.571M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.348M	13.783M	15.12M	13.801M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.033M	3.495M	4.018M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	42.06M	36.102M	42.06M	36.102M
5310MHz	Pass	Inf	40.92M	36.102M	41.82M	36.162M
5510MHz	Pass	Inf	40.5M	36.162M	41.22M	36.102M
5550MHz	Pass	Inf	39.6M	36.102M	42M	36.222M
5670MHz	Pass	Inf	41.4M	36.102M	40.56M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.363M	32.909M	36.938M	32.909M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.643M	2.91M	3.598M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	84.84M	75.442M	81.12M	75.202M
5530MHz	Pass	Inf	81.96M	75.202M	83.88M	75.442M
5610MHz	Pass	Inf	81M	75.202M	85.56M	76.042M



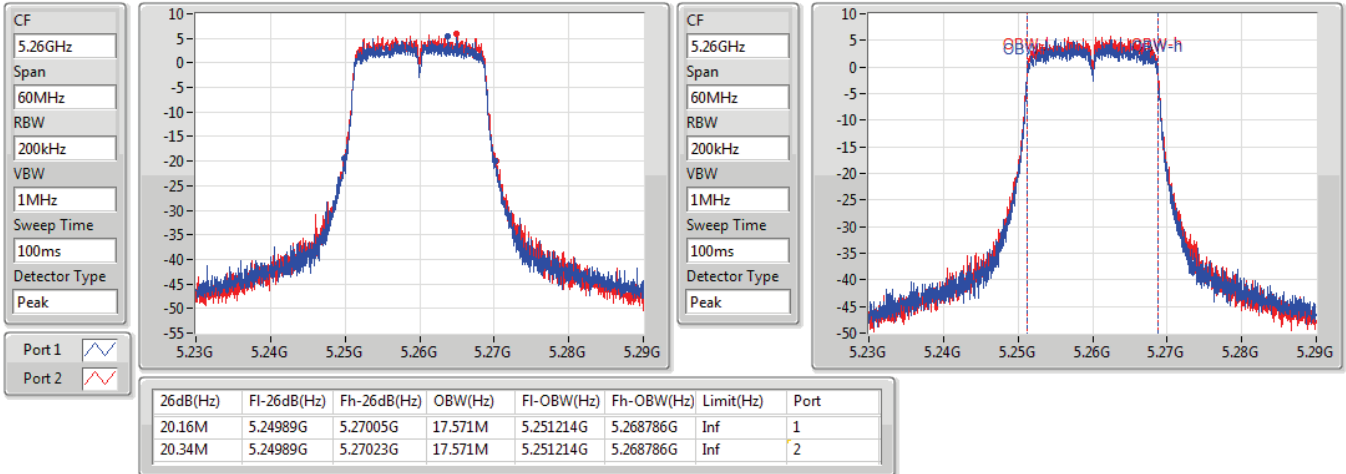
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.098M	72.194M	75.02M	72.116M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.195M	3.898M	2.835M	3.823M

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

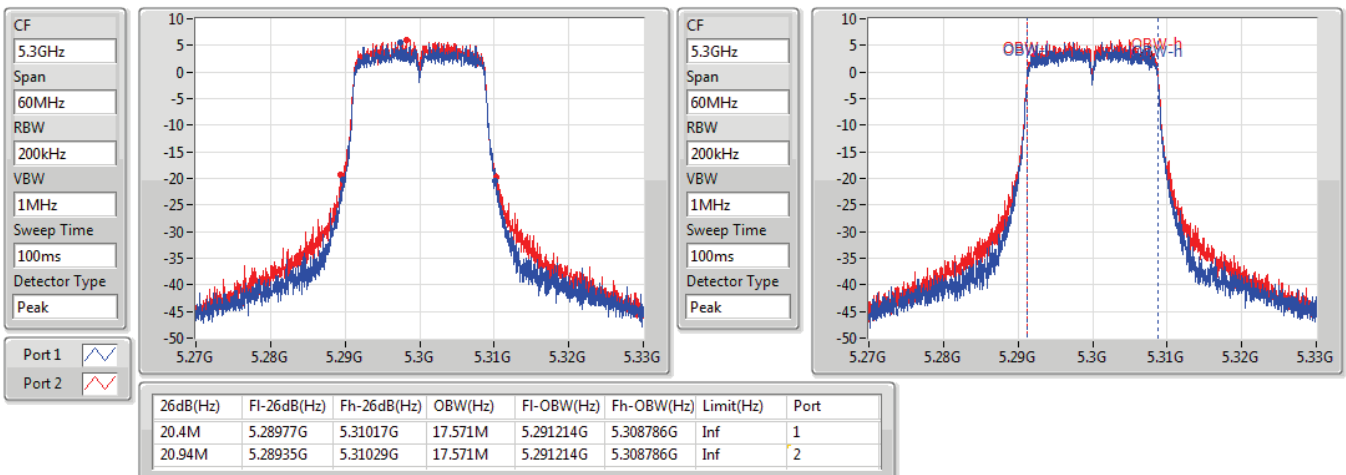
Port X-OBW = Port X 99% occupied bandwidth;

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

09/12/2019

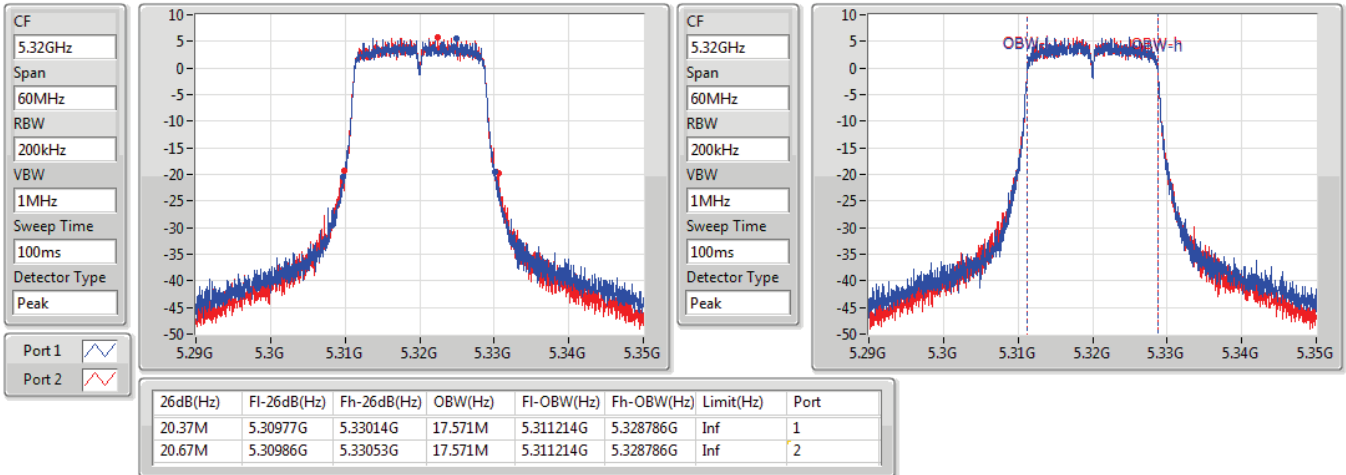

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

09/12/2019

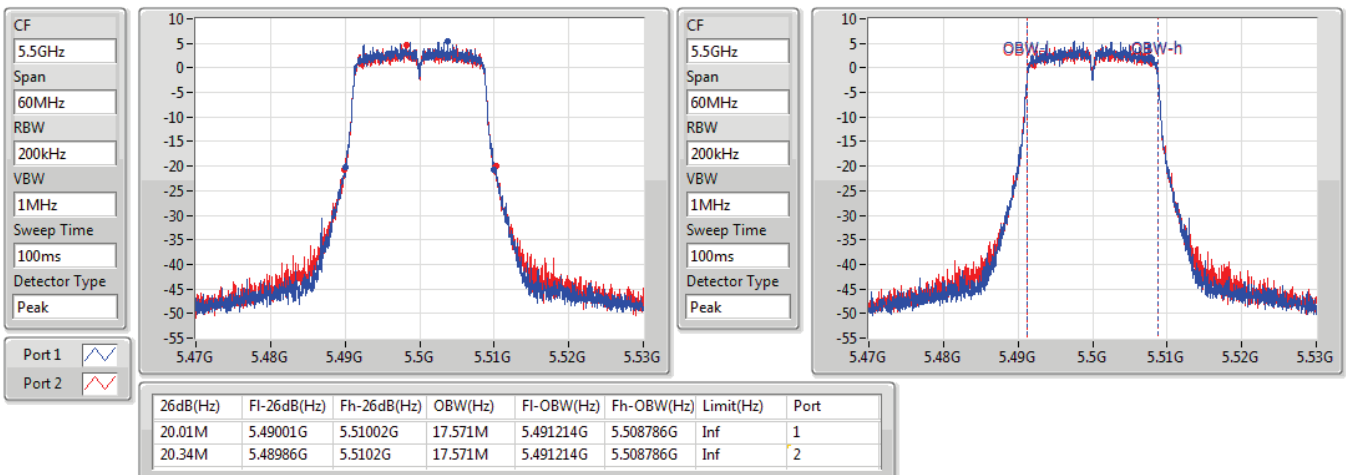


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

09/12/2019

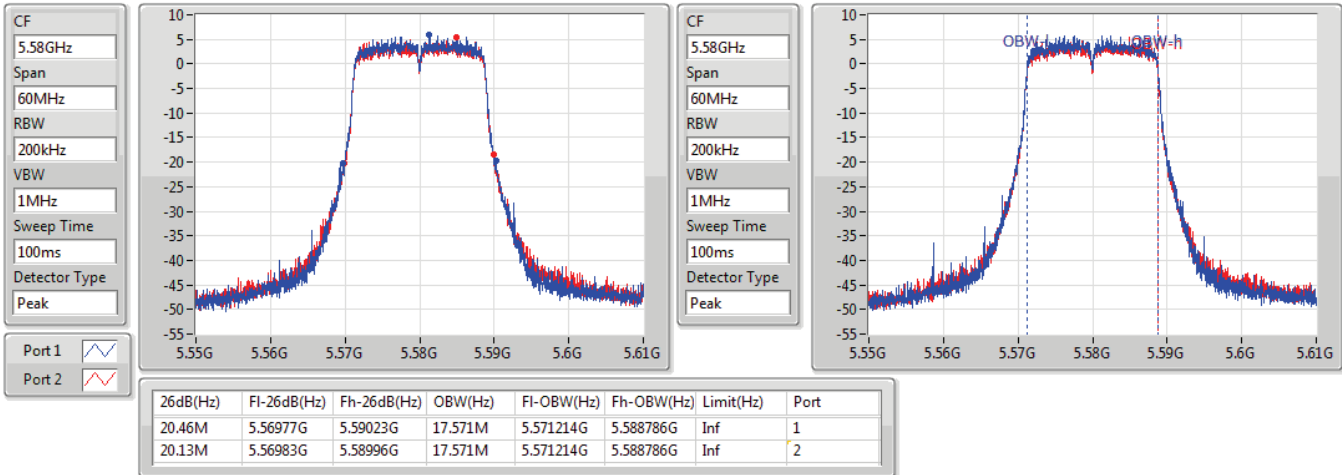

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

09/12/2019

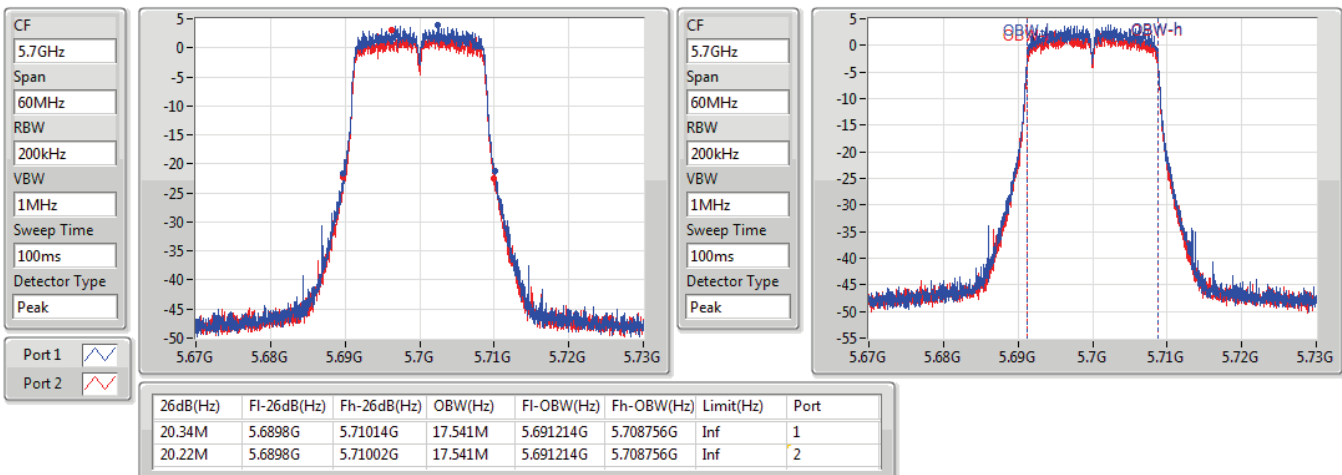


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

09/12/2019

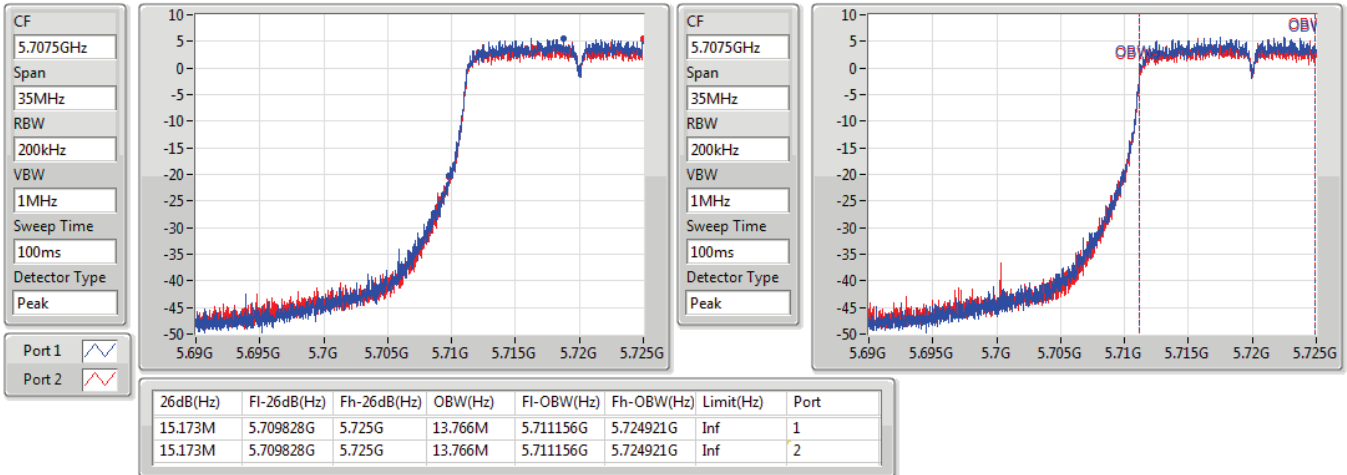

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

09/12/2019

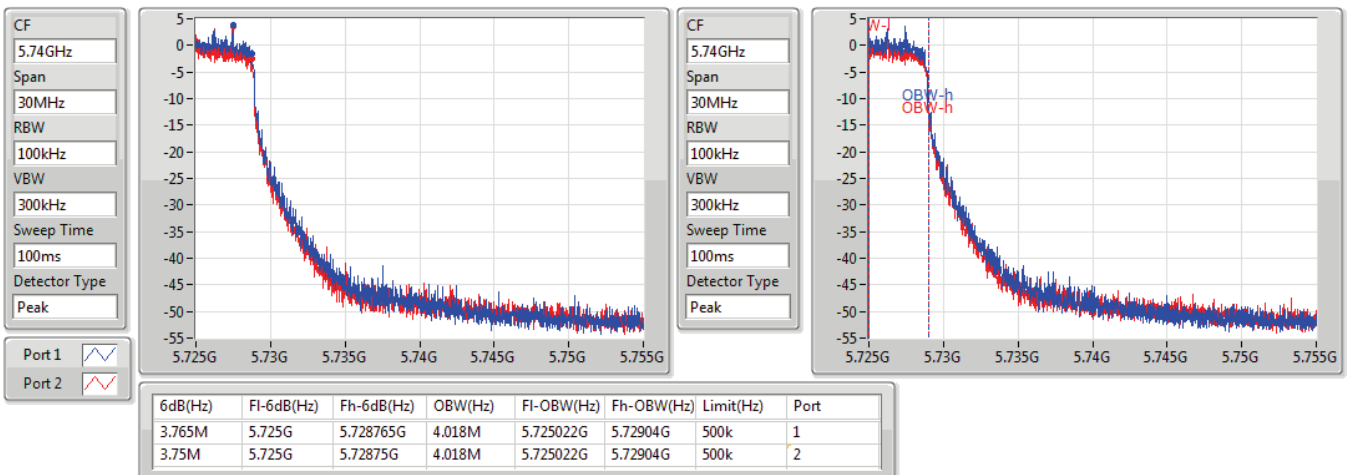


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

09/12/2019

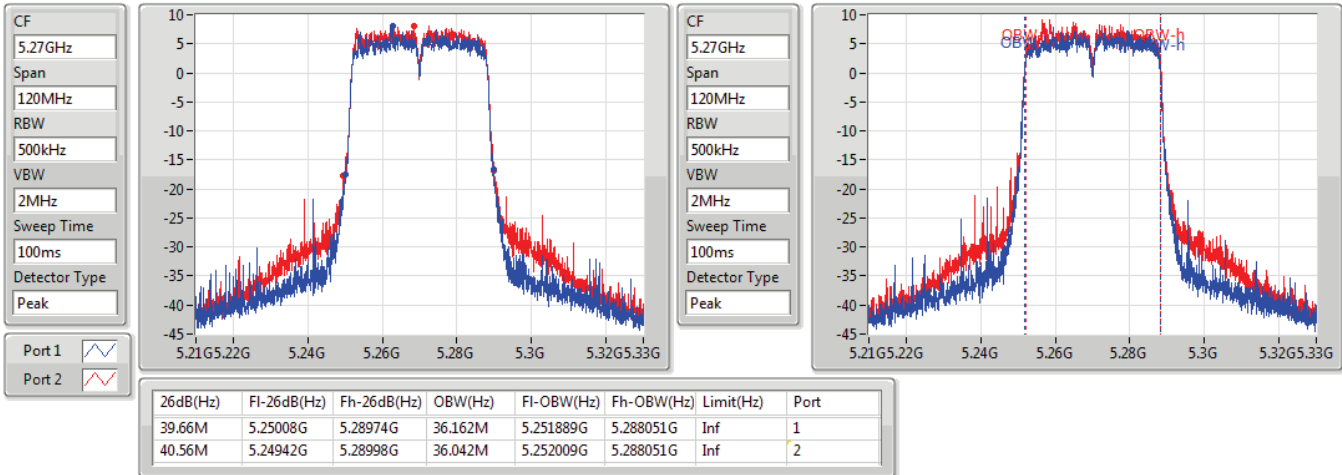

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

09/12/2019

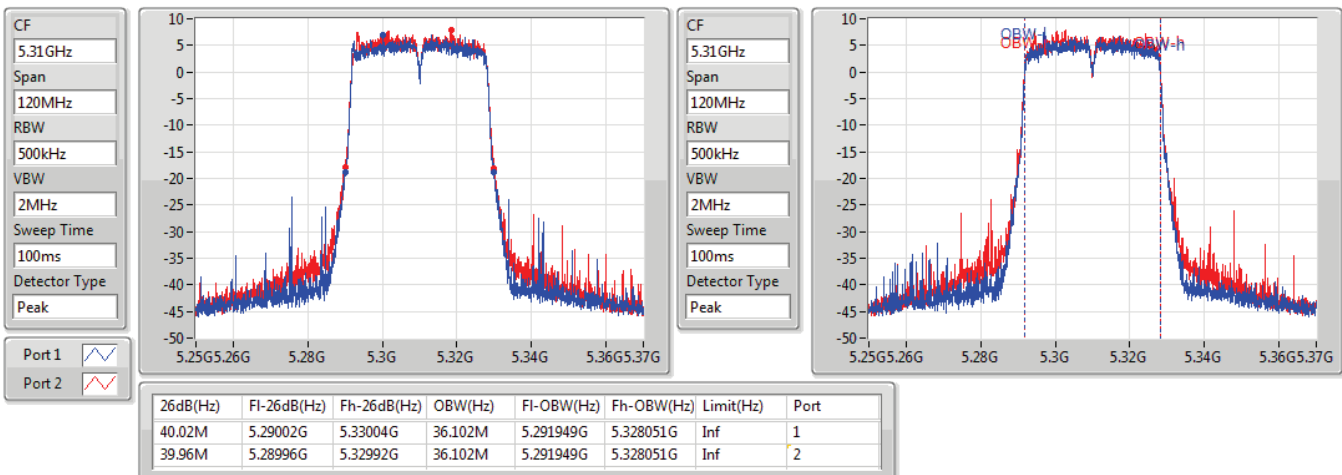


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

09/12/2019

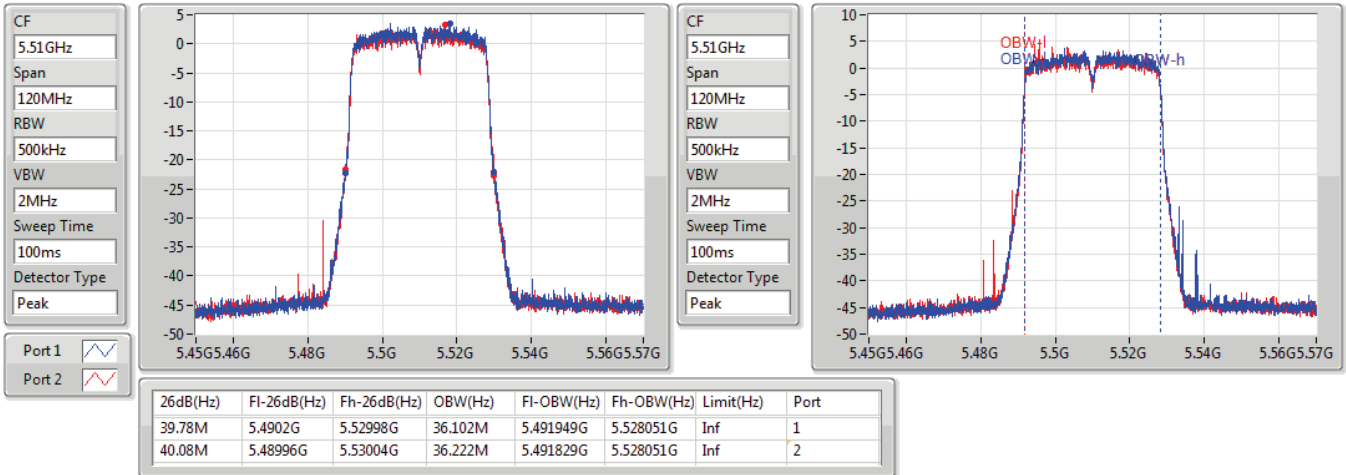

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

09/12/2019

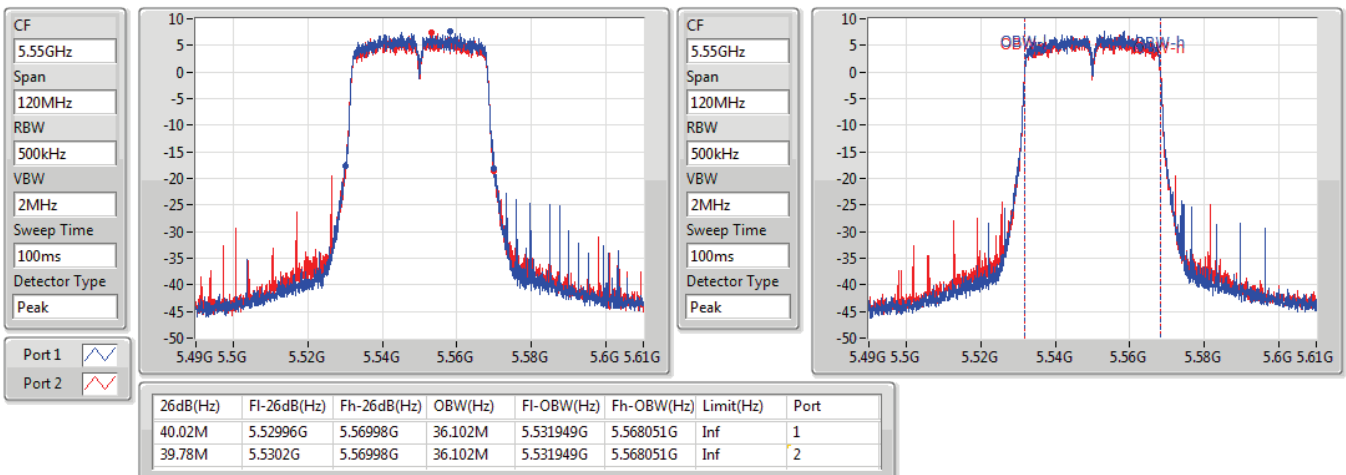


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

09/12/2019

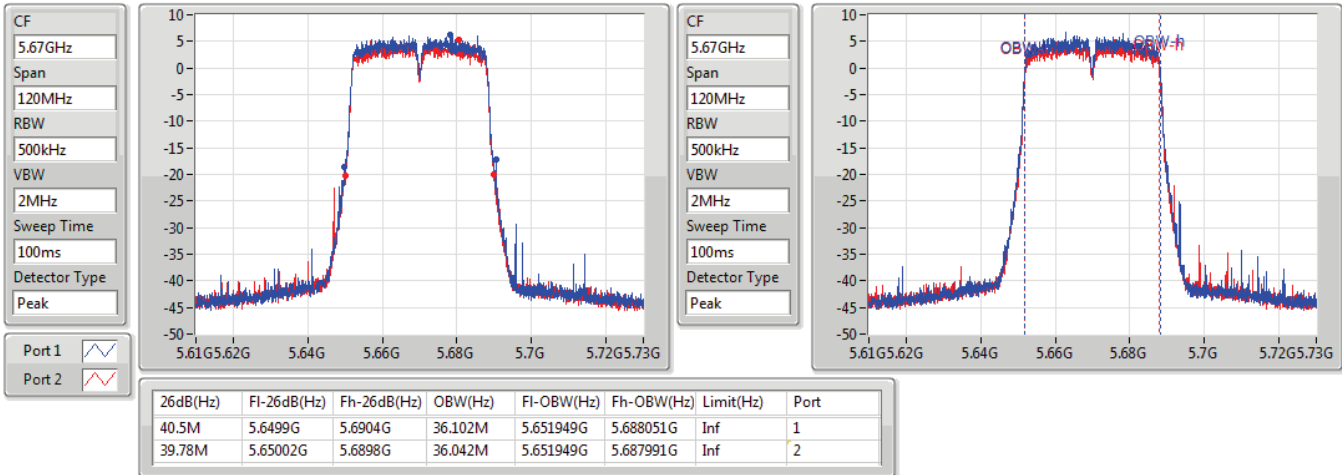

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

09/12/2019

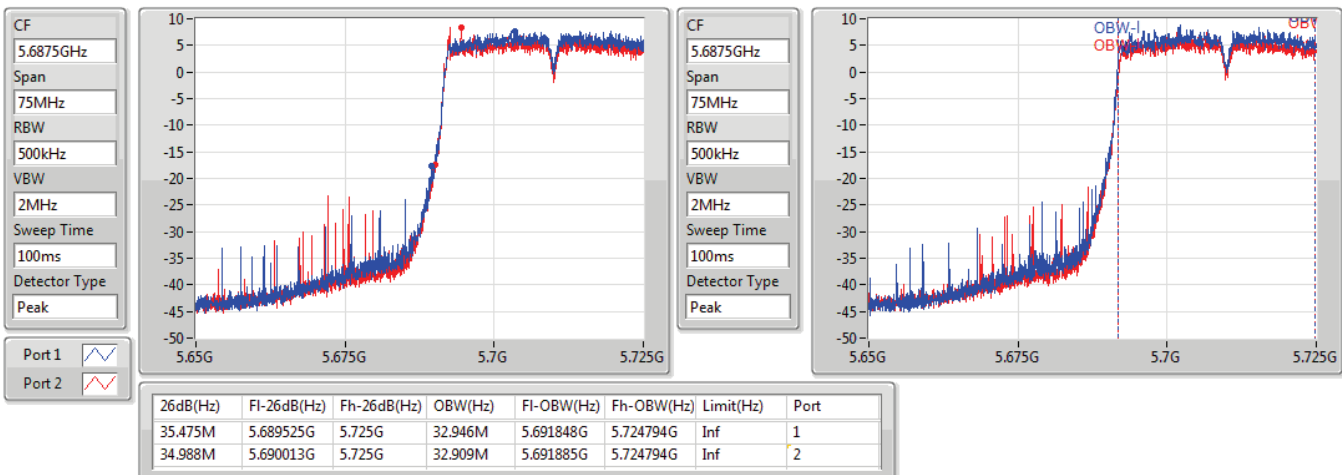


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

09/12/2019

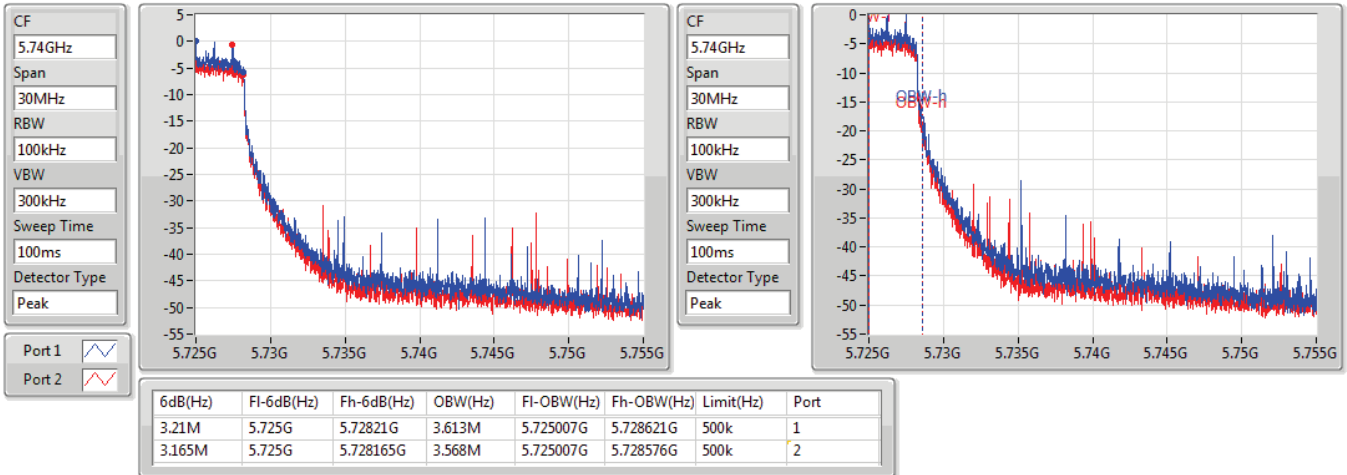

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

09/12/2019

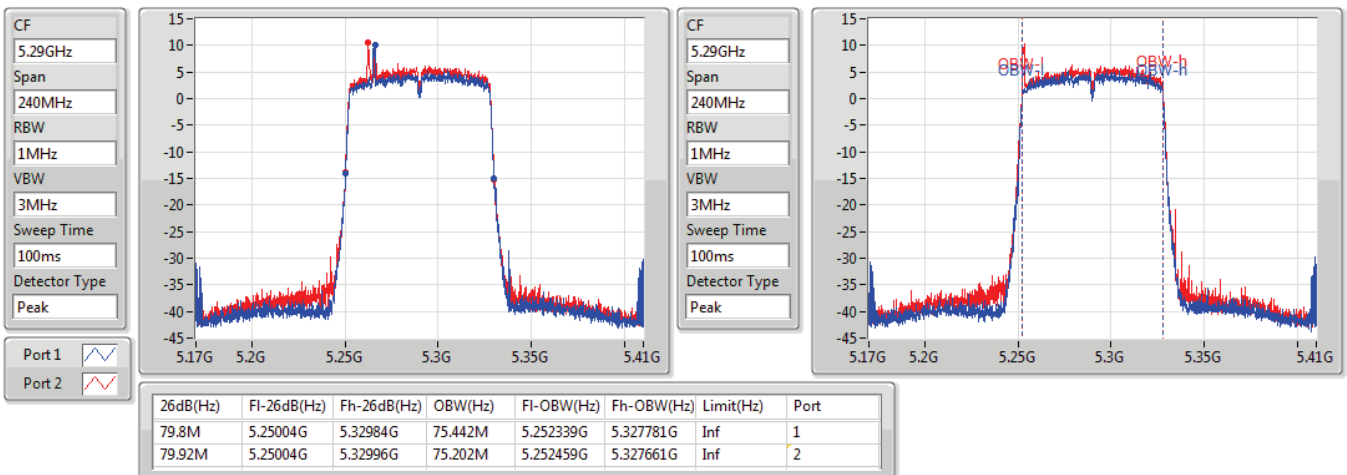


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

09/12/2019

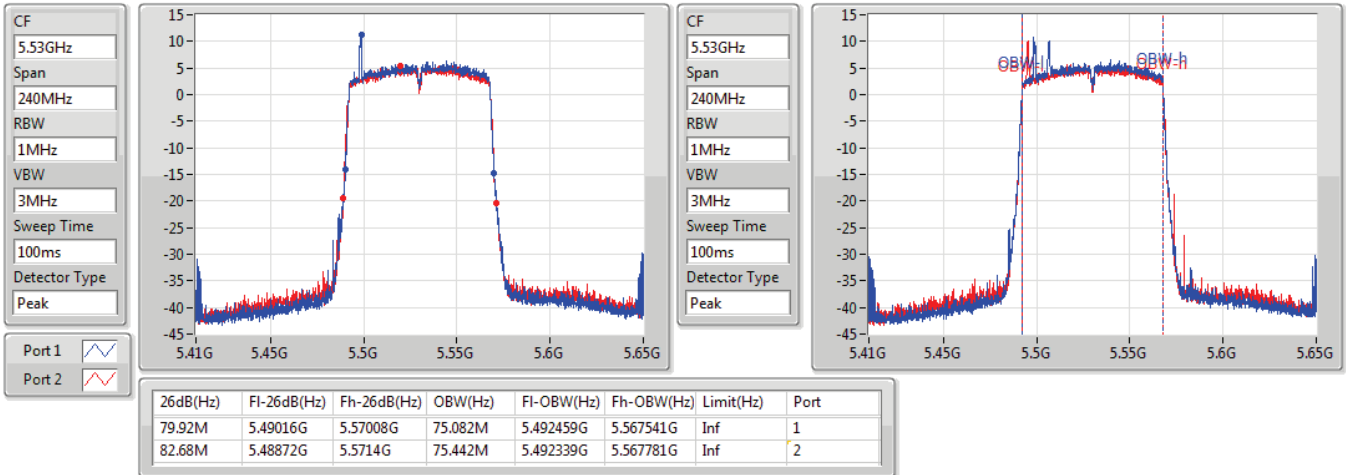

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

09/12/2019

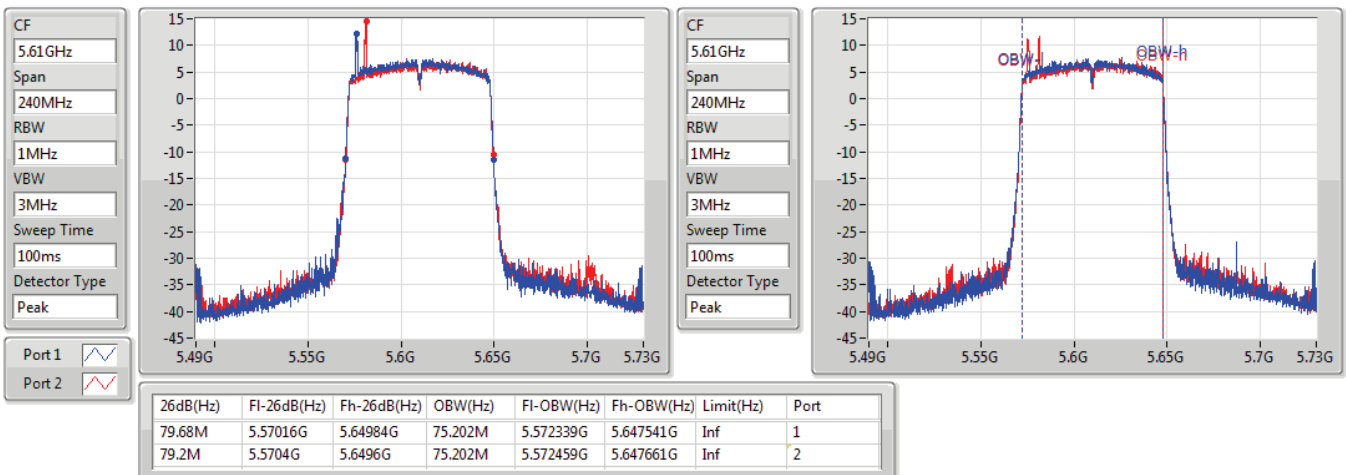


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

09/12/2019

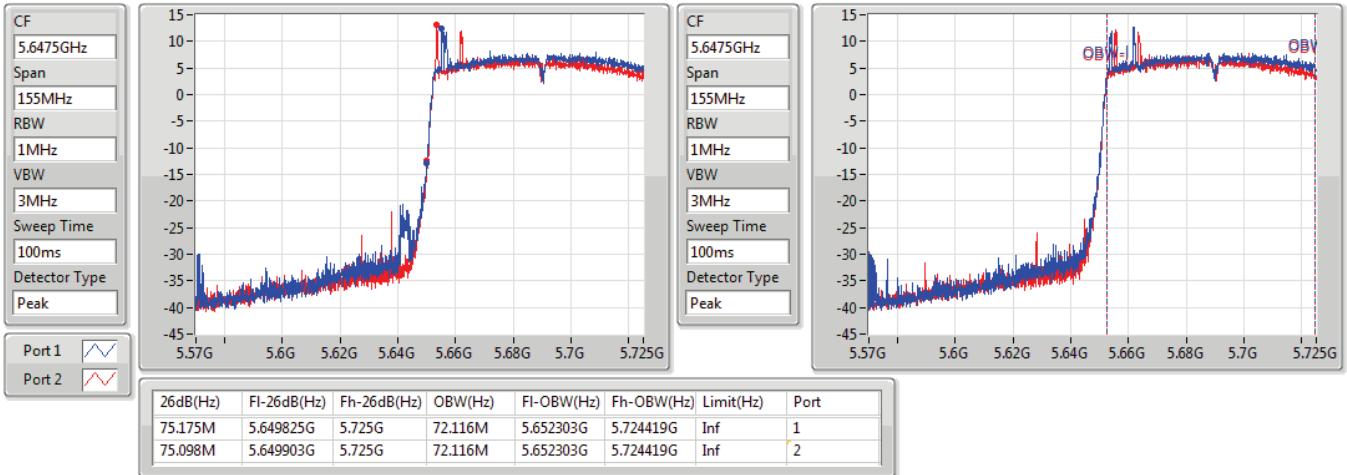

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

09/12/2019

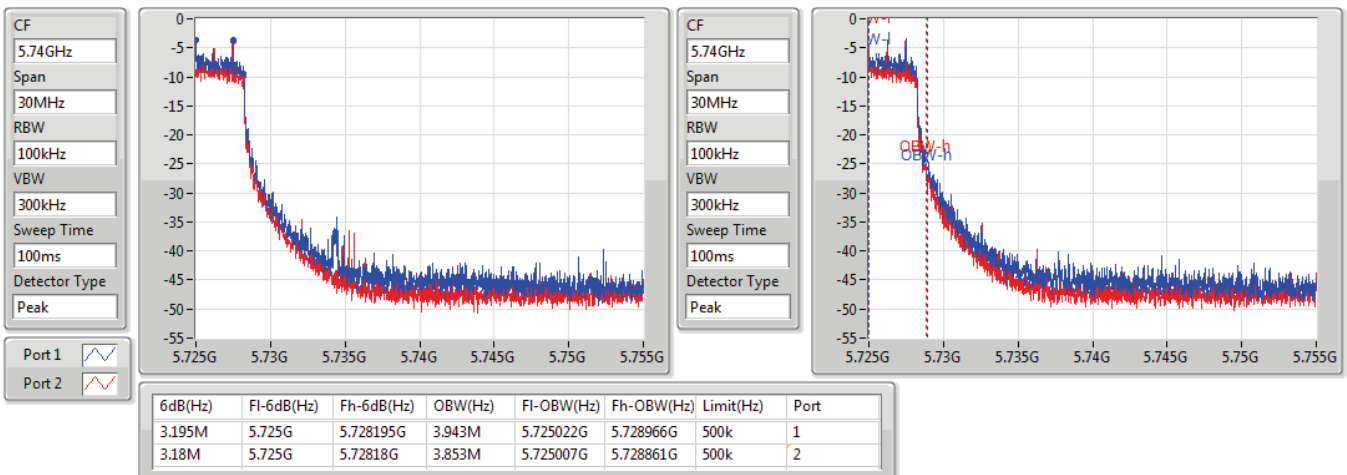


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

09/12/2019

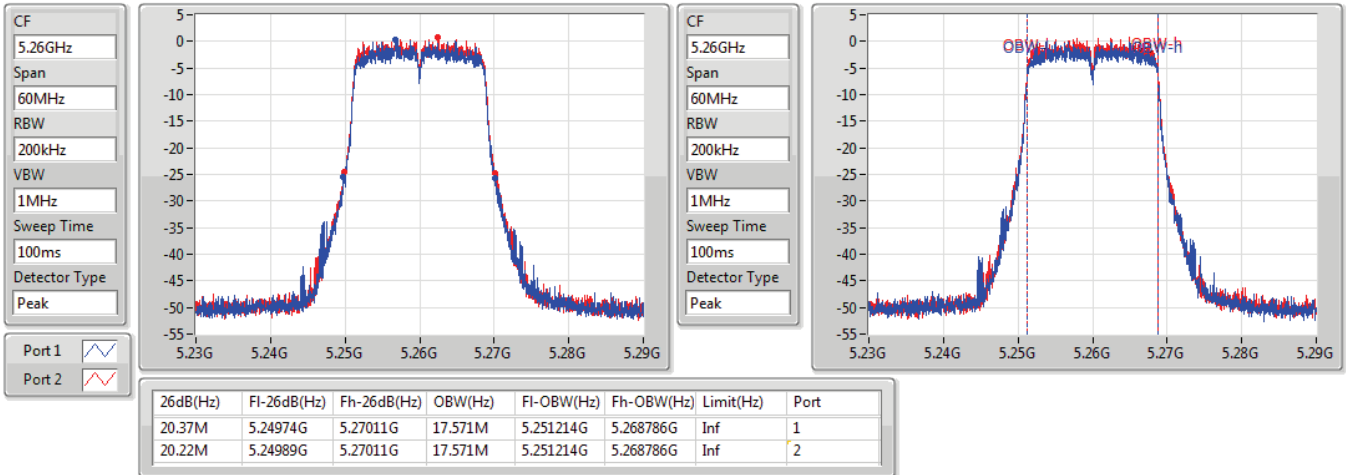

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

09/12/2019

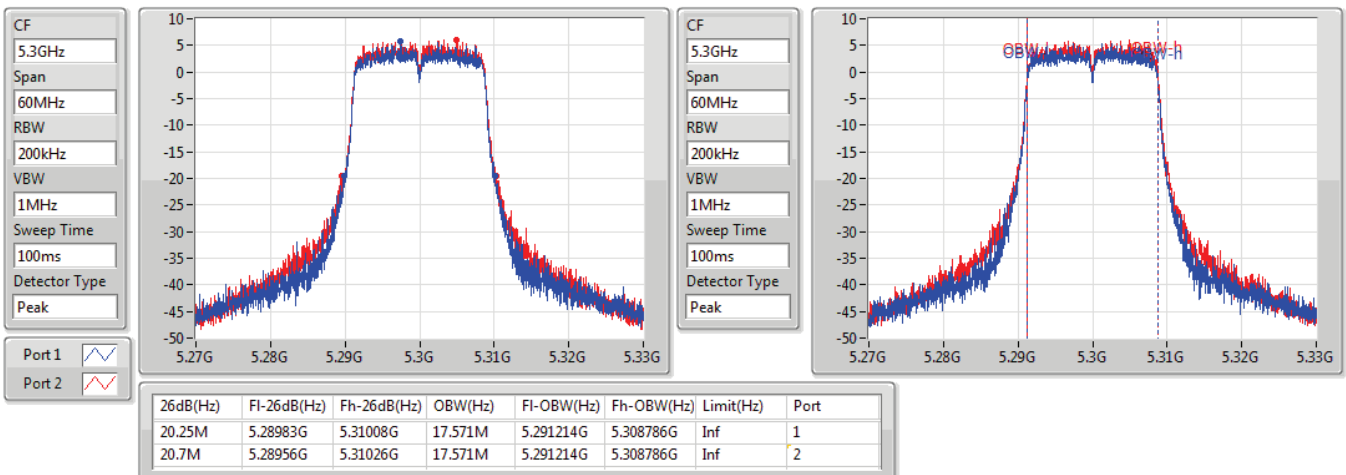


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

09/12/2019

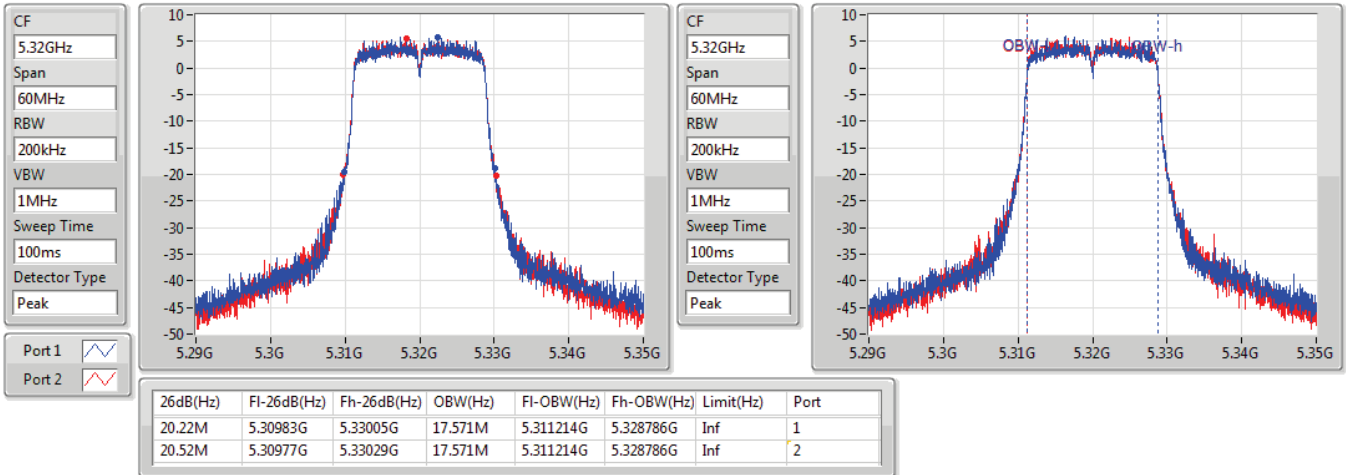

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

09/12/2019

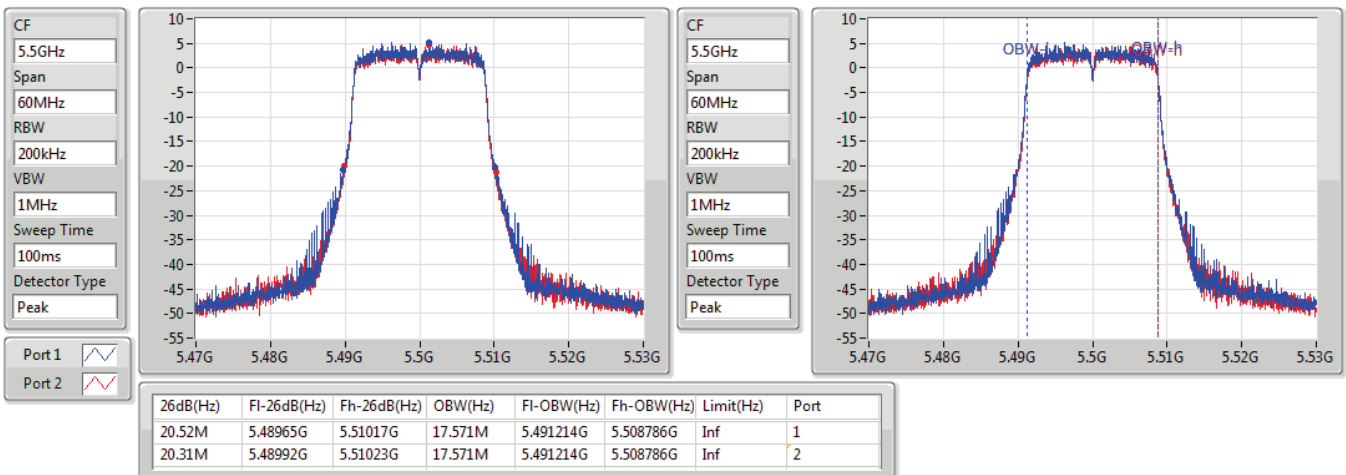


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

09/12/2019

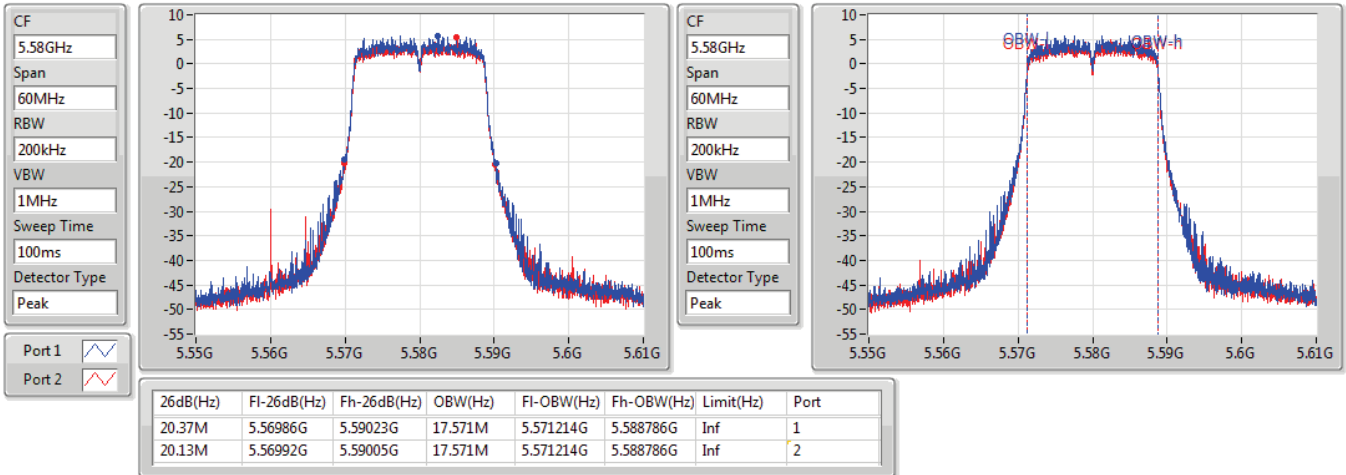

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

09/12/2019

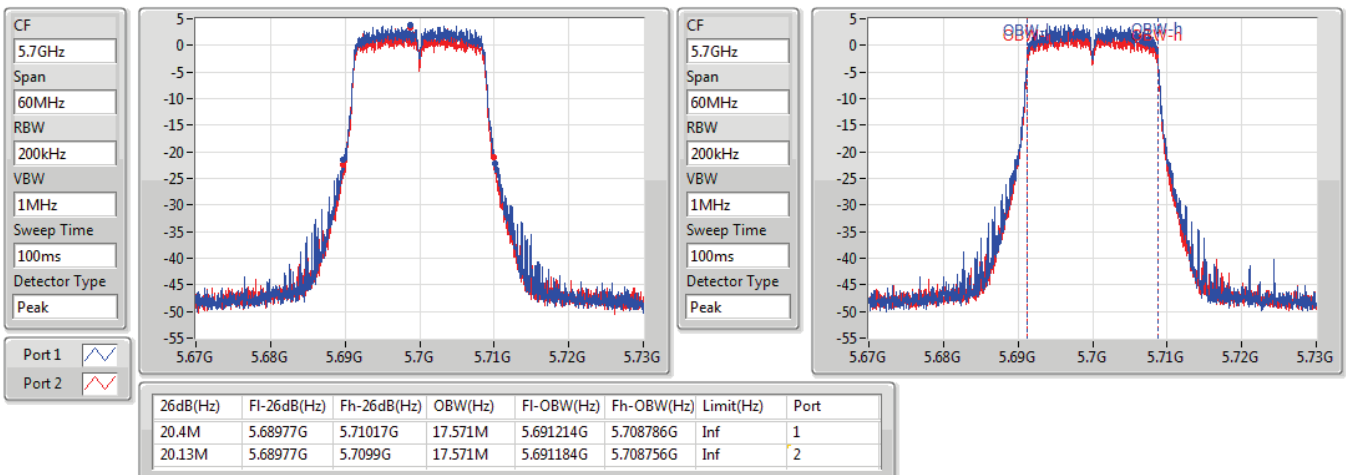


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

09/12/2019

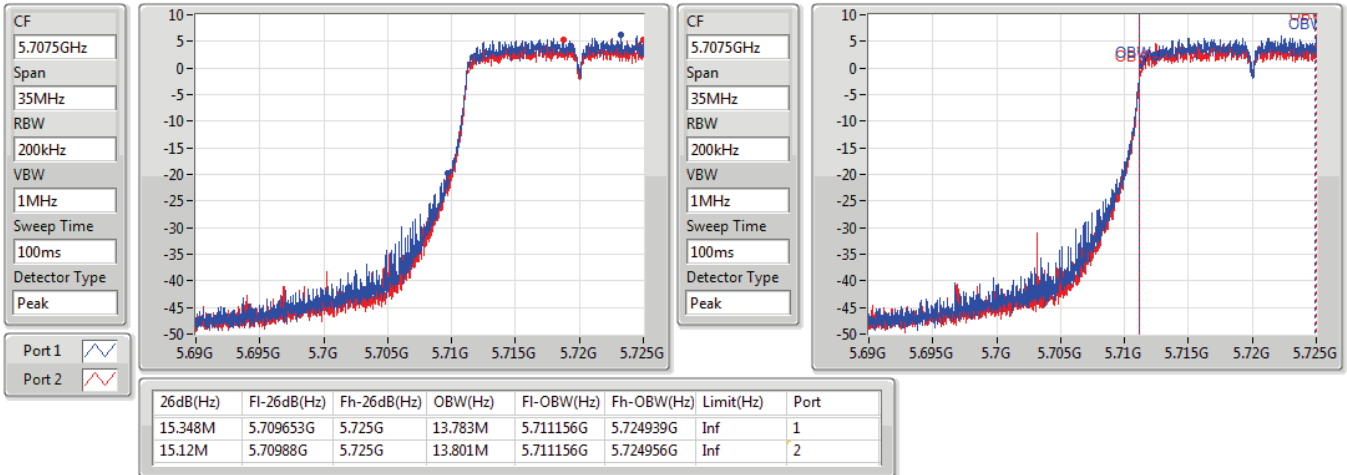

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

09/12/2019

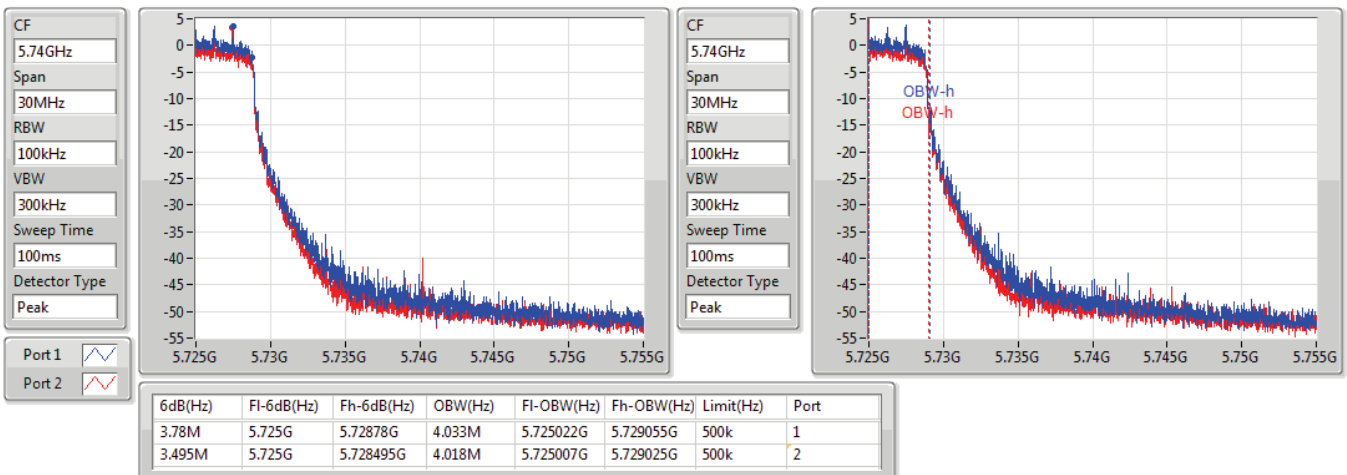


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

09/12/2019

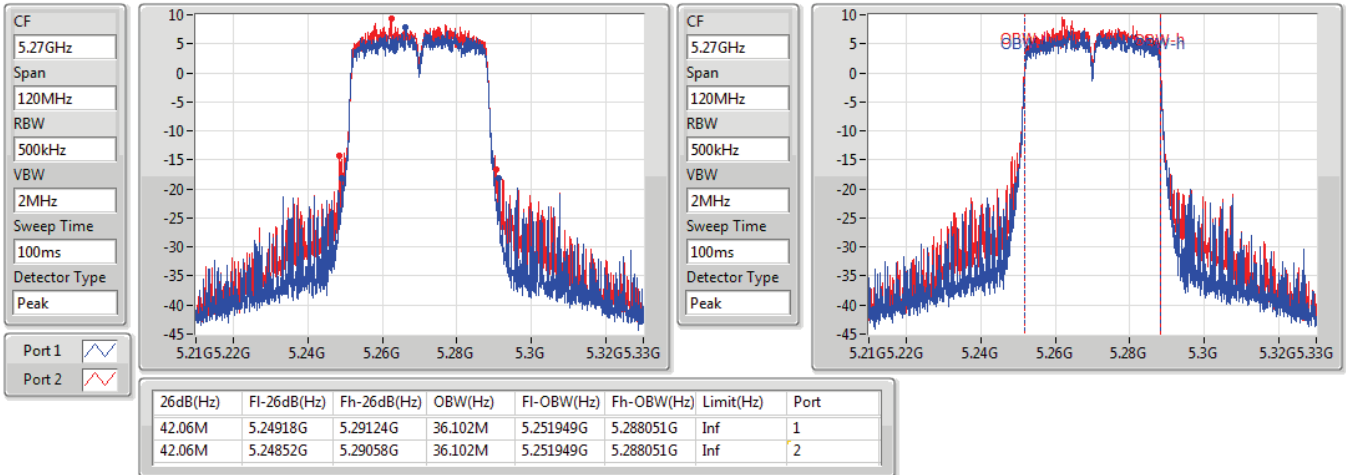

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

09/12/2019

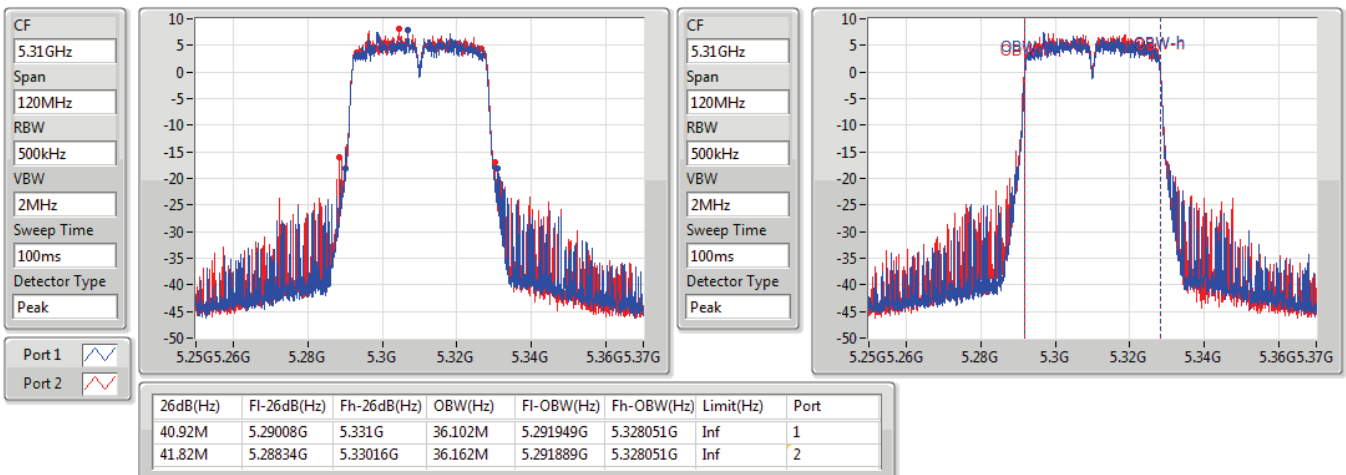


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

09/12/2019

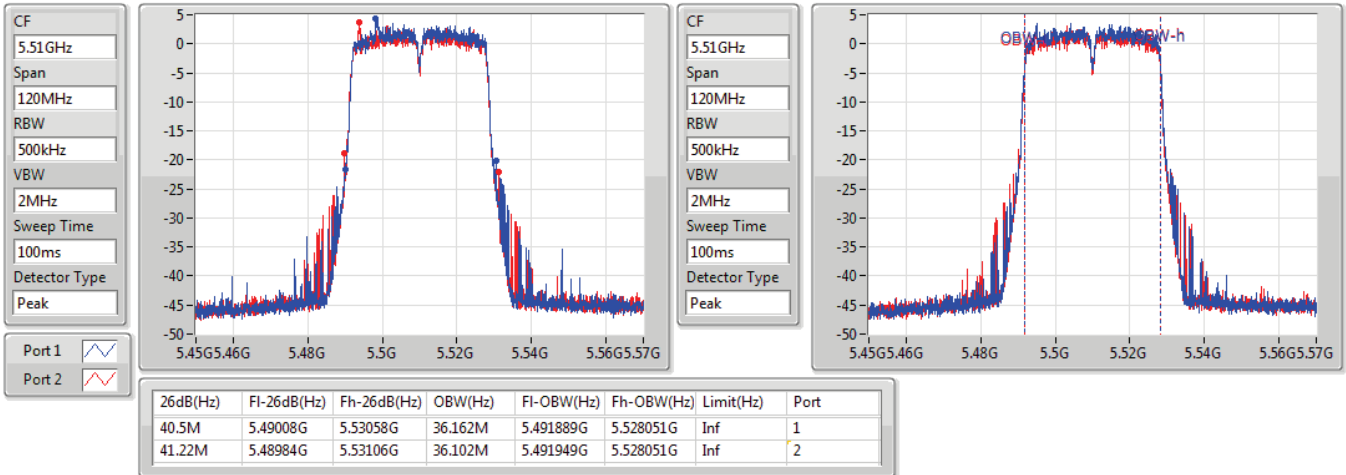

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

09/12/2019

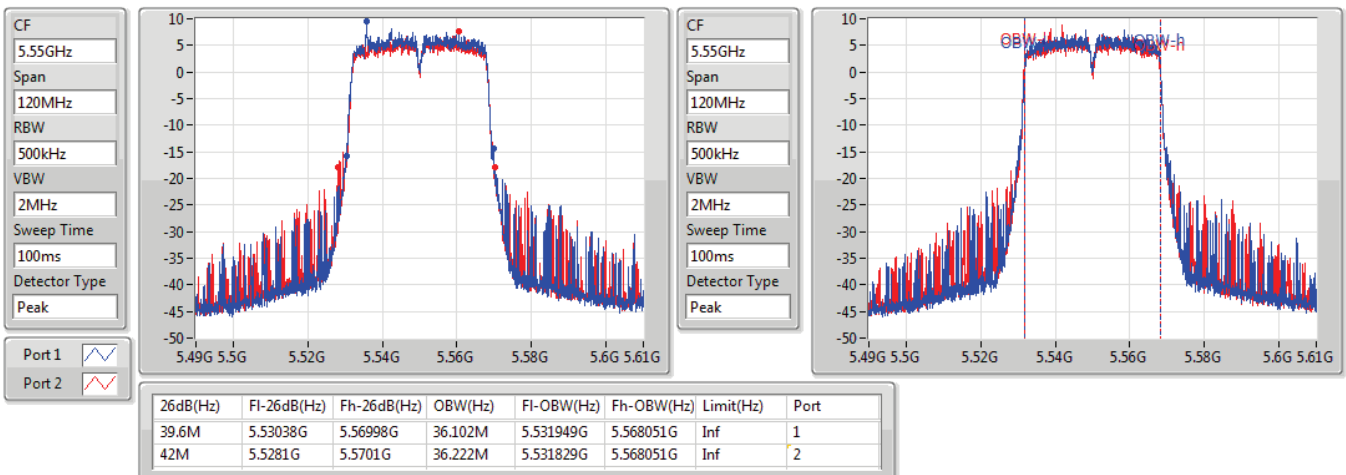


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

09/12/2019

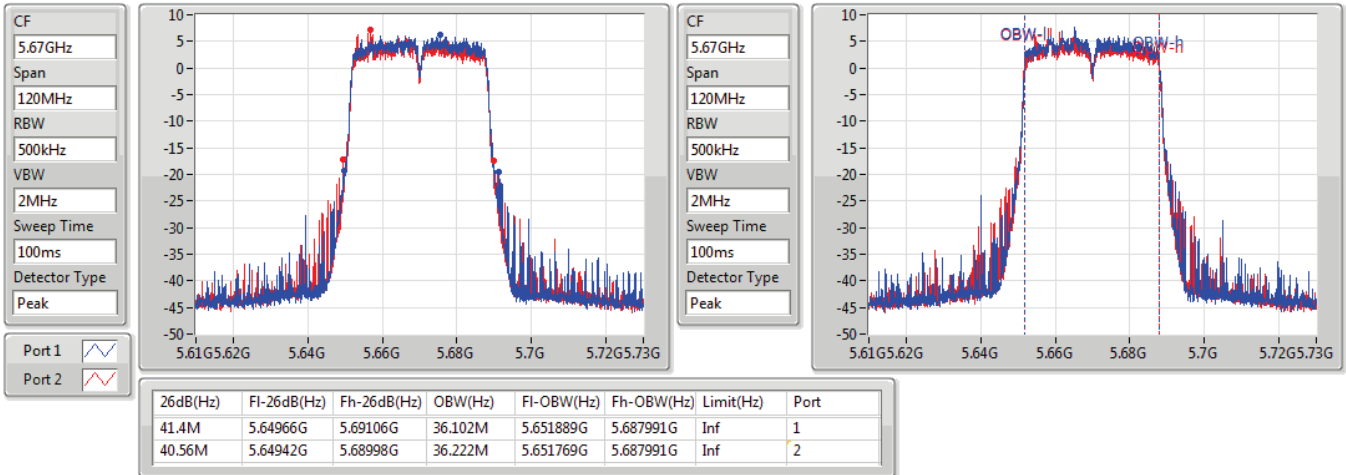

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

09/12/2019

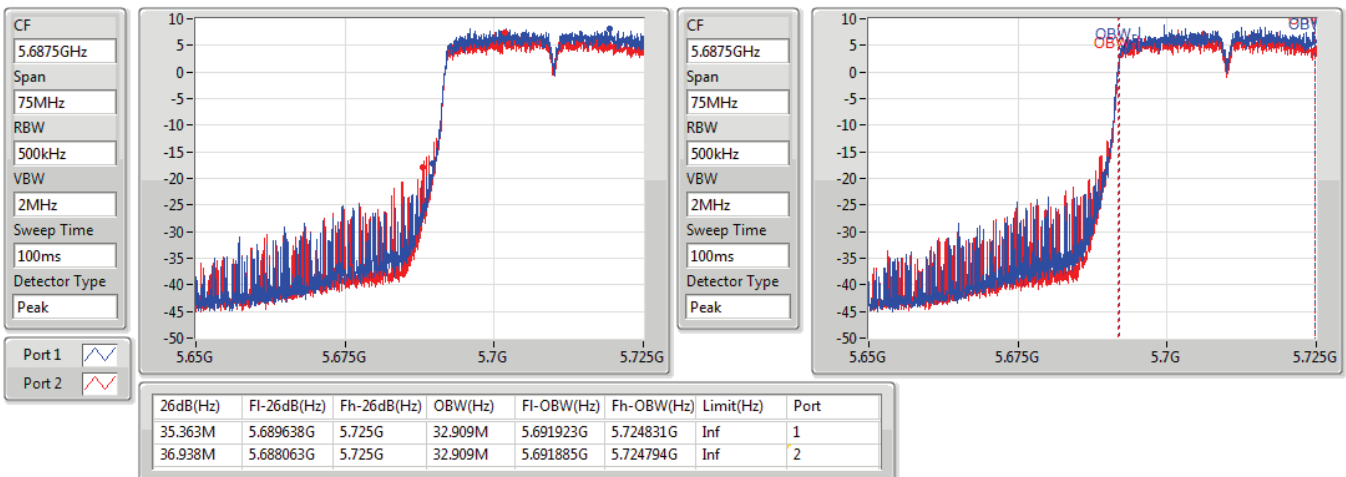


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

09/12/2019

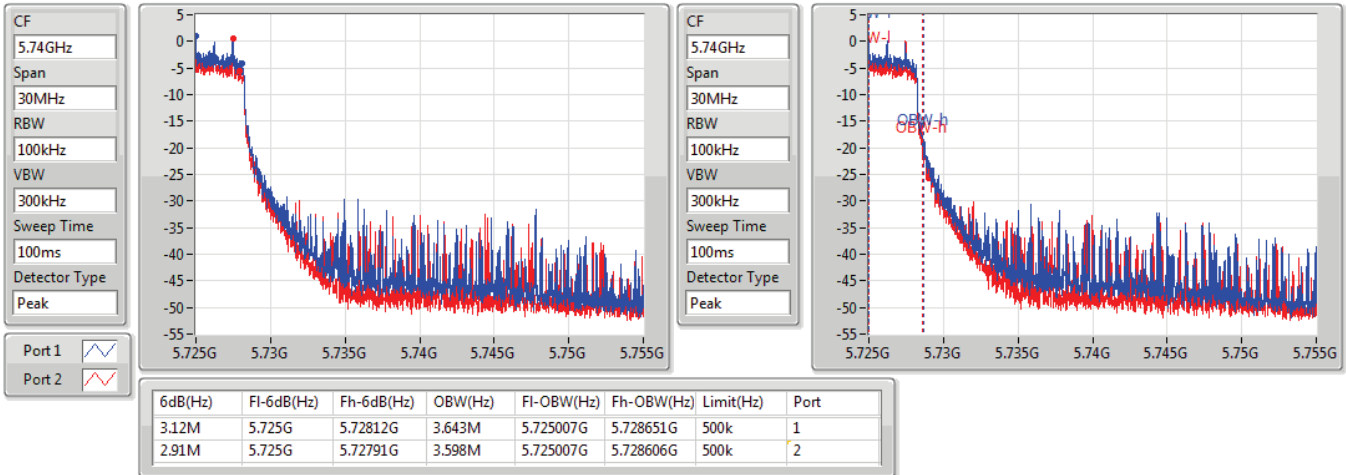

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

09/12/2019

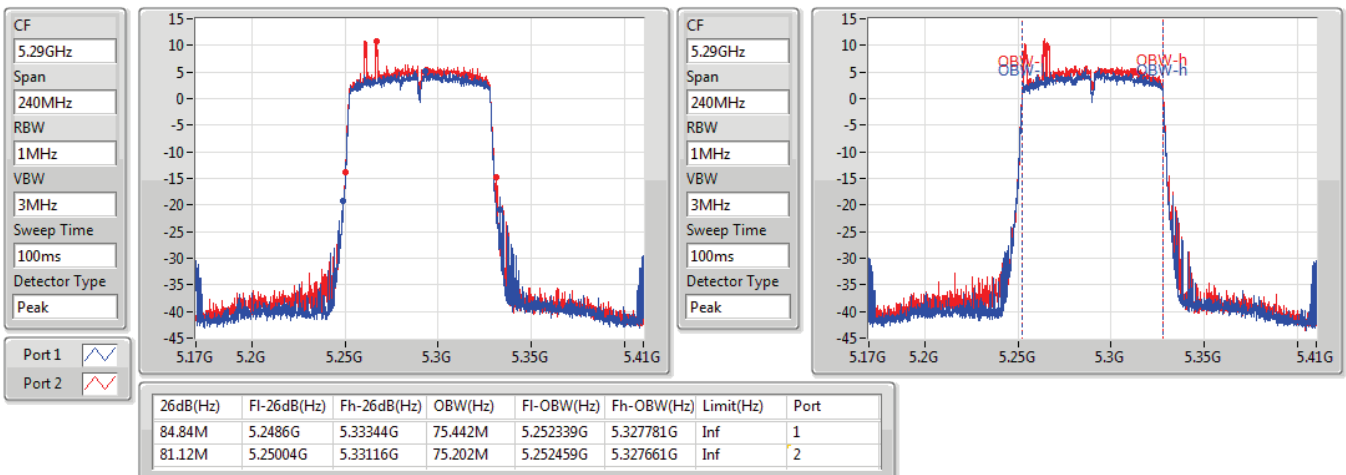


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

09/12/2019

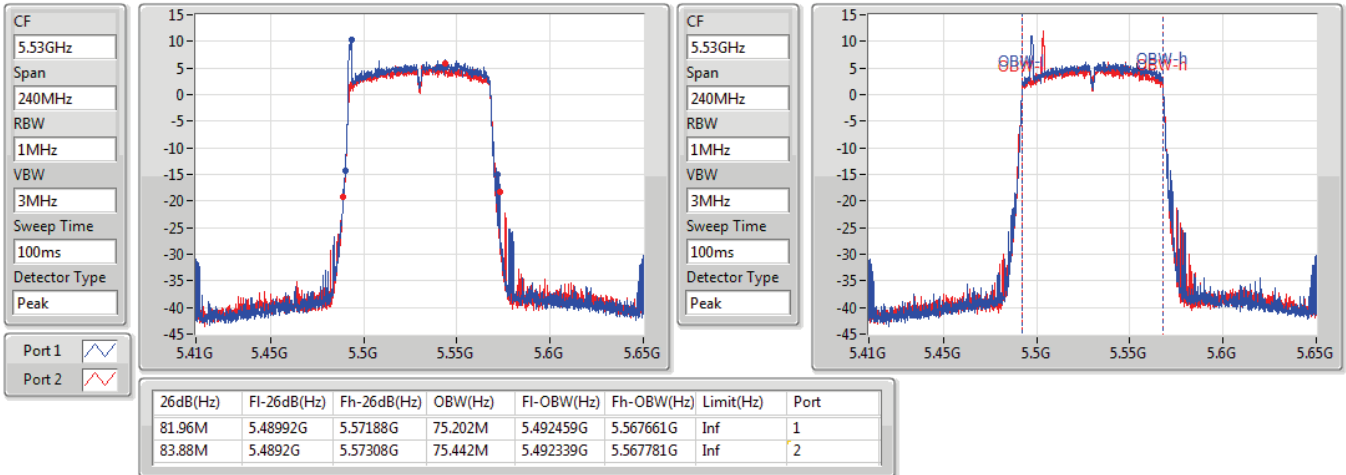

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

09/12/2019

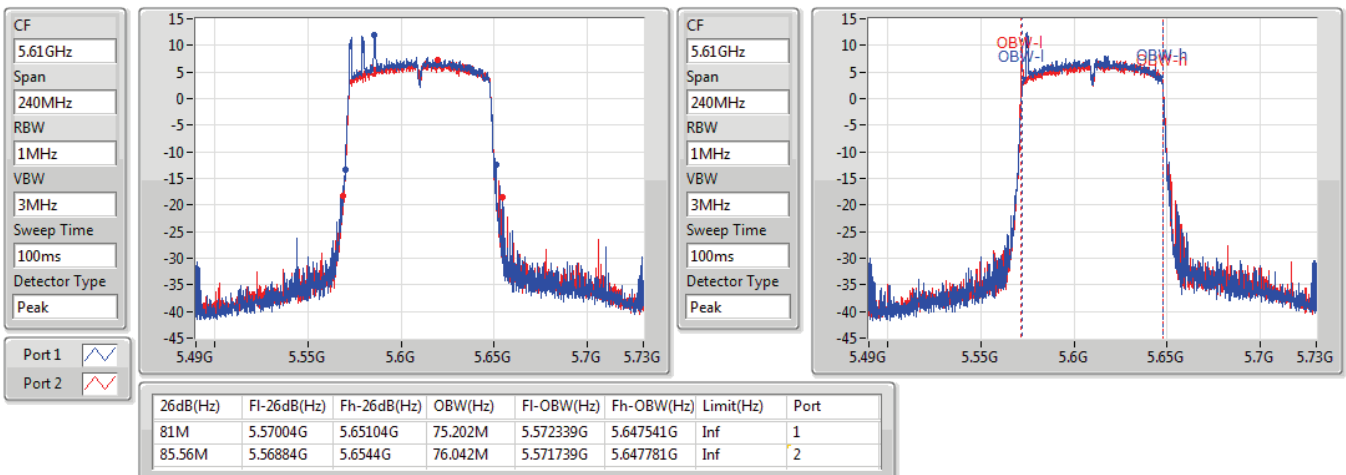


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

09/12/2019

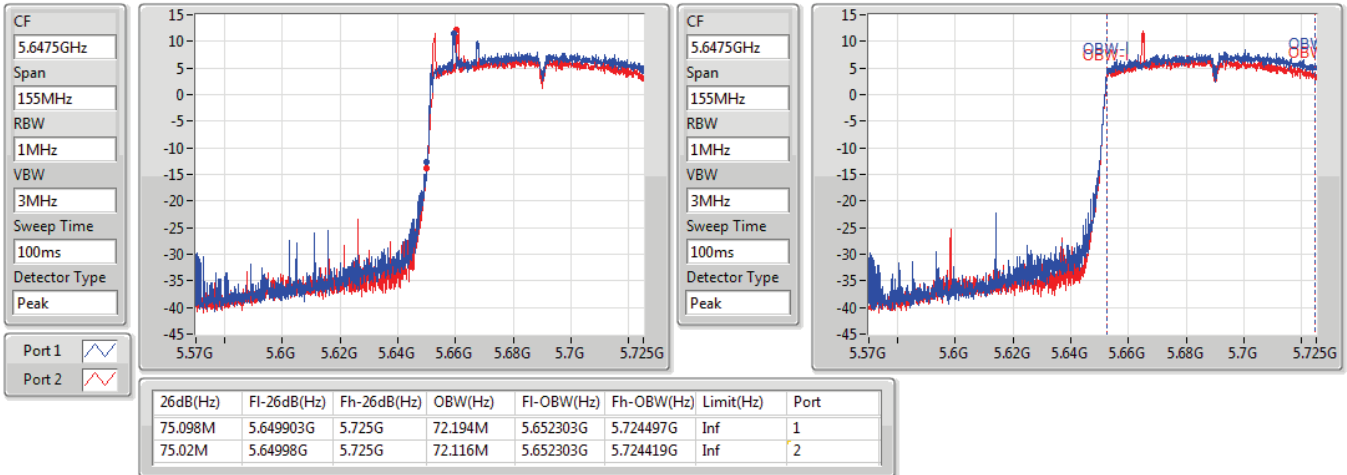

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

09/12/2019

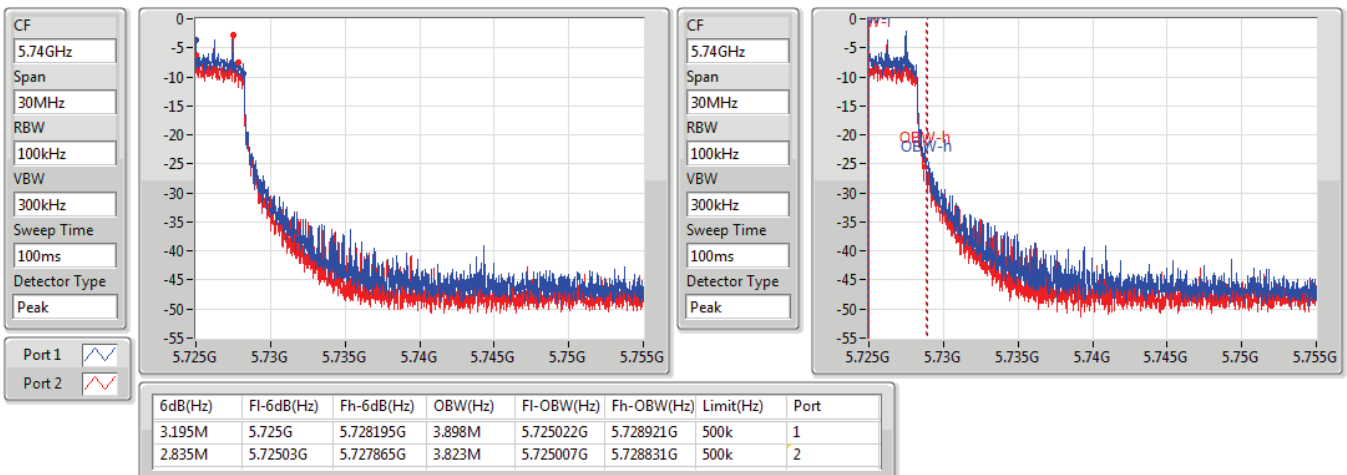


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

09/12/2019


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

09/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.64M	17.601M	17M6D1D	20.34M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.86M	36.102M	36M1D1D	39.66M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.24M	75.322M	75M3D1D	80.28M	75.082M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.52M	17.601M	17M6D1D	20.16M	17.571M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.44M	36.102M	36M1D1D	39.72M	36.042M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.92M	75.322M	75M3D1D	80.16M	75.202M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.49M	17.601M	17M6D1D	15.208M	13.783M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.56M	36.102M	36M1D1D	35.213M	32.909M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.96M	75.922M	75M9D1D	75.098M	72.194M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.58M	17.571M	17M6D1D	15.225M	13.801M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.14M	36.162M	36M2D1D	35.175M	32.909M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.6M	75.922M	75M9D1D	75.408M	72.194M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.75M	4.018M	4M02D1D	3.735M	3.988M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.18M	3.553M	3M55D1D	3.18M	3.508M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.195M	3.853M	3M85D1D	3.18M	3.823M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	3.765M	4.033M	4M03D1D	3.735M	4.018M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.195M	3.538M	3M54D1D	3.165M	3.538M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.195M	3.913M	3M91D1D	3.18M	3.793M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.55M	17.601M	20.37M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.34M	17.571M	20.64M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.37M	17.571M	20.49M	17.571M
5500MHz_TnomVnom	Pass	Inf	20.13M	17.601M	20.37M	17.571M
5580MHz_TnomVnom	Pass	Inf	20.37M	17.601M	20.46M	17.541M
5700MHz_TnomVnom	Pass	Inf	20.49M	17.571M	20.07M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.208M	13.783M	15.26M	13.818M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.75M	3.988M	3.735M	4.018M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	40.86M	36.102M	40.08M	36.042M
5310MHz_TnomVnom	Pass	Inf	40.74M	35.982M	39.66M	36.042M
5510MHz_TnomVnom	Pass	Inf	40.56M	36.102M	40.2M	36.102M
5550MHz_TnomVnom	Pass	Inf	40.26M	35.982M	40.2M	36.102M
5670MHz_TnomVnom	Pass	Inf	40.32M	36.042M	39.96M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.25M	32.909M	35.213M	32.909M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	3.508M	3.18M	3.553M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	80.28M	75.322M	81.24M	75.082M
5530MHz_TnomVnom	Pass	Inf	81.96M	75.922M	81.72M	75.322M
5610MHz_TnomVnom	Pass	Inf	80.04M	75.322M	79.92M	75.322M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.098M	72.194M	75.33M	72.194M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.195M	3.853M	3.18M	3.823M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.16M	17.571M	20.31M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.16M	17.601M	20.52M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.19M	17.571M	20.46M	17.571M
5500MHz_TnomVnom	Pass	Inf	20.43M	17.571M	20.22M	17.571M
5580MHz_TnomVnom	Pass	Inf	20.31M	17.571M	20.46M	17.571M
5700MHz_TnomVnom	Pass	Inf	20.58M	17.571M	20.31M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.225M	13.818M	15.33M	13.801M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.765M	4.018M	3.735M	4.033M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	40.44M	36.042M	39.84M	36.042M
5310MHz_TnomVnom	Pass	Inf	39.72M	36.042M	39.72M	36.102M
5510MHz_TnomVnom	Pass	Inf	39.84M	35.982M	39.84M	36.042M
5550MHz_TnomVnom	Pass	Inf	40.14M	36.102M	39.3M	36.102M
5670MHz_TnomVnom	Pass	Inf	39.84M	36.162M	39.12M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.175M	32.946M	35.925M	32.909M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.195M	3.538M	3.165M	3.538M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	80.16M	75.202M	82.92M	75.322M
5530MHz_TnomVnom	Pass	Inf	80.64M	75.322M	81.6M	75.322M
5610MHz_TnomVnom	Pass	Inf	79.92M	75.922M	79.32M	75.322M



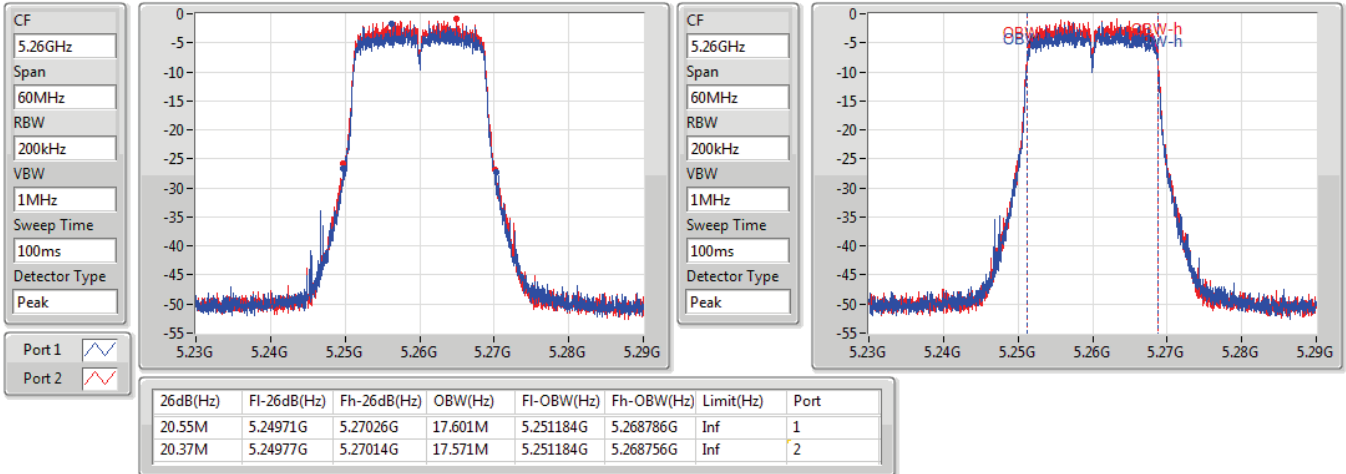
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.95M	72.194M	75.408M	72.659M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.195M	3.793M	3.18M	3.913M

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

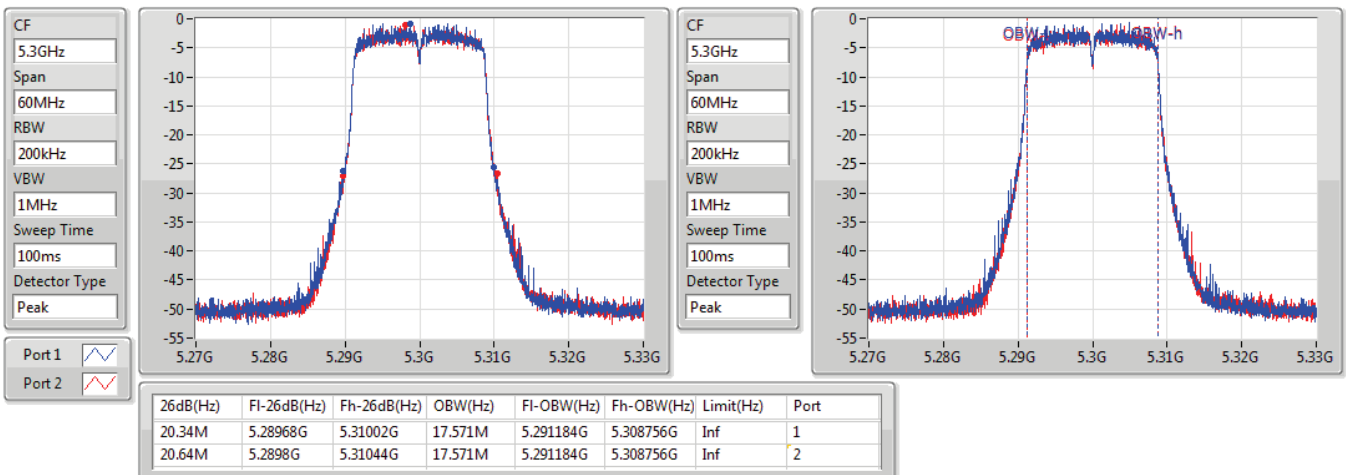
Port X-OBW = Port X 99% occupied bandwidth;

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

08/12/2019

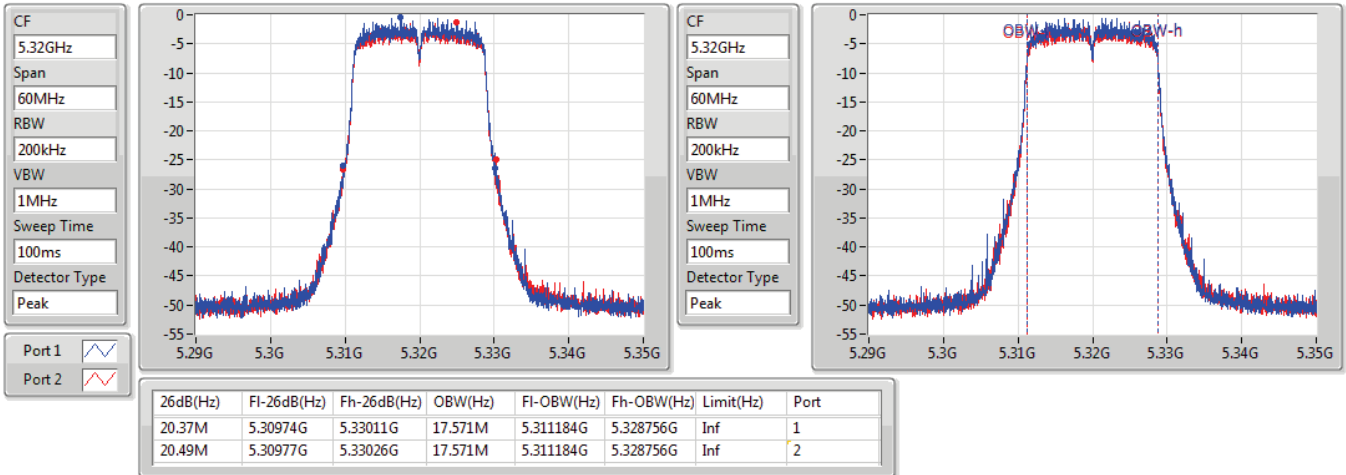

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

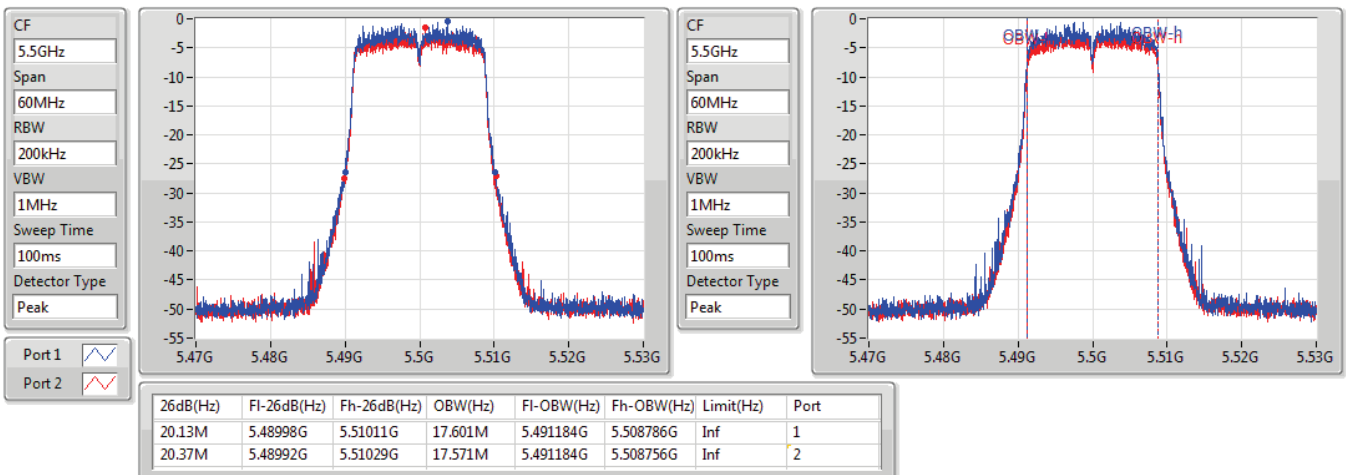


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

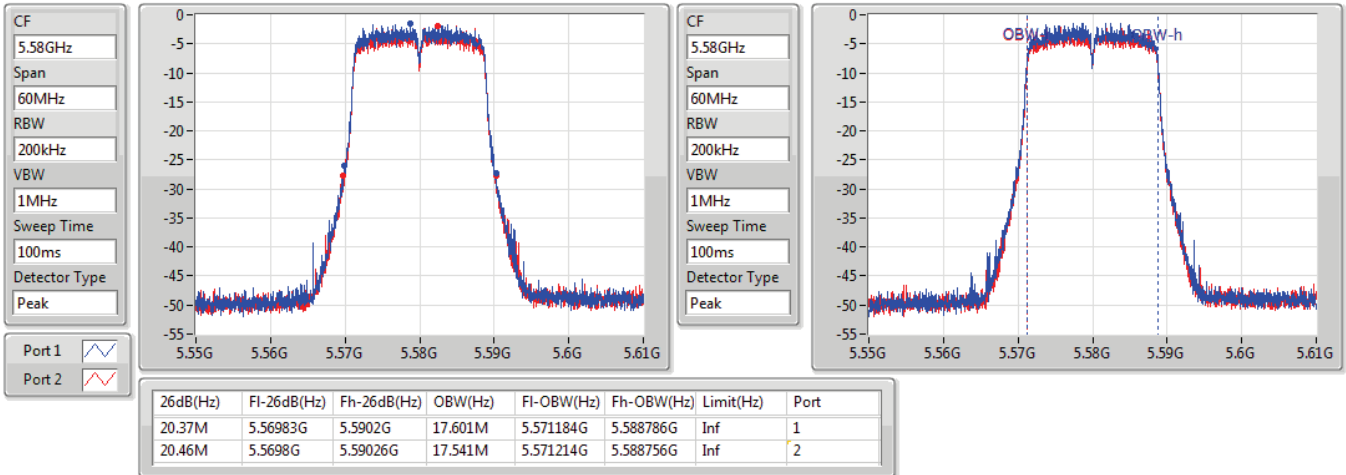

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

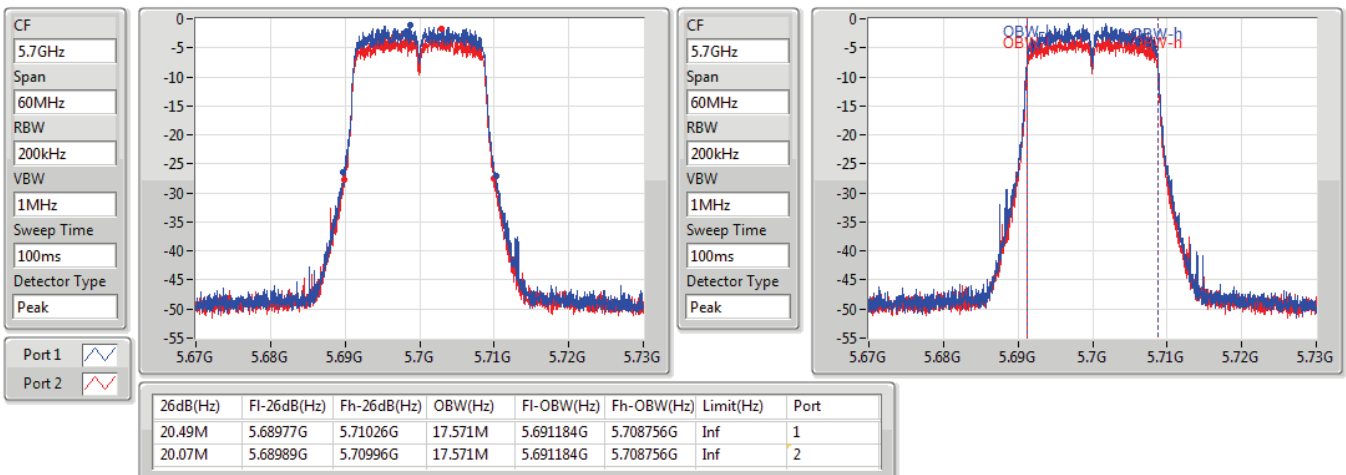


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

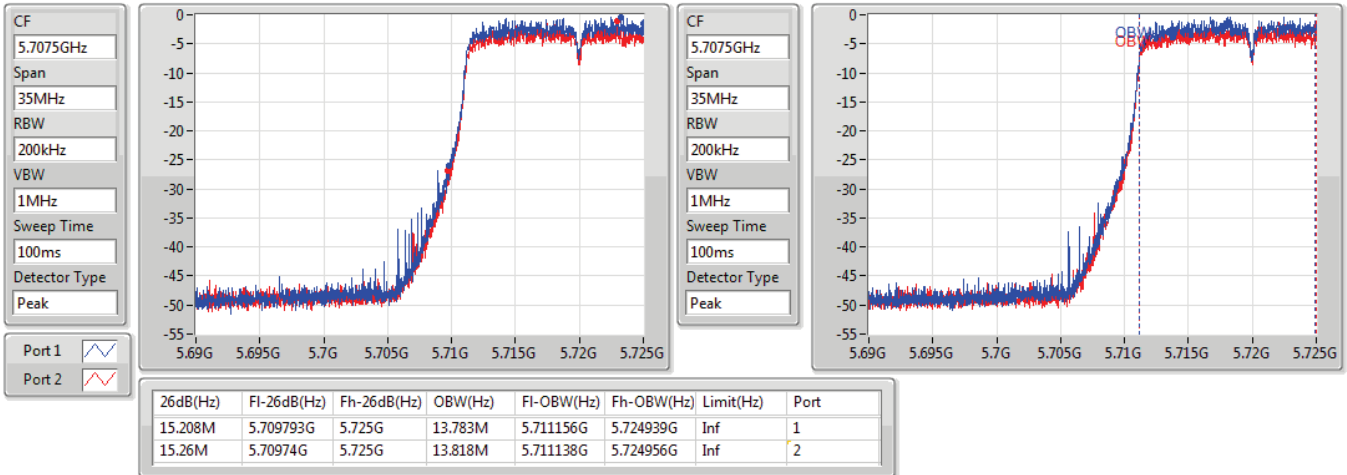

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

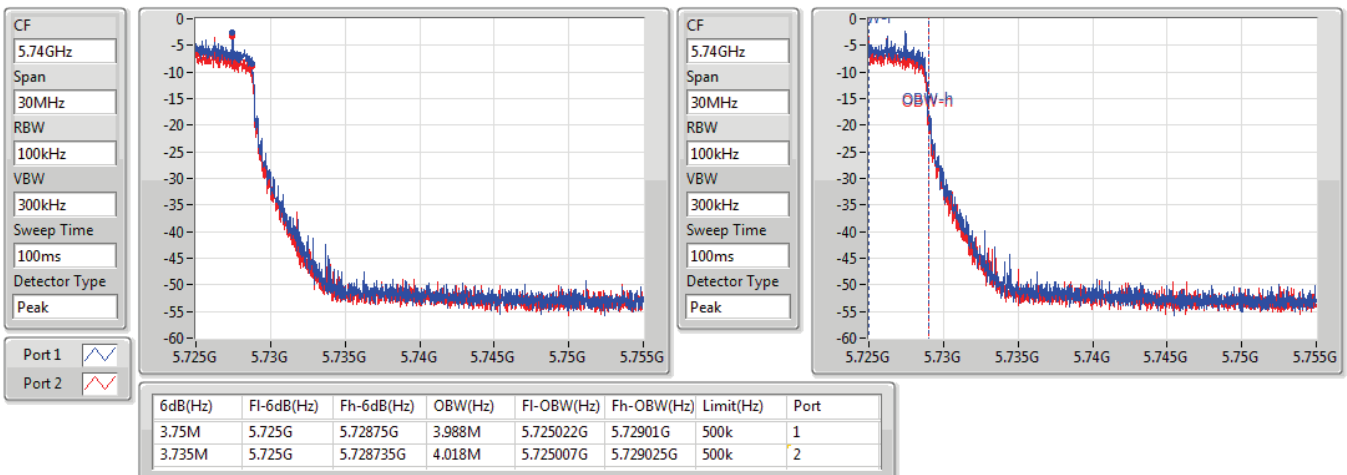


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

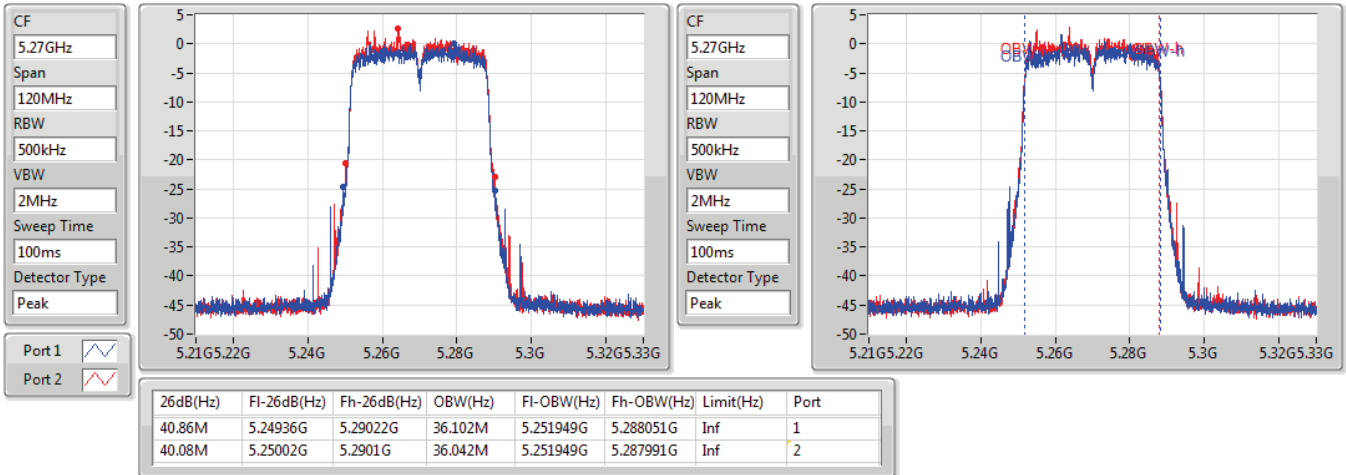

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

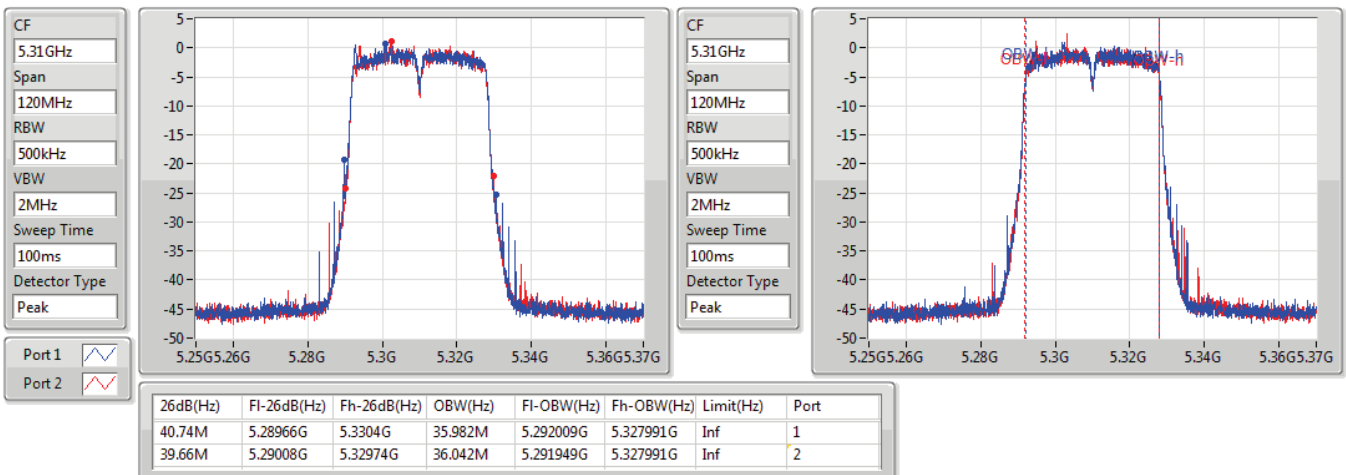


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

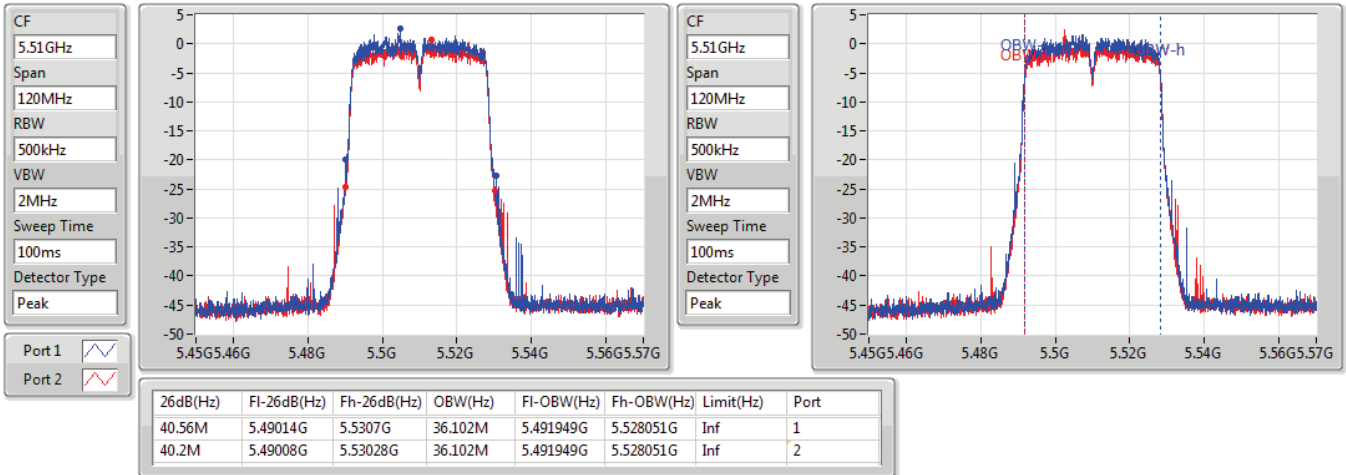

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

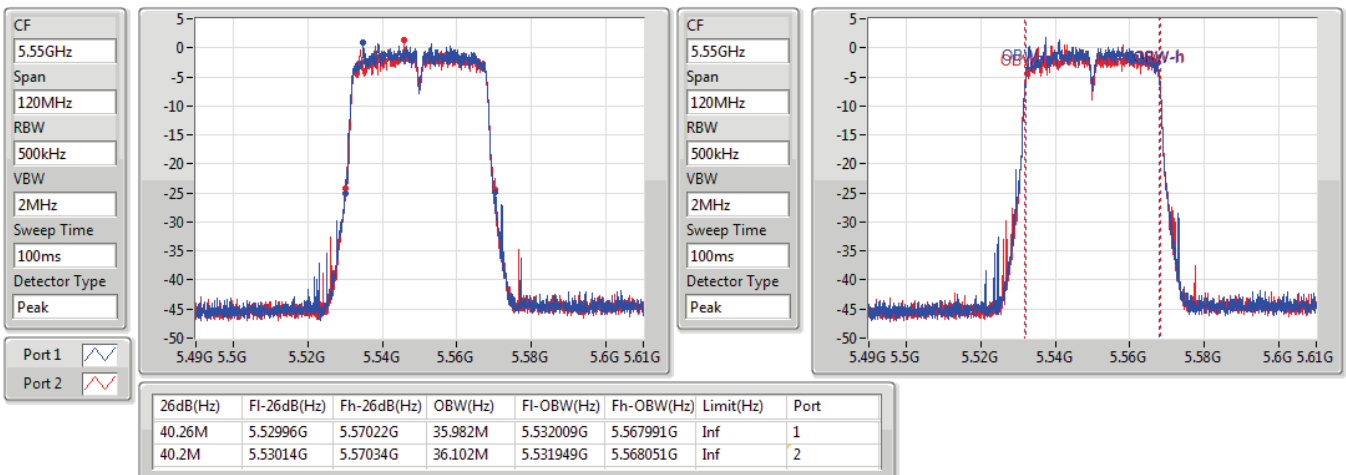


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

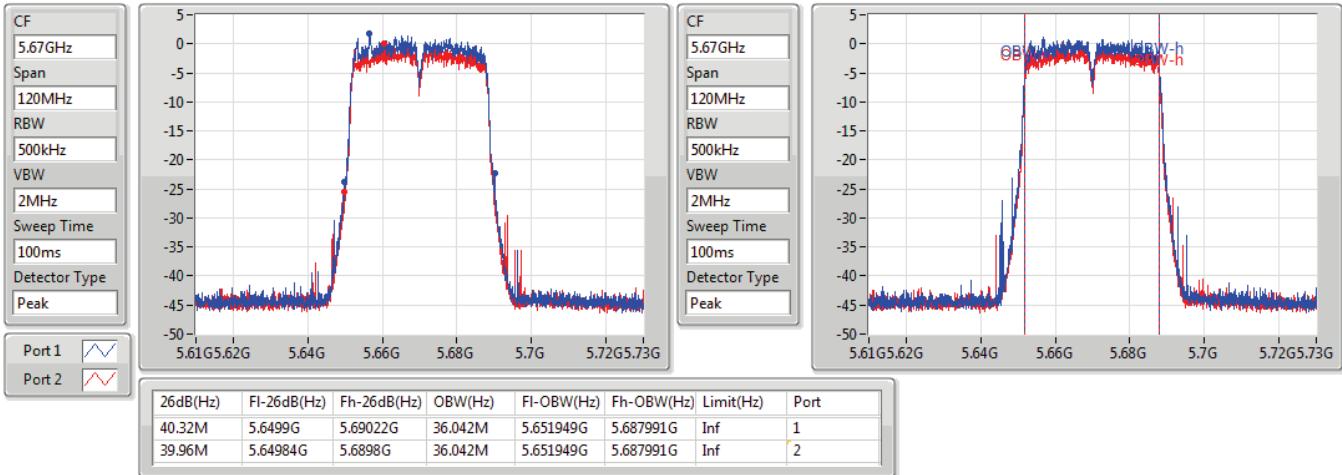

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

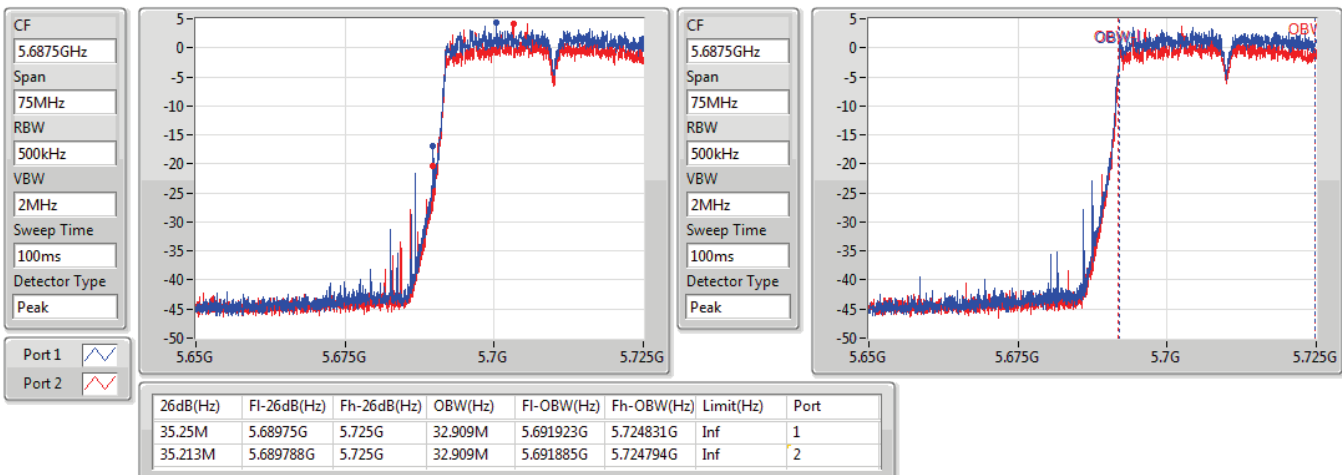


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

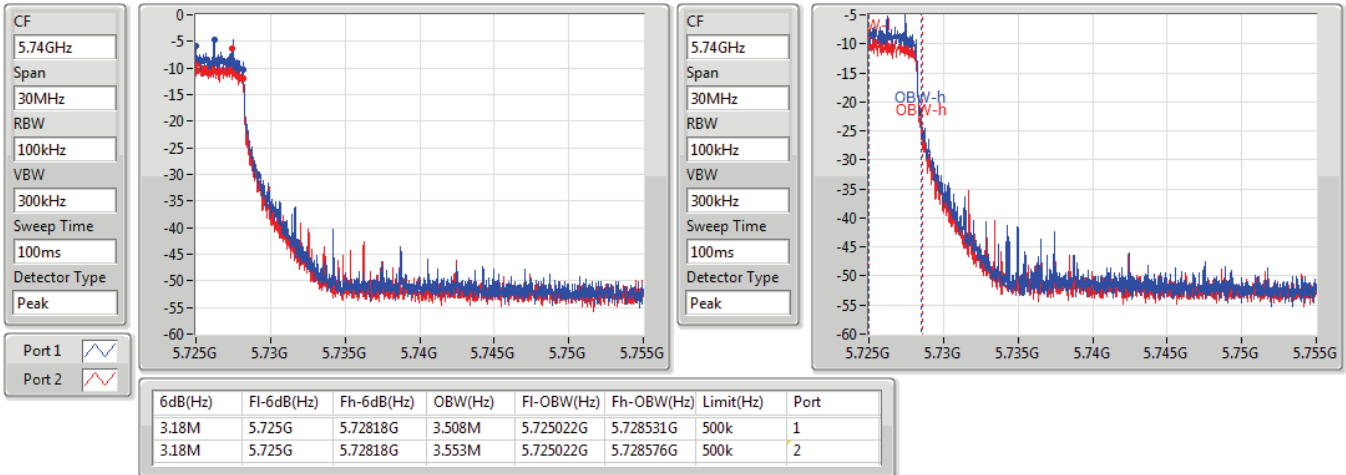

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

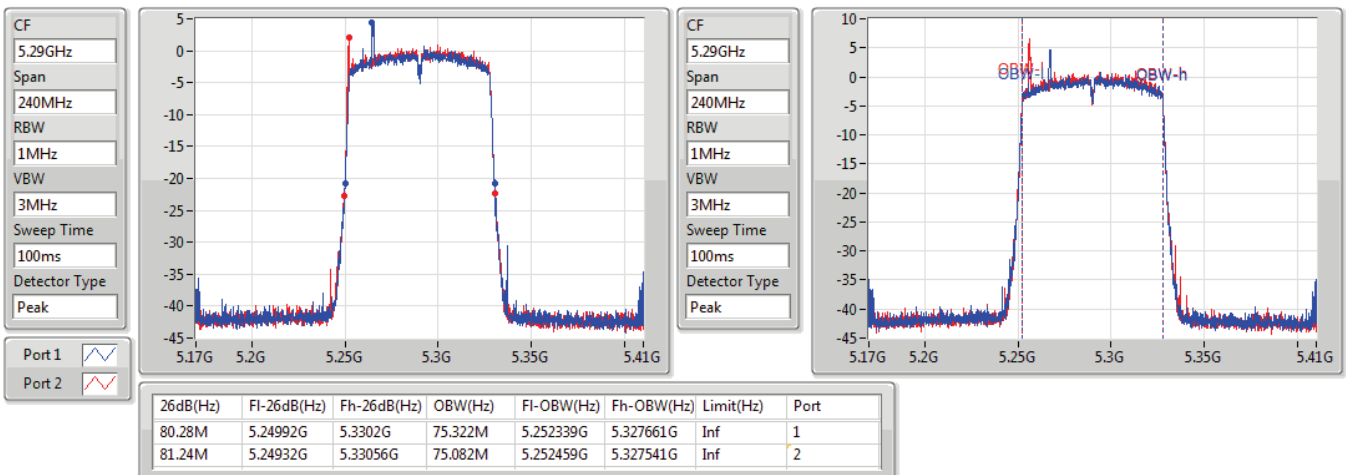


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

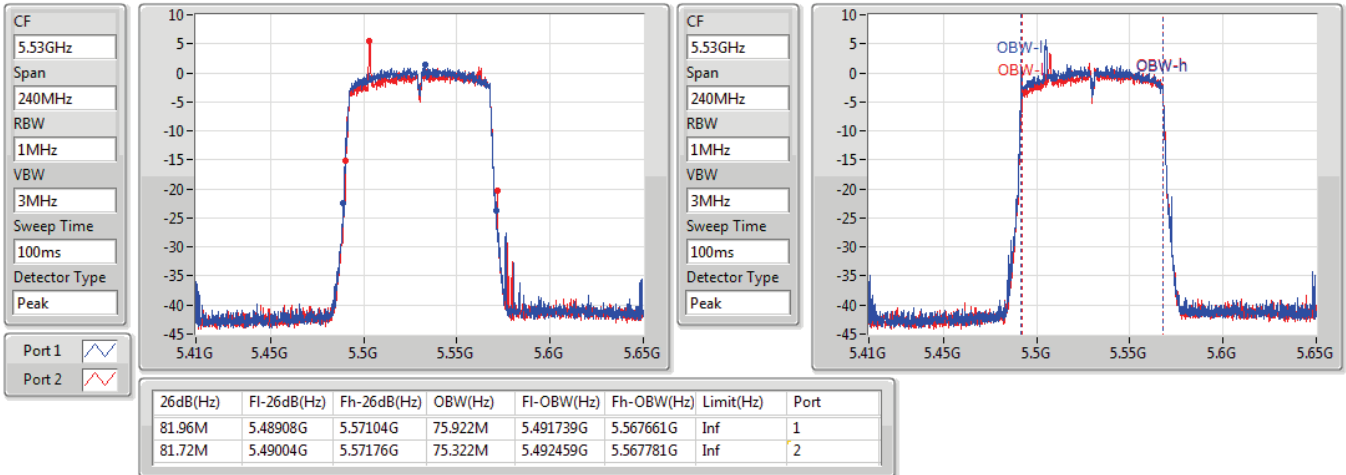

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

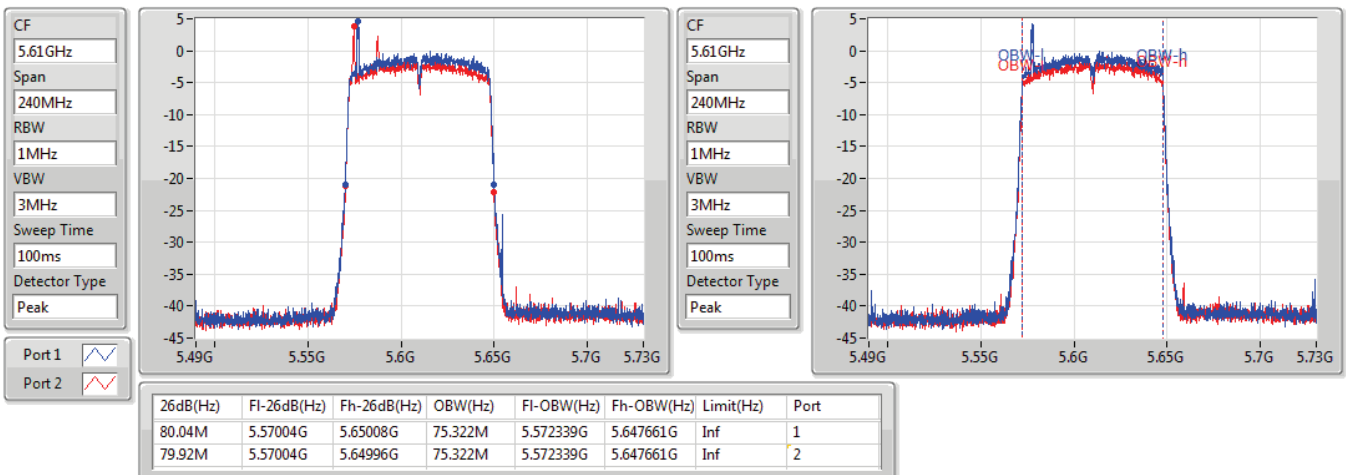


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

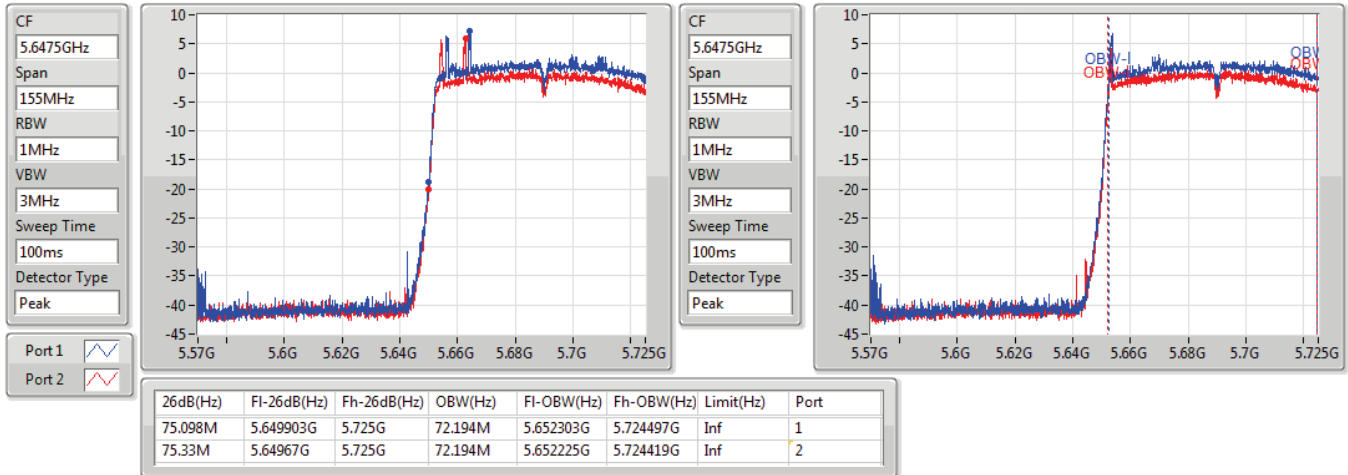

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

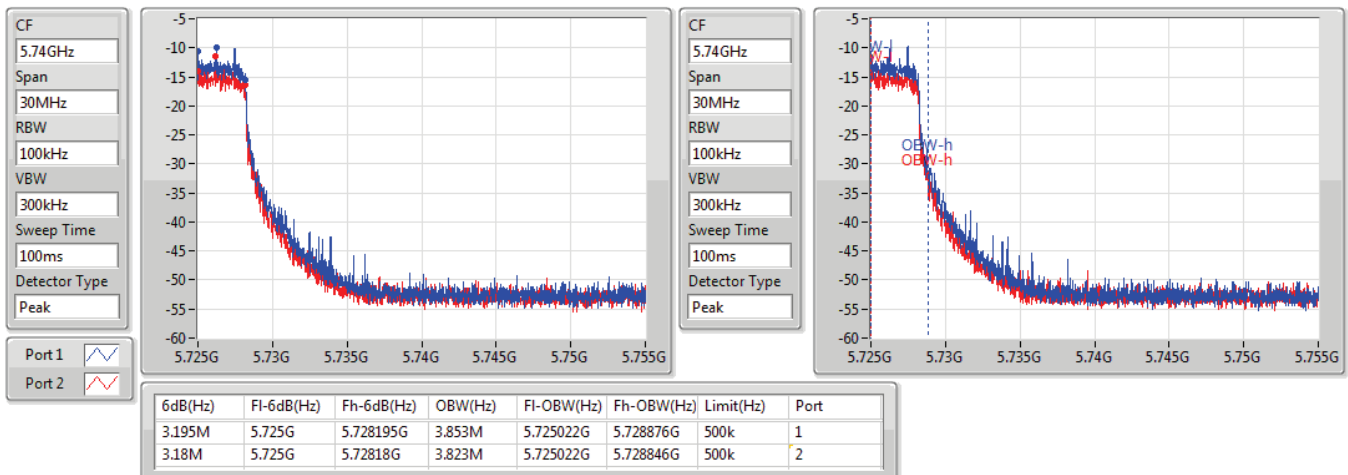


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019

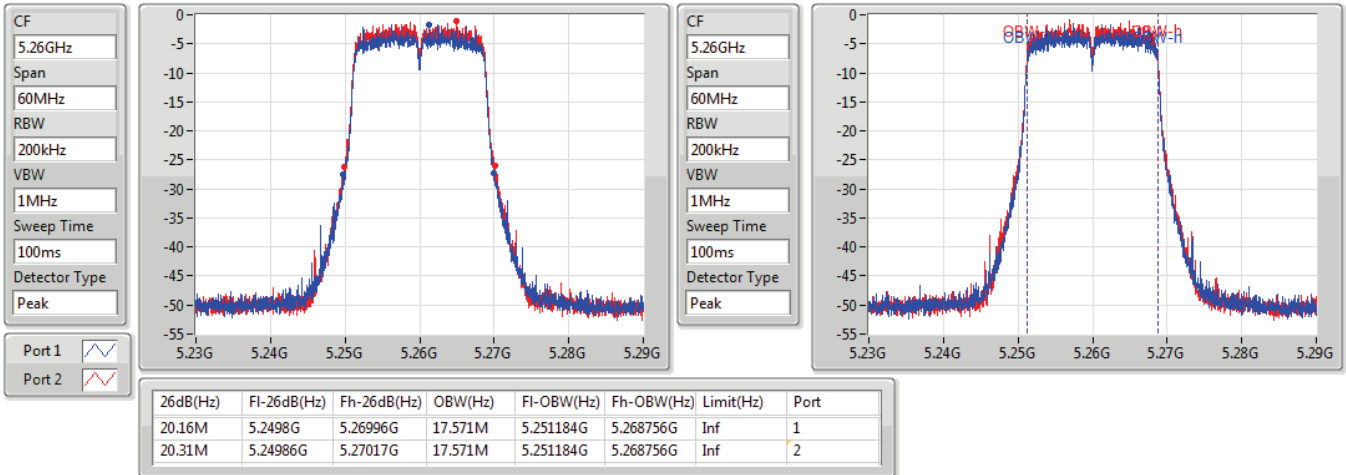

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019

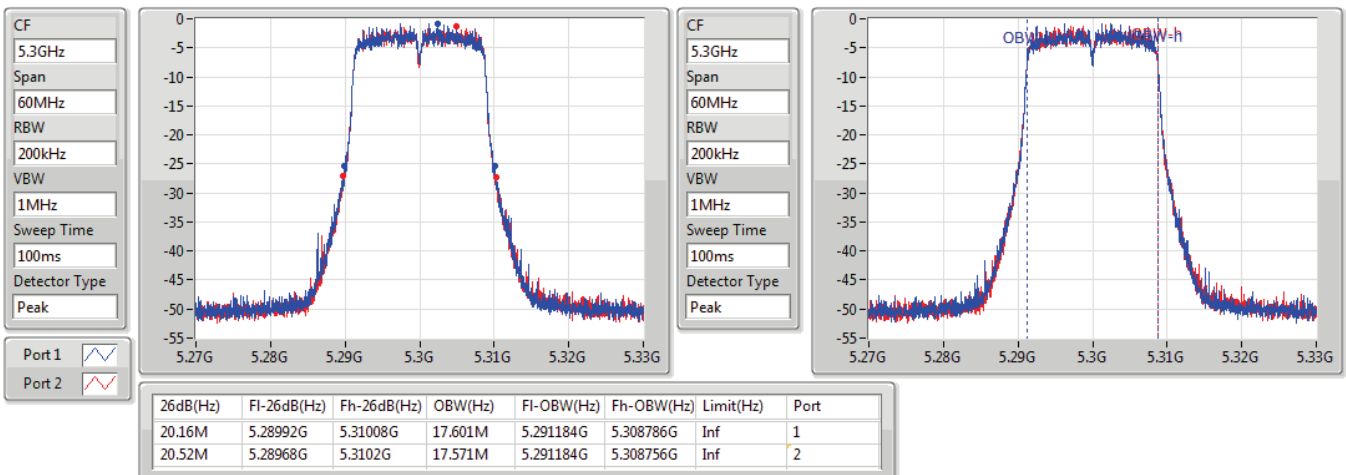


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

08/12/2019

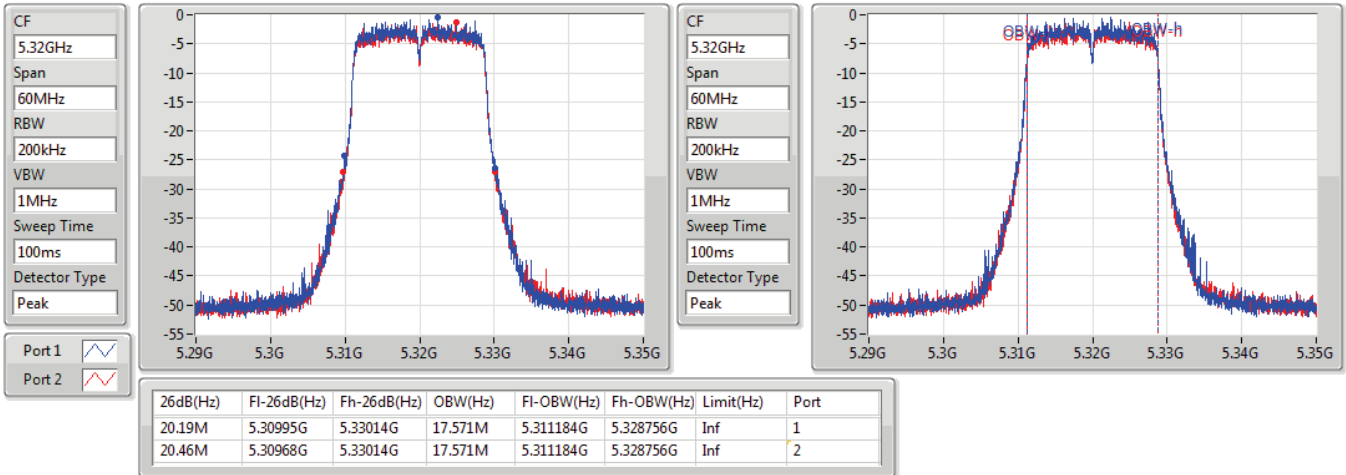

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

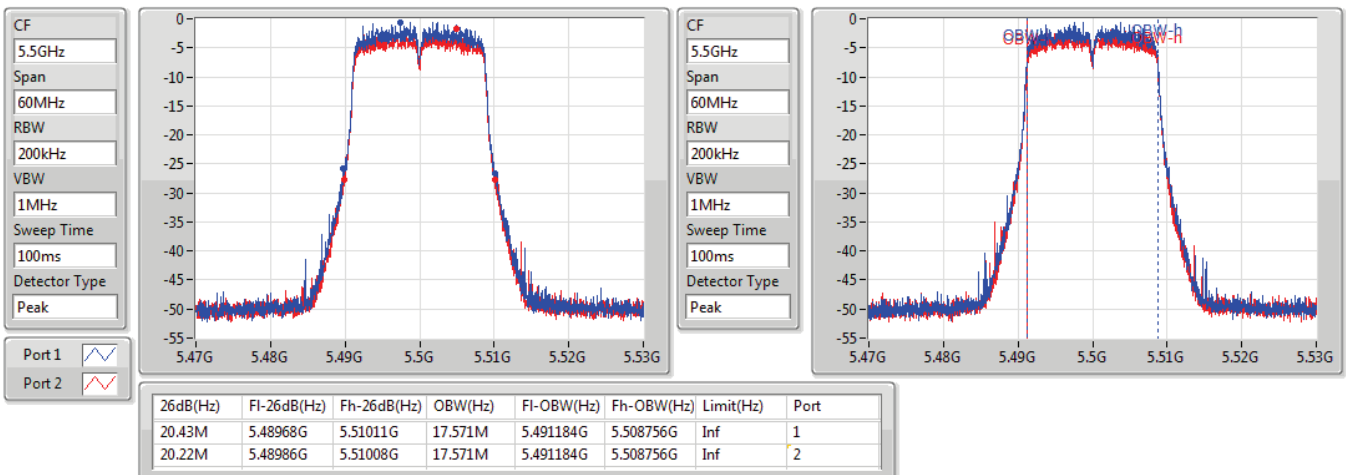


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

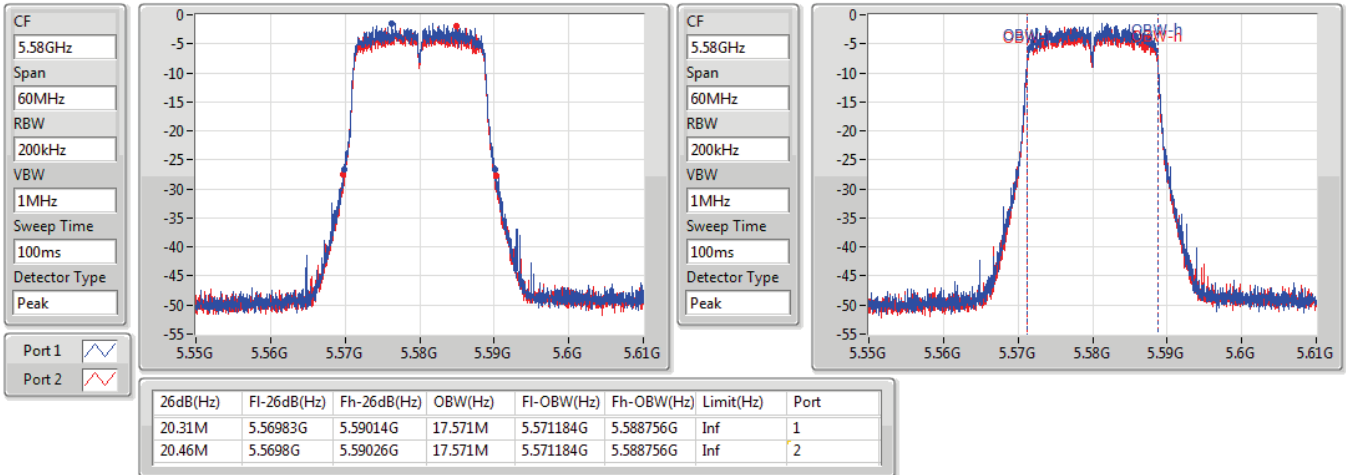

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

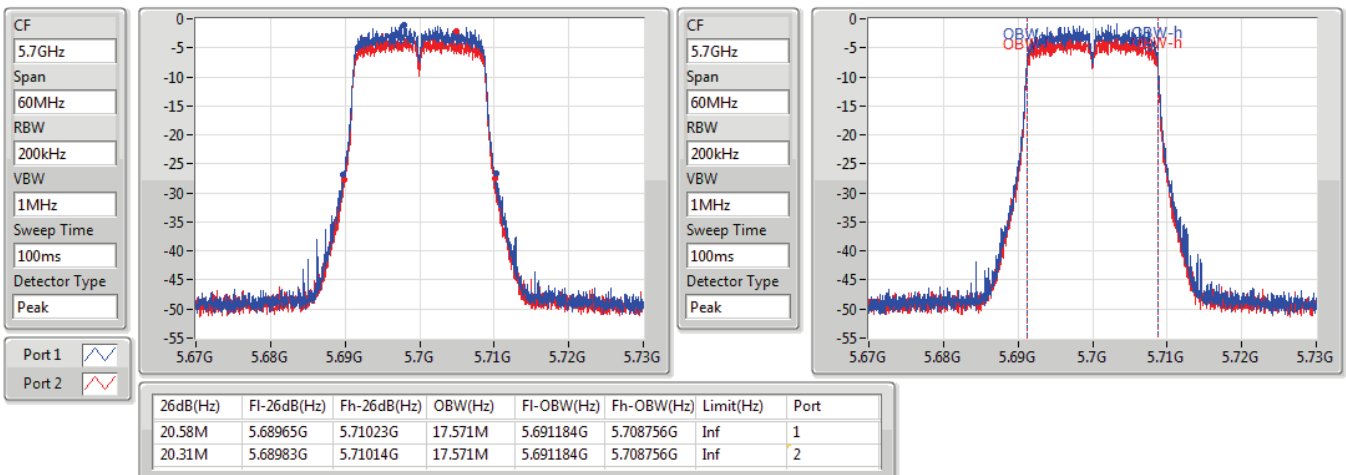


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

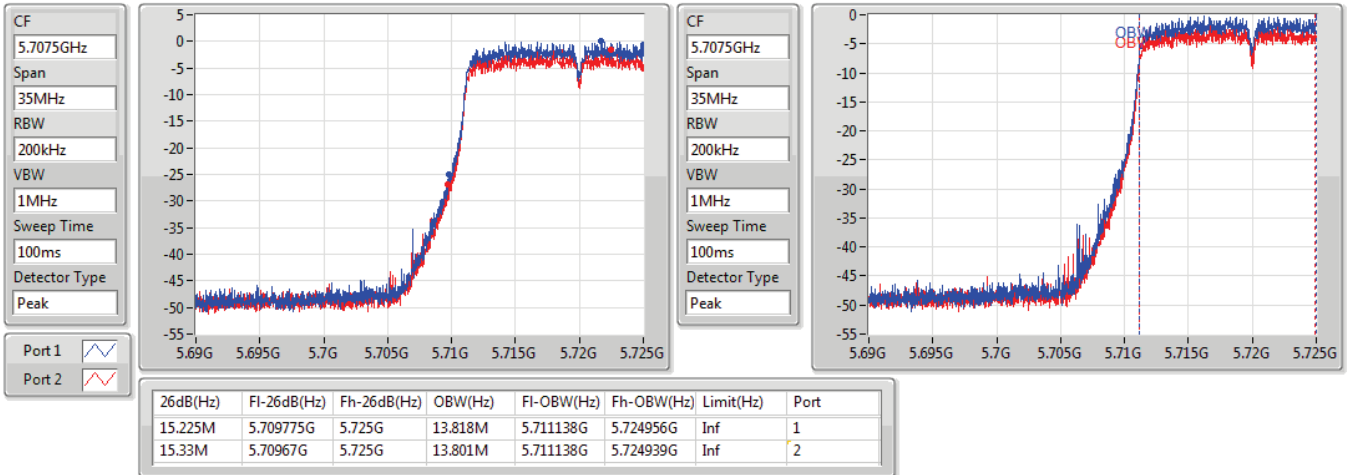

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

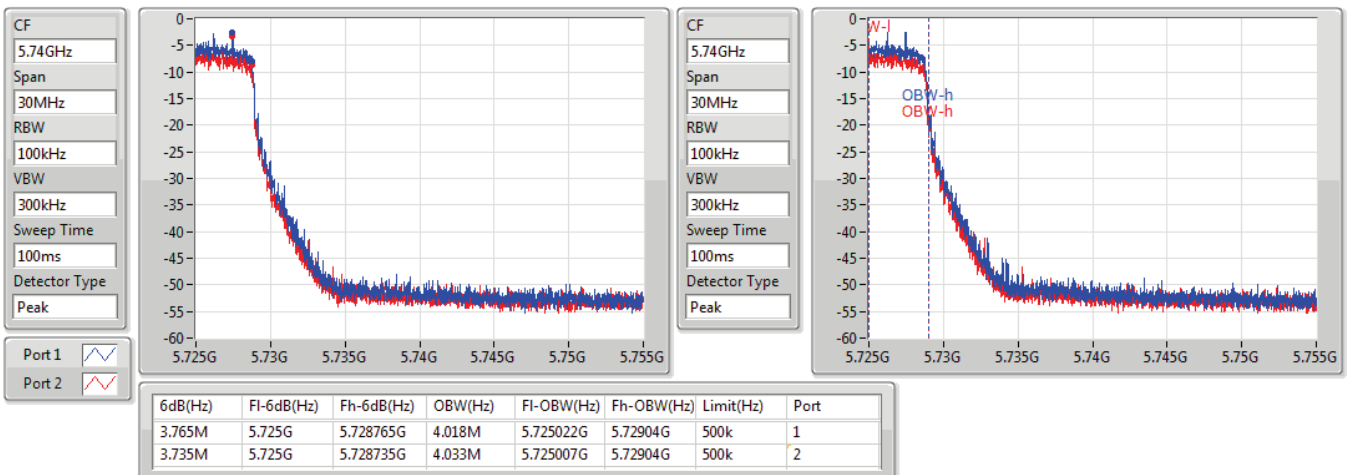


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

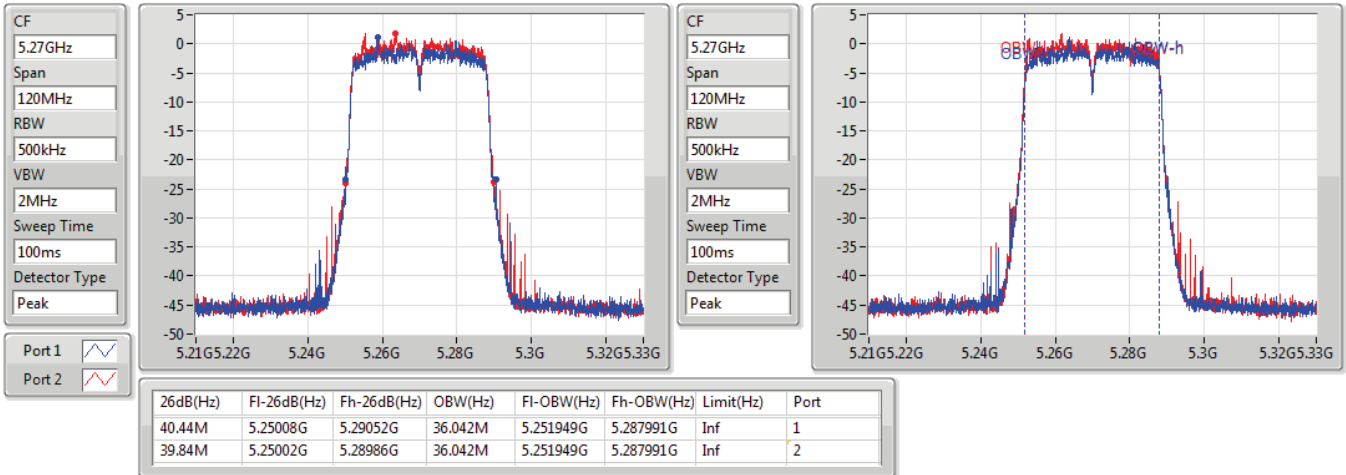

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

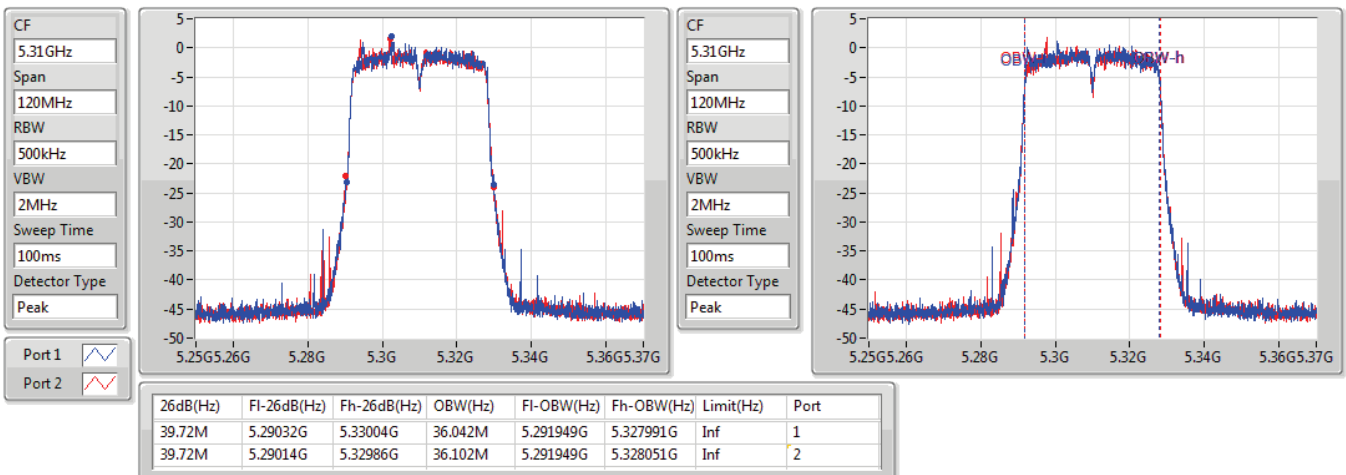


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

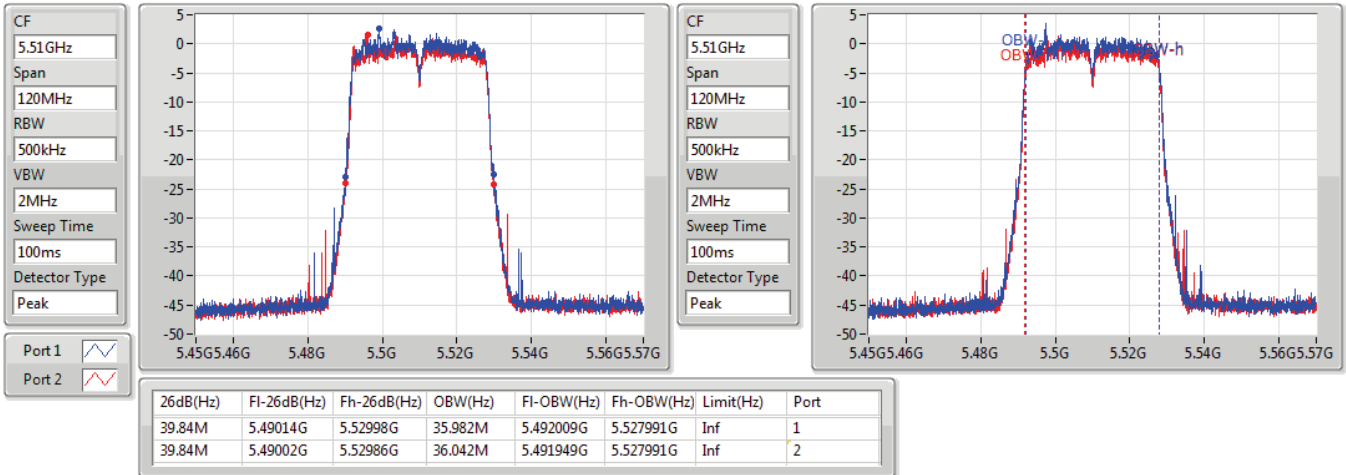

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

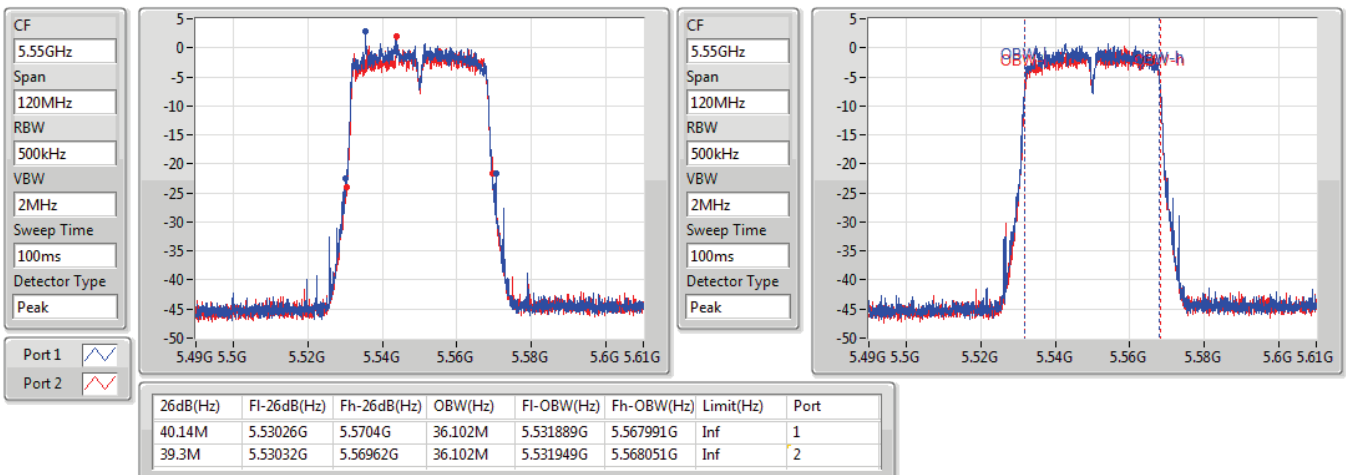


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

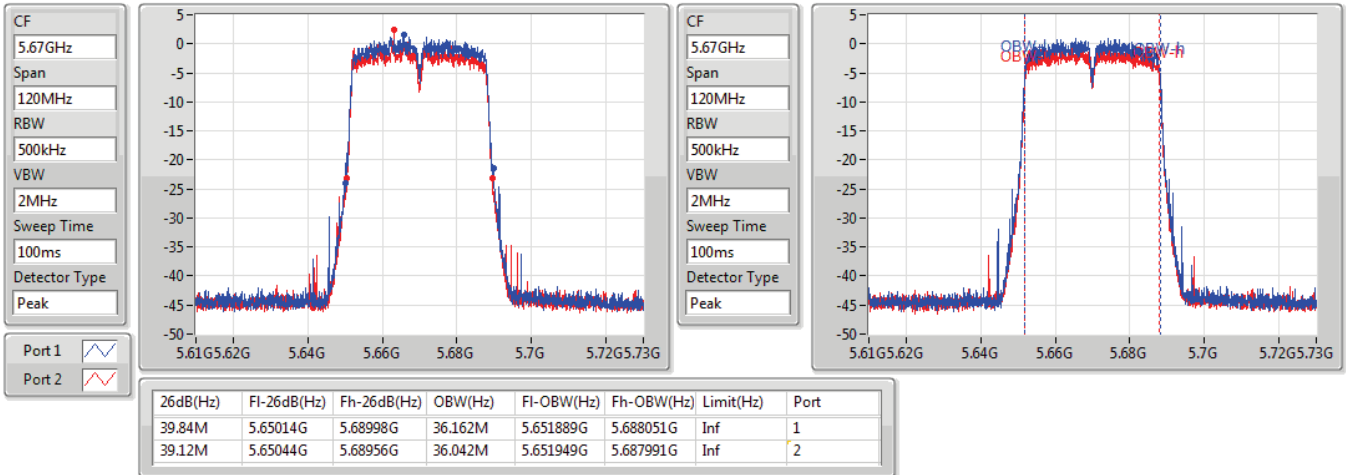

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

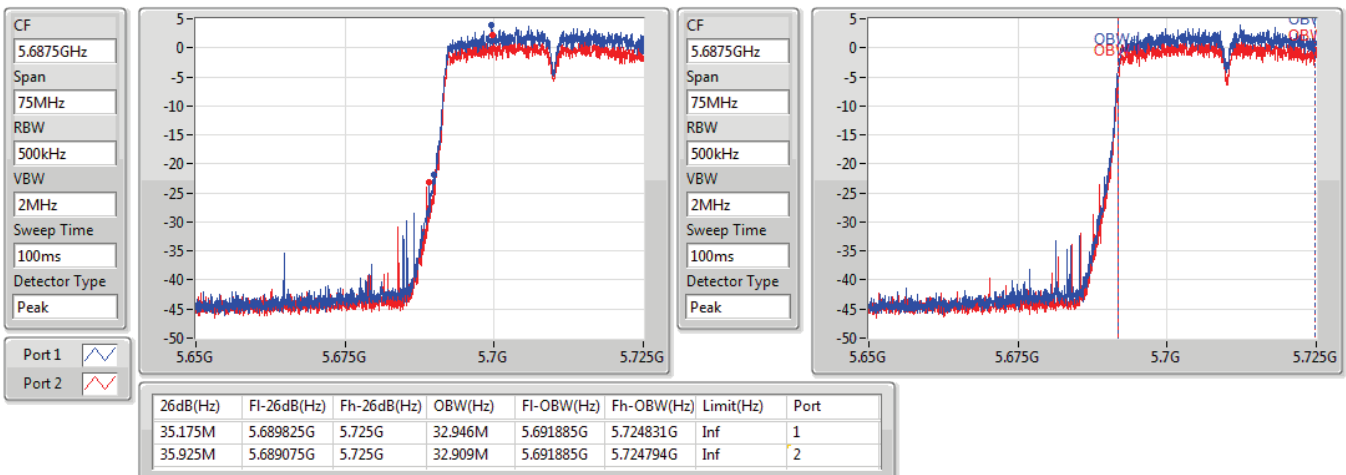


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

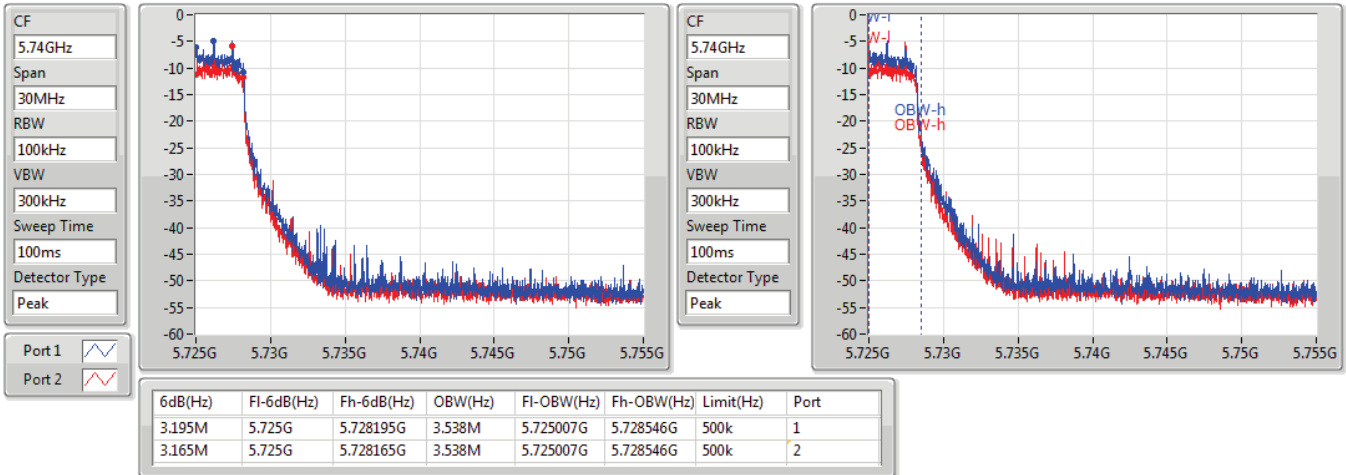

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

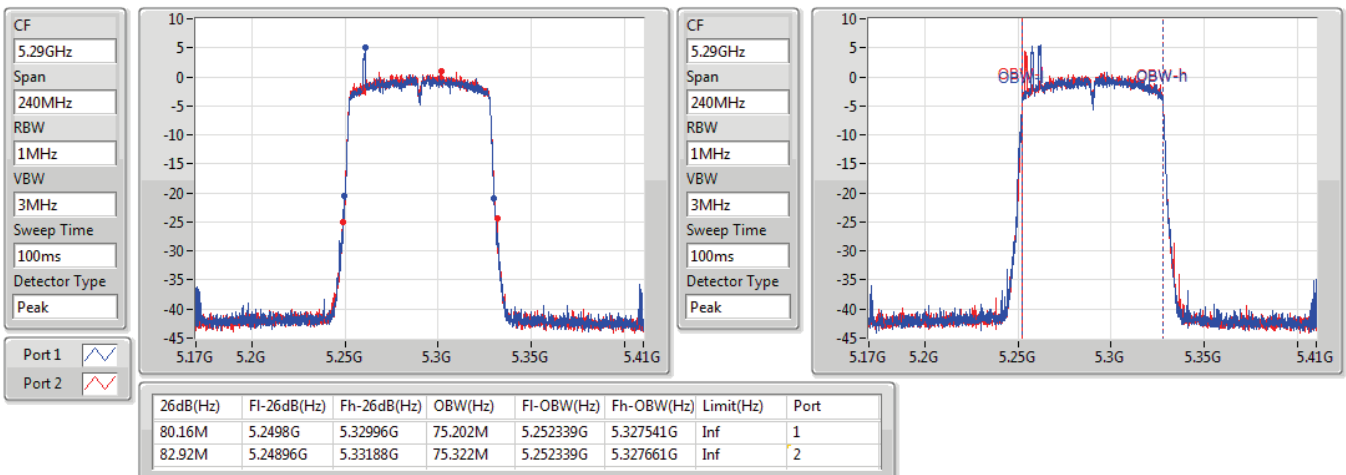


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

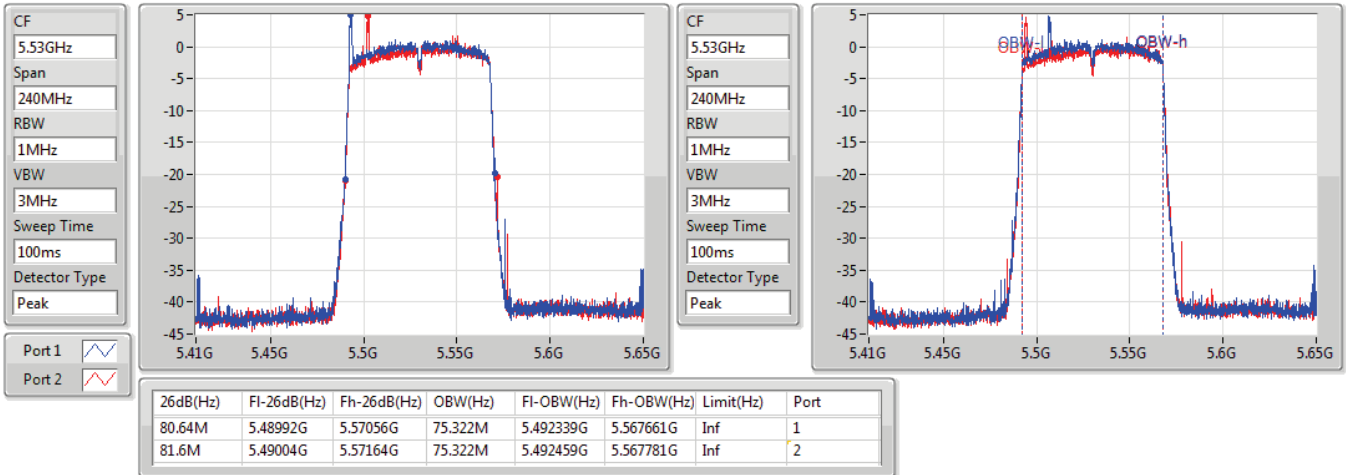

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

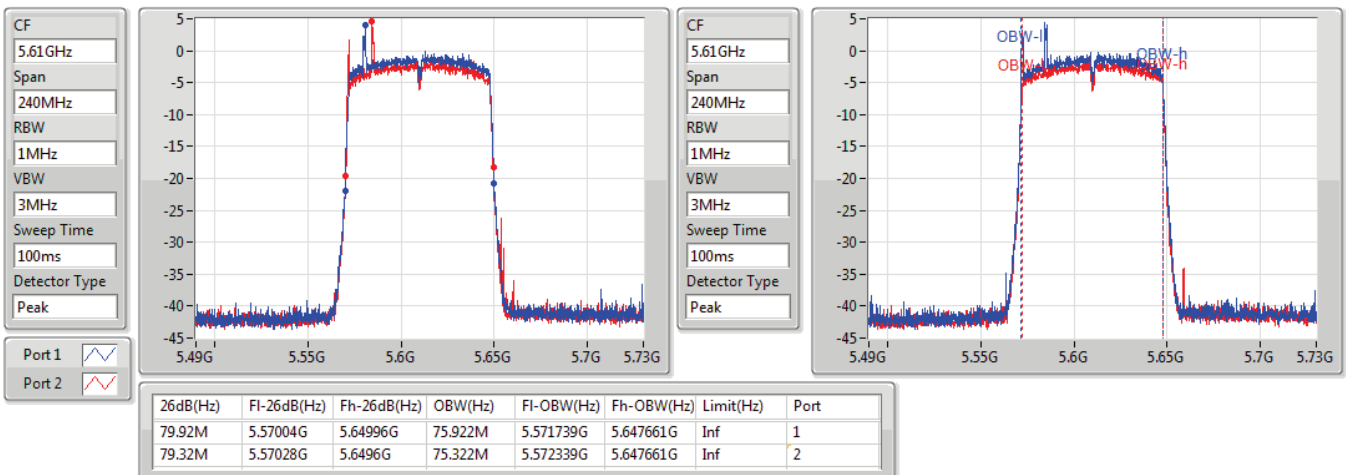


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

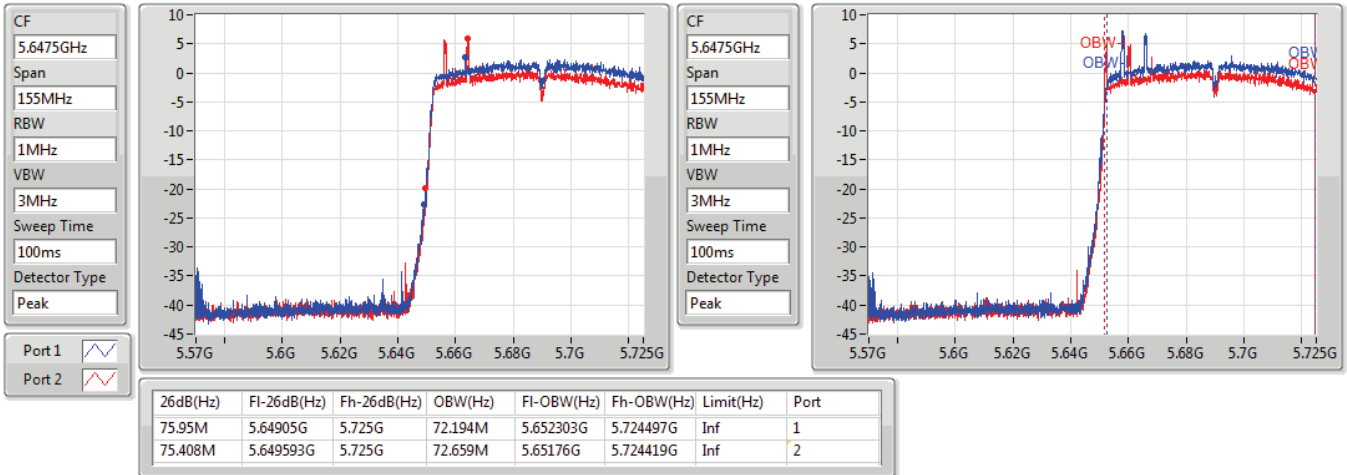

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

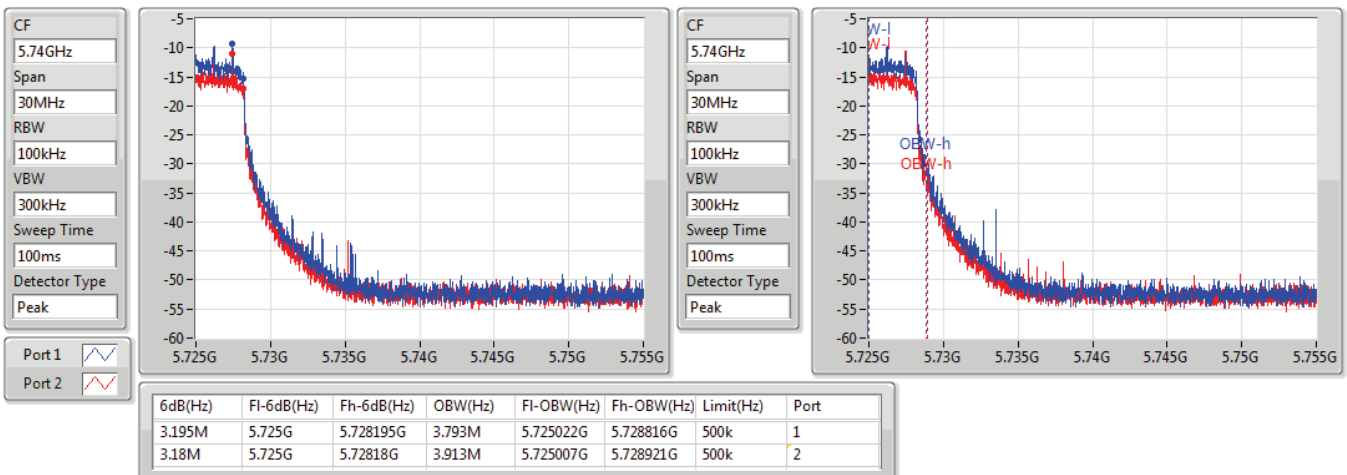


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.94M	17.571M	17M6D1D	20.16M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.56M	36.222M	36M2D1D	39.42M	36.042M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	79.92M	75.442M	75M4D1D	79.8M	75.202M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.7M	17.571M	17M6D1D	20.22M	17.571M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	42.36M	36.162M	36M2D1D	41.1M	36.102M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	84.84M	75.442M	75M4D1D	81.12M	75.202M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.7M	17.571M	17M6D1D	15.173M	13.766M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	41.04M	36.102M	36M1D1D	34.988M	32.909M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	82.08M	75.322M	75M3D1D	75.098M	72.116M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.7M	17.601M	17M6D1D	15.12M	13.783M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	42M	36.222M	36M2D1D	35.363M	32.909M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	86.16M	75.322M	75M3D1D	75.02M	72.116M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.765M	4.018M	4M02D1D	3.75M	4.018M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.21M	3.613M	3M61D1D	3.165M	3.568M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.195M	3.943M	3M94D1D	3.18M	3.853M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	3.78M	4.033M	4M03D1D	3.495M	4.018M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.12M	3.643M	3M64D1D	2.91M	3.598M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.195M	3.898M	3M90D1D	2.835M	3.823M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.16M	17.571M	20.34M	17.571M
5300MHz	Pass	Inf	20.4M	17.571M	20.94M	17.571M
5320MHz	Pass	Inf	20.37M	17.571M	20.67M	17.571M
5500MHz	Pass	Inf	20.01M	17.571M	20.34M	17.571M
5580MHz	Pass	Inf	20.46M	17.571M	20.13M	17.571M
5700MHz	Pass	Inf	20.49M	17.571M	20.7M	17.571M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.173M	13.766M	15.173M	13.766M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.765M	4.018M	3.75M	4.018M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.66M	36.162M	40.56M	36.042M
5310MHz	Pass	Inf	39.42M	36.222M	39.72M	36.042M
5510MHz	Pass	Inf	41.04M	36.042M	39.66M	36.042M
5550MHz	Pass	Inf	40.02M	36.102M	39.78M	36.102M
5670MHz	Pass	Inf	40.5M	36.102M	39.78M	36.042M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.475M	32.946M	34.988M	32.909M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	3.613M	3.165M	3.568M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	79.8M	75.442M	79.92M	75.202M
5530MHz	Pass	Inf	80.16M	75.202M	80.16M	75.202M
5610MHz	Pass	Inf	79.68M	75.322M	82.08M	75.202M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.175M	72.116M	75.098M	72.116M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.195M	3.943M	3.18M	3.853M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.37M	17.571M	20.22M	17.571M
5300MHz	Pass	Inf	20.25M	17.571M	20.7M	17.571M
5320MHz	Pass	Inf	20.22M	17.571M	20.52M	17.571M
5500MHz	Pass	Inf	20.52M	17.571M	20.31M	17.571M
5580MHz	Pass	Inf	20.37M	17.571M	20.13M	17.571M
5700MHz	Pass	Inf	20.7M	17.601M	20.37M	17.541M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.348M	13.783M	15.12M	13.801M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.033M	3.495M	4.018M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	42.06M	36.102M	42.06M	36.102M
5310MHz	Pass	Inf	41.1M	36.162M	42.36M	36.102M
5510MHz	Pass	Inf	39.78M	36.042M	39.96M	35.982M
5550MHz	Pass	Inf	39.6M	36.102M	42M	36.222M
5670MHz	Pass	Inf	41.4M	36.102M	40.56M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.363M	32.909M	36.938M	32.909M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.643M	2.91M	3.598M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	84.84M	75.442M	81.12M	75.202M
5530MHz	Pass	Inf	86.16M	75.322M	85.08M	75.322M
5610MHz	Pass	Inf	80.28M	75.322M	79.8M	75.202M



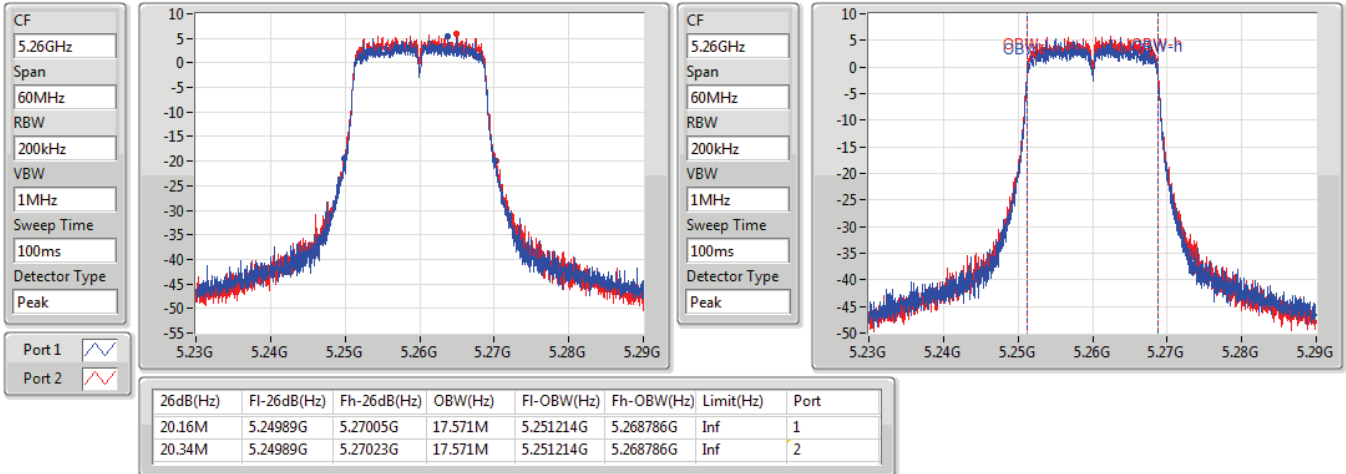
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.098M	72.194M	75.02M	72.116M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.195M	3.898M	2.835M	3.823M

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

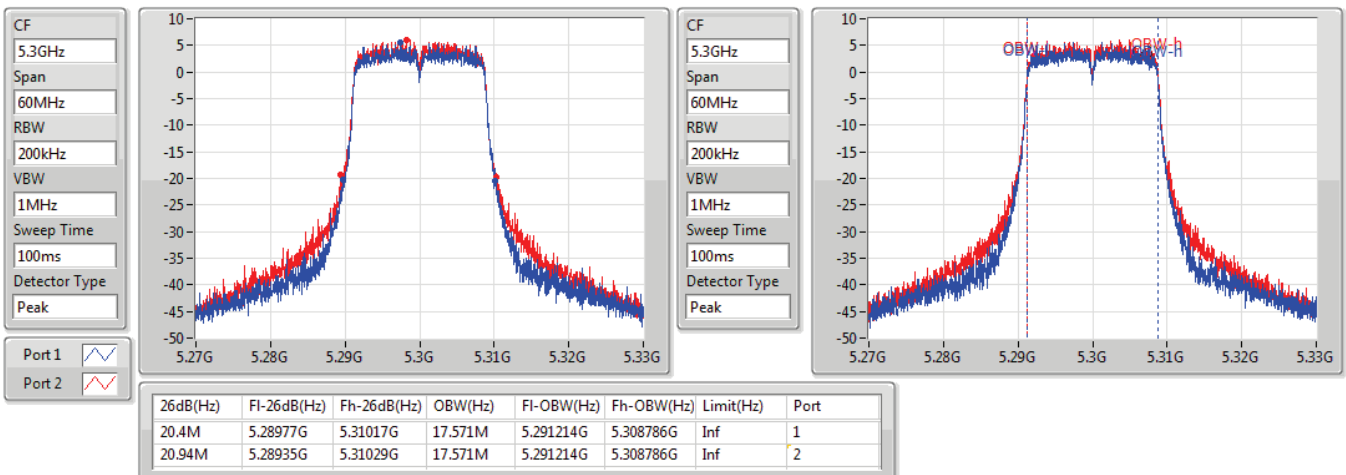
Port X-OBW = Port X 99% occupied bandwidth;

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

09/12/2019

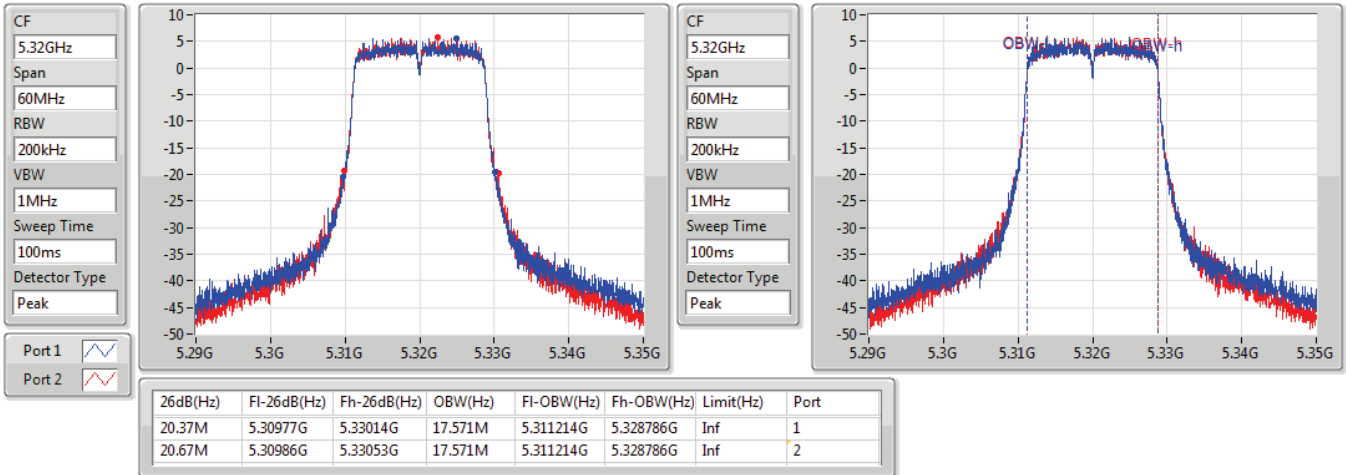

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

09/12/2019

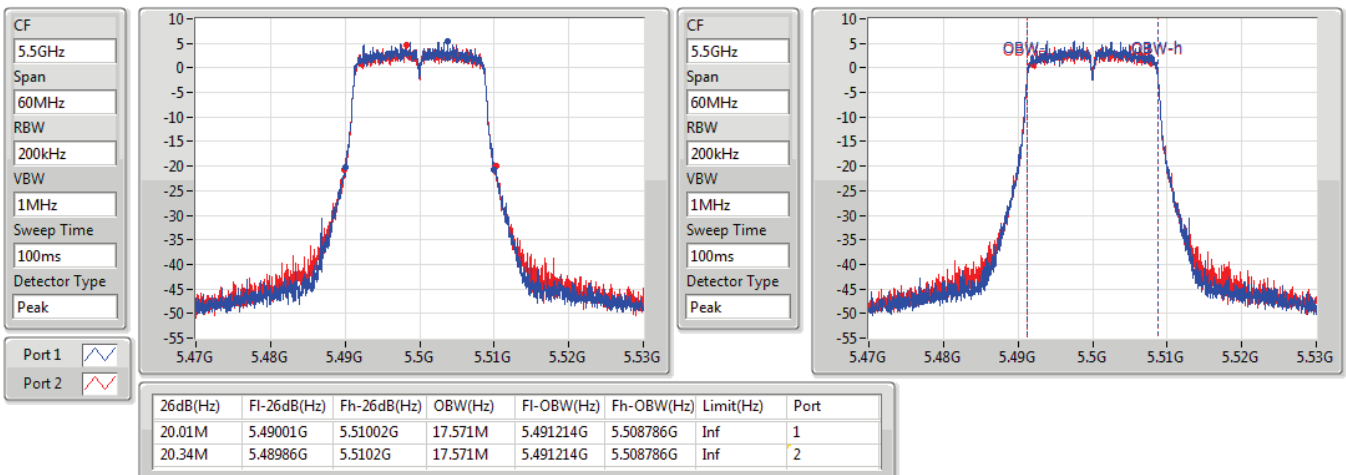


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

09/12/2019

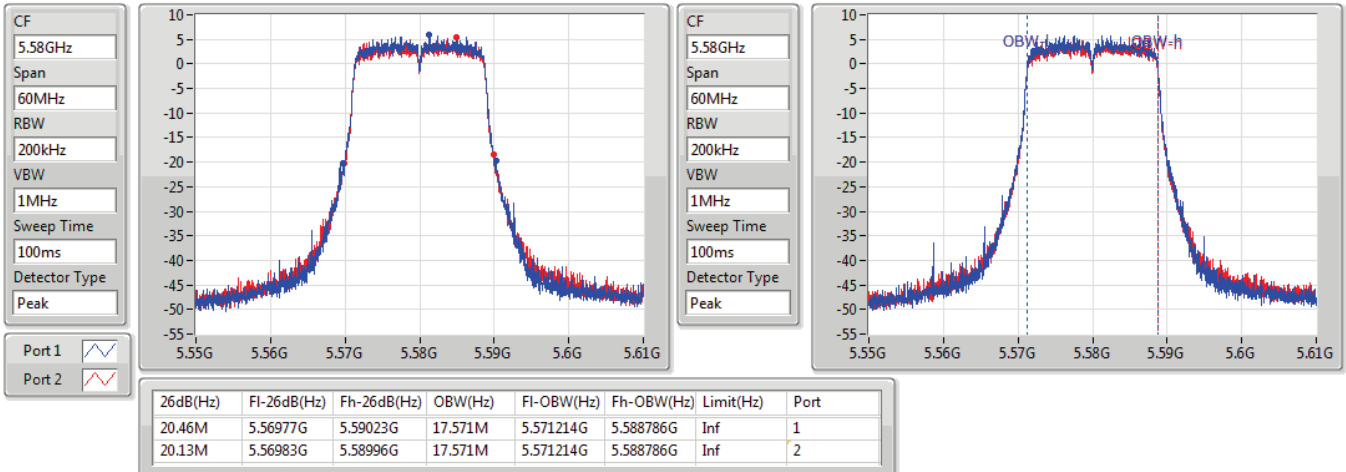

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

09/12/2019

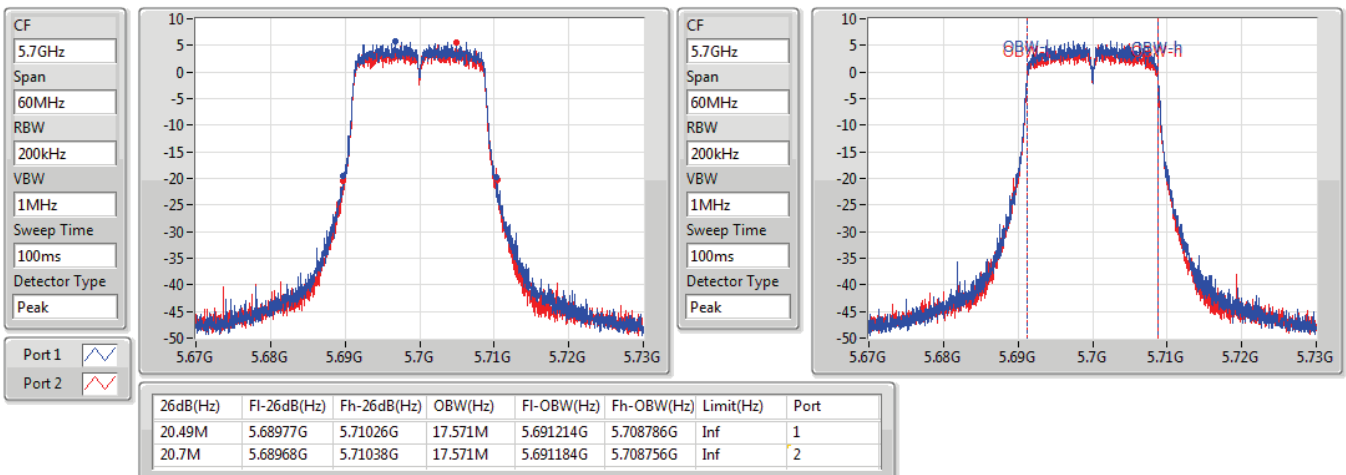


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

09/12/2019

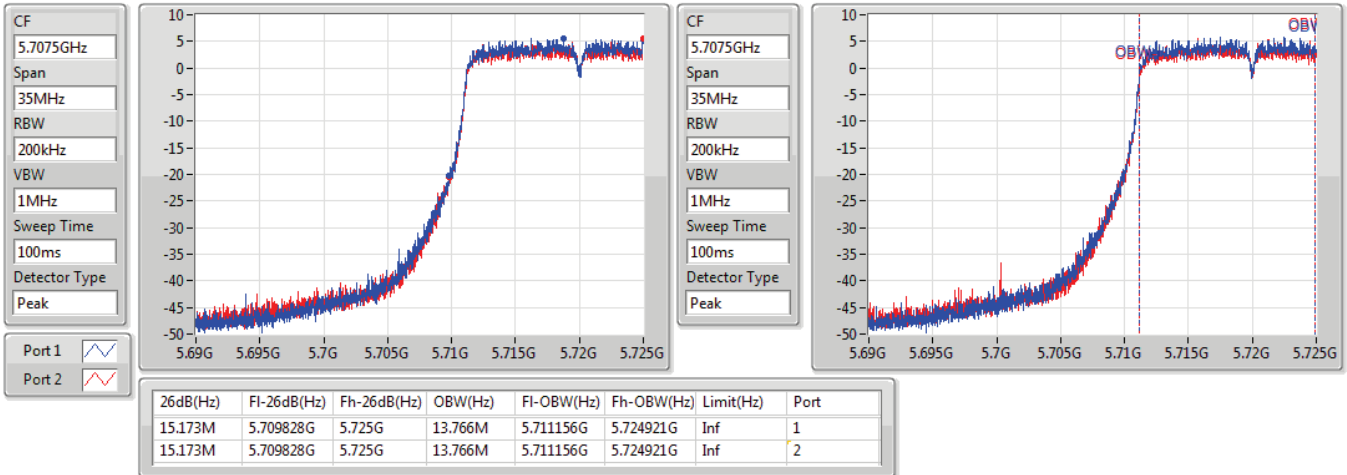

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

09/12/2019

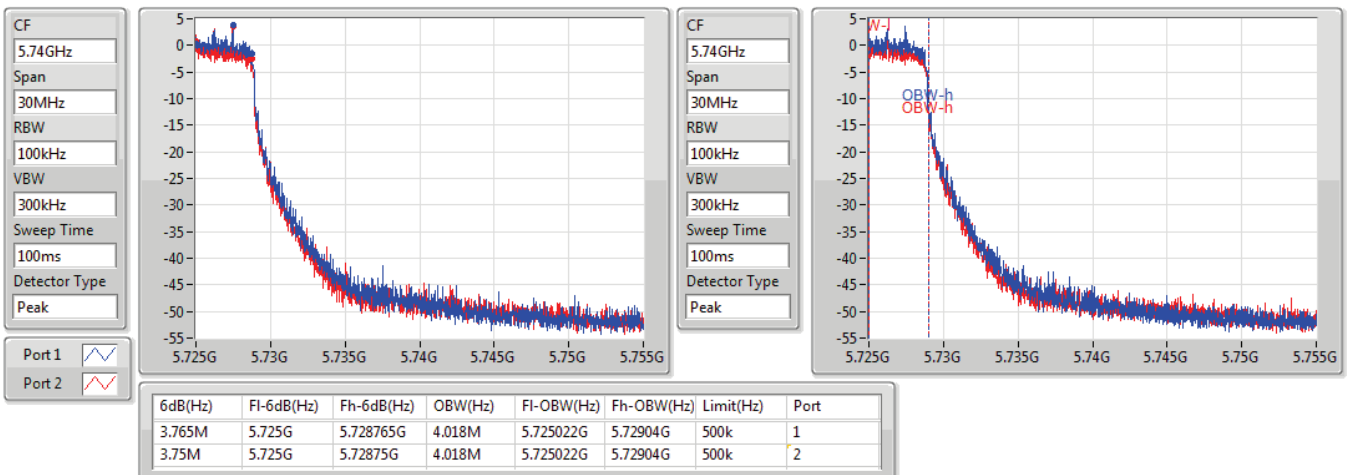


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

09/12/2019

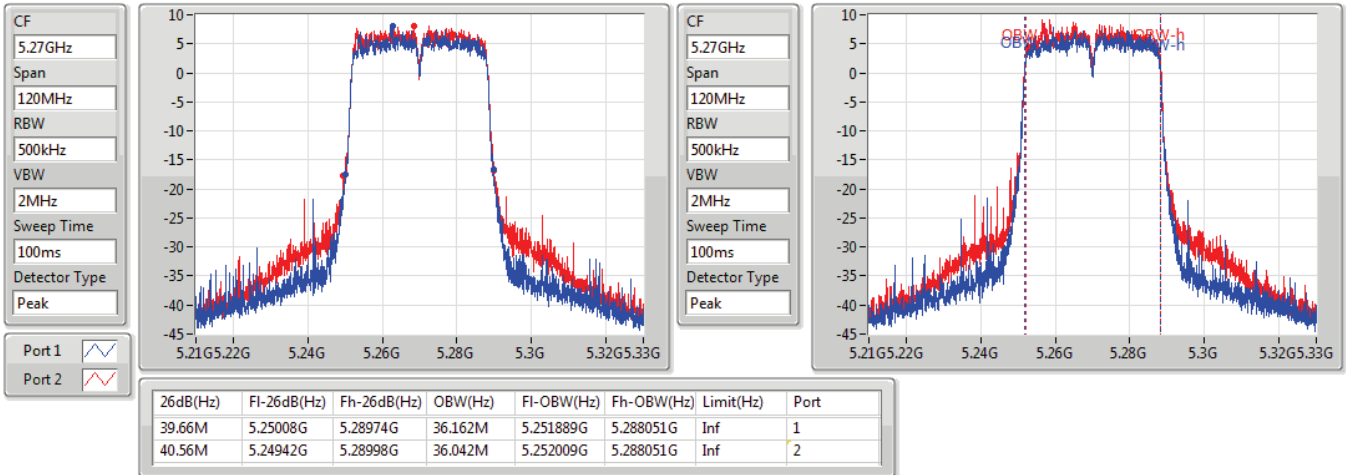

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

09/12/2019

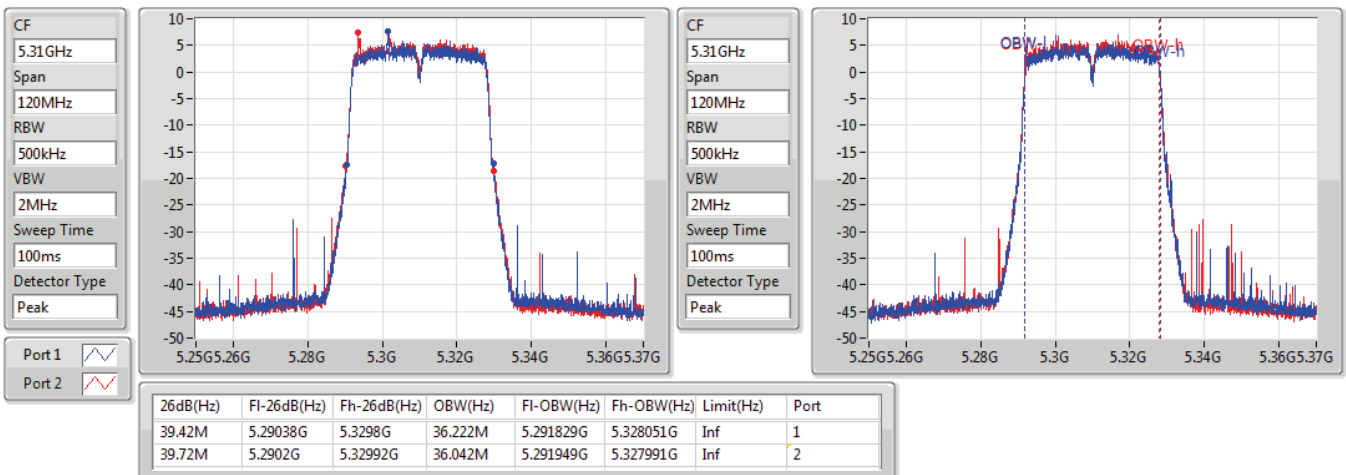


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

09/12/2019

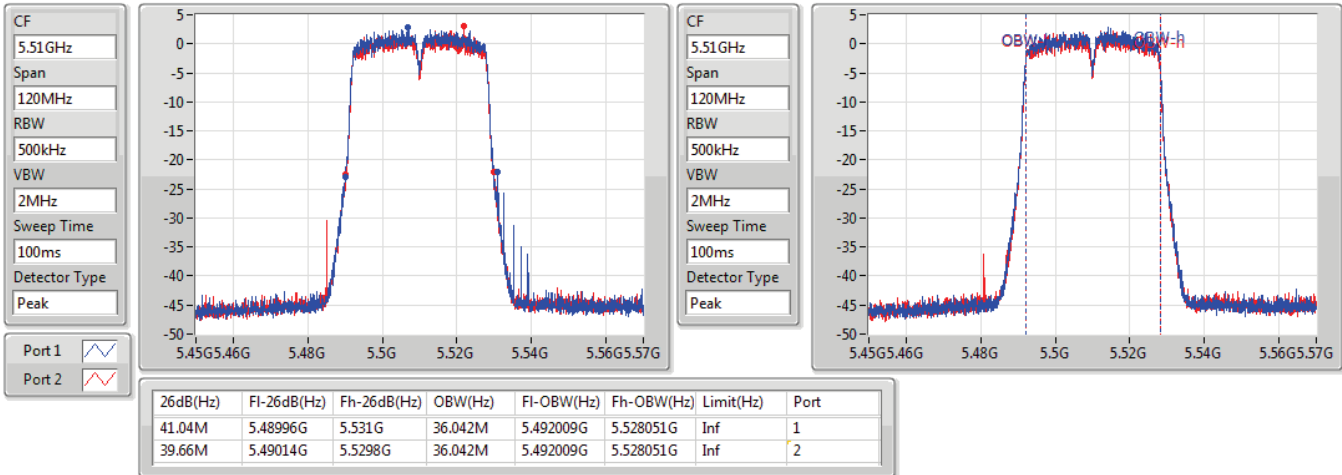

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

09/12/2019

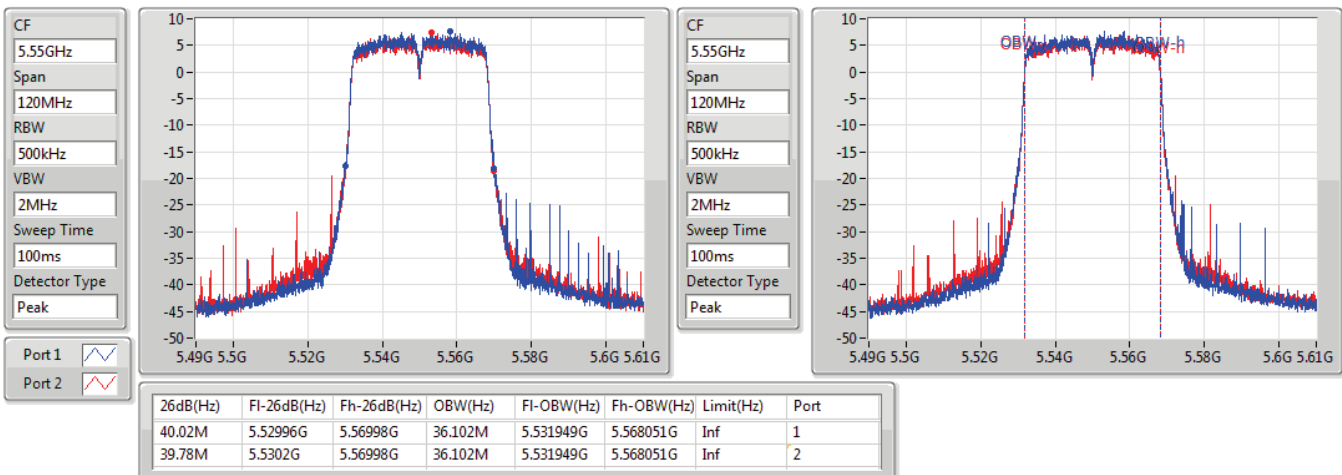


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

09/12/2019

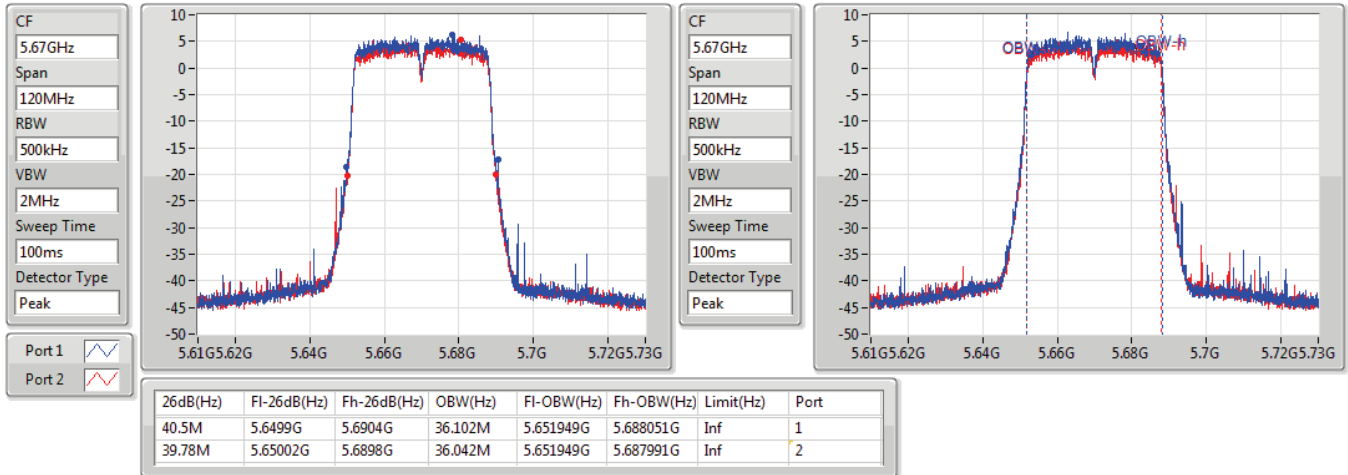

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

09/12/2019

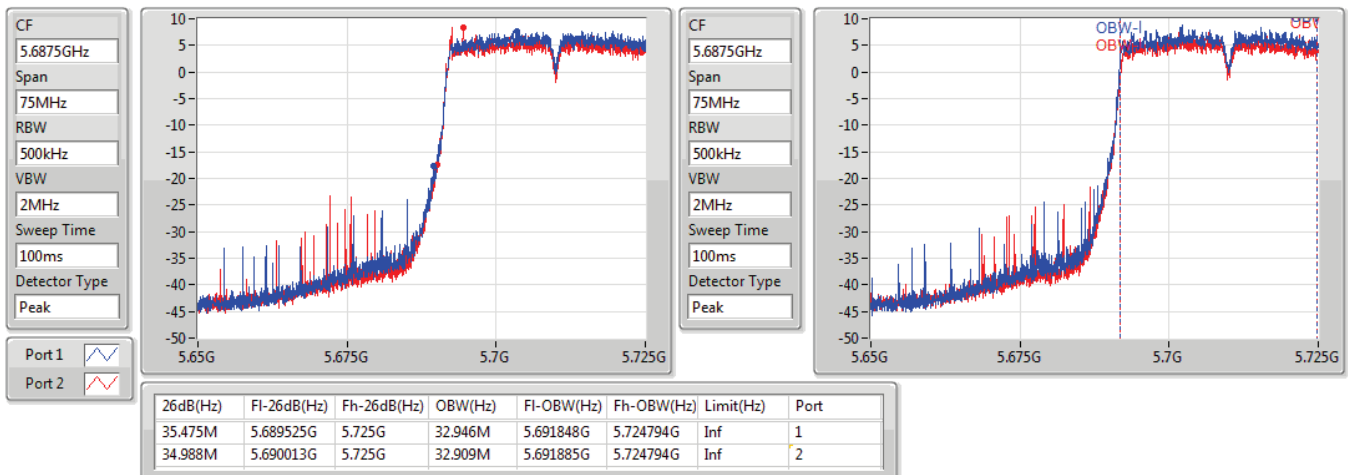


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

09/12/2019

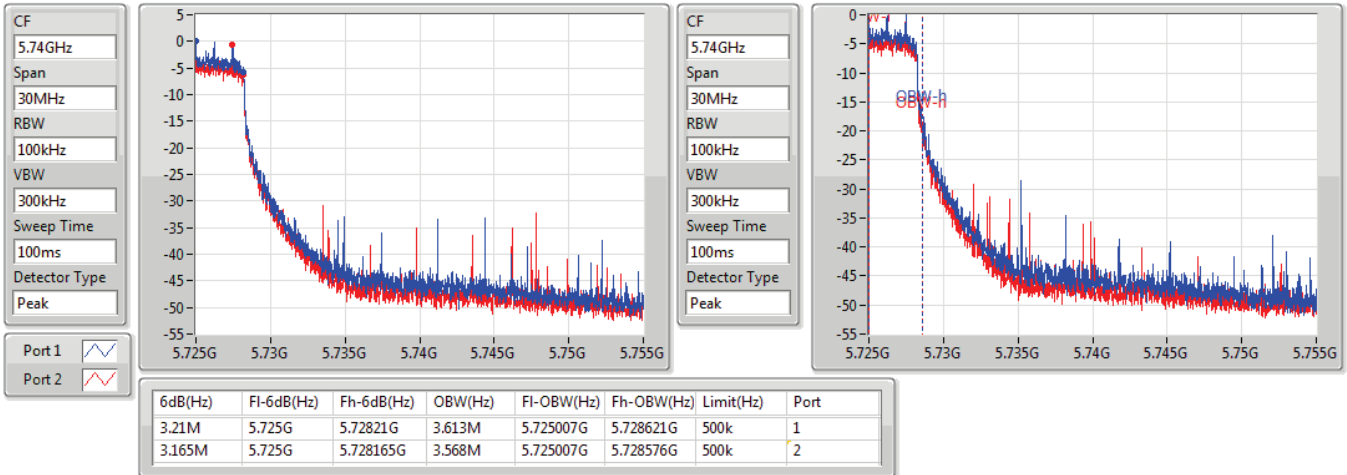

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

09/12/2019

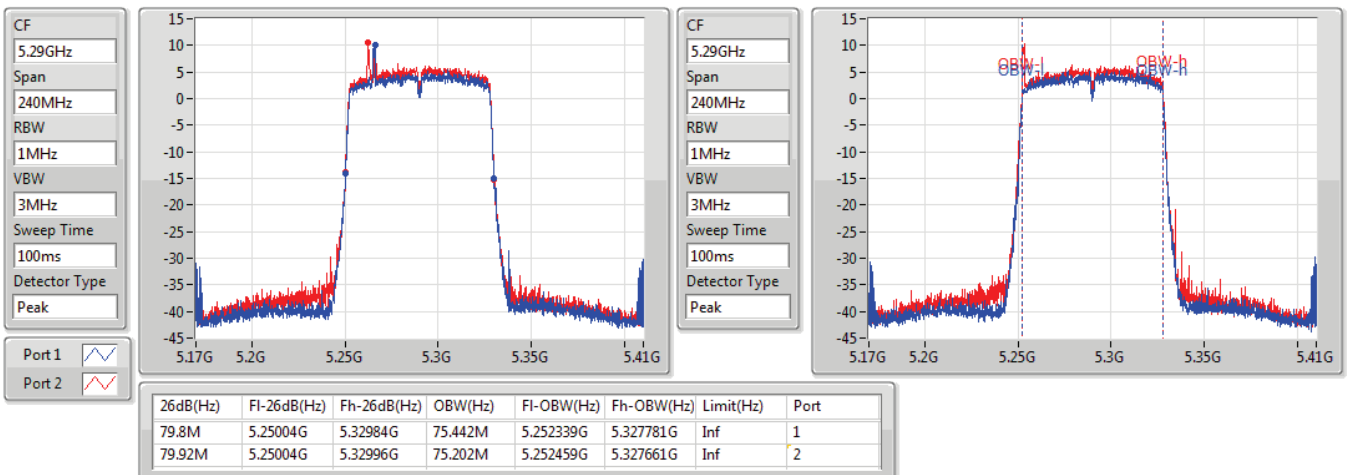


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

09/12/2019

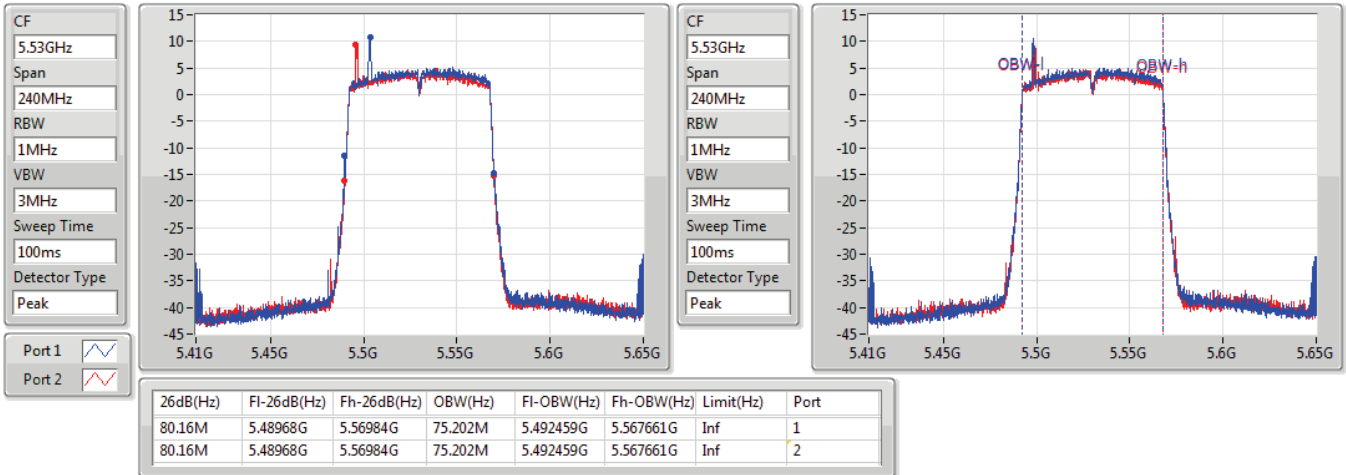

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

09/12/2019

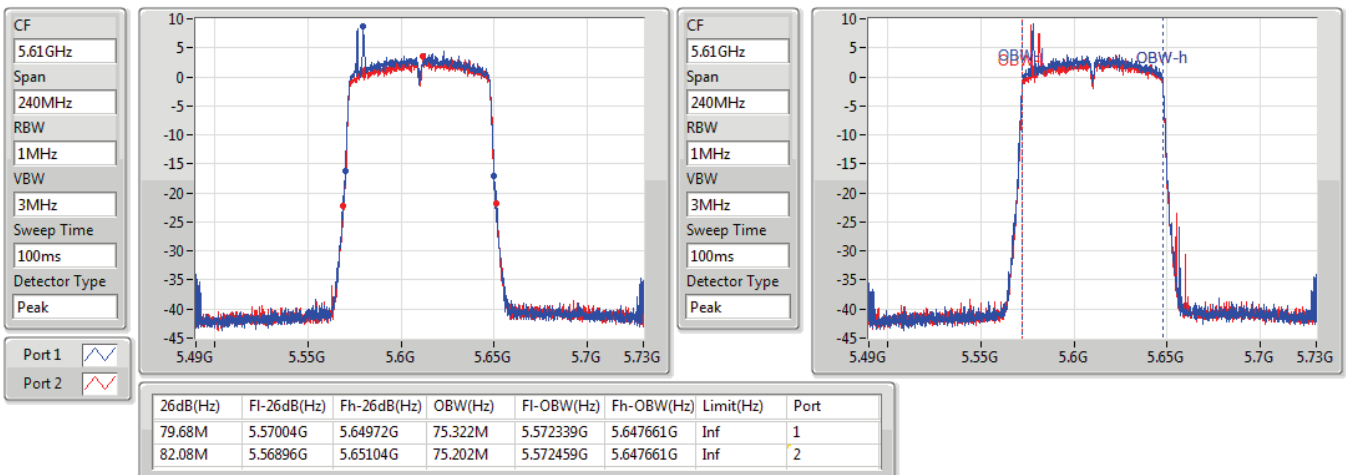


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

09/12/2019

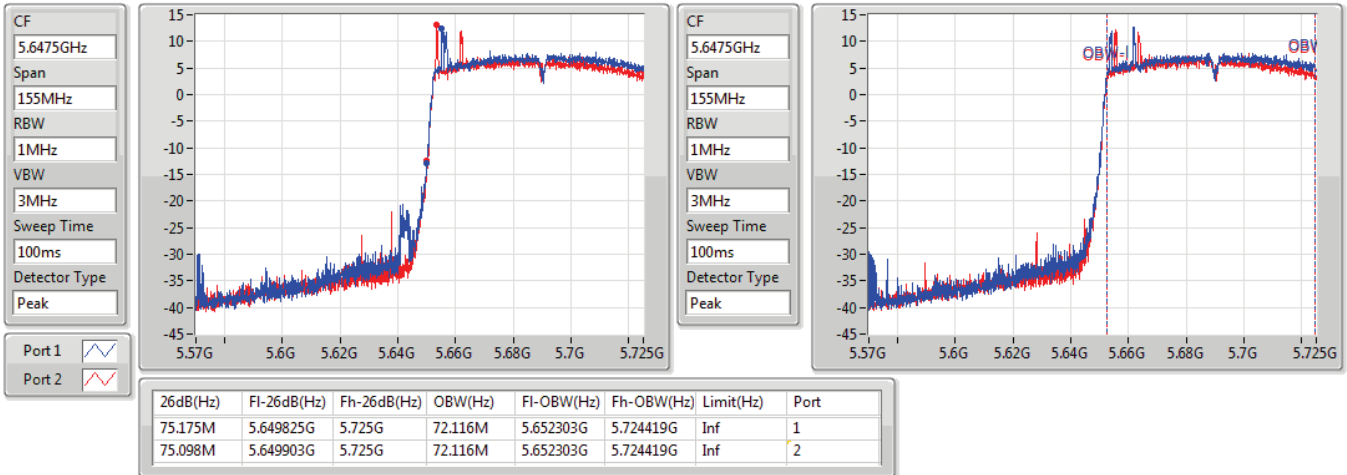

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

09/12/2019

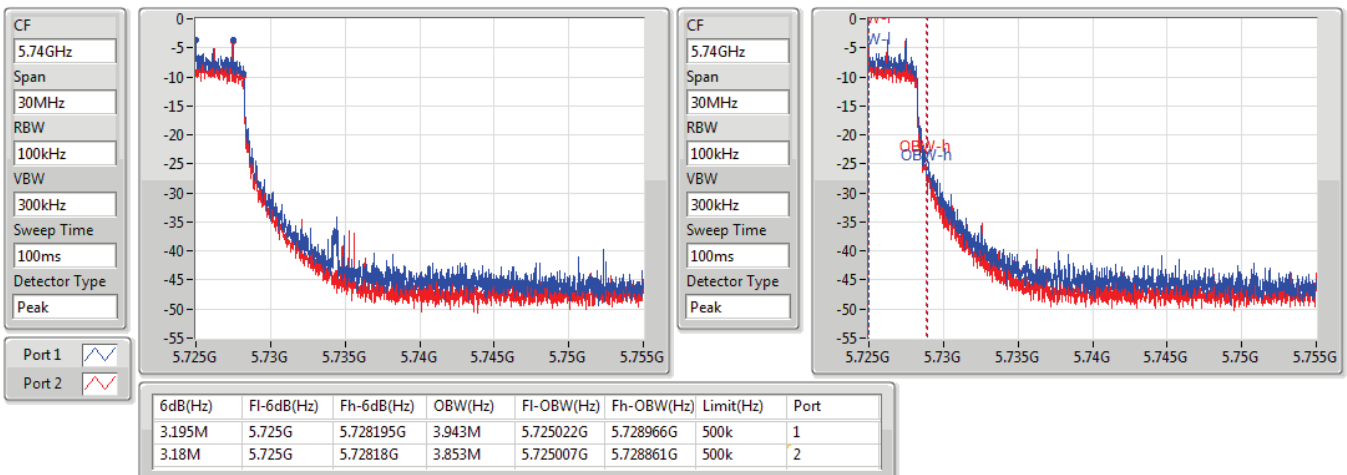


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

09/12/2019

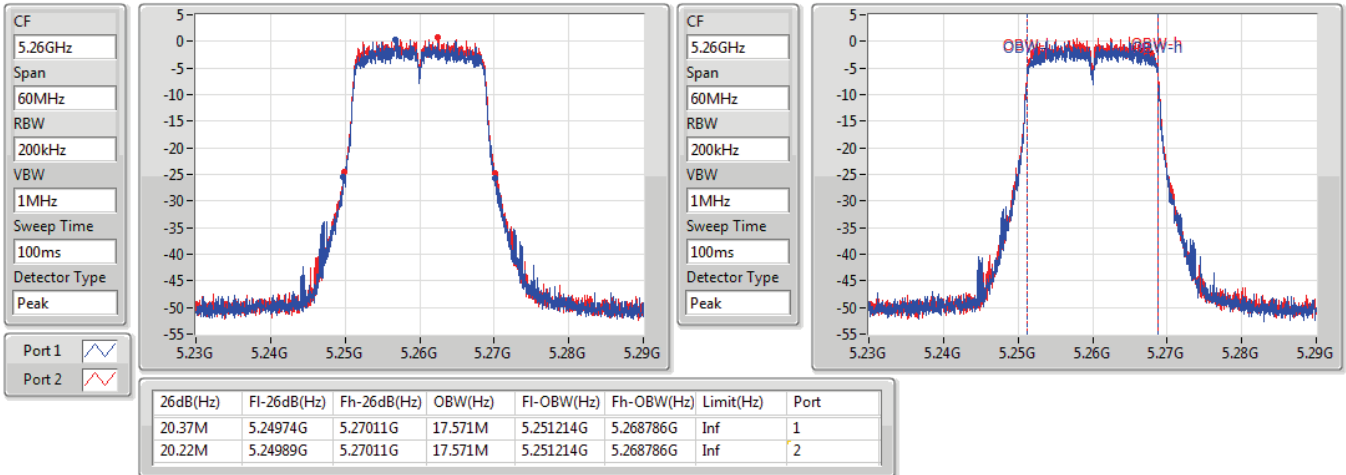

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

09/12/2019

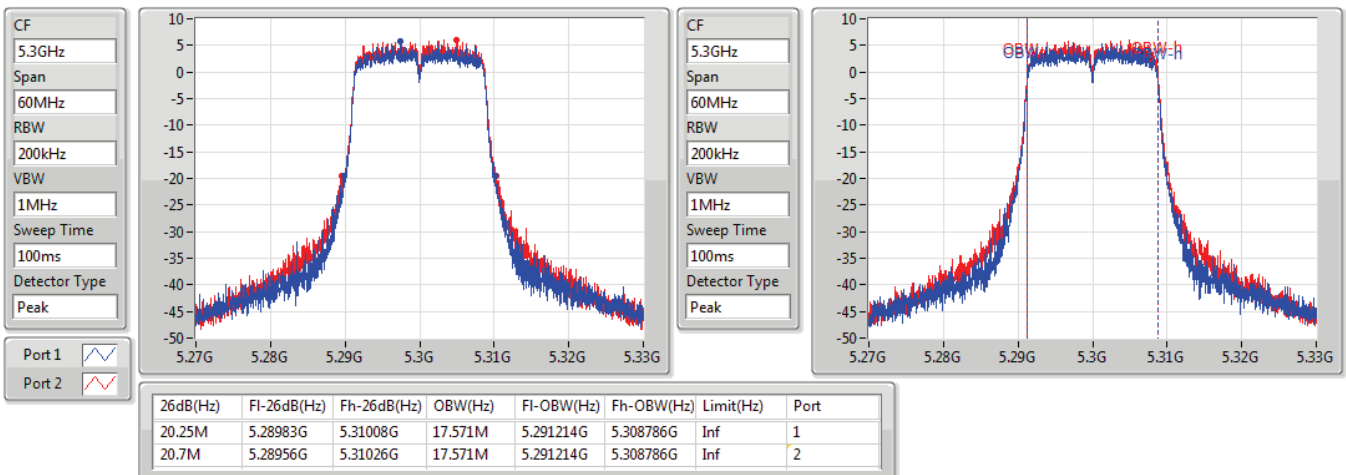


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

09/12/2019

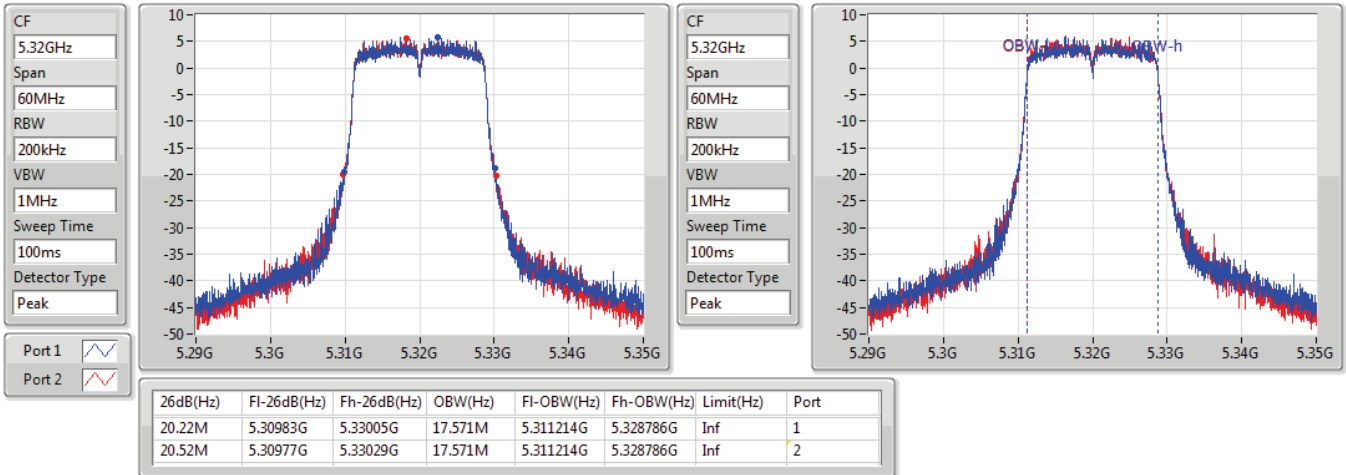

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

09/12/2019

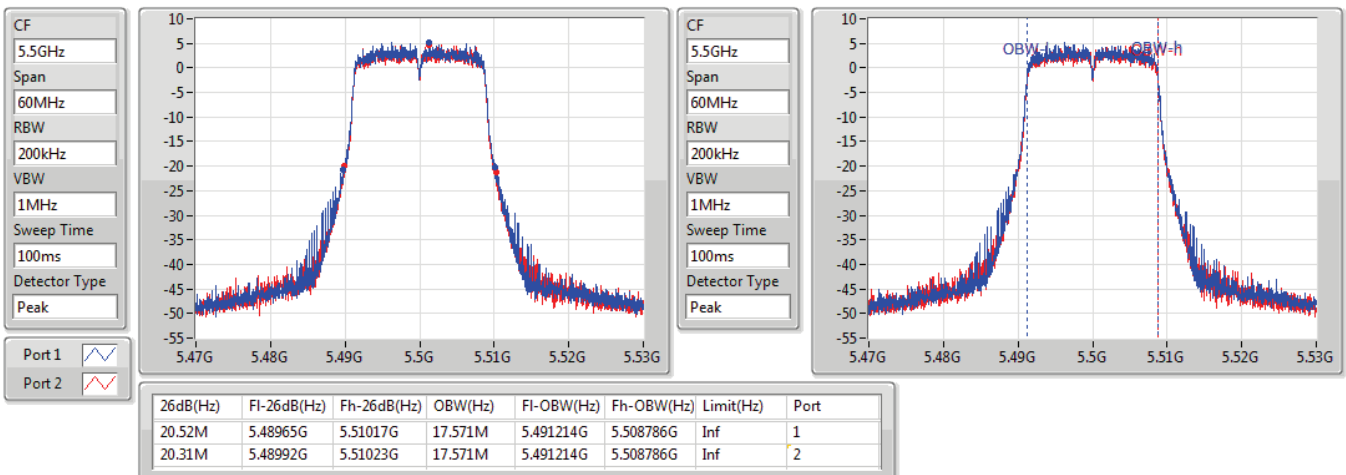


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

09/12/2019

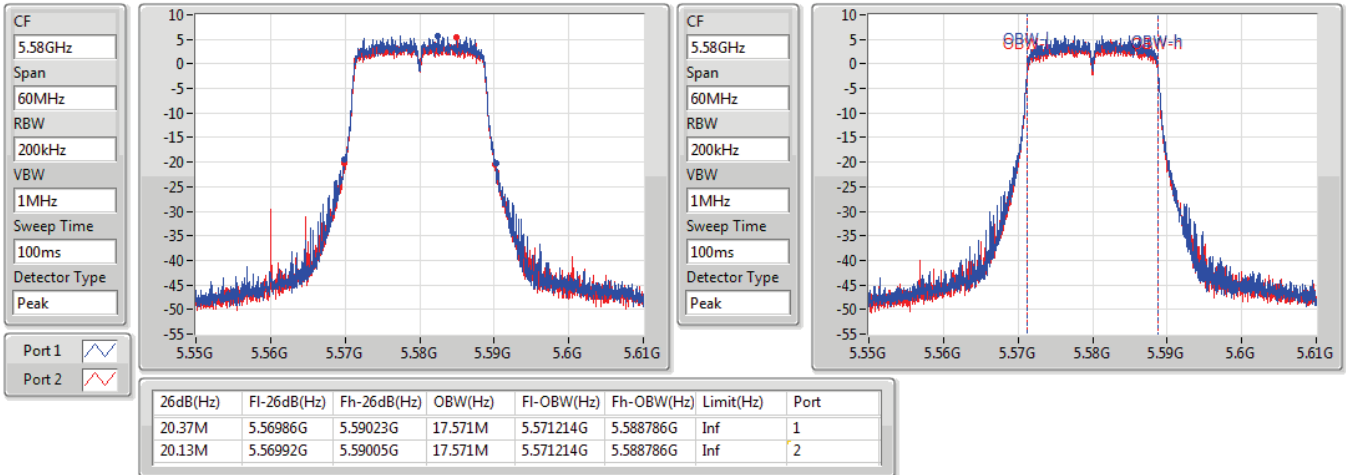

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

09/12/2019

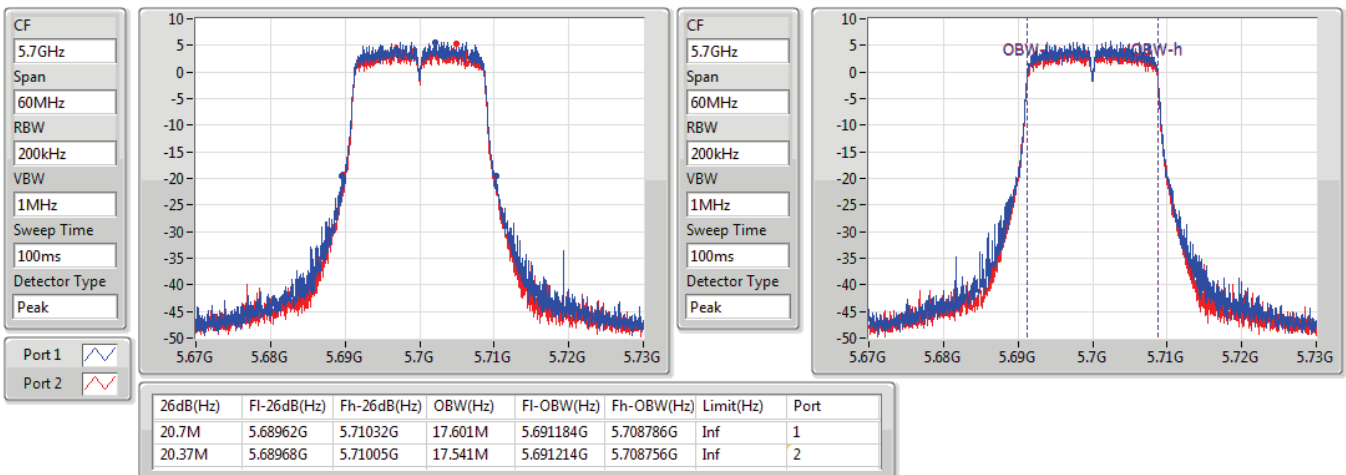


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

09/12/2019

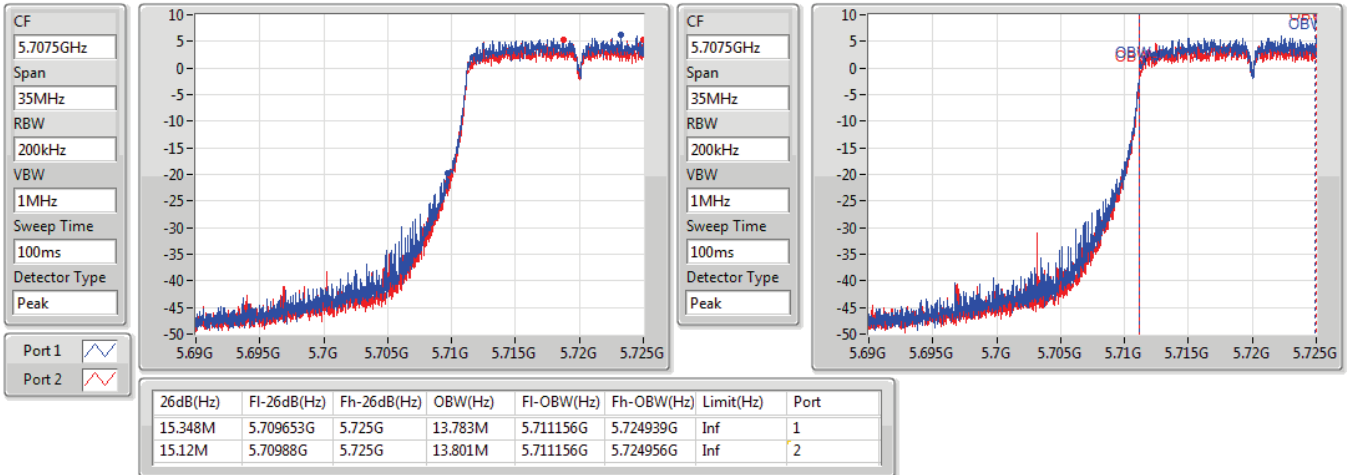

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

09/12/2019

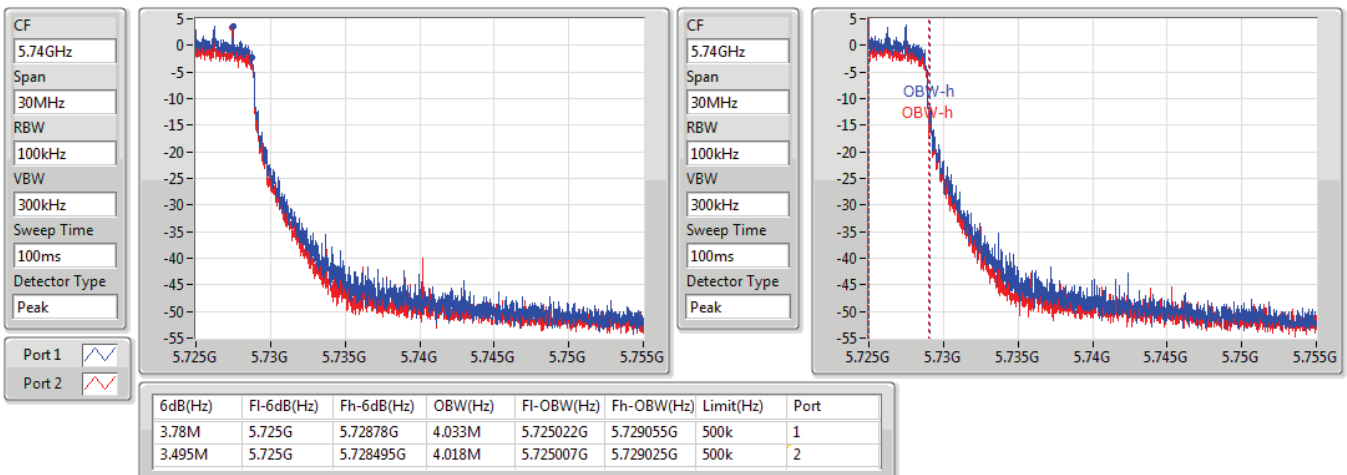


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

09/12/2019

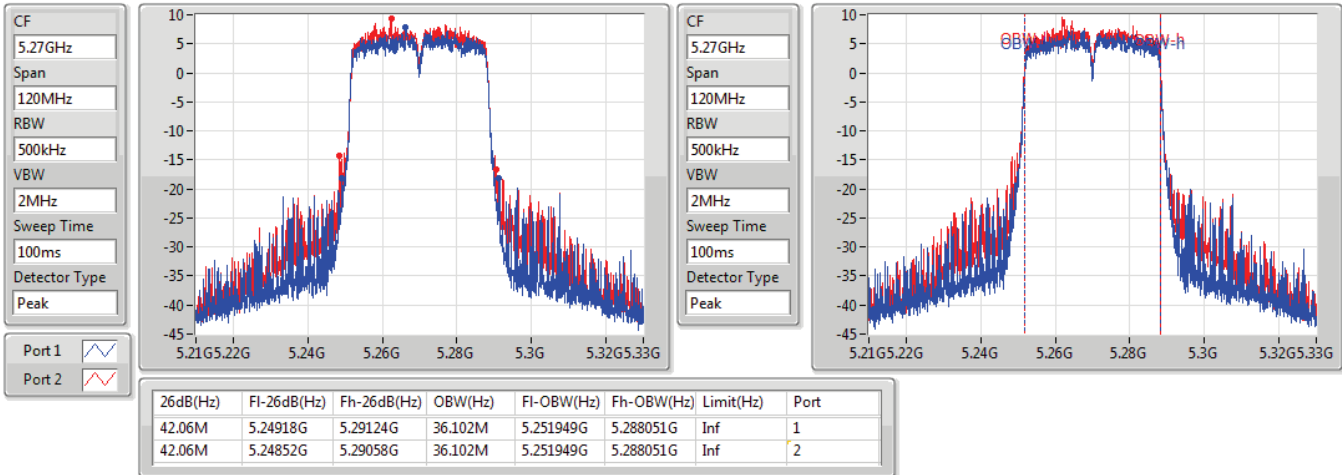

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

09/12/2019

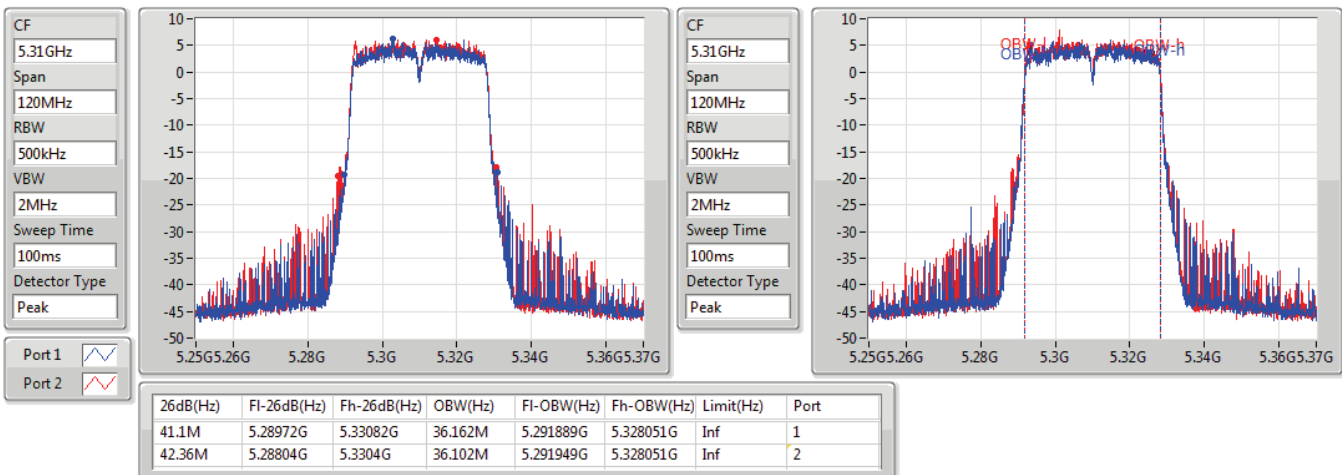


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

09/12/2019

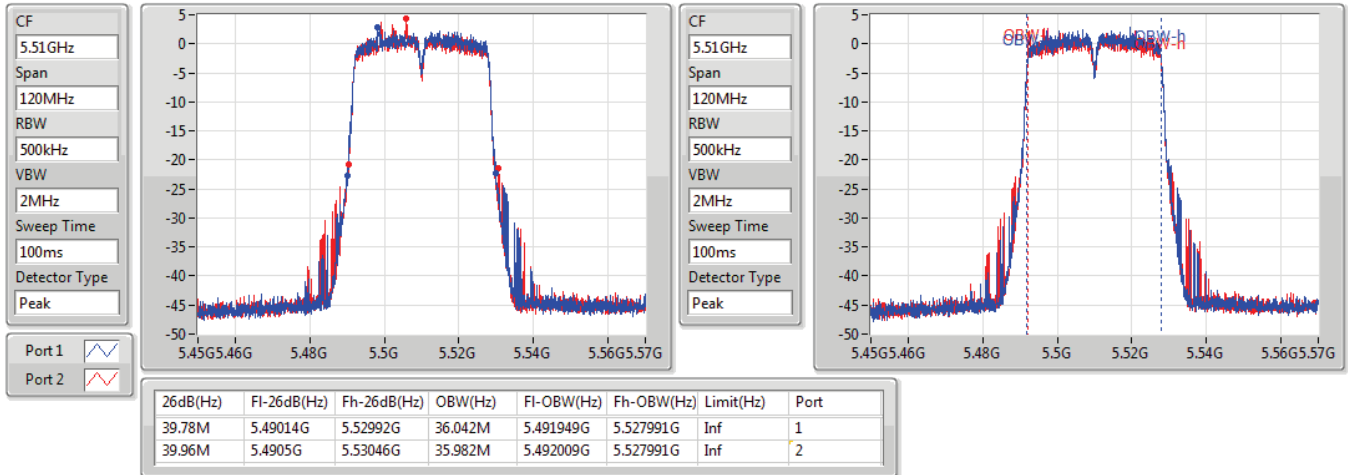

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

09/12/2019

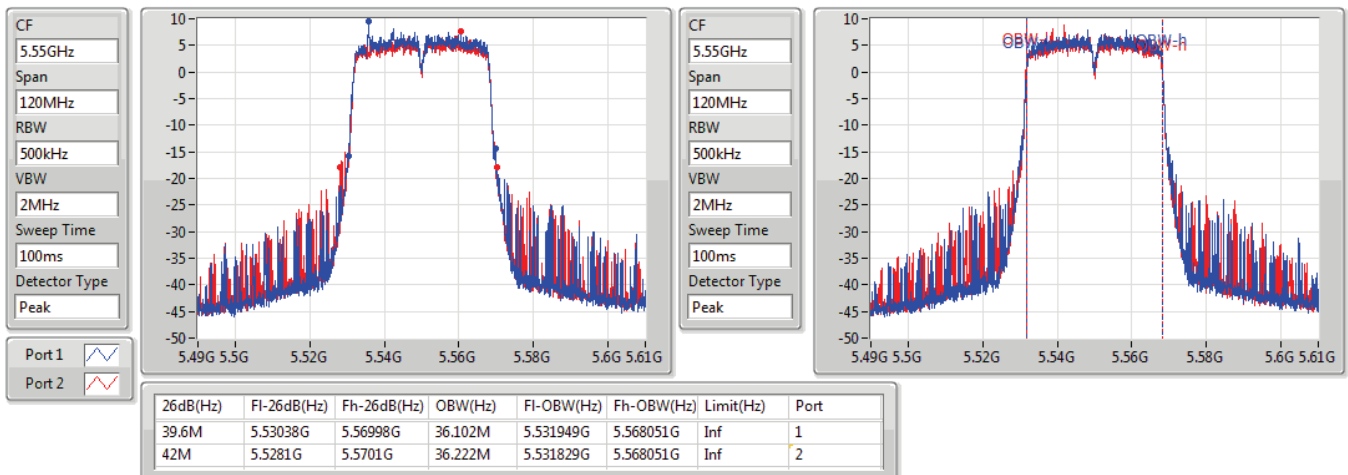


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

09/12/2019

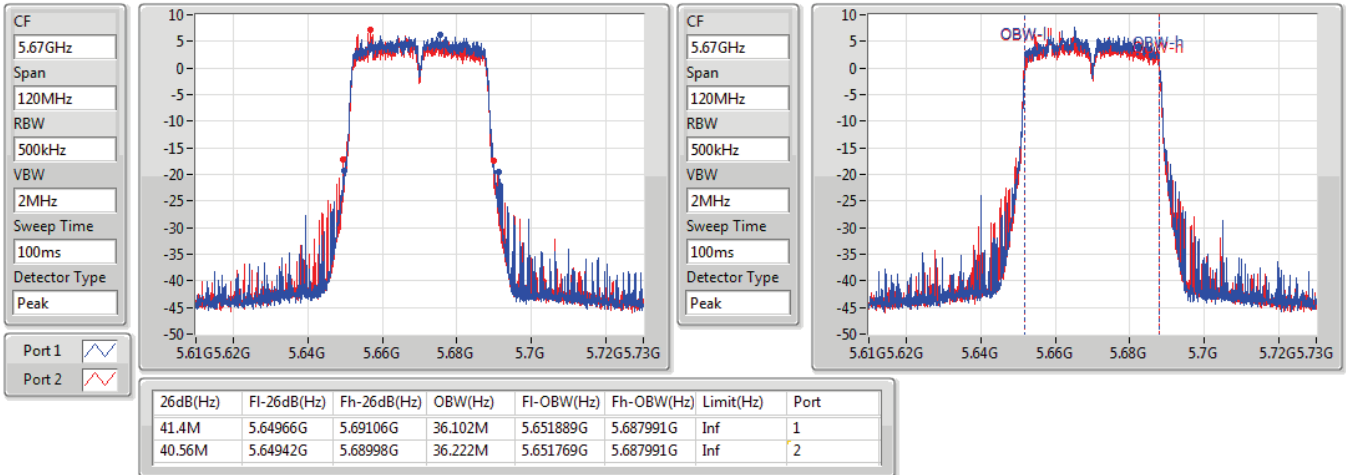

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

09/12/2019

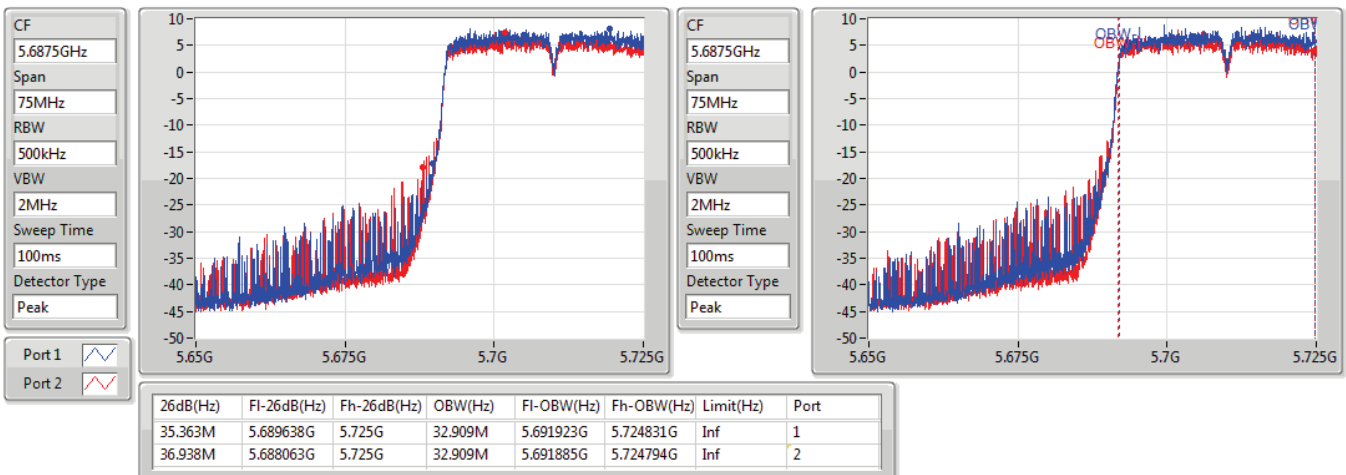


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

09/12/2019

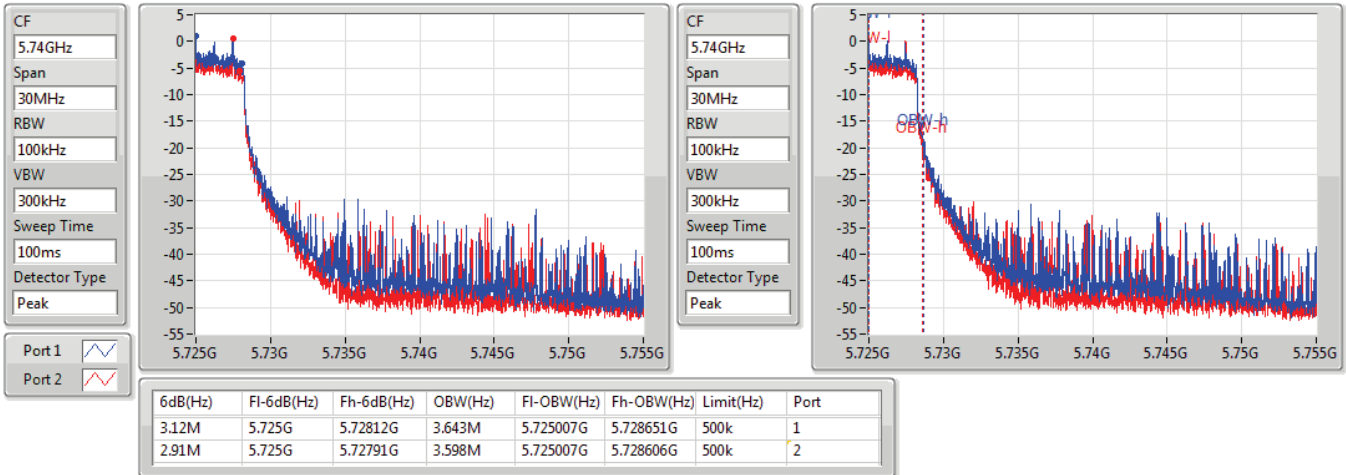

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

09/12/2019

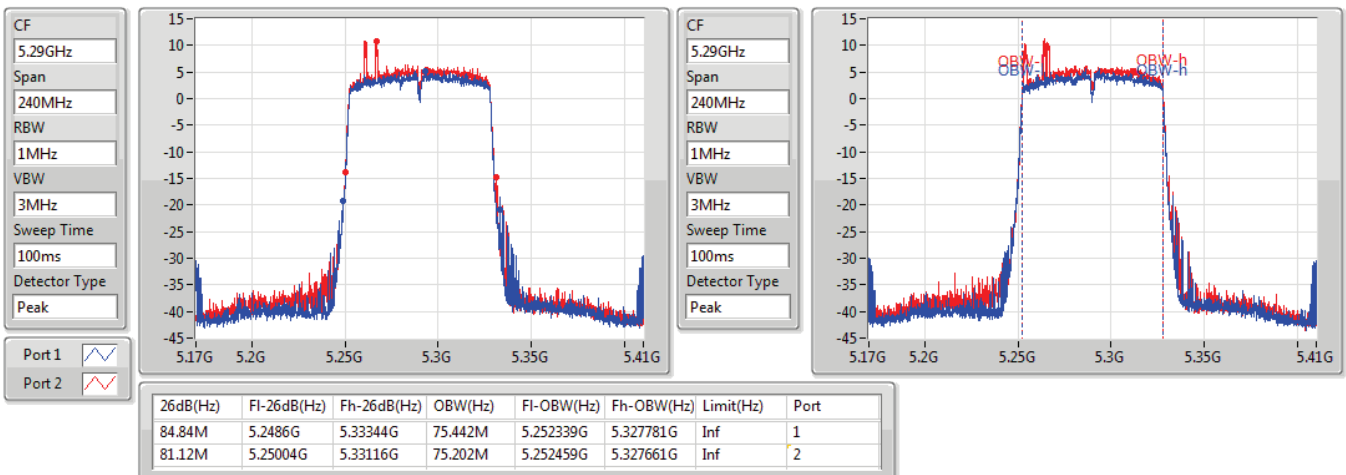


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

09/12/2019

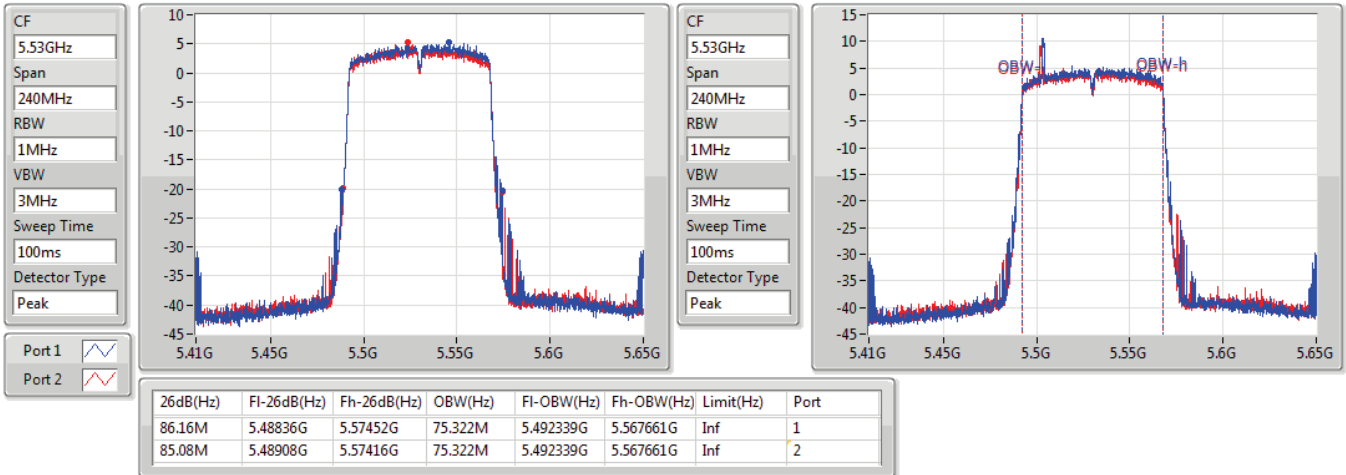

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

09/12/2019

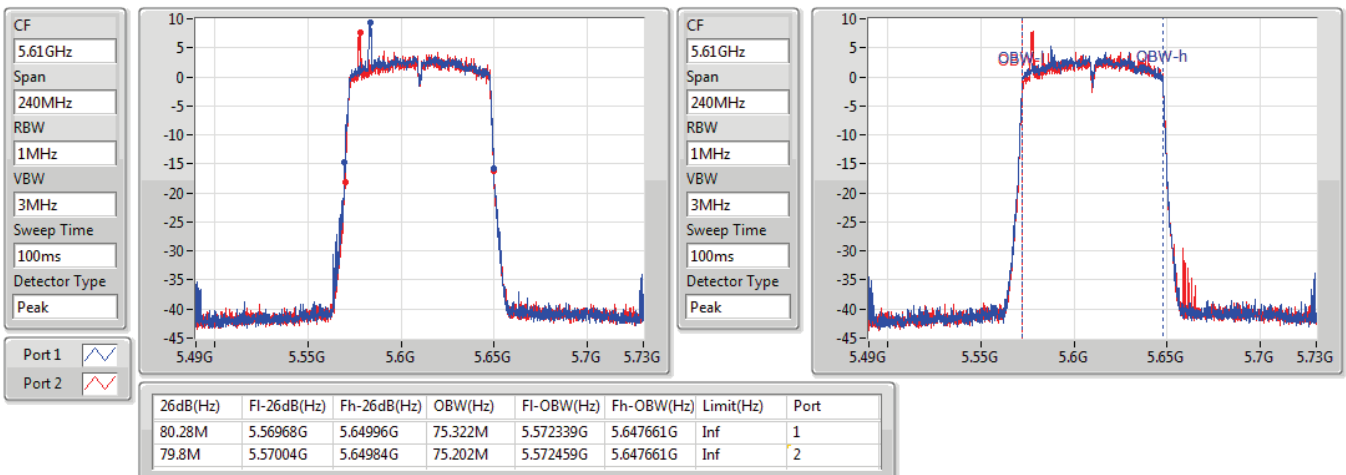


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

09/12/2019

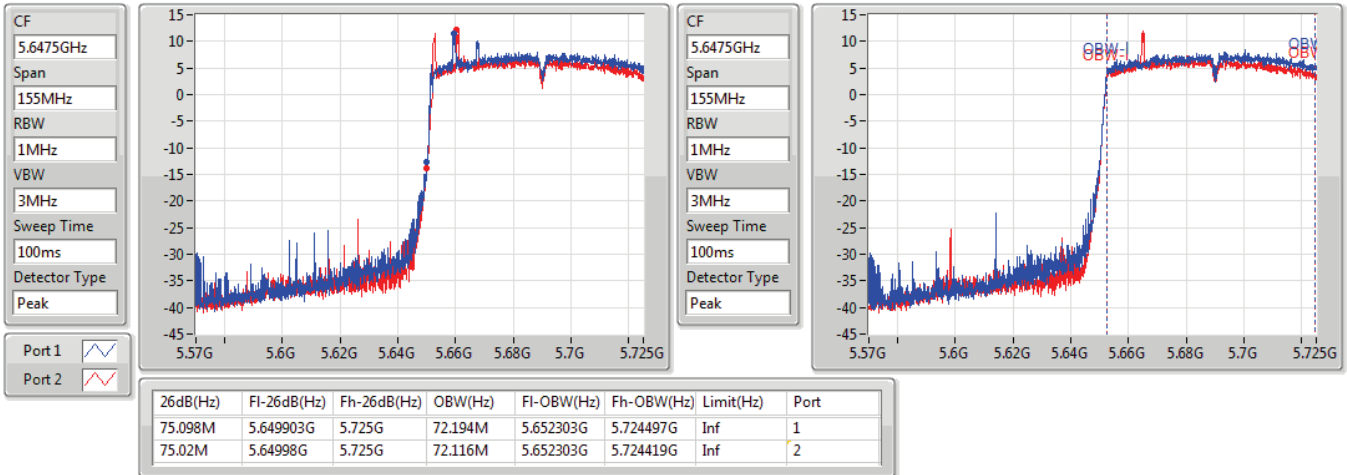

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

09/12/2019

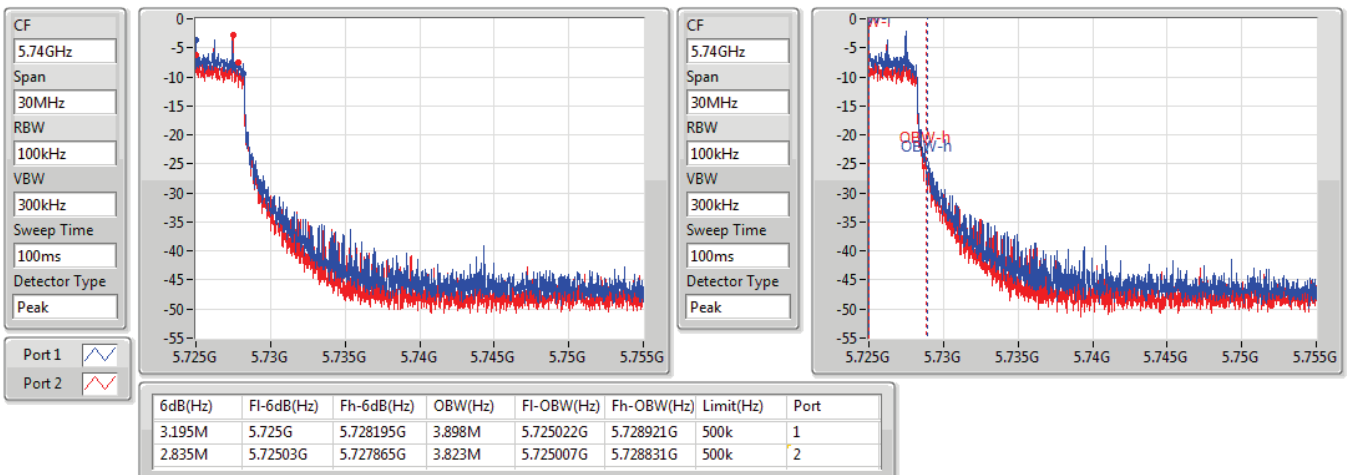


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

09/12/2019


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

09/12/2019



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.52M	17.571M	17M6D1D	20.16M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	43.62M	36.102M	36M1D1D	39.66M	36.042M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.24M	75.322M	75M3D1D	80.04M	75.322M
802.11ac HEW20-BF_Nss1,(MCS0)_2TX	20.55M	17.571M	17M6D1D	19.98M	17.571M
802.11ac HEW40-BF_Nss1,(MCS0)_2TX	40.68M	36.042M	36M0D1D	39.48M	36.042M
802.11ac HEW80-BF_Nss1,(MCS0)_2TX	81.72M	75.322M	75M3D1D	80.28M	75.082M
5.47-5.725GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.15M	17.601M	17M6D1D	15.155M	13.783M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.44M	36.042M	36M0D1D	34.875M	32.871M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	82.2M	75.322M	75M3D1D	75.098M	72.116M
802.11ac HEW20-BF_Nss1,(MCS0)_2TX	20.7M	17.571M	17M6D1D	15.173M	13.783M
802.11ac HEW40-BF_Nss1,(MCS0)_2TX	40.56M	36.102M	36M1D1D	34.763M	32.909M
802.11ac HEW80-BF_Nss1,(MCS0)_2TX	81.12M	75.442M	75M4D1D	74.865M	72.039M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.75M	4.018M	4M02D1D	3.75M	4.003M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.195M	3.538M	3M54D1D	3.165M	3.523M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.195M	3.778M	3M78D1D	3.18M	3.778M
802.11ac HEW20-BF_Nss1,(MCS0)_2TX	3.75M	4.033M	4M03D1D	3.735M	3.988M
802.11ac HEW40-BF_Nss1,(MCS0)_2TX	3.195M	3.523M	3M52D1D	3.18M	3.508M
802.11ac HEW80-BF_Nss1,(MCS0)_2TX	3.195M	3.793M	3M79D1D	3.18M	3.733M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.16M	17.571M	20.34M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.19M	17.571M	20.28M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.19M	17.571M	20.52M	17.571M
5500MHz_TnomVnom	Pass	Inf	21.15M	17.571M	20.25M	17.601M
5580MHz_TnomVnom	Pass	Inf	20.46M	17.571M	20.25M	17.571M
5700MHz_TnomVnom	Pass	Inf	20.7M	17.571M	20.43M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.155M	13.783M	15.208M	13.818M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.75M	4.018M	3.75M	4.003M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.66M	36.102M	39.72M	36.042M
5310MHz_TnomVnom	Pass	Inf	43.62M	36.042M	39.72M	36.042M
5510MHz_TnomVnom	Pass	Inf	39.36M	36.042M	39.96M	36.042M
5550MHz_TnomVnom	Pass	Inf	40.08M	36.042M	39.72M	35.982M
5670MHz_TnomVnom	Pass	Inf	40.44M	36.042M	39.36M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	34.875M	32.871M	35.438M	32.871M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.165M	3.523M	3.195M	3.538M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	81.24M	75.322M	80.04M	75.322M
5530MHz_TnomVnom	Pass	Inf	81.48M	75.082M	82.2M	75.322M
5610MHz_TnomVnom	Pass	Inf	79.92M	75.322M	79.92M	75.082M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.33M	72.194M	75.098M	72.116M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	3.778M	3.195M	3.778M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	19.98M	17.571M	20.55M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.31M	17.571M	20.52M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.07M	17.571M	20.49M	17.571M
5500MHz_TnomVnom	Pass	Inf	20.28M	17.571M	20.25M	17.571M
5580MHz_TnomVnom	Pass	Inf	20.34M	17.571M	20.7M	17.541M
5700MHz_TnomVnom	Pass	Inf	20.13M	17.571M	20.55M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.173M	13.783M	15.488M	13.818M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.75M	4.033M	3.735M	3.988M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.48M	36.042M	40.38M	36.042M
5310MHz_TnomVnom	Pass	Inf	40.02M	36.042M	40.68M	36.042M
5510MHz_TnomVnom	Pass	Inf	40.08M	36.102M	40.14M	36.042M
5550MHz_TnomVnom	Pass	Inf	40.14M	35.982M	39.6M	36.102M
5670MHz_TnomVnom	Pass	Inf	40.56M	36.042M	39.54M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.475M	32.909M	34.763M	33.021M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	3.523M	3.195M	3.508M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	80.28M	75.082M	81.72M	75.322M
5530MHz_TnomVnom	Pass	Inf	80.16M	75.442M	81.12M	75.202M
5610MHz_TnomVnom	Pass	Inf	80.16M	75.202M	80.04M	75.442M



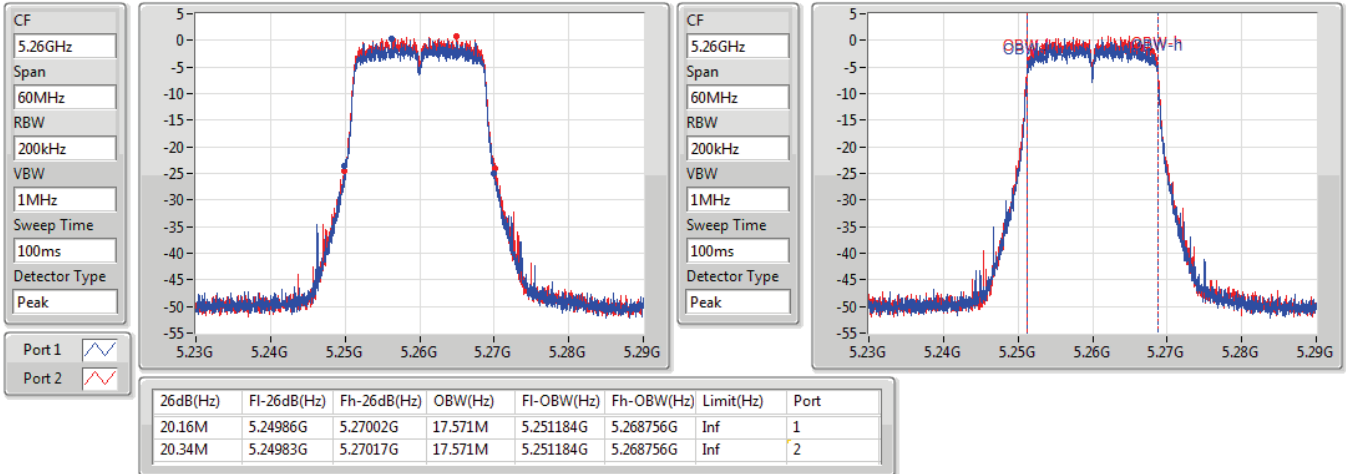
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.33M	72.194M	74.865M	72.039M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.195M	3.733M	3.18M	3.793M

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

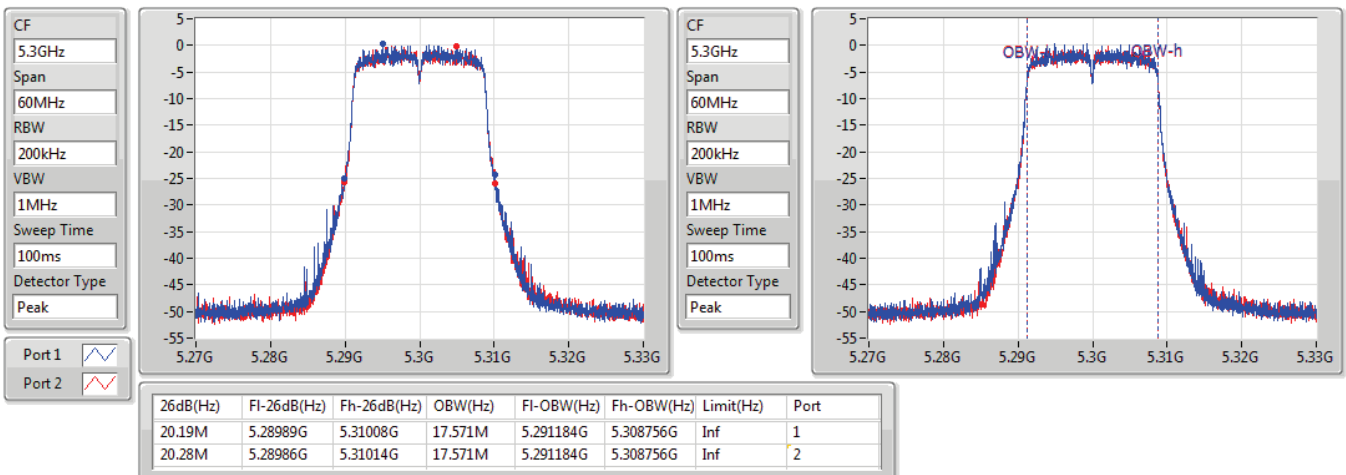
Port X-OBW = Port X 99% occupied bandwidth;

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

08/12/2019

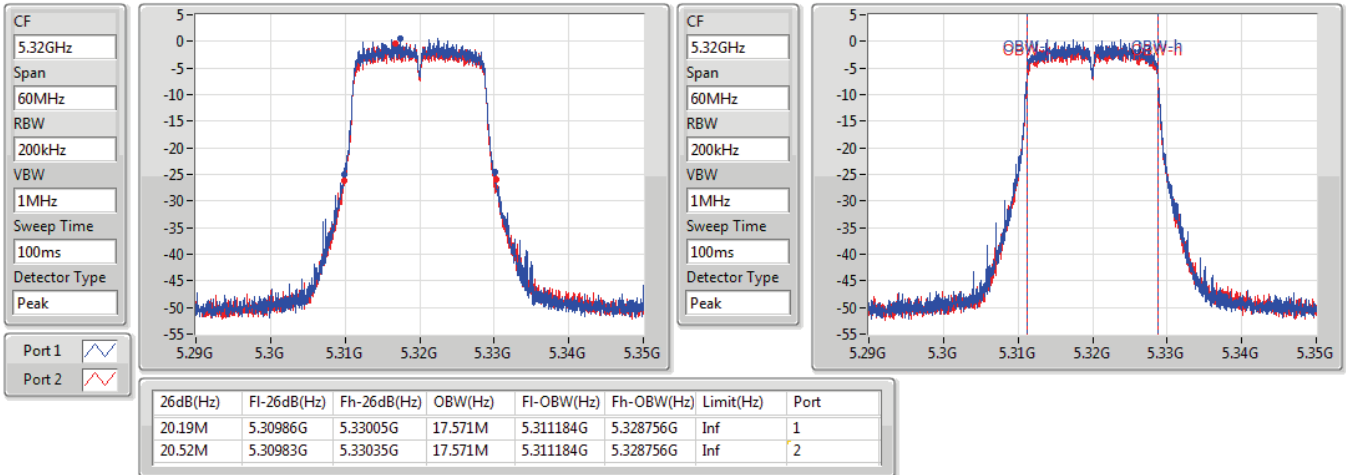

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

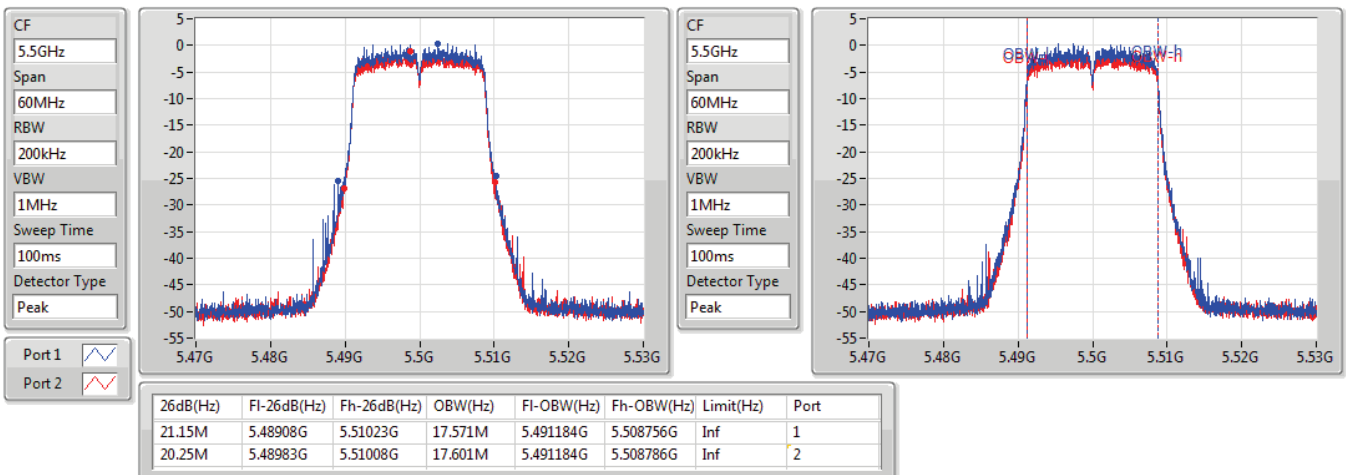


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

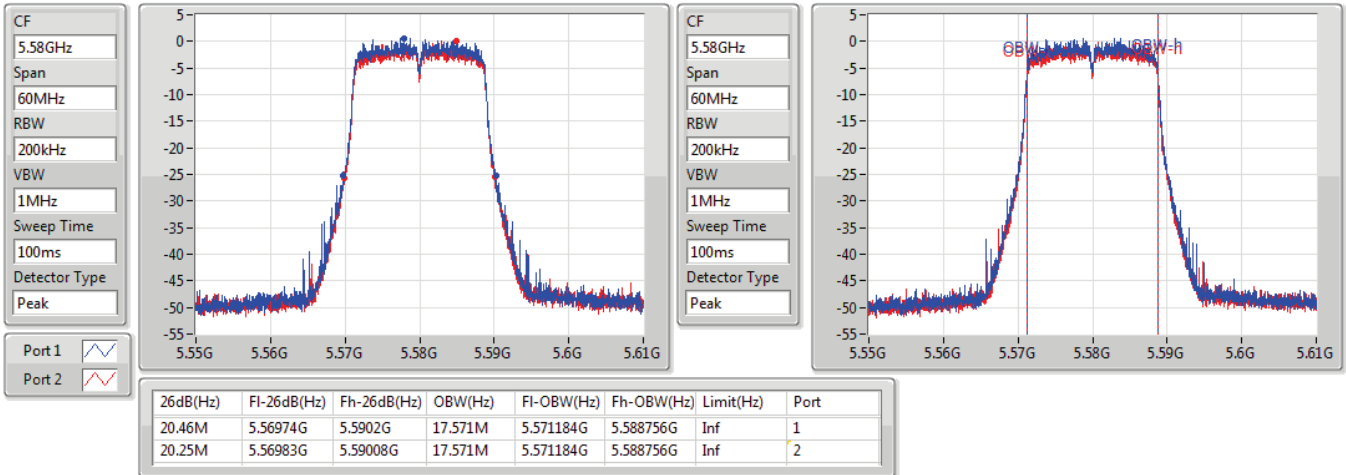

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

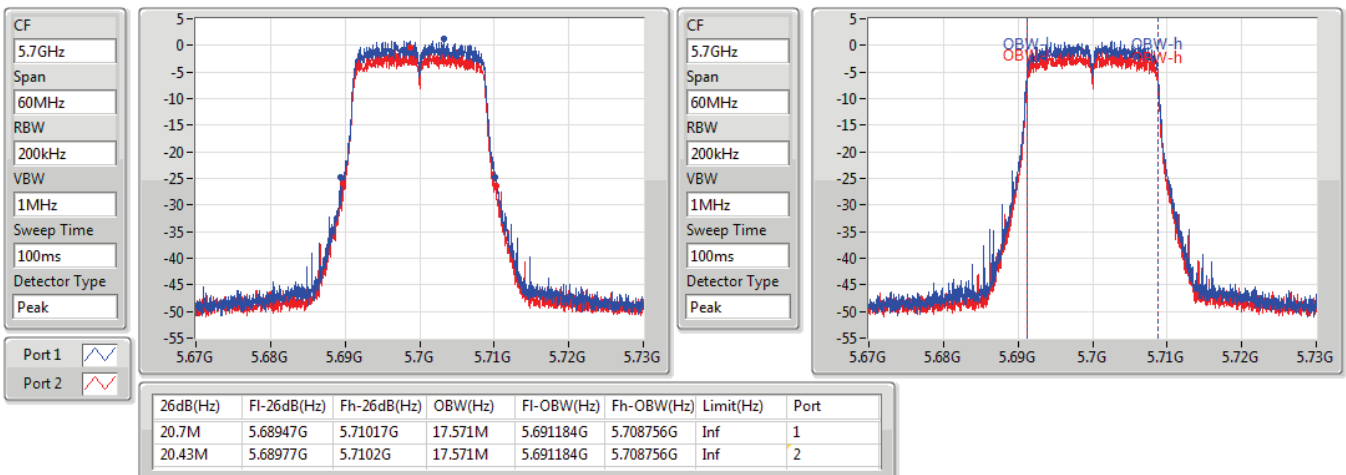


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

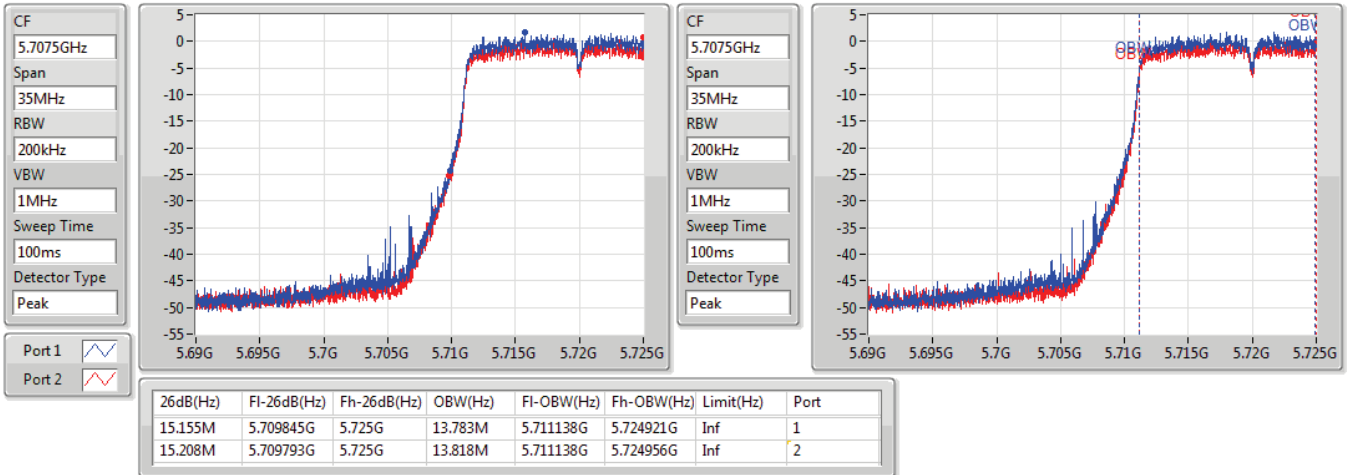

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

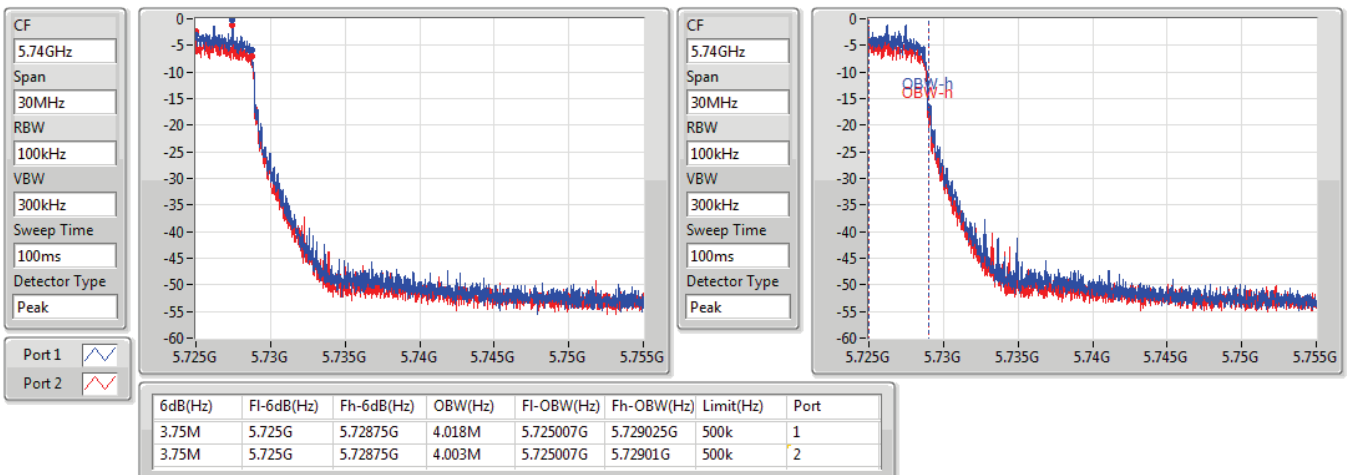


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

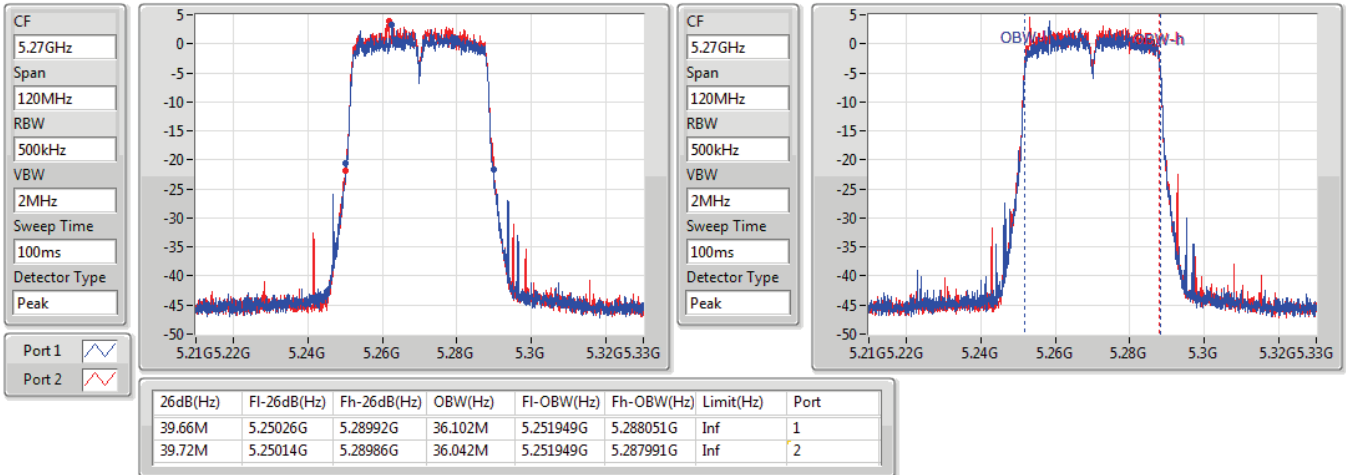

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

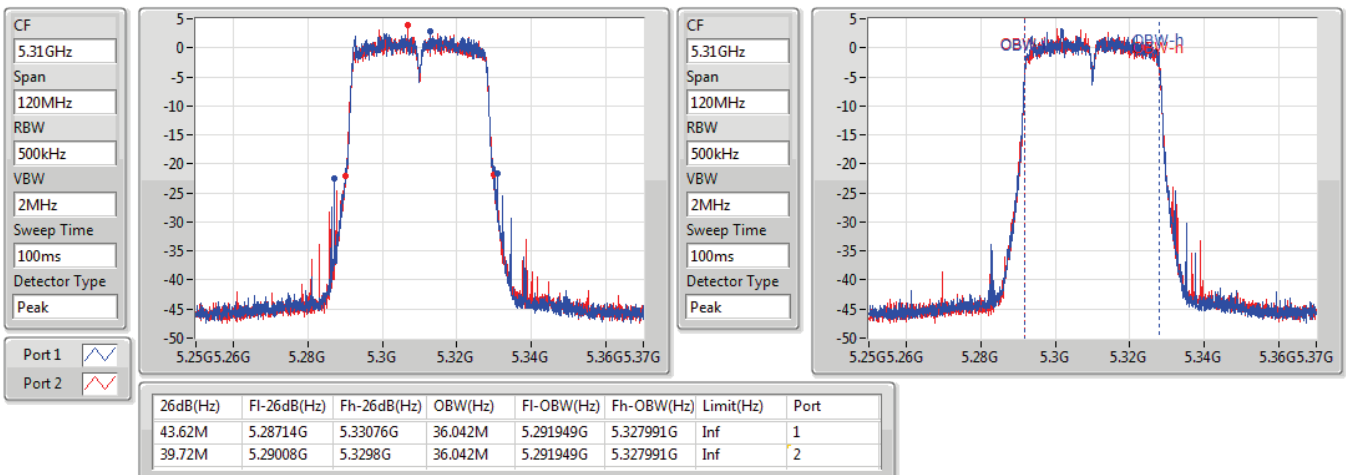


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

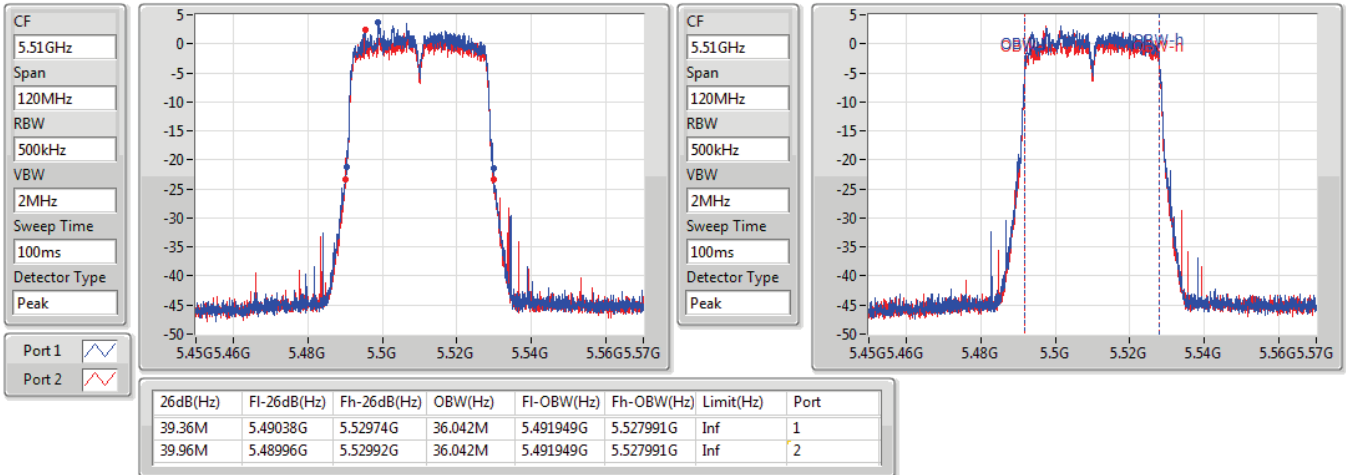

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

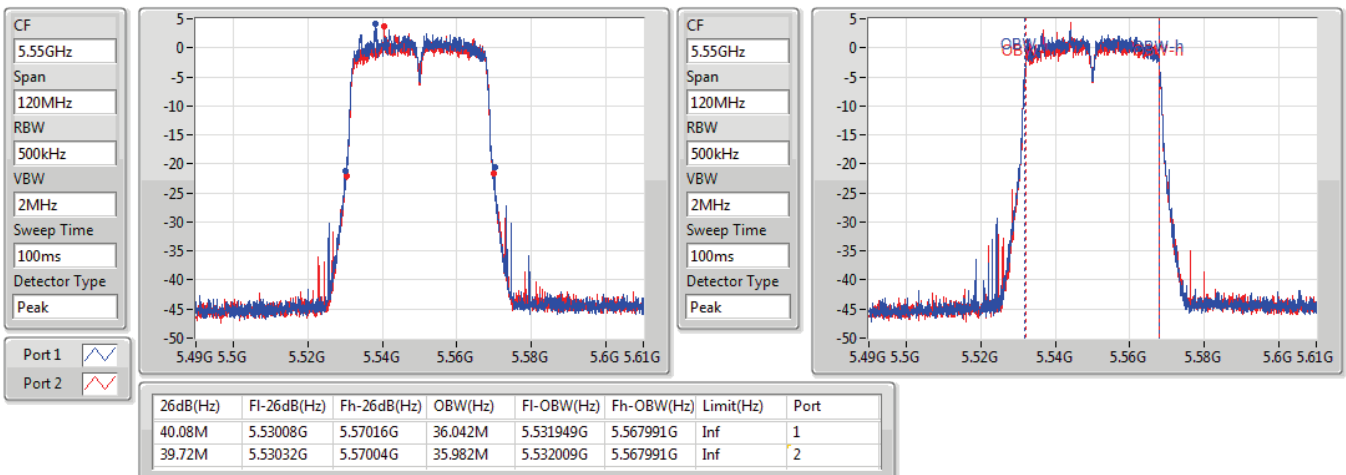


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

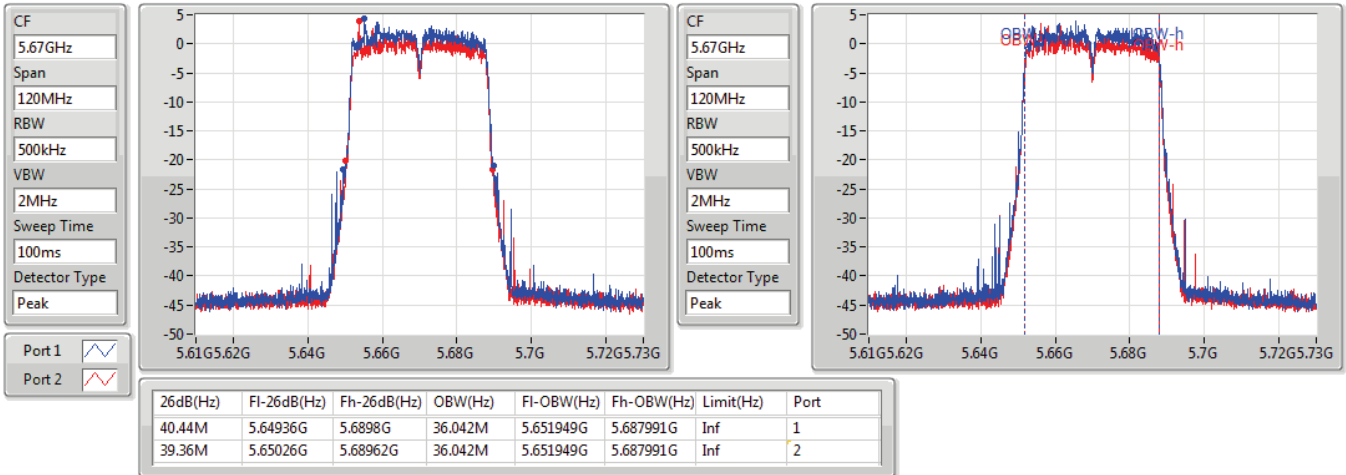

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

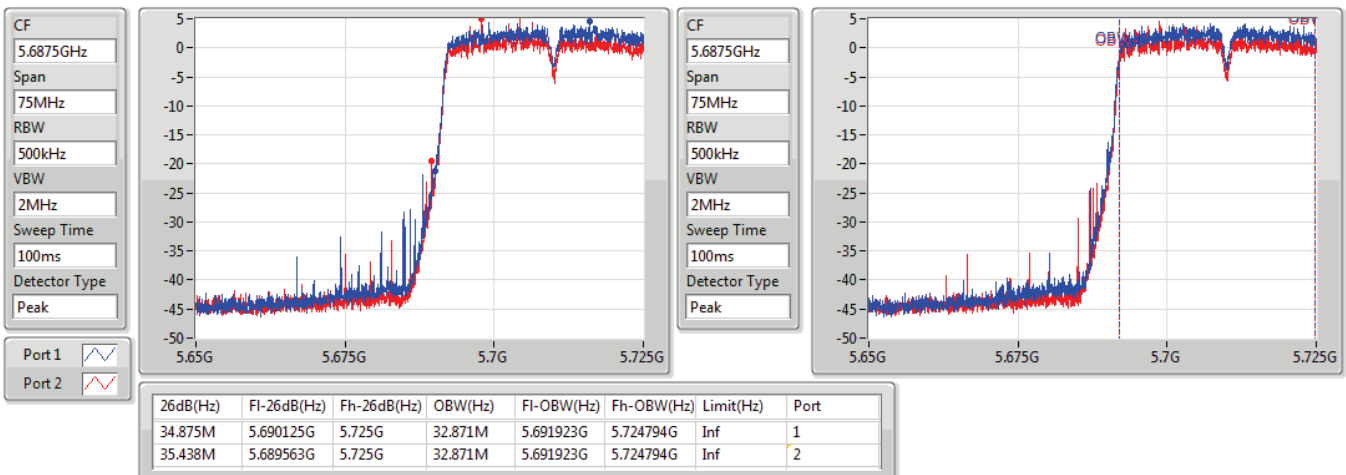


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

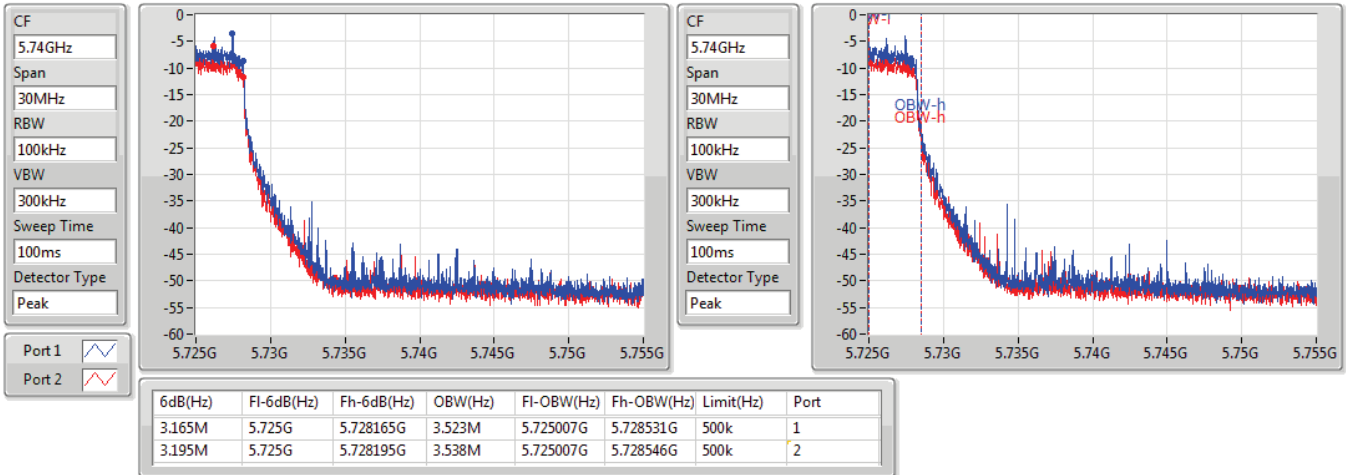

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

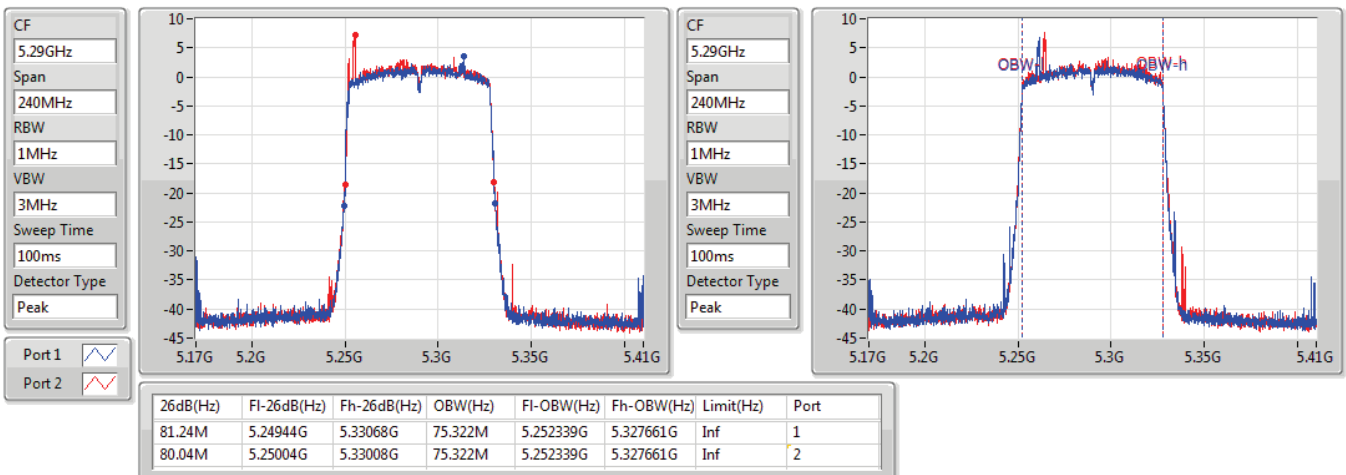


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

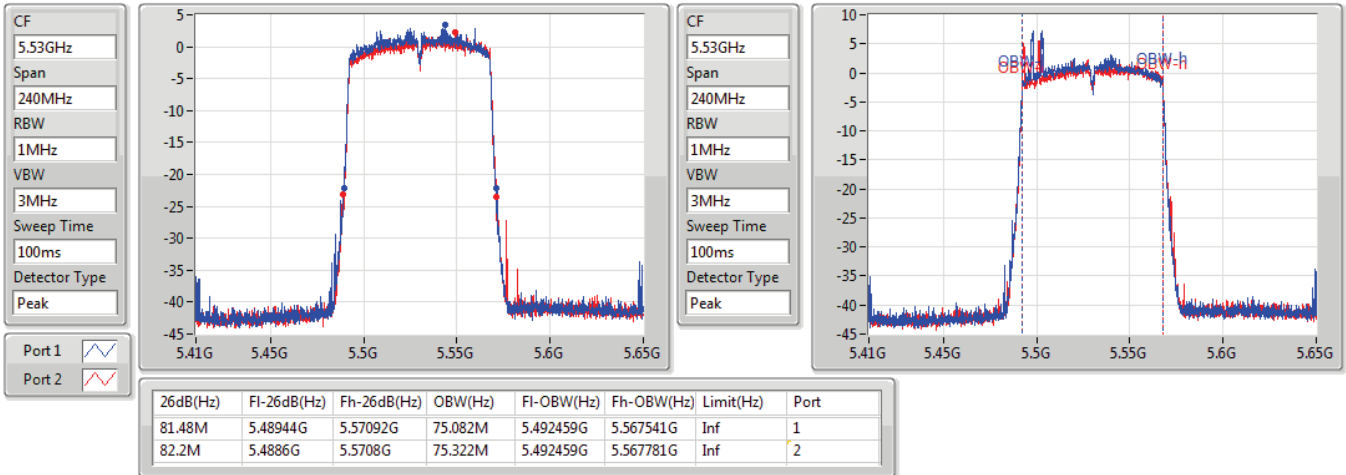

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

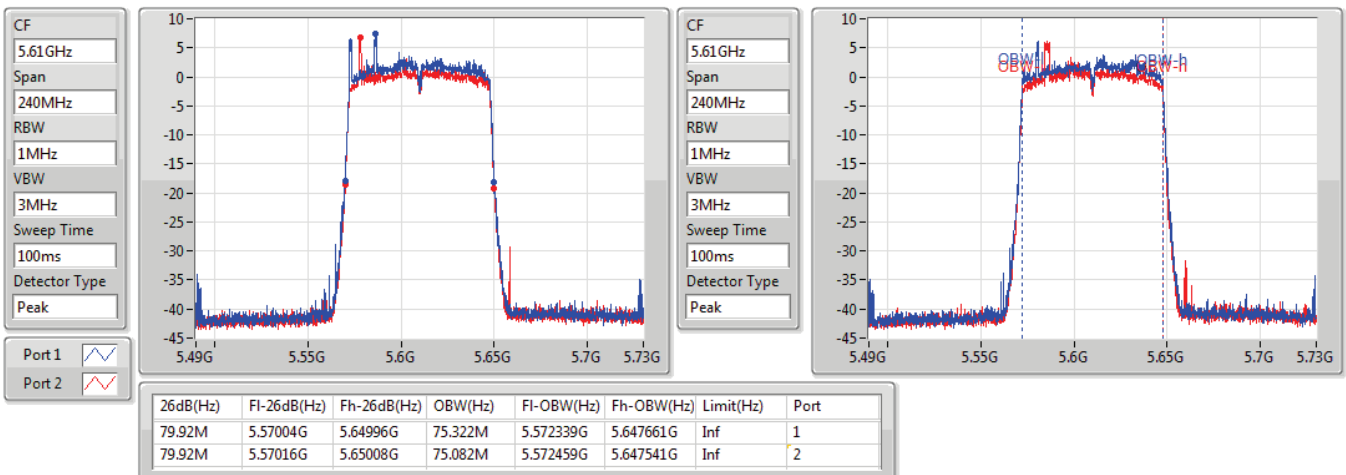


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

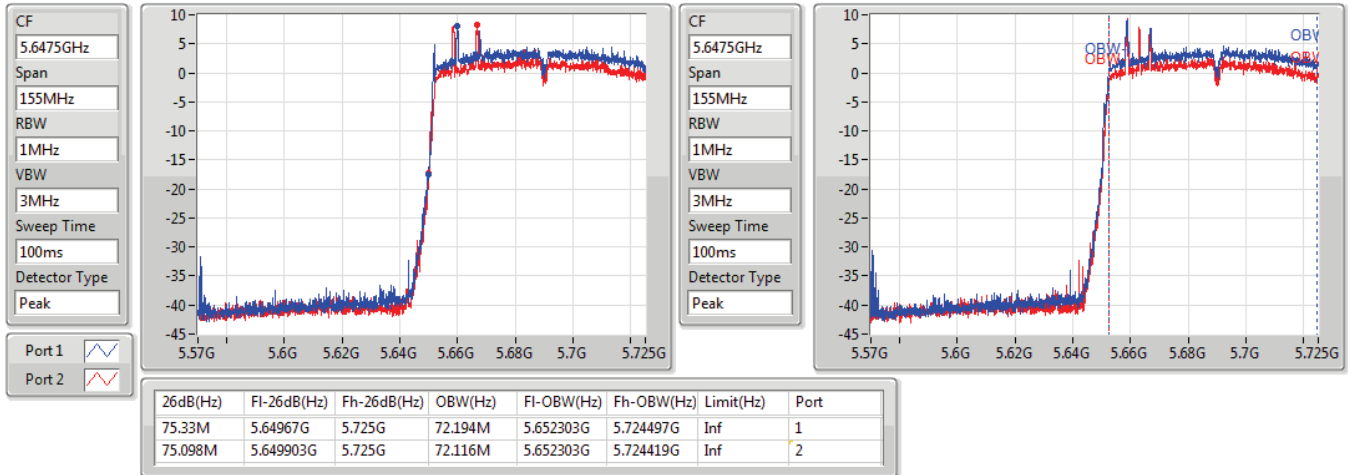

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

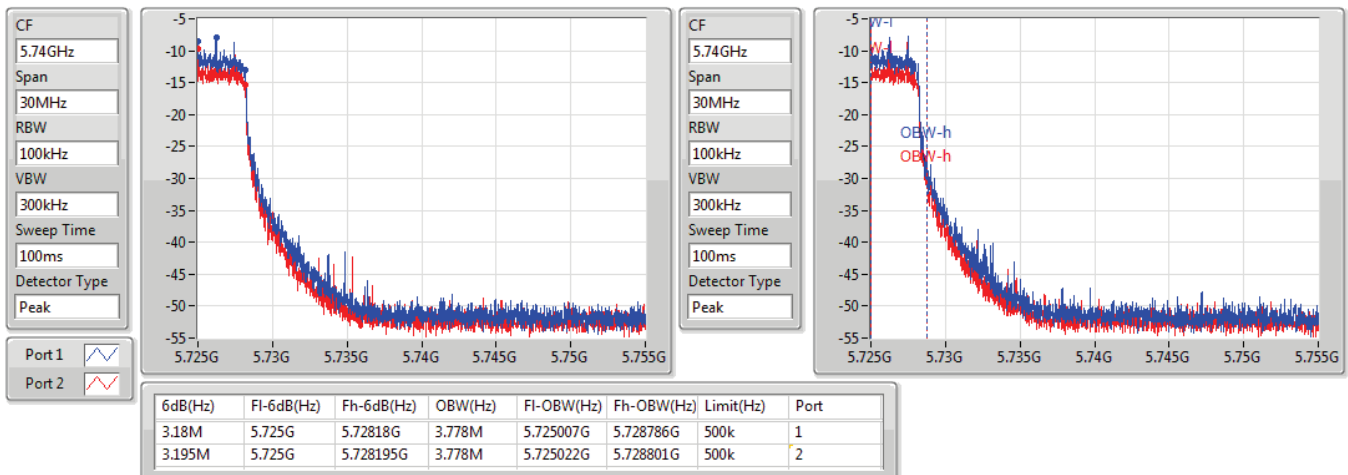


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019

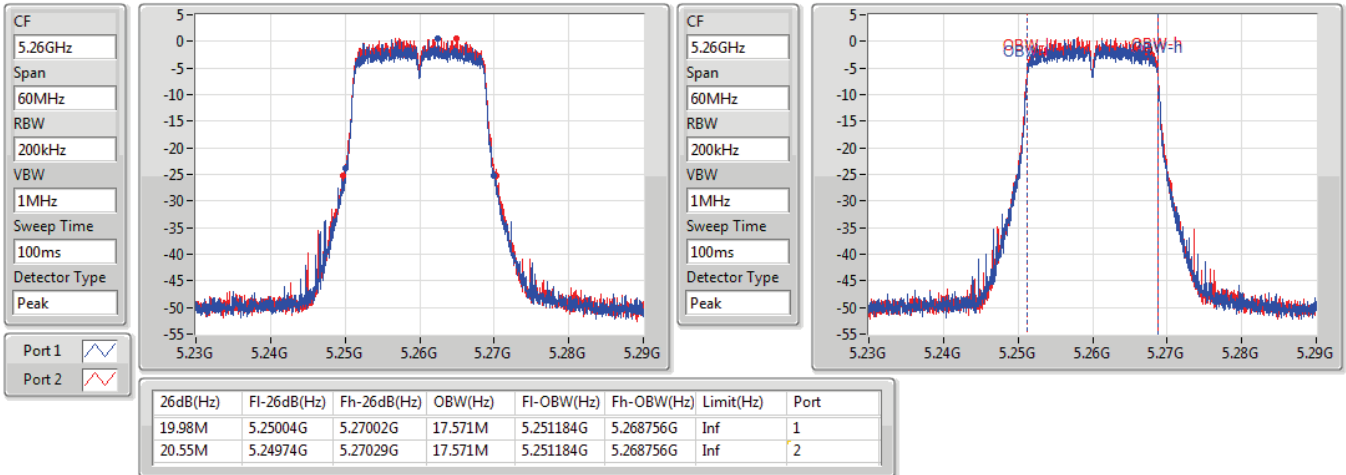

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019

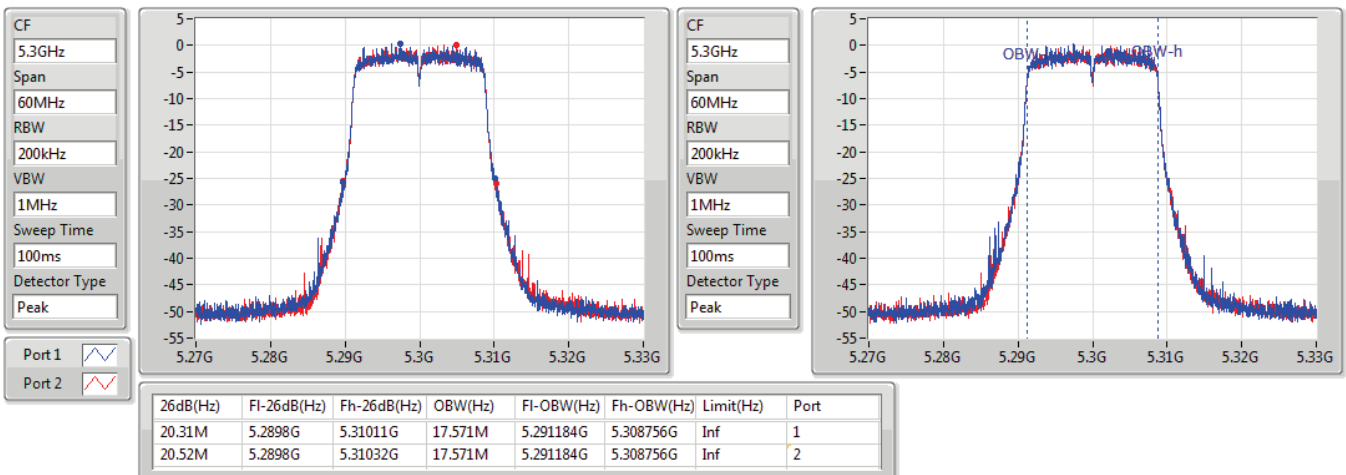


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

08/12/2019

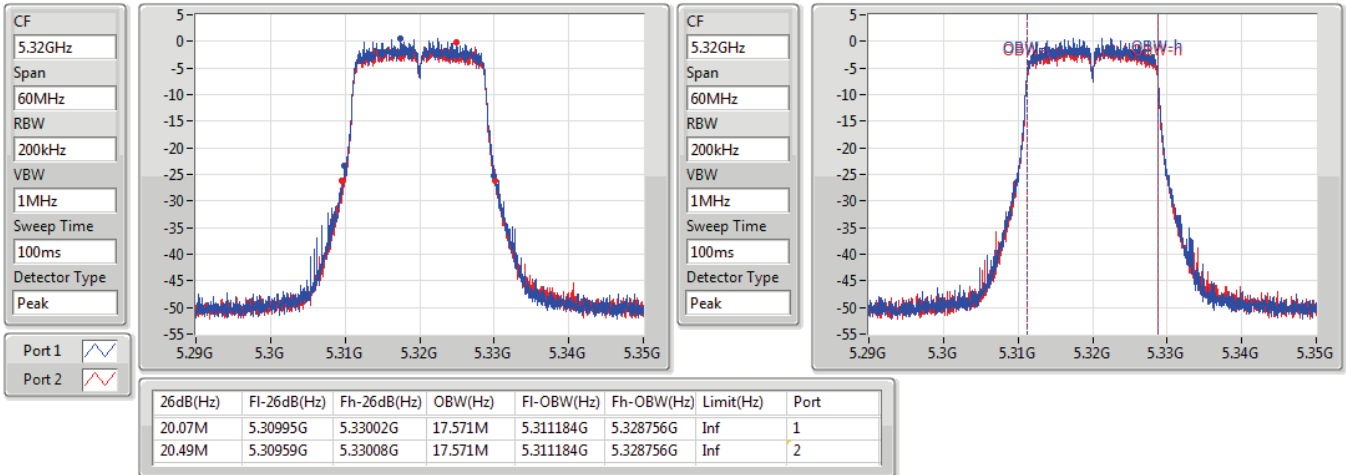

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

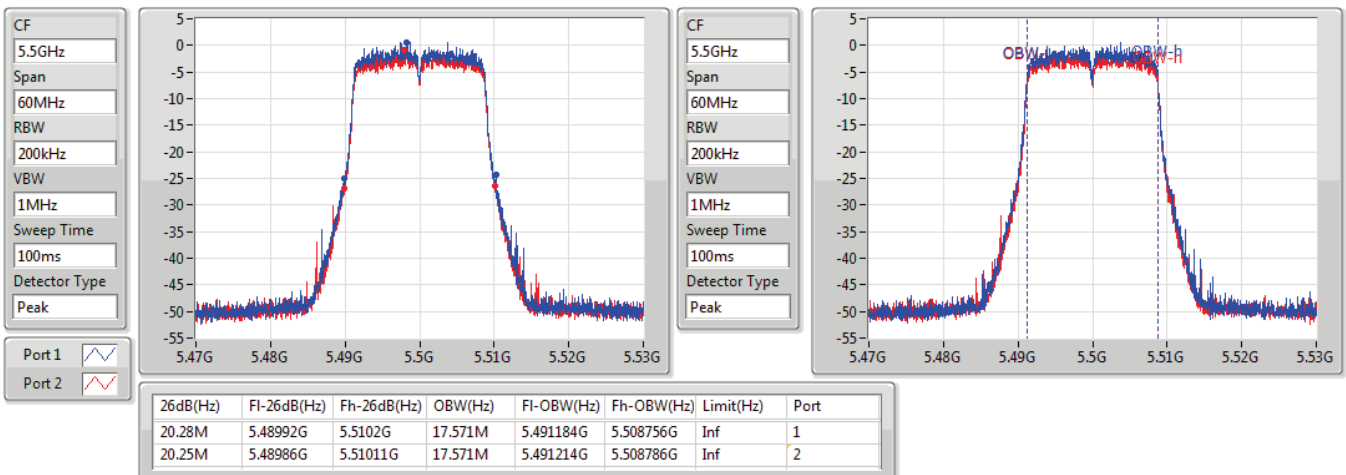


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

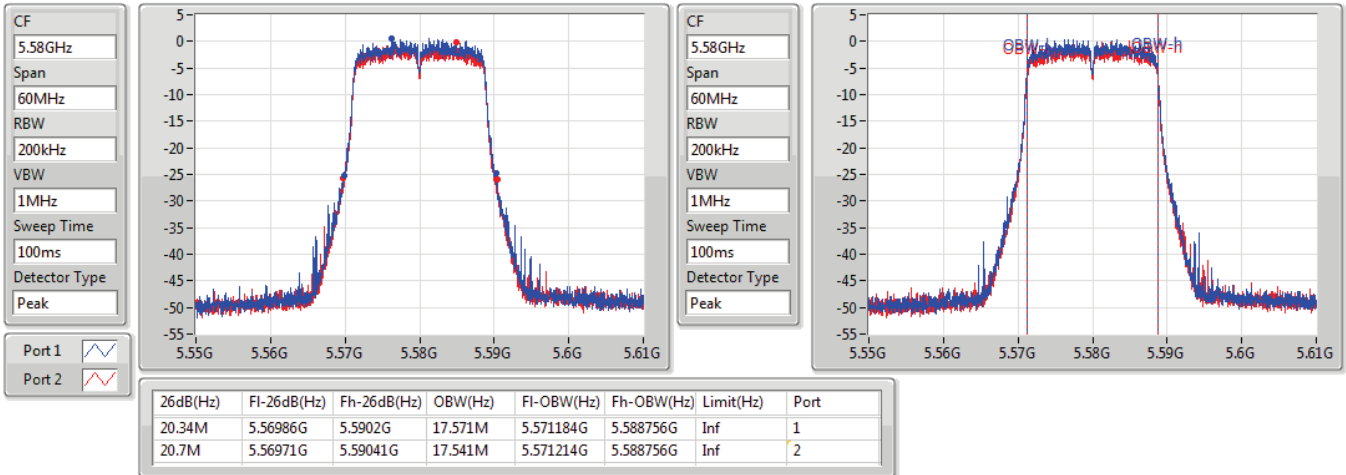

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

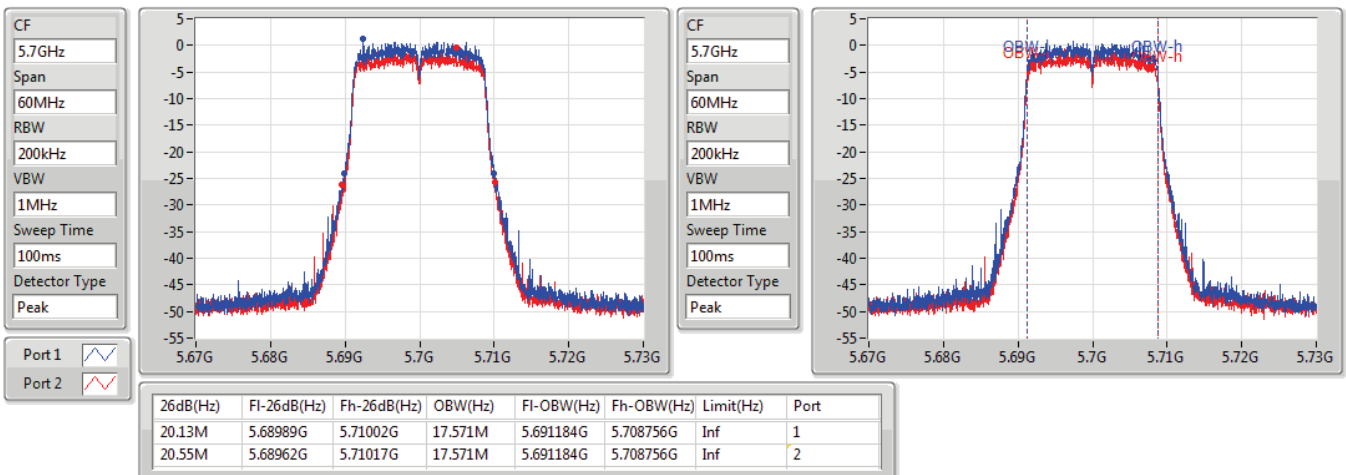


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

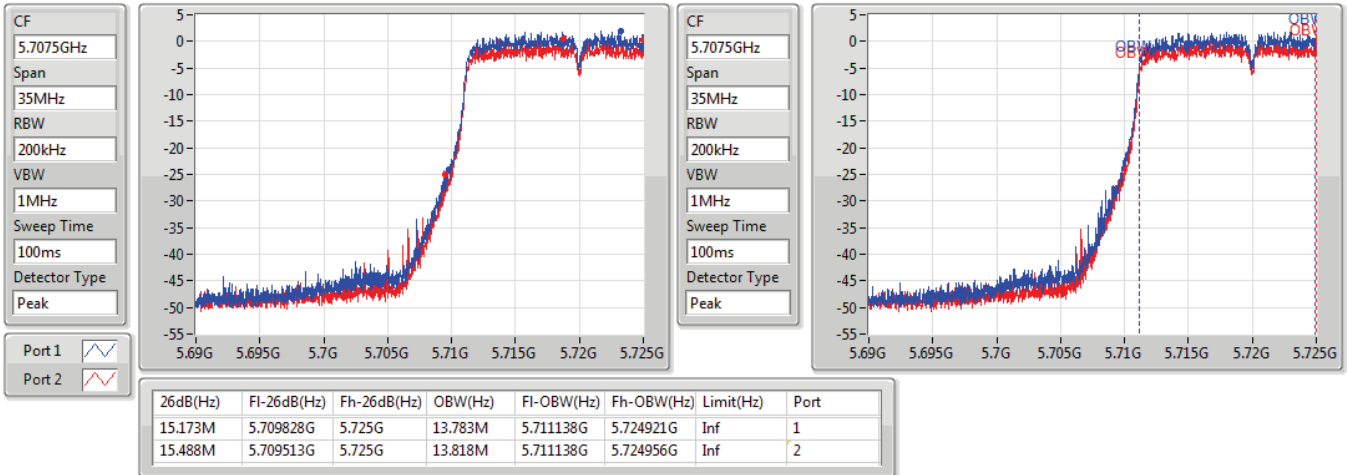

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

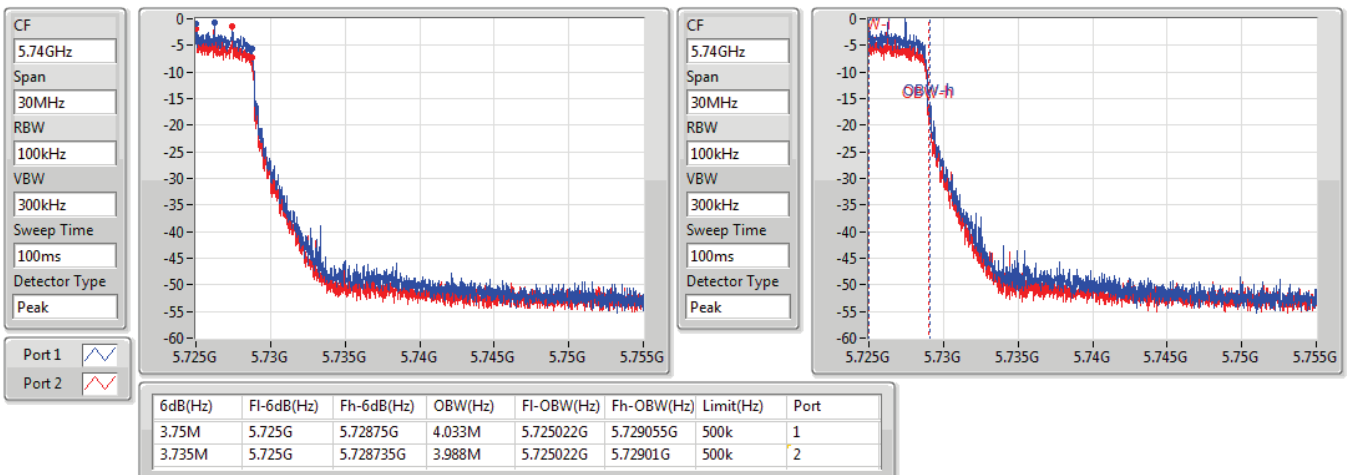


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

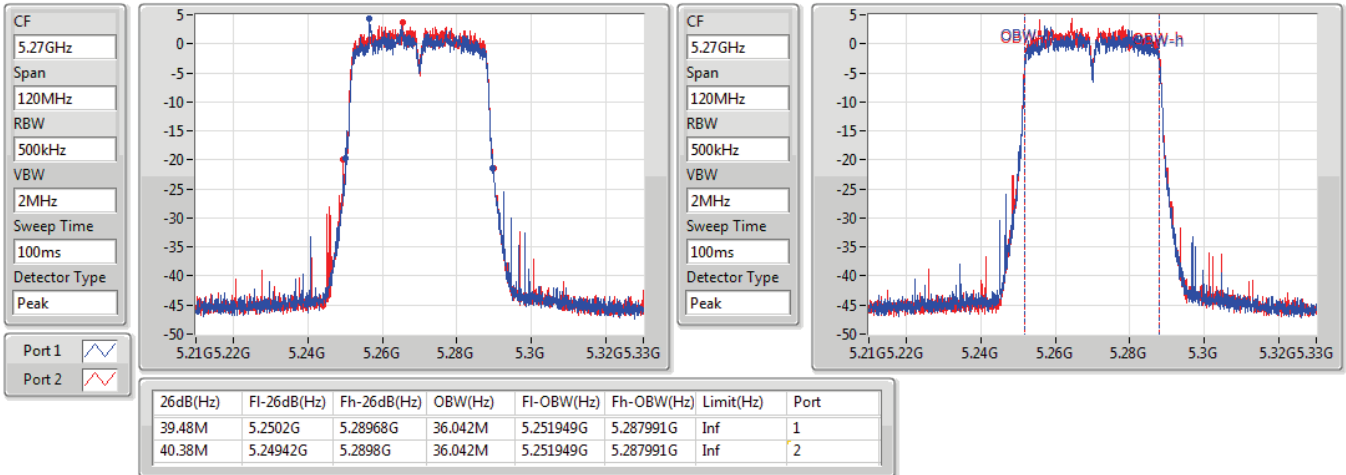

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

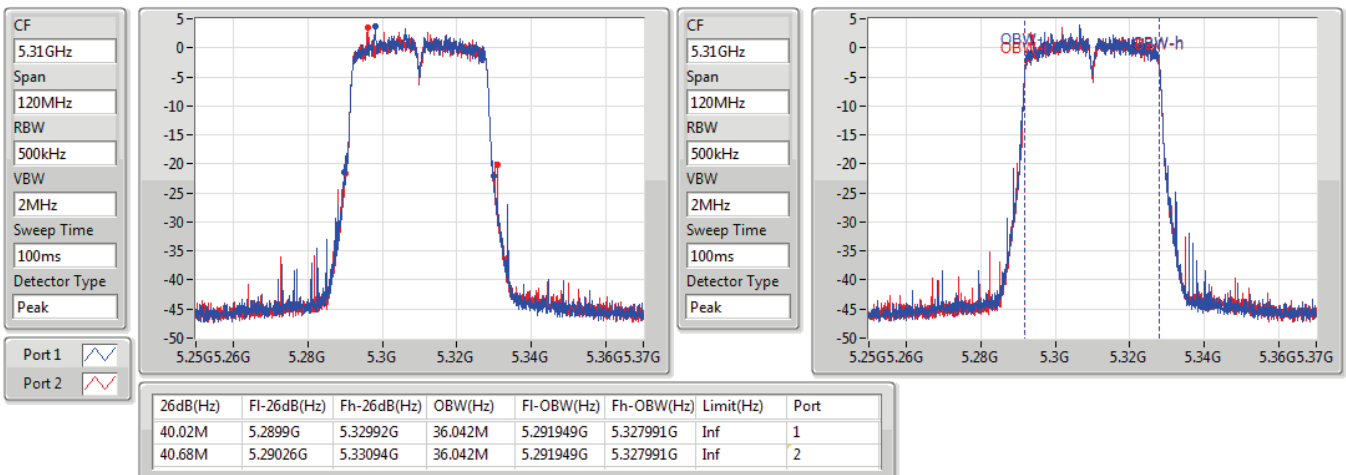


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

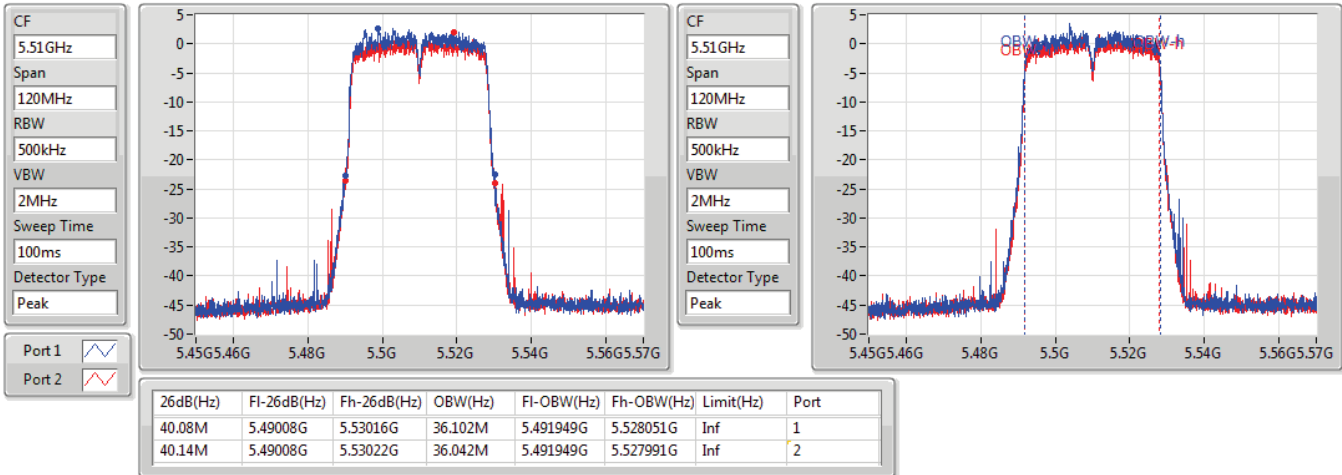

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

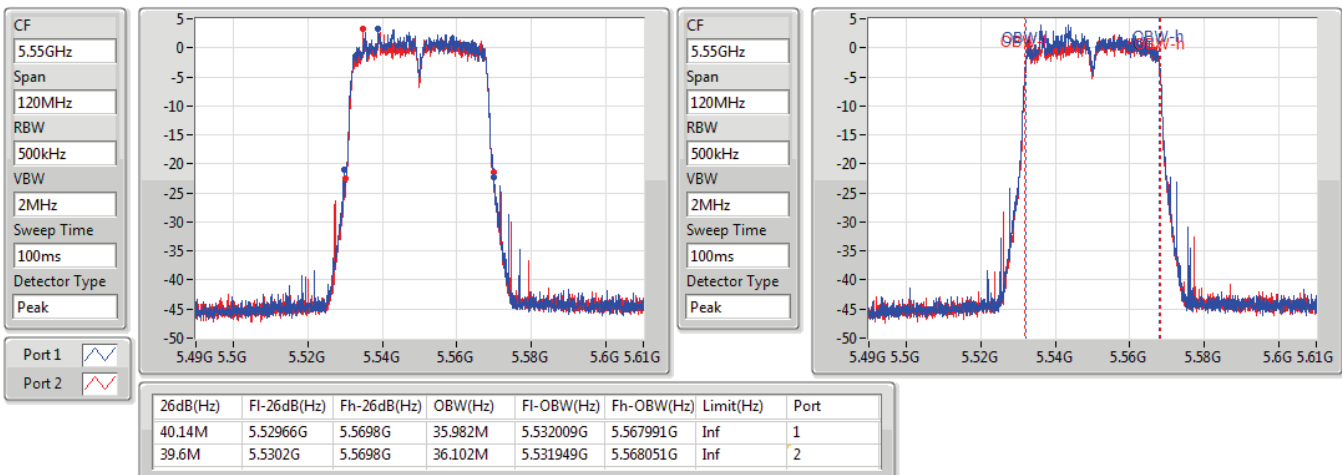


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

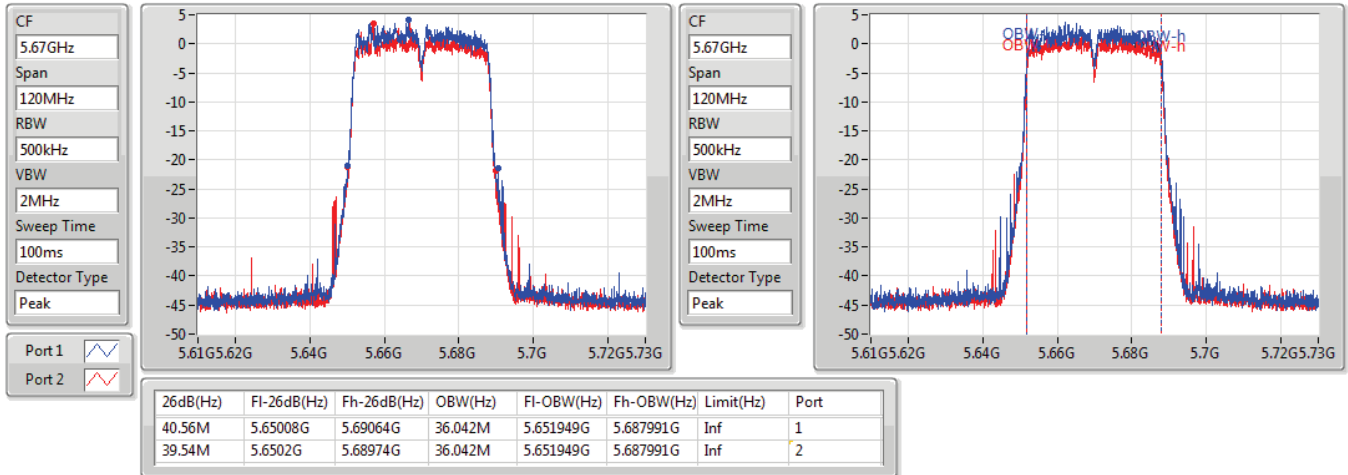

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

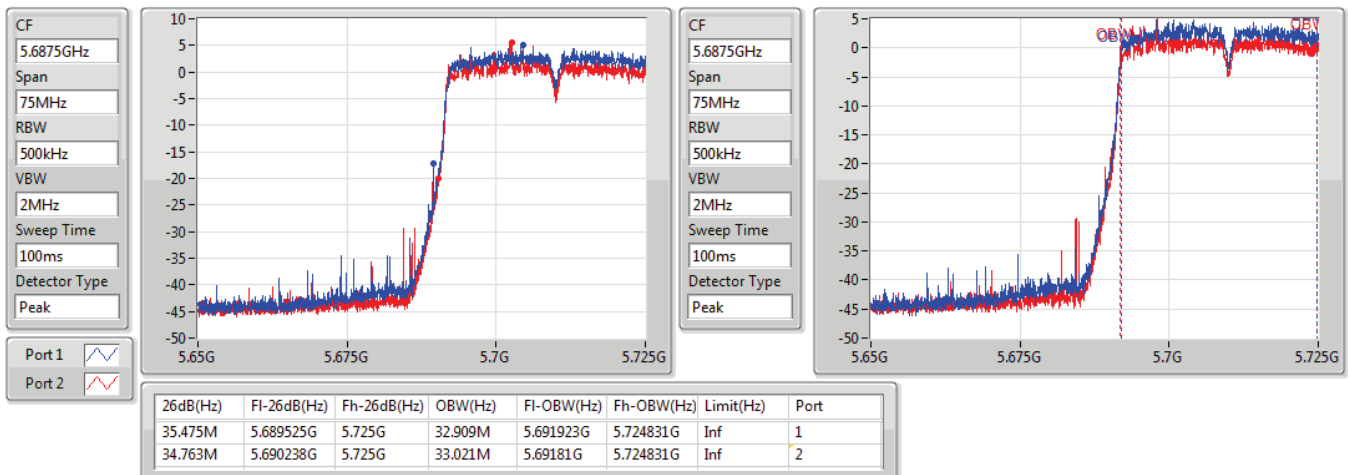


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

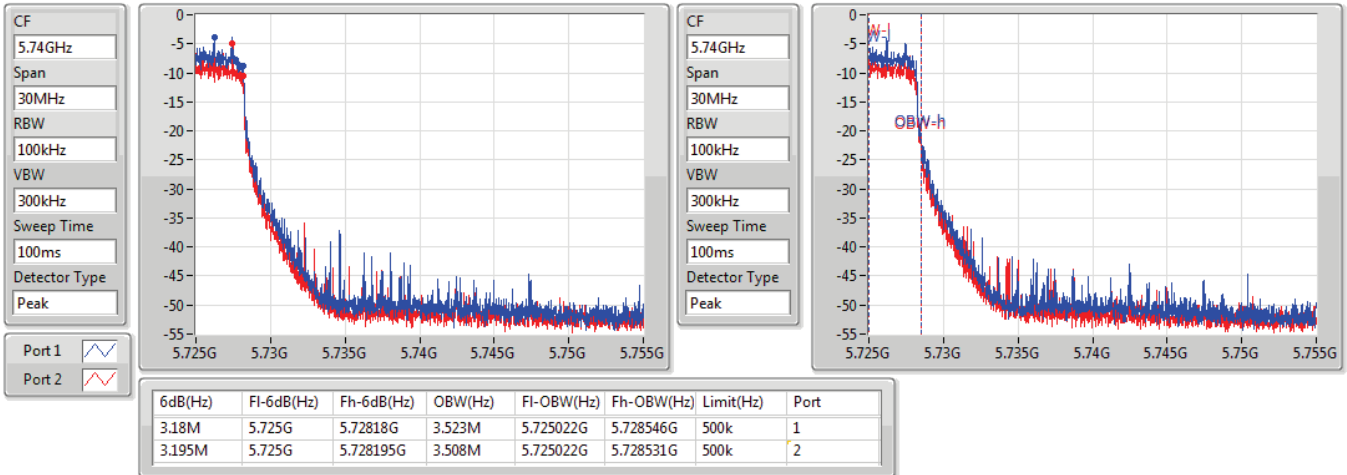

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

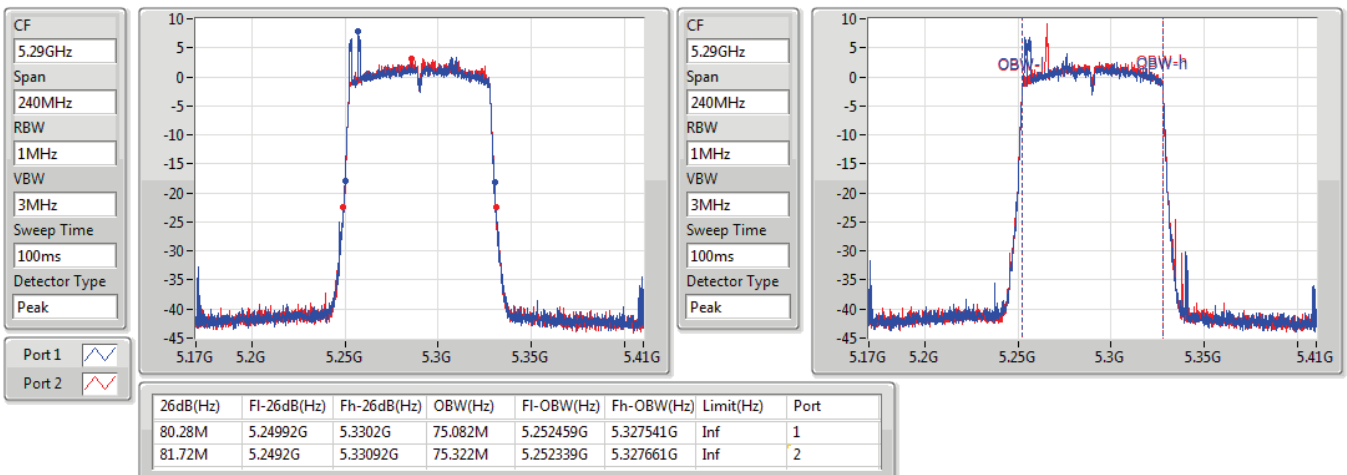


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

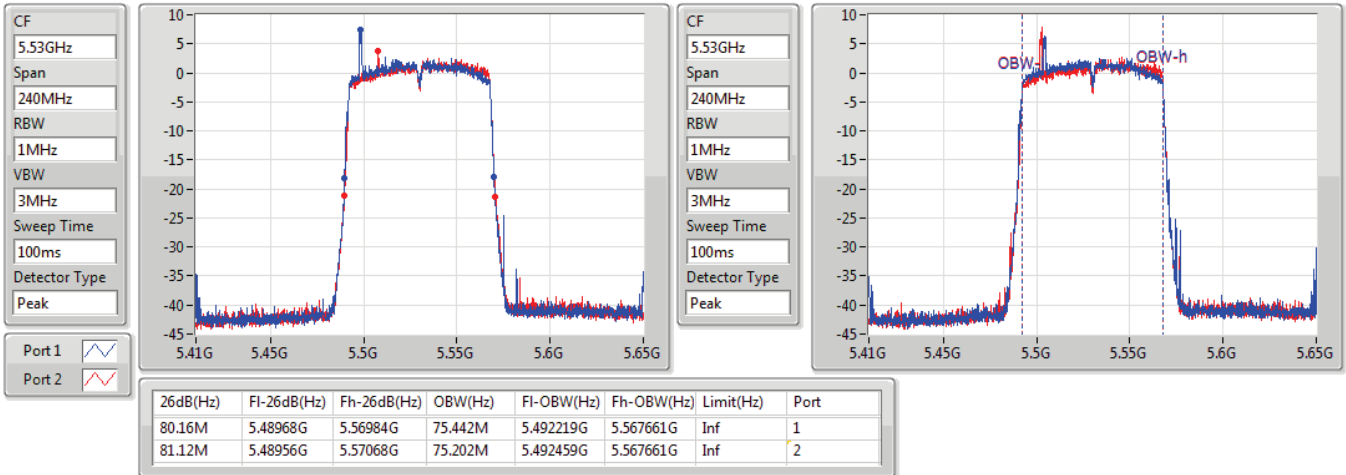

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

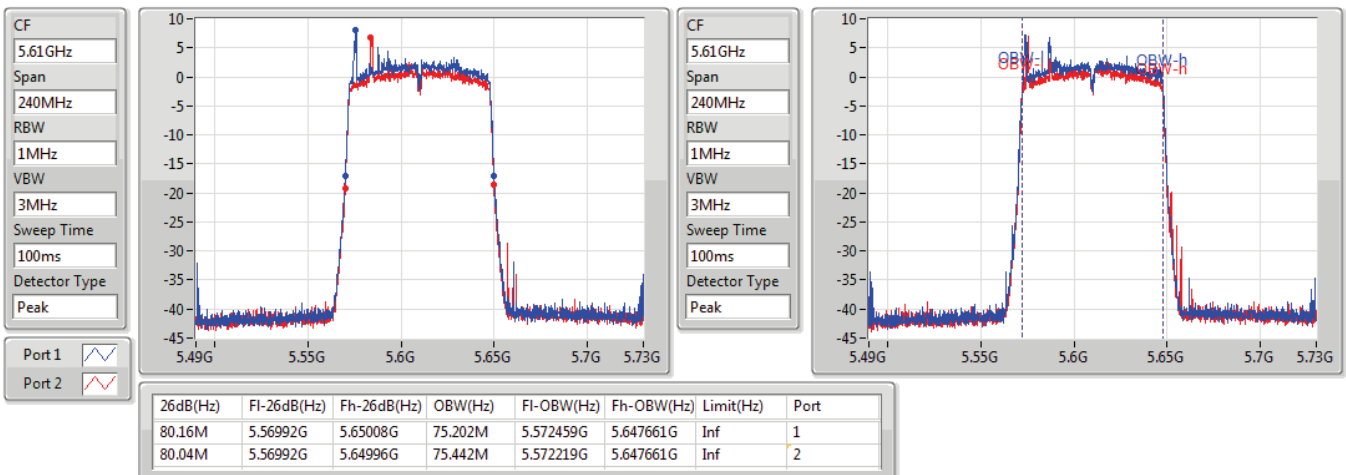


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

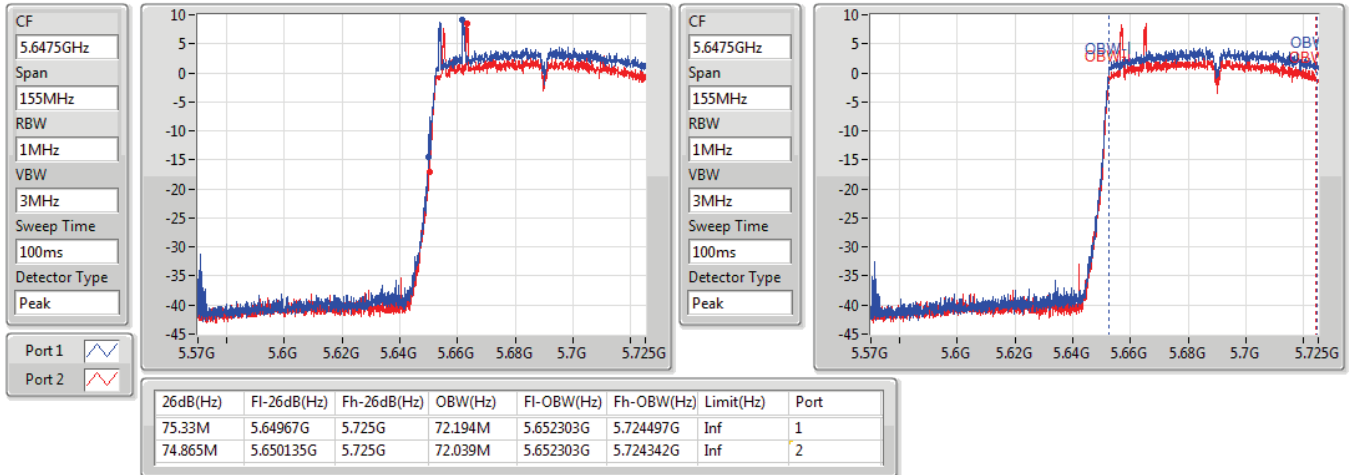

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

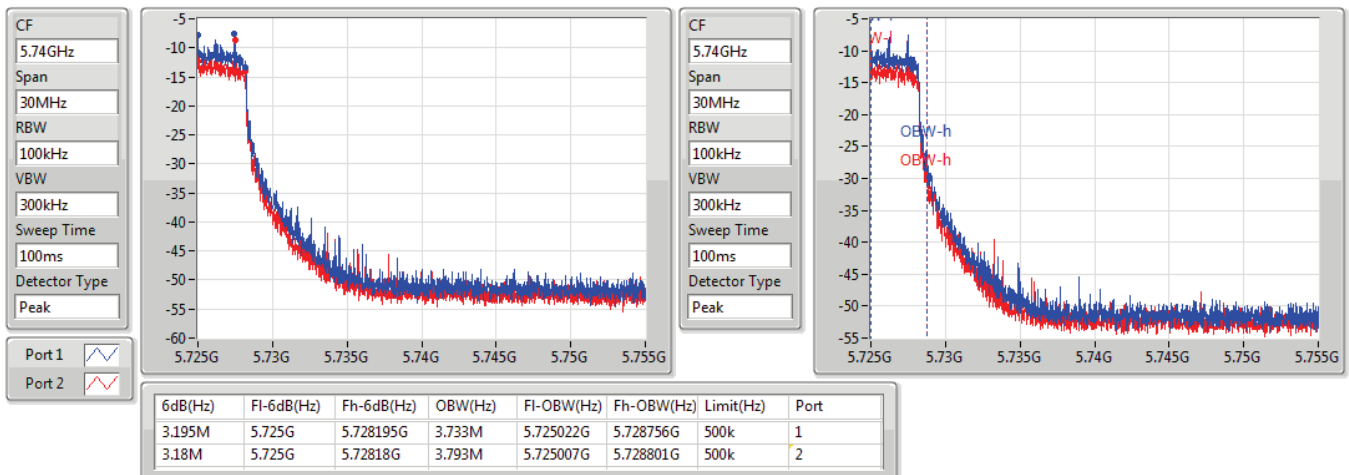


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.54	0.08995	26.54	0.45082
802.11a_Nss1,(6Mbps)_2TX	19.34	0.08590	26.34	0.43053
802.11ac VHT20_Nss1,(MCS0)_1TX	19.36	0.08630	26.36	0.43251
802.11ac VHT20_Nss1,(MCS0)_2TX	19.63	0.09183	26.63	0.46026
802.11ac VHT40_Nss1,(MCS0)_1TX	19.15	0.08222	26.15	0.41210
802.11ac VHT40_Nss1,(MCS0)_2TX	21.46	0.13996	28.46	0.70146
802.11ac VHT80_Nss1,(MCS0)_1TX	16.66	0.04634	23.66	0.23227
802.11ac VHT80_Nss1,(MCS0)_2TX	18.38	0.06887	25.38	0.34514
802.11ax HEW20_Nss1,(MCS0)_1TX	19.61	0.09141	26.61	0.45814
802.11ax HEW20_Nss1,(MCS0)_2TX	19.86	0.09683	26.86	0.48529
802.11ax HEW40_Nss1,(MCS0)_1TX	19.25	0.08414	26.25	0.42170
802.11ax HEW40_Nss1,(MCS0)_2TX	22.17	0.16482	29.17	0.82604
802.11ax HEW80_Nss1,(MCS0)_1TX	16.82	0.04808	23.82	0.24099
802.11ax HEW80_Nss1,(MCS0)_2TX	18.60	0.07244	25.60	0.36308
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20.17	0.10399	27.17	0.52119
802.11a_Nss1,(6Mbps)_2TX	19.14	0.08204	26.14	0.41115
802.11ac VHT20_Nss1,(MCS0)_1TX	20.10	0.10233	27.10	0.51286
802.11ac VHT20_Nss1,(MCS0)_2TX	19.49	0.08892	26.49	0.44566
802.11ac VHT40_Nss1,(MCS0)_1TX	20.41	0.10990	27.41	0.55081
802.11ac VHT40_Nss1,(MCS0)_2TX	22.40	0.17378	29.40	0.87096
802.11ac VHT80_Nss1,(MCS0)_1TX	19.05	0.08035	26.05	0.40272
802.11ac VHT80_Nss1,(MCS0)_2TX	20.92	0.12359	27.92	0.61944
802.11ax HEW20_Nss1,(MCS0)_1TX	20.23	0.10544	27.23	0.52845
802.11ax HEW20_Nss1,(MCS0)_2TX	19.79	0.09528	26.79	0.47753
802.11ax HEW40_Nss1,(MCS0)_1TX	20.68	0.11695	27.68	0.58614
802.11ax HEW40_Nss1,(MCS0)_2TX	22.49	0.17742	29.49	0.88920
802.11ax HEW80_Nss1,(MCS0)_1TX	19.32	0.08551	26.32	0.42855
802.11ax HEW80_Nss1,(MCS0)_2TX	21.24	0.13305	28.24	0.66681
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	12.85	0.01928	19.85	0.09661
802.11a_Nss1,(6Mbps)_2TX	12.11	0.01626	19.11	0.08147
802.11ac VHT20_Nss1,(MCS0)_1TX	13.13	0.02056	20.13	0.10304
802.11ac VHT20_Nss1,(MCS0)_2TX	12.91	0.01954	19.91	0.09795
802.11ac VHT40_Nss1,(MCS0)_1TX	9.43	0.00877	16.43	0.04395
802.11ac VHT40_Nss1,(MCS0)_2TX	11.48	0.01406	18.48	0.07047
802.11ac VHT80_Nss1,(MCS0)_1TX	3.85	0.00243	10.85	0.01216
802.11ac VHT80_Nss1,(MCS0)_2TX	5.74	0.00375	12.74	0.01879
802.11ax HEW20_Nss1,(MCS0)_1TX	13.66	0.02323	20.66	0.11641
802.11ax HEW20_Nss1,(MCS0)_2TX	13.51	0.02244	20.51	0.11246
802.11ax HEW40_Nss1,(MCS0)_1TX	10.78	0.01197	17.78	0.05998
802.11ax HEW40_Nss1,(MCS0)_2TX	12.51	0.01782	19.51	0.08933
802.11ax HEW80_Nss1,(MCS0)_1TX	5.11	0.00324	12.11	0.01626



Average Power_Group 1_Non-Beamforming

Appendix B.1

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	6.98	0.00499	13.98	0.02500

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)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.54		19.54	22.98	26.54	30.00
5300MHz	Pass	7.00	19.07		19.07	22.98	26.07	30.00
5320MHz	Pass	7.00	18.04		18.04	22.98	25.04	30.00
5500MHz	Pass	7.00	16.81		16.81	22.97	23.81	29.97
5580MHz	Pass	7.00	20.17		20.17	22.98	27.17	30.00
5700MHz	Pass	7.00	15.93		15.93	22.91	22.93	29.91
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.36		19.36	22.98	26.36	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	12.85		12.85	29.00	19.85	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	16.13	16.52	19.34	22.92	26.34	29.92
5300MHz	Pass	7.00	16.22	16.30	19.27	22.98	26.27	30.00
5320MHz	Pass	7.00	16.43	15.68	19.08	23.00	26.08	30.00
5500MHz	Pass	7.00	16.38	15.86	19.14	22.91	26.14	29.91
5580MHz	Pass	7.00	16.17	16.07	19.13	22.87	26.13	29.87
5700MHz	Pass	7.00	15.43	14.73	18.10	22.87	25.10	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	15.76	15.43	18.61	21.67	25.61	28.67
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	9.30	8.89	12.11	29.00	19.11	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.36		19.36	22.98	26.36	30.00
5300MHz	Pass	7.00	18.94		18.94	22.98	25.94	30.00
5320MHz	Pass	7.00	17.62		17.62	22.98	24.62	30.00
5500MHz	Pass	7.00	17.20		17.20	22.98	24.20	30.00
5580MHz	Pass	7.00	20.10		20.10	22.98	27.10	30.00
5700MHz	Pass	7.00	16.13		16.13	22.98	23.13	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.15		19.15	22.98	26.15	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	13.13		13.13	29.00	20.13	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	15.87	16.48	19.20	22.98	26.20	30.00
5300MHz	Pass	7.00	16.56	16.67	19.63	22.98	26.63	30.00
5320MHz	Pass	7.00	16.75	15.95	19.38	22.98	26.38	30.00
5500MHz	Pass	7.00	16.69	15.83	19.29	22.98	26.29	30.00
5580MHz	Pass	7.00	16.56	16.40	19.49	22.98	26.49	30.00
5700MHz	Pass	7.00	16.60	16.15	19.39	22.98	26.39	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	15.98	15.68	18.84	21.80	25.84	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	9.90	9.90	12.91	29.00	19.91	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	19.15		19.15	22.98	26.15	30.00
5310MHz	Pass	7.00	17.32		17.32	22.98	24.32	30.00
5510MHz	Pass	7.00	15.89		15.89	22.98	22.89	30.00
5550MHz	Pass	7.00	18.72		18.72	22.98	25.72	30.00
5670MHz	Pass	7.00	17.56		17.56	22.98	24.56	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	20.41		20.41	22.98	27.41	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	9.43		9.43	29.00	16.43	36.00



Average Power_Group 1_Non-Beamforming

Appendix B.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	18.17	18.71	21.46	22.98	28.46	30.00
5310MHz	Pass	7.00	16.05	15.83	18.95	22.98	25.95	30.00
5510MHz	Pass	7.00	15.67	15.03	18.37	22.98	25.37	30.00
5550MHz	Pass	7.00	17.75	17.01	20.41	22.98	27.41	30.00
5670MHz	Pass	7.00	16.56	16.10	19.35	22.98	26.35	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	19.51	19.26	22.40	22.98	29.40	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	8.44	8.50	11.48	29.00	18.48	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	16.66		16.66	22.98	23.66	30.00
5530MHz	Pass	7.00	15.85		15.85	22.98	22.85	30.00
5610MHz	Pass	7.00	17.73		17.73	22.98	24.73	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	19.05		19.05	22.98	26.05	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	3.85		3.85	29.00	10.85	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	15.27	15.46	18.38	22.98	25.38	30.00
5530MHz	Pass	7.00	14.93	14.49	17.73	22.98	24.73	30.00
5610MHz	Pass	7.00	16.23	15.92	19.09	22.98	26.09	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	18.07	17.75	20.92	22.98	27.92	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	2.83	2.62	5.74	29.00	12.74	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.61		19.61	22.98	26.61	30.00
5300MHz	Pass	7.00	19.16		19.16	22.98	26.16	30.00
5320MHz	Pass	7.00	17.89		17.89	22.98	24.89	30.00
5500MHz	Pass	7.00	17.30		17.30	22.98	24.30	30.00
5580MHz	Pass	7.00	20.23		20.23	22.98	27.23	30.00
5700MHz	Pass	7.00	16.35		16.35	22.98	23.35	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.20		19.20	22.98	26.20	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	13.66		13.66	29.00	20.66	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	16.33	16.55	19.45	22.98	26.45	30.00
5300MHz	Pass	7.00	16.87	16.82	19.86	22.98	26.86	30.00
5320MHz	Pass	7.00	16.92	16.24	19.60	22.98	26.60	30.00
5500MHz	Pass	7.00	16.99	16.35	19.69	22.98	26.69	30.00
5580MHz	Pass	7.00	16.85	16.71	19.79	22.98	26.79	30.00
5700MHz	Pass	7.00	16.69	16.46	19.59	22.98	26.59	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	16.11	15.91	19.02	21.92	26.02	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	10.71	10.28	13.51	29.00	20.51	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	19.25		19.25	22.98	26.25	30.00
5310MHz	Pass	7.00	17.44		17.44	22.98	24.44	30.00
5510MHz	Pass	7.00	16.13		16.13	22.98	23.13	30.00
5550MHz	Pass	7.00	18.84		18.84	22.98	25.84	30.00
5670MHz	Pass	7.00	17.62		17.62	22.98	24.62	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	20.68		20.68	22.98	27.68	30.00



Average Power_Group 1_Non-Beamforming

Appendix B.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	10.78		10.78	29.00	17.78	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	18.84	19.45	22.17	22.98	29.17	30.00
5310MHz	Pass	7.00	16.12	15.96	19.05	22.98	26.05	30.00
5510MHz	Pass	7.00	15.80	15.19	18.52	22.98	25.52	30.00
5550MHz	Pass	7.00	17.88	17.85	20.88	22.98	27.88	30.00
5670MHz	Pass	7.00	16.73	16.27	19.52	22.98	26.52	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	19.63	19.32	22.49	22.98	29.49	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	9.49	9.50	12.51	29.00	19.51	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	16.82		16.82	22.98	23.82	30.00
5530MHz	Pass	7.00	16.06		16.06	22.98	23.06	30.00
5610MHz	Pass	7.00	18.01		18.01	22.98	25.01	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	19.32		19.32	22.98	26.32	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	5.11		5.11	29.00	12.11	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	15.42	15.75	18.60	22.98	25.60	30.00
5530MHz	Pass	7.00	15.20	14.68	17.96	22.98	24.96	30.00
5610MHz	Pass	7.00	16.39	16.10	19.26	22.98	26.26	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	18.38	18.08	21.24	22.98	28.24	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	4.11	3.83	6.98	29.00	13.98	36.00

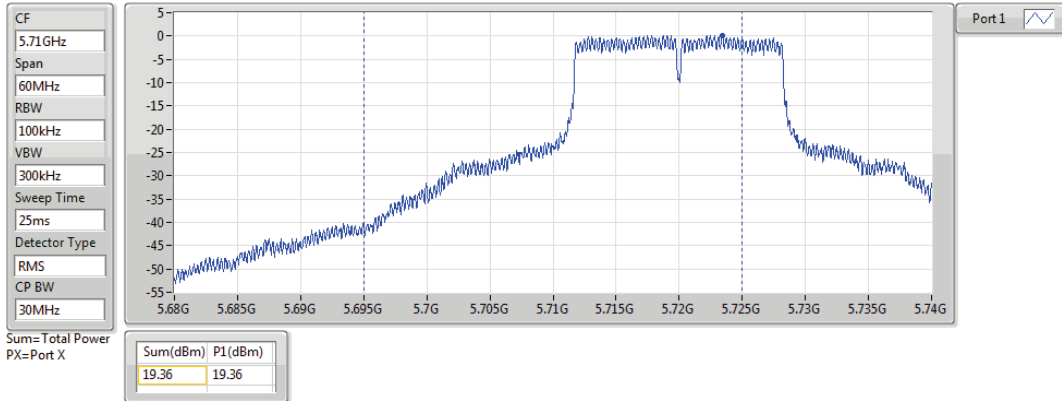
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX(Port1)

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

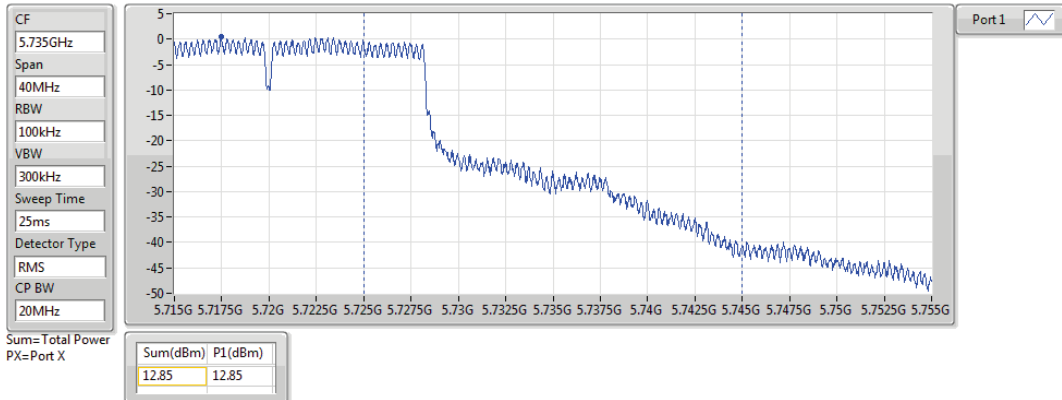


802.11a_Nss1,(6Mbps)_1TX(Port1)

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

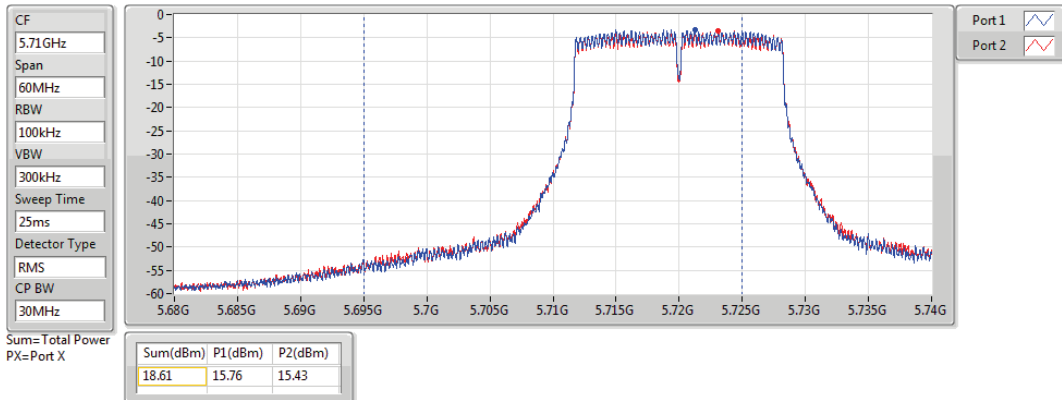


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

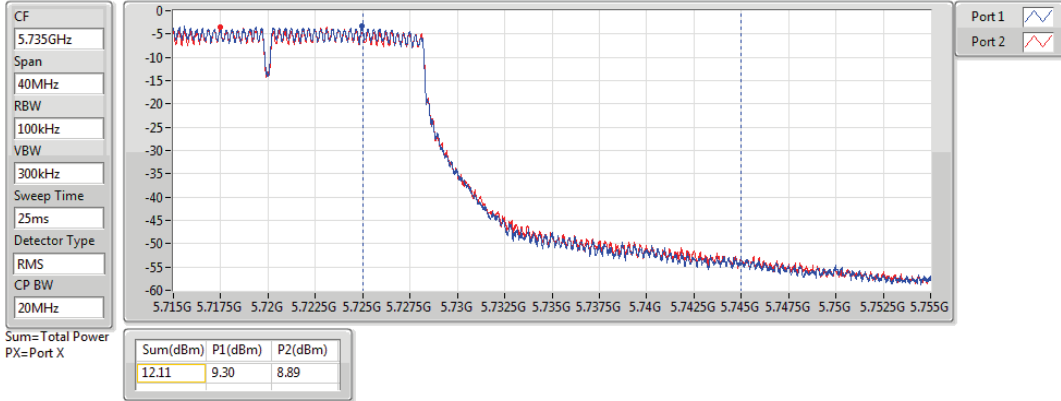


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

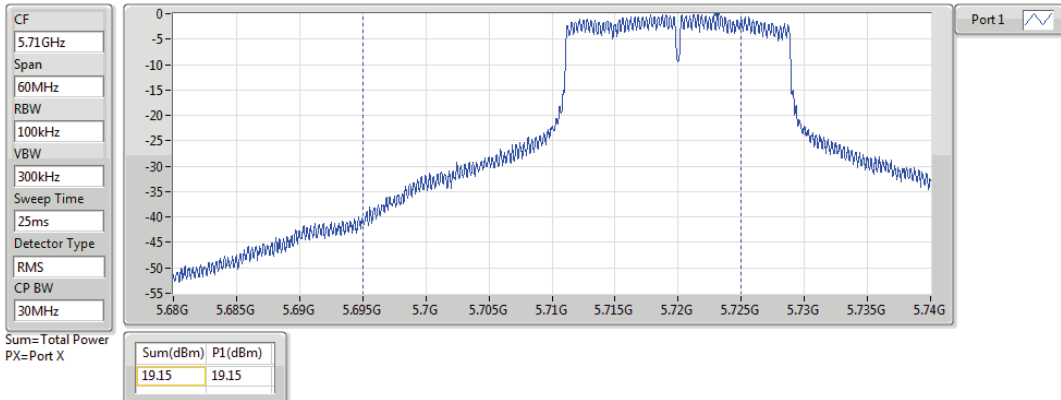


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

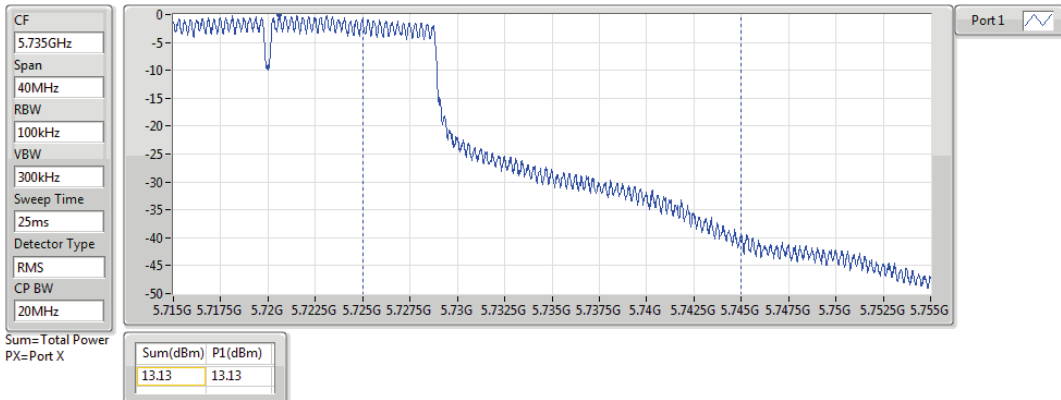


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

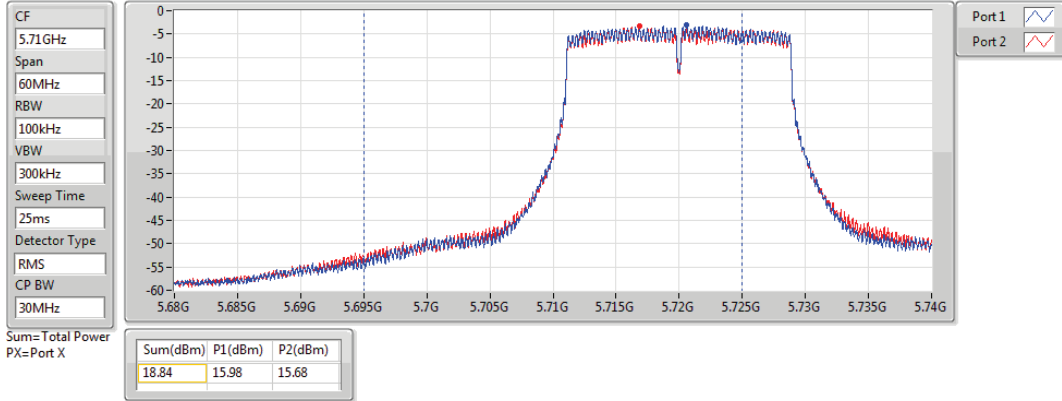


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

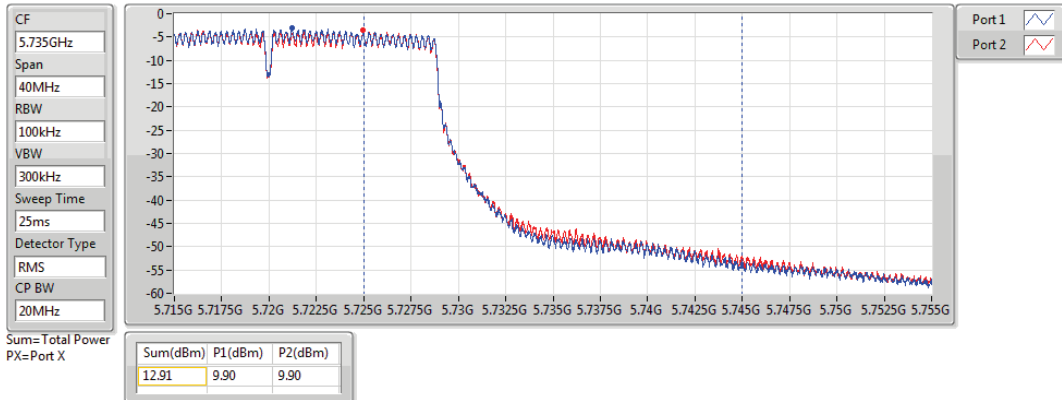


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

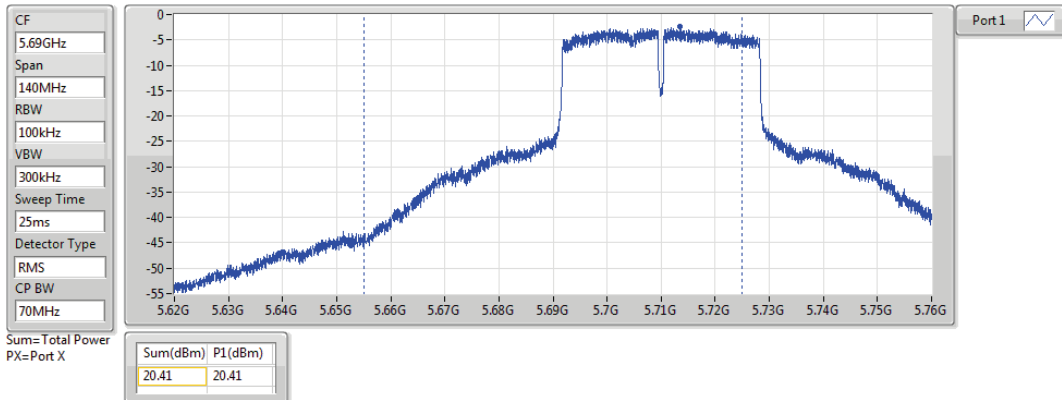


802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

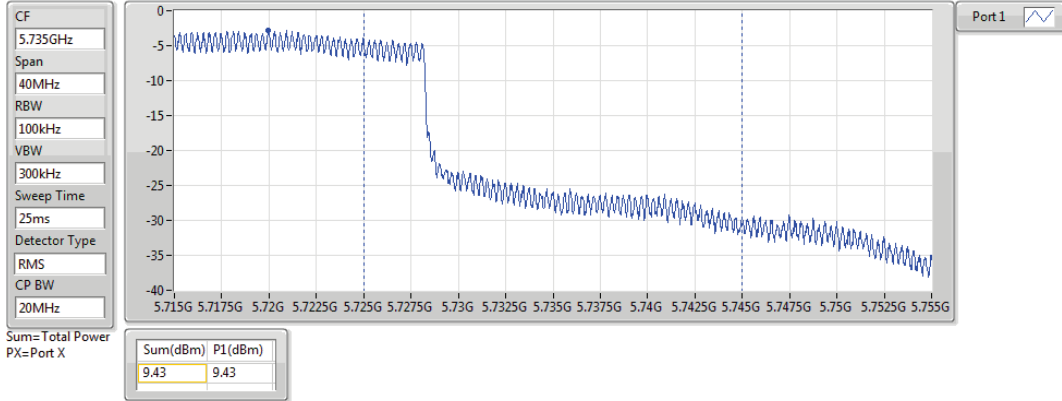


802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

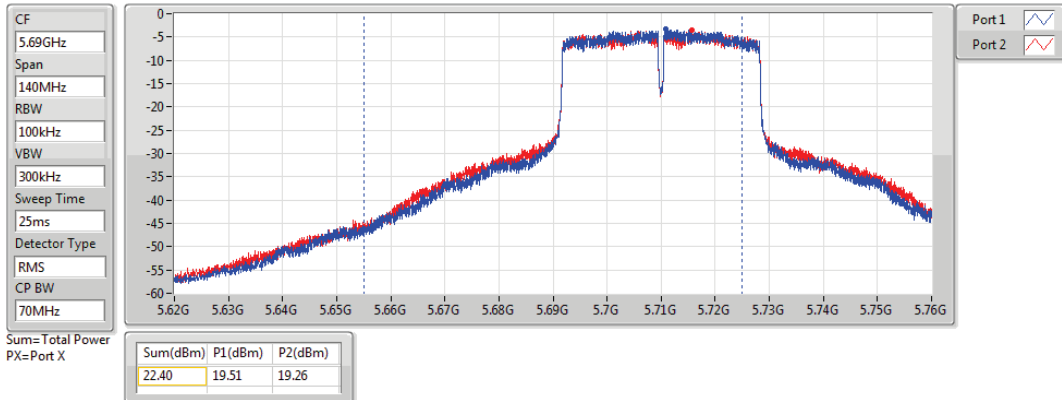


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

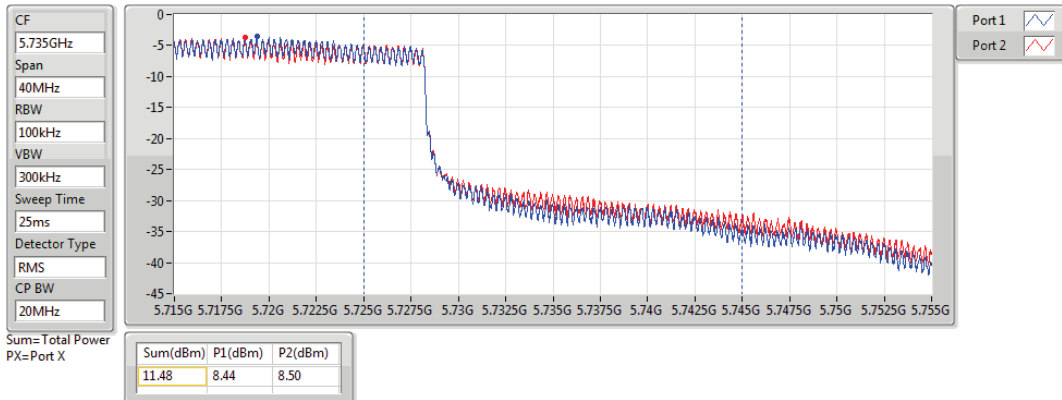


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

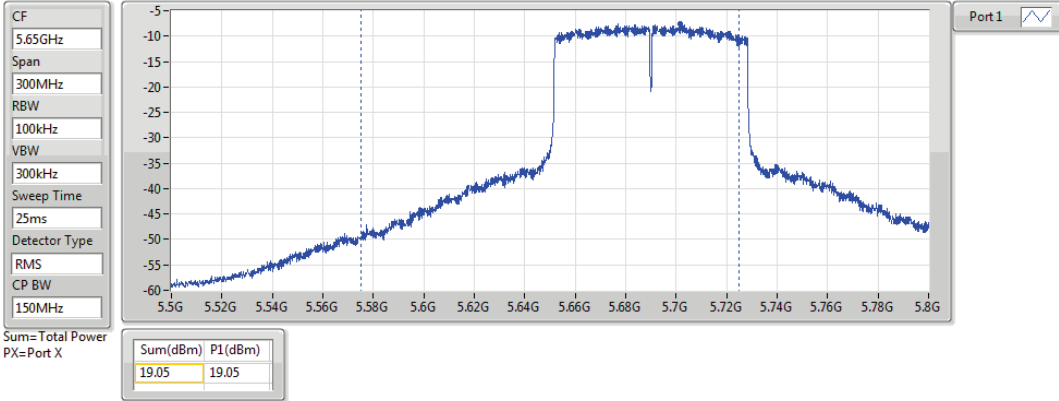


802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

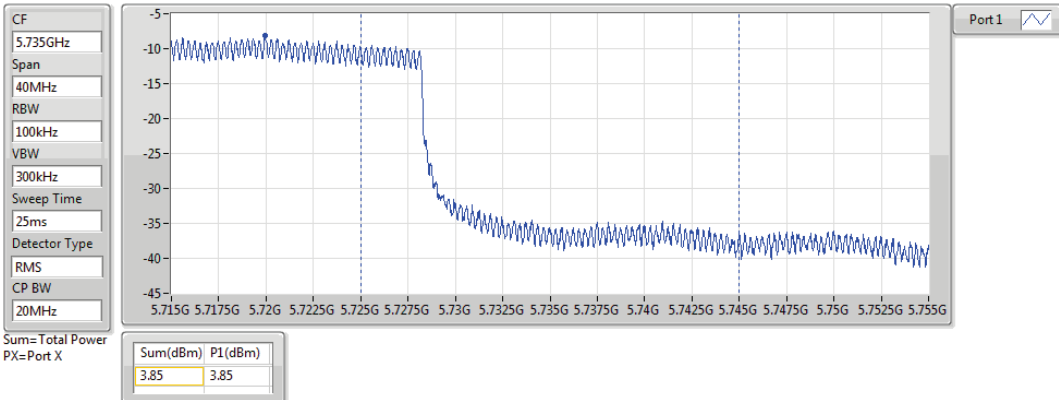


802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

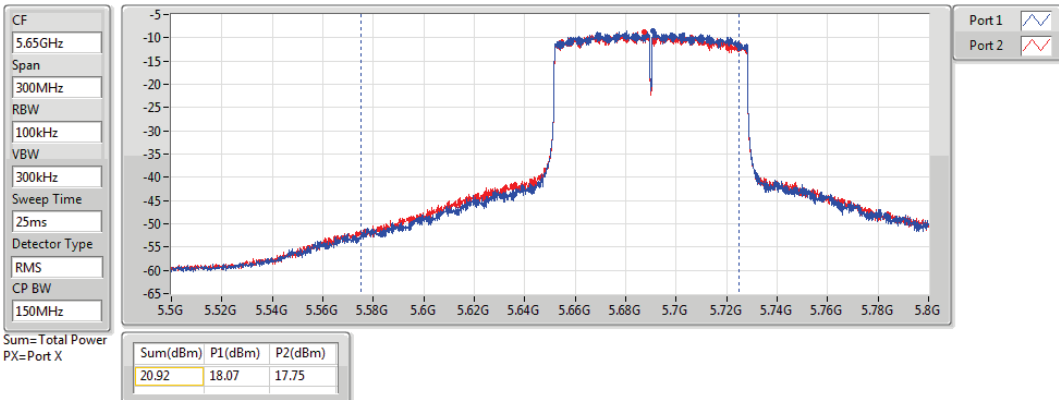


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

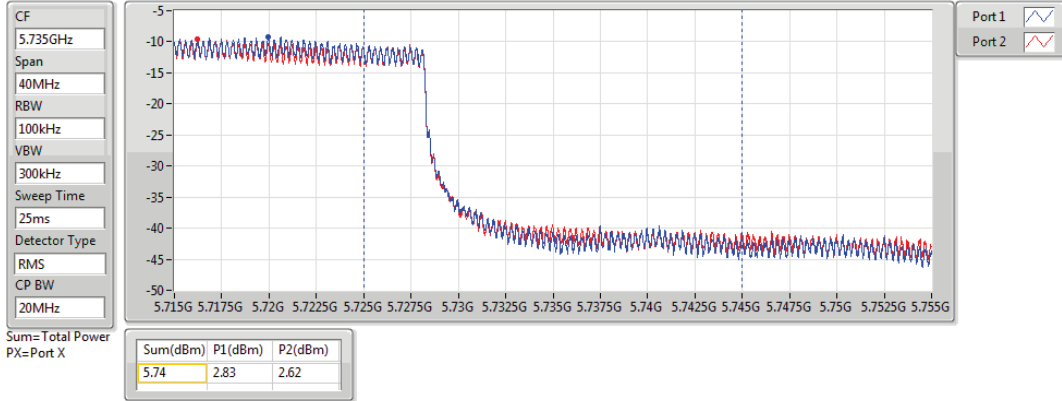


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

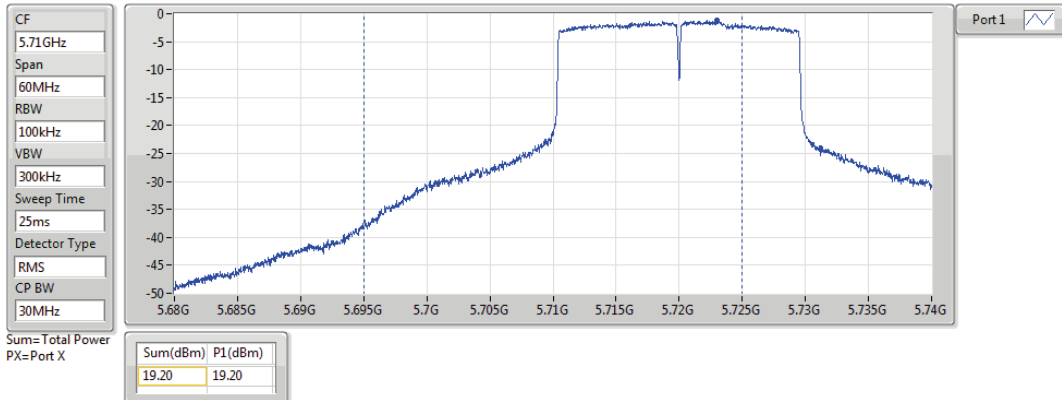


802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

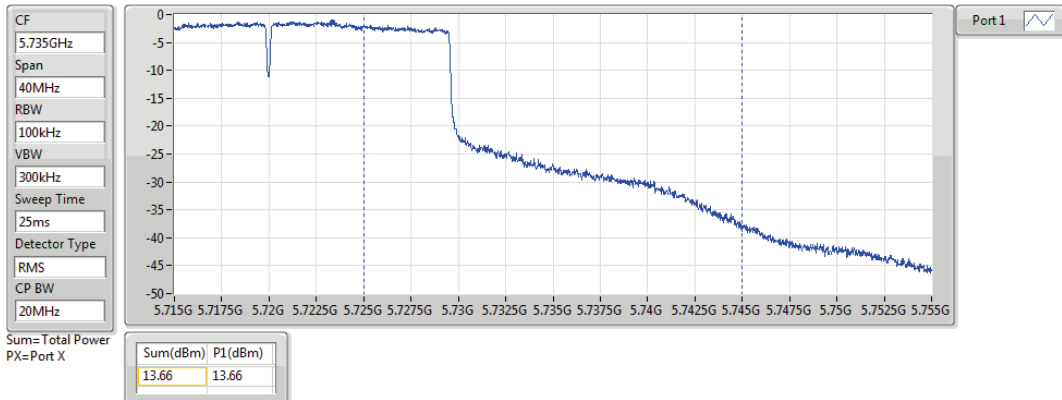


802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

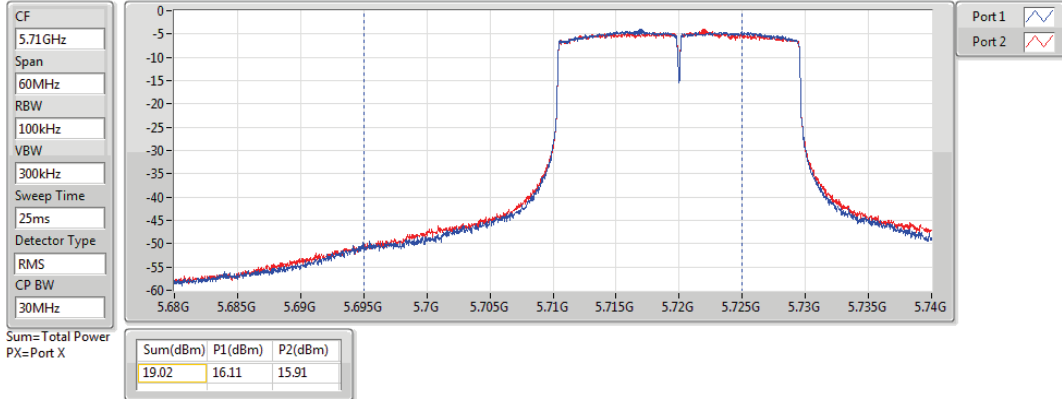


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

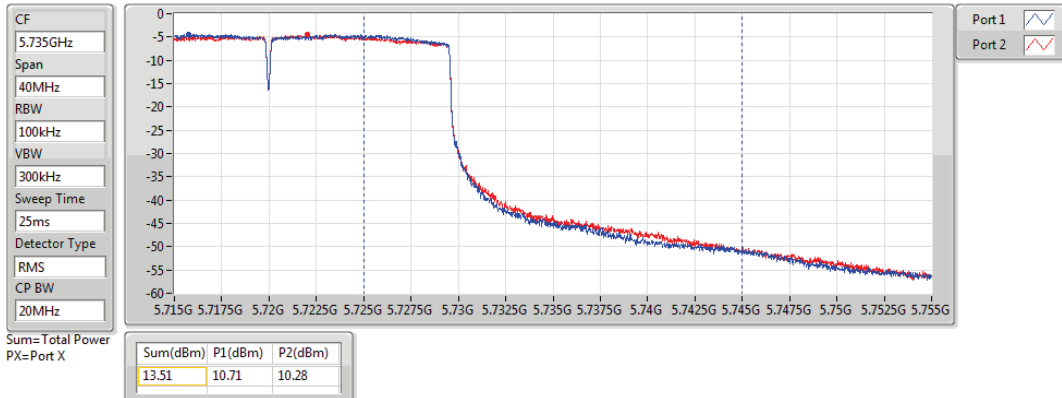


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

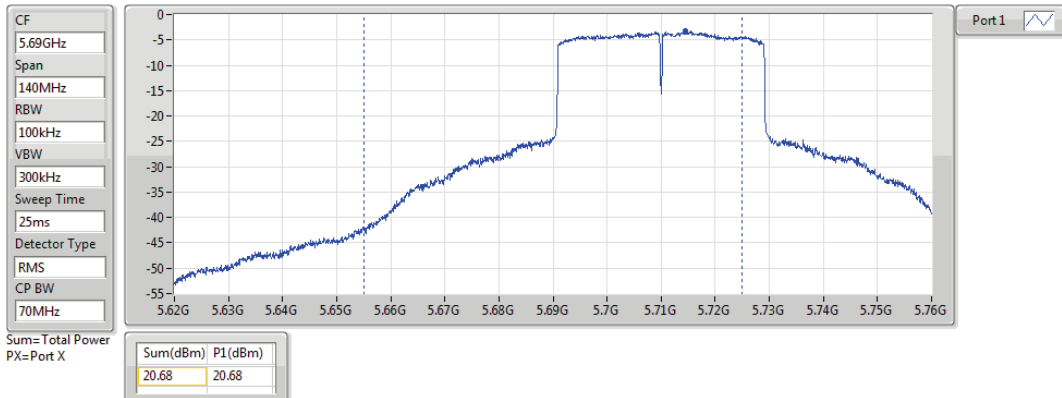


802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

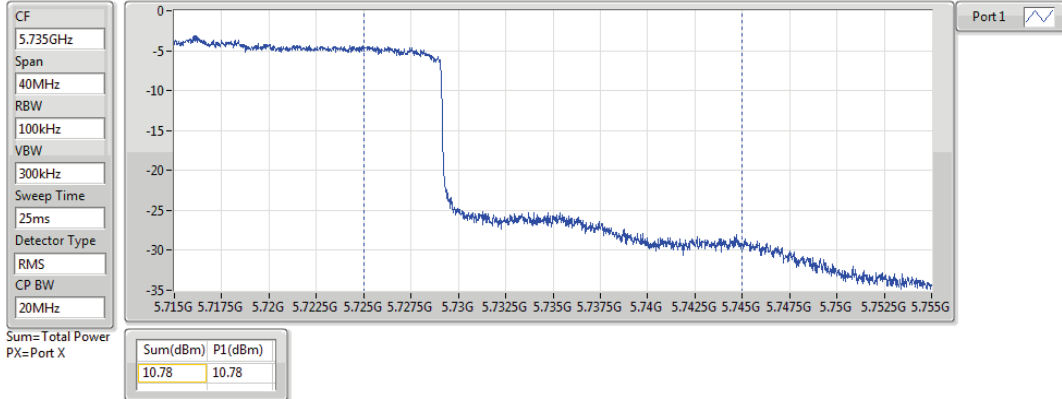


802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

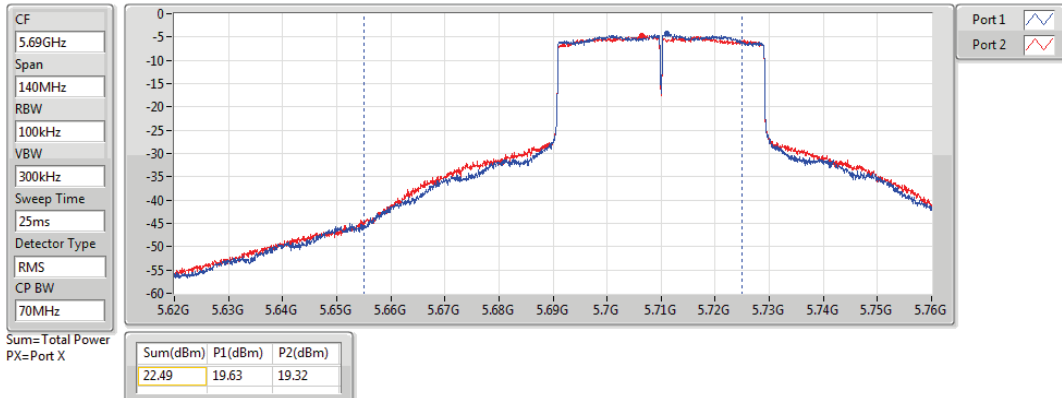


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

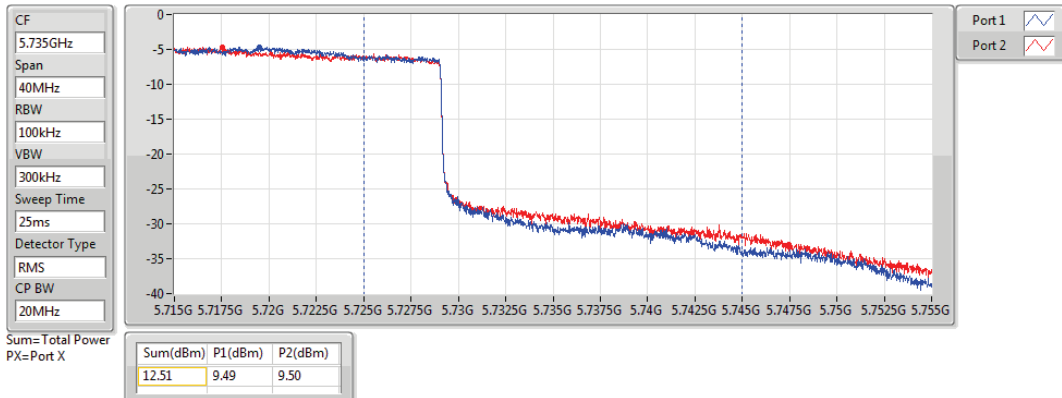


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

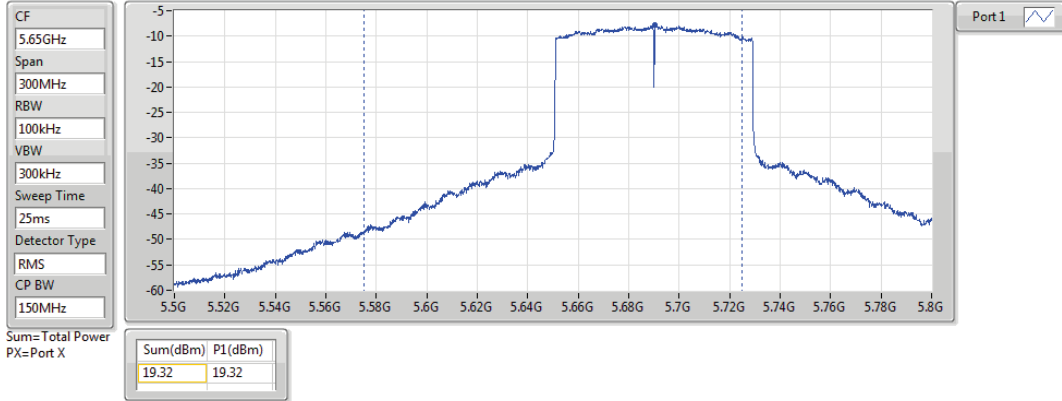


802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

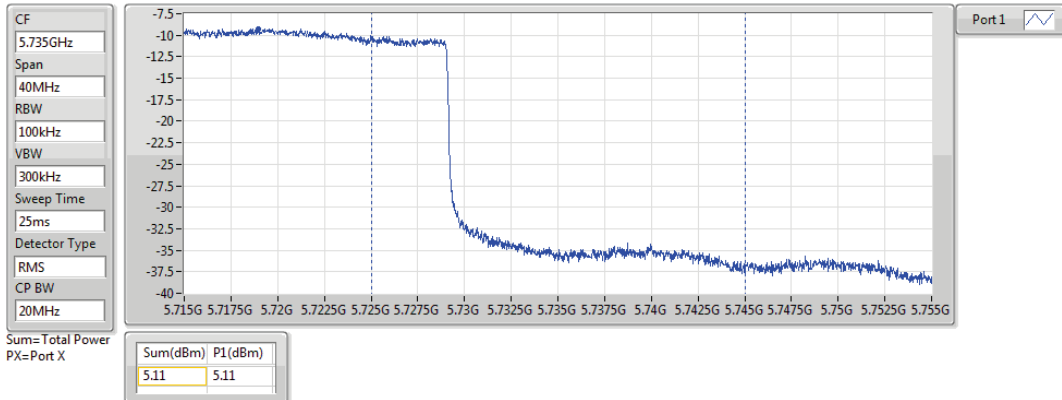


802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

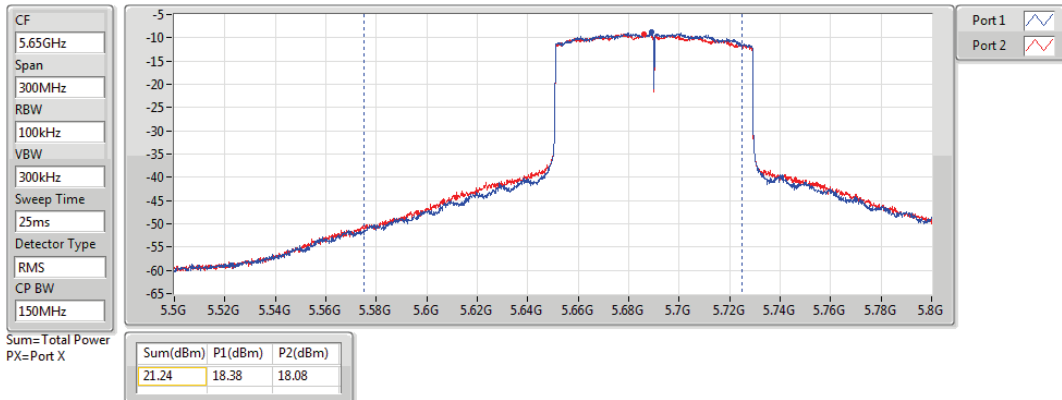


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

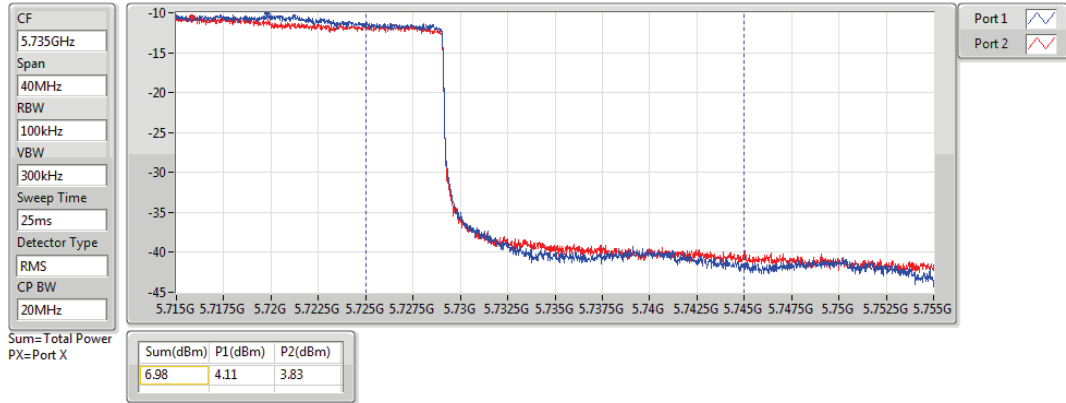


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.14	0.04111	29.14	0.82035
802.11a_Nss1,(6Mbps)_2TX	14.02	0.02523	27.02	0.50350
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	16.22	0.04188	29.22	0.83560
802.11ac VHT20_Nss1,(MCS0)_2TX	14.26	0.02667	27.26	0.53211
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	16.07	0.04046	29.07	0.80724
802.11ac VHT40_Nss1,(MCS0)_2TX	16.18	0.04150	29.18	0.82794
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	13.49	0.02234	26.49	0.44566
802.11ac VHT80_Nss1,(MCS0)_2TX	15.99	0.03972	28.99	0.79250
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	16.42	0.04385	29.42	0.87498
802.11ax HEW20_Nss1,(MCS0)_2TX	14.54	0.02844	27.54	0.56754
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	16.27	0.04236	29.27	0.84528
802.11ax HEW40_Nss1,(MCS0)_2TX	16.26	0.04227	29.26	0.84333
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	13.69	0.02339	26.69	0.46666
802.11ax HEW80_Nss1,(MCS0)_2TX	16.27	0.04236	29.27	0.84528
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.32	0.04285	29.32	0.85507
802.11a_Nss1,(6Mbps)_2TX	13.97	0.02495	26.97	0.49774
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	16.21	0.04178	29.21	0.83368
802.11ac VHT20_Nss1,(MCS0)_2TX	14.36	0.02729	27.36	0.54450
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	16.27	0.04236	29.27	0.84528
802.11ac VHT40_Nss1,(MCS0)_2TX	16.33	0.04295	29.33	0.85704
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.86	0.03855	28.86	0.76913
802.11ac VHT80_Nss1,(MCS0)_2TX	16.04	0.04018	29.04	0.80168
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	16.32	0.04285	29.32	0.85507
802.11ax HEW20_Nss1,(MCS0)_2TX	14.61	0.02891	27.61	0.57677
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	16.35	0.04315	29.35	0.86099
802.11ax HEW40_Nss1,(MCS0)_2TX	16.42	0.04385	29.42	0.87498
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	16.08	0.04055	29.08	0.80910
802.11ax HEW80_Nss1,(MCS0)_2TX	16.28	0.04246	29.28	0.84723
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	8.43	0.00697	21.43	0.13900
802.11a_Nss1,(6Mbps)_2TX	6.04	0.00402	19.04	0.08017
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	9.36	0.00863	22.36	0.17219
802.11ac VHT20_Nss1,(MCS0)_2TX	6.70	0.00468	19.70	0.09333
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	5.04	0.00319	18.04	0.06368
802.11ac VHT40_Nss1,(MCS0)_2TX	5.16	0.00328	18.16	0.06546
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	0.37	0.00109	13.37	0.02173
802.11ac VHT80_Nss1,(MCS0)_2TX	0.63	0.00116	13.63	0.02307
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	9.80	0.00955	22.80	0.19055
802.11ax HEW20_Nss1,(MCS0)_2TX	7.29	0.00536	20.29	0.10691
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	5.92	0.00391	18.92	0.07798
802.11ax HEW40_Nss1,(MCS0)_2TX	6.04	0.00402	19.04	0.08017
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	1.58	0.00144	14.58	0.02871



Average Power_Group 2_Non-Beamforming

Appendix B.2

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	1.72	0.00149	14.72	0.02965

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)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		16.14	16.14	16.85	29.14	29.85
5300MHz	Pass	13.00		16.05	16.05	16.85	29.05	29.85
5320MHz	Pass	13.00		16.12	16.12	16.84	29.12	29.84
5500MHz	Pass	13.00		16.32	16.32	16.84	29.32	29.84
5580MHz	Pass	13.00		16.14	16.14	16.86	29.14	29.86
5700MHz	Pass	13.00		15.77	15.77	16.85	28.77	29.85
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		14.96	14.96	15.66	27.96	28.66
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		8.43	8.43	23.00	21.43	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	10.67	11.11	13.91	16.77	26.91	29.77
5300MHz	Pass	13.00	10.77	11.08	13.94	16.81	26.94	29.81
5320MHz	Pass	13.00	11.12	10.89	14.02	16.79	27.02	29.79
5500MHz	Pass	13.00	11.24	10.67	13.97	16.79	26.97	29.79
5580MHz	Pass	13.00	11.27	10.48	13.90	16.80	26.90	29.80
5700MHz	Pass	13.00	10.66	10.89	13.79	16.85	26.79	29.85
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.62	9.54	12.59	15.64	25.59	28.64
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	3.10	2.96	6.04	23.00	19.04	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		15.45	15.45	16.98	28.45	30.00
5300MHz	Pass	13.00		15.81	15.81	16.98	28.81	30.00
5320MHz	Pass	13.00		16.22	16.22	16.98	29.22	30.00
5500MHz	Pass	13.00		16.21	16.21	16.98	29.21	30.00
5580MHz	Pass	13.00		15.91	15.91	16.98	28.91	30.00
5700MHz	Pass	13.00		14.14	14.14	16.98	27.14	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		15.19	15.19	15.86	28.19	28.86
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		9.36	9.36	23.00	22.36	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	10.90	11.46	14.20	16.98	27.20	30.00
5300MHz	Pass	13.00	11.08	11.41	14.26	16.98	27.26	30.00
5320MHz	Pass	13.00	11.26	11.18	14.23	16.98	27.23	30.00
5500MHz	Pass	13.00	11.53	11.16	14.36	16.98	27.36	30.00
5580MHz	Pass	13.00	10.47	10.41	13.45	16.98	26.45	30.00
5700MHz	Pass	13.00	10.99	11.22	14.12	16.98	27.12	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.75	9.78	12.78	15.82	25.78	28.82
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	3.75	3.63	6.70	23.00	19.70	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00		16.07	16.07	16.98	29.07	30.00
5310MHz	Pass	13.00		14.09	14.09	16.98	27.09	30.00
5510MHz	Pass	13.00		14.44	14.44	16.98	27.44	30.00
5550MHz	Pass	13.00		15.96	15.96	16.98	28.96	30.00
5670MHz	Pass	13.00		15.53	15.53	16.98	28.53	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00		16.27	16.27	16.98	29.27	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00		5.04	5.04	23.00	18.04	36.00



Average Power_Group 2_Non-Beamforming

Appendix B.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00	12.60	13.25	15.95	16.98	28.95	30.00
5310MHz	Pass	13.00	13.09	13.25	16.18	16.98	29.18	30.00
5510MHz	Pass	13.00	13.30	12.86	16.10	16.98	29.10	30.00
5550MHz	Pass	13.00	13.19	13.08	16.15	16.98	29.15	30.00
5670MHz	Pass	13.00	13.37	13.04	16.22	16.98	29.22	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00	13.36	13.27	16.33	16.98	29.33	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00	2.29	2.01	5.16	23.00	18.16	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00		13.49	13.49	16.98	26.49	30.00
5530MHz	Pass	13.00		14.39	14.39	16.98	27.39	30.00
5610MHz	Pass	13.00		15.39	15.39	16.98	28.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00		15.86	15.86	16.98	28.86	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00		0.37	0.37	23.00	13.37	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	12.87	13.09	15.99	16.98	28.99	30.00
5530MHz	Pass	13.00	13.03	13.03	16.04	16.98	29.04	30.00
5610MHz	Pass	13.00	12.95	12.47	15.73	16.98	28.73	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00	12.94	12.89	15.93	16.98	28.93	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00	-2.19	-2.57	0.63	23.00	13.63	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		16.25	16.25	16.98	29.25	30.00
5300MHz	Pass	13.00		16.12	16.12	16.98	29.12	30.00
5320MHz	Pass	13.00		16.42	16.42	16.98	29.42	30.00
5500MHz	Pass	13.00		16.32	16.32	16.98	29.32	30.00
5580MHz	Pass	13.00		16.21	16.21	16.98	29.21	30.00
5700MHz	Pass	13.00		14.38	14.38	16.98	27.38	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		15.19	15.19	15.93	28.19	28.93
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		9.80	9.80	23.00	22.80	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	11.14	11.60	14.39	16.98	27.39	30.00
5300MHz	Pass	13.00	11.32	11.72	14.53	16.98	27.53	30.00
5320MHz	Pass	13.00	11.56	11.49	14.54	16.98	27.54	30.00
5500MHz	Pass	13.00	11.84	11.34	14.61	16.98	27.61	30.00
5580MHz	Pass	13.00	11.29	10.66	14.00	16.98	27.00	30.00
5700MHz	Pass	13.00	11.24	11.46	14.36	16.98	27.36	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.87	9.95	12.92	15.89	25.92	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	4.30	4.25	7.29	23.00	20.29	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00		16.27	16.27	16.98	29.27	30.00
5310MHz	Pass	13.00		14.27	14.27	16.98	27.27	30.00
5510MHz	Pass	13.00		14.51	14.51	16.98	27.51	30.00
5550MHz	Pass	13.00		16.10	16.10	16.98	29.10	30.00
5670MHz	Pass	13.00		15.61	15.61	16.98	28.61	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00		16.35	16.35	16.98	29.35	30.00



Average Power_Group 2_Non-Beamforming

Appendix B.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	13.00		5.92	5.92	23.00	18.92	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00	12.73	13.31	16.04	16.98	29.04	30.00
5310MHz	Pass	13.00	13.22	13.27	16.26	16.98	29.26	30.00
5510MHz	Pass	13.00	13.41	13.11	16.27	16.98	29.27	30.00
5550MHz	Pass	13.00	13.36	13.10	16.24	16.98	29.24	30.00
5670MHz	Pass	13.00	13.53	13.25	16.40	16.98	29.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00	13.41	13.40	16.42	16.98	29.42	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00	3.17	2.89	6.04	23.00	19.04	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00		13.69	13.69	16.98	26.69	30.00
5530MHz	Pass	13.00		14.68	14.68	16.98	27.68	30.00
5610MHz	Pass	13.00		15.75	15.75	16.98	28.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00		16.08	16.08	16.98	29.08	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00		1.58	1.58	23.00	14.58	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	13.20	13.32	16.27	16.98	29.27	30.00
5530MHz	Pass	13.00	13.40	13.13	16.28	16.98	29.28	30.00
5610MHz	Pass	13.00	13.33	12.69	16.03	16.98	29.03	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00	13.17	13.10	16.15	16.98	29.15	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00	-1.10	-1.48	1.72	23.00	14.72	36.00

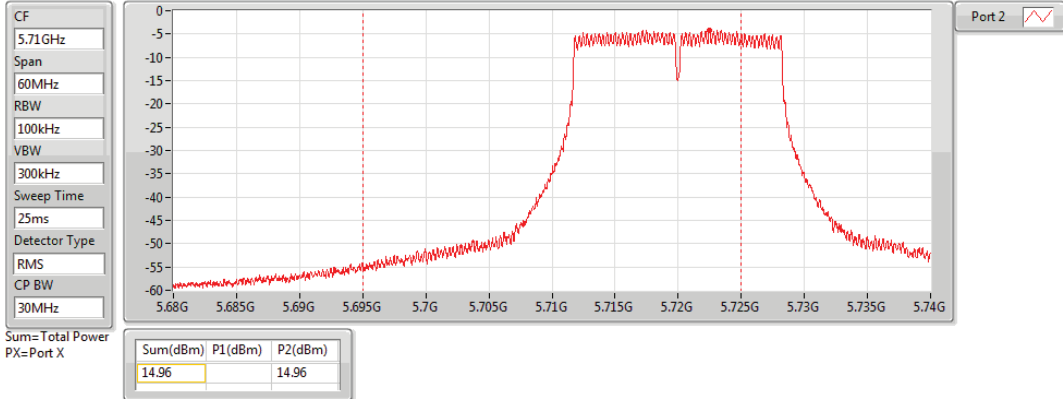
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

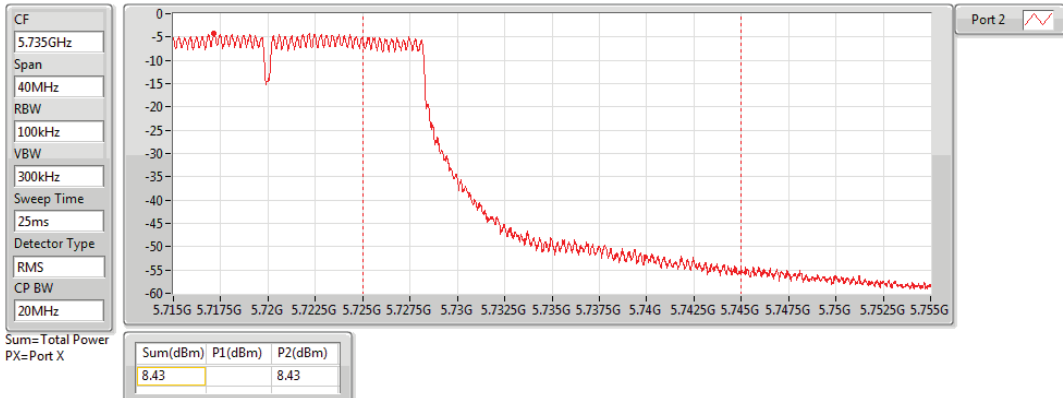


802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

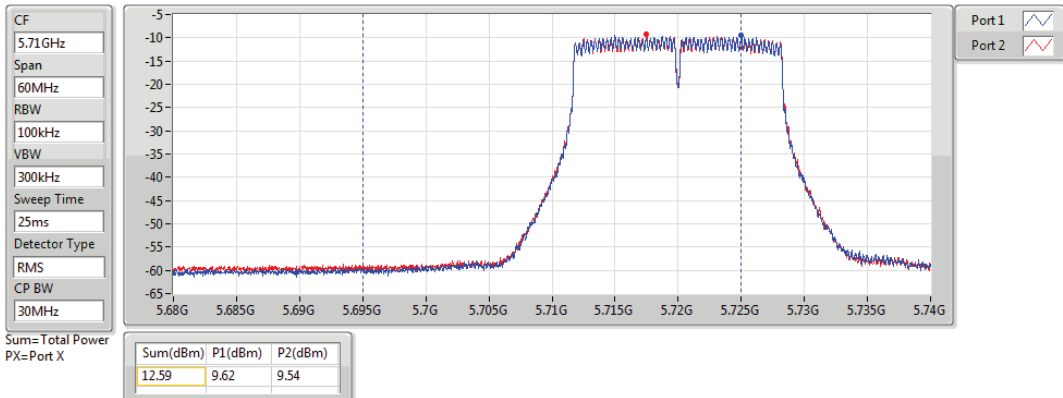


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

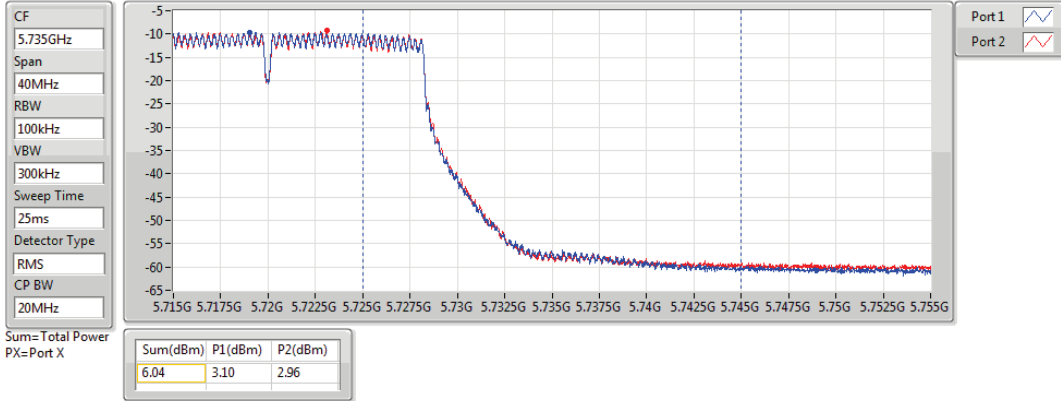


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

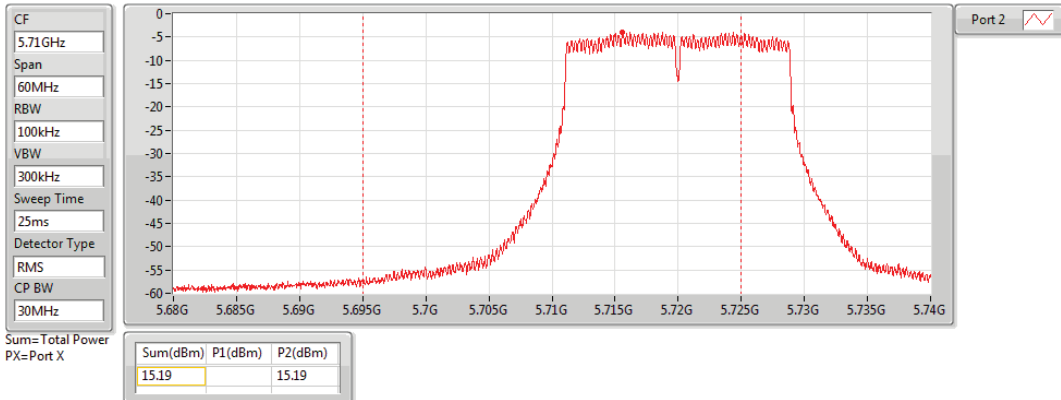


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

06/12/2019

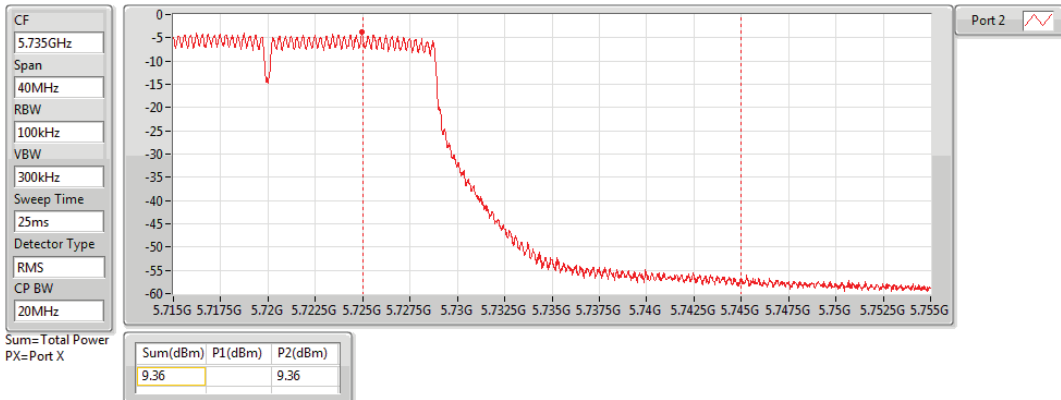


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

06/12/2019

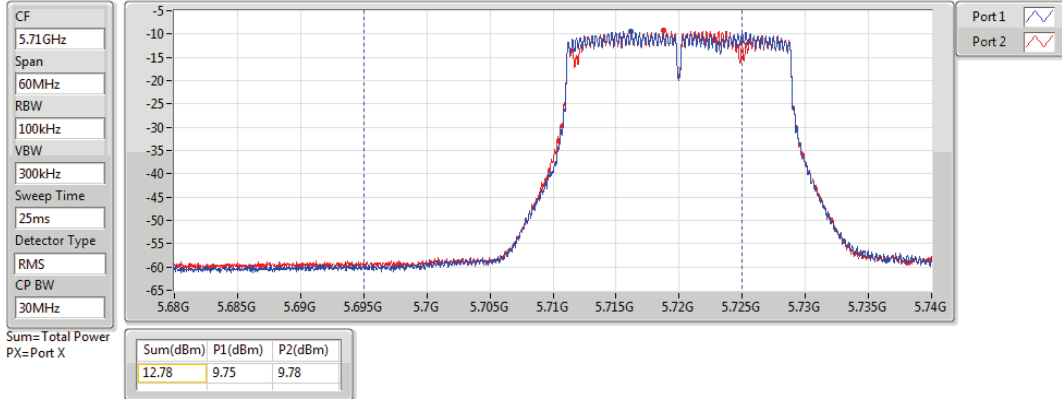


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

06/12/2019

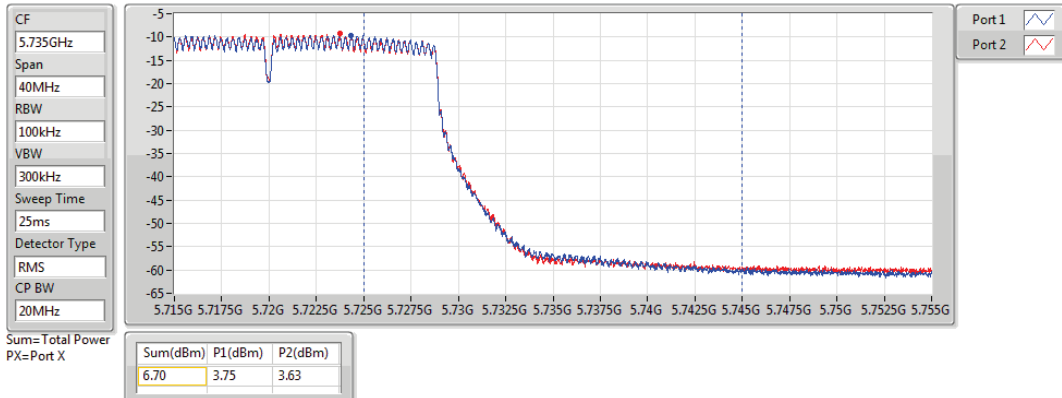


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

06/12/2019

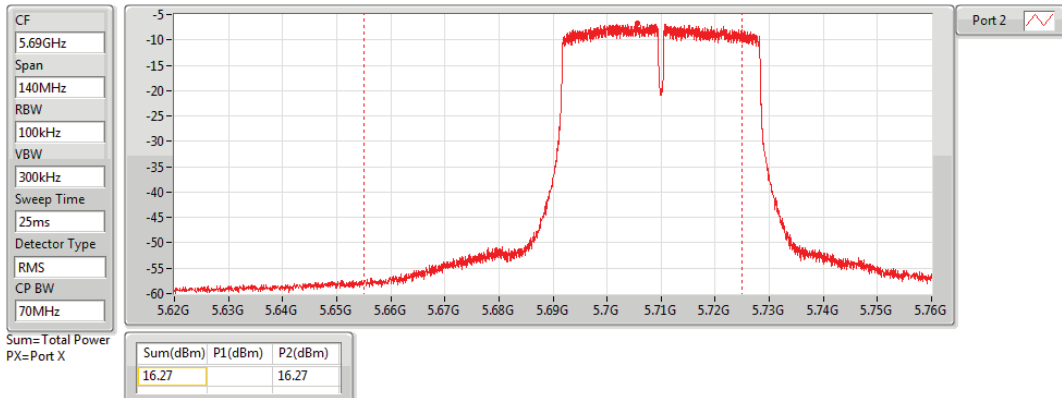


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

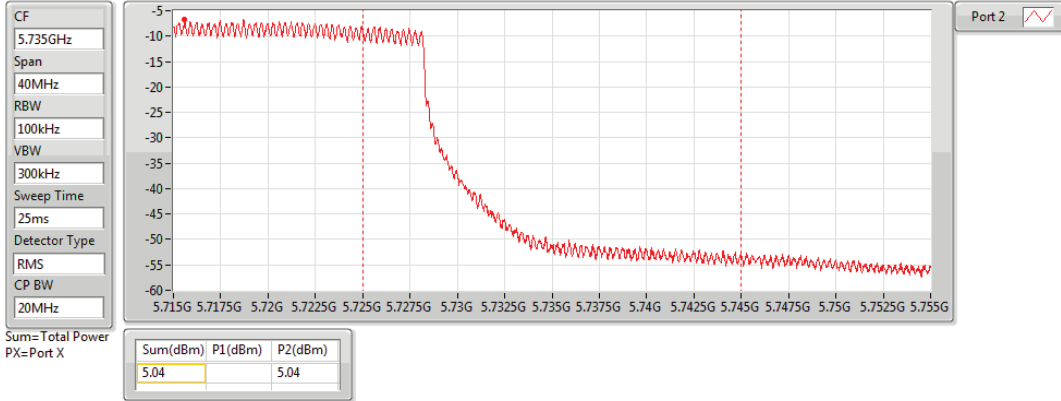


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

06/12/2019

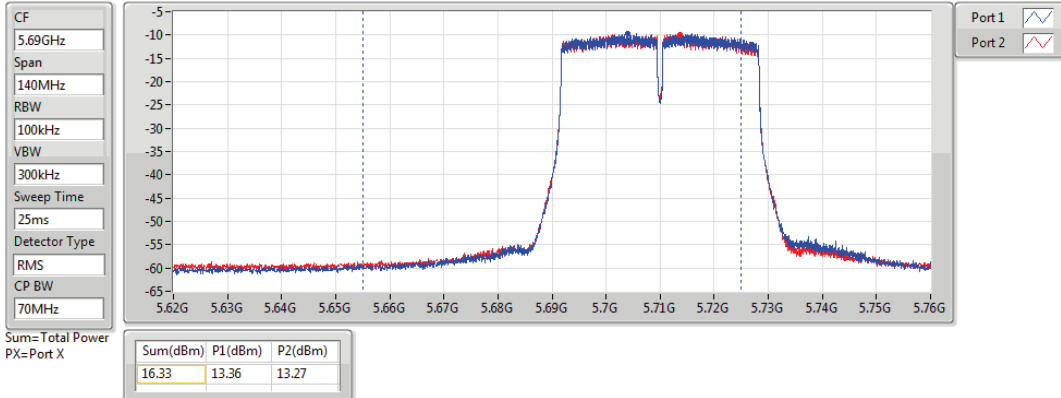


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

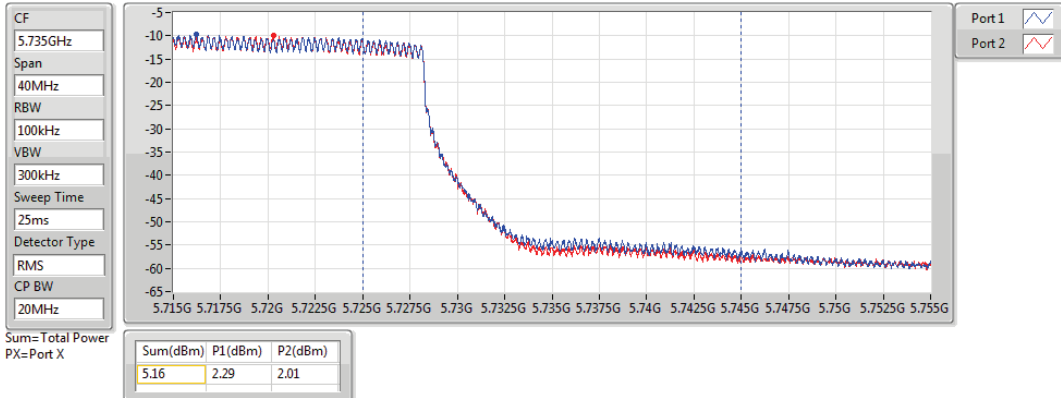


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

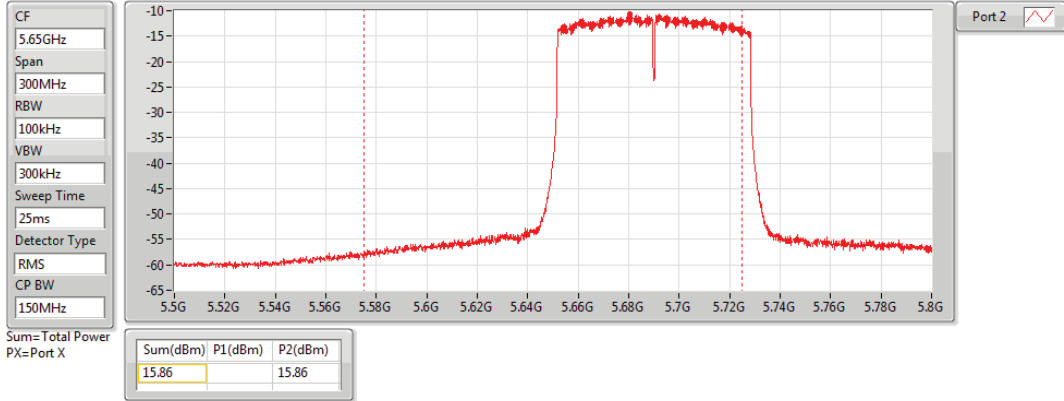
06/12/2019



802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

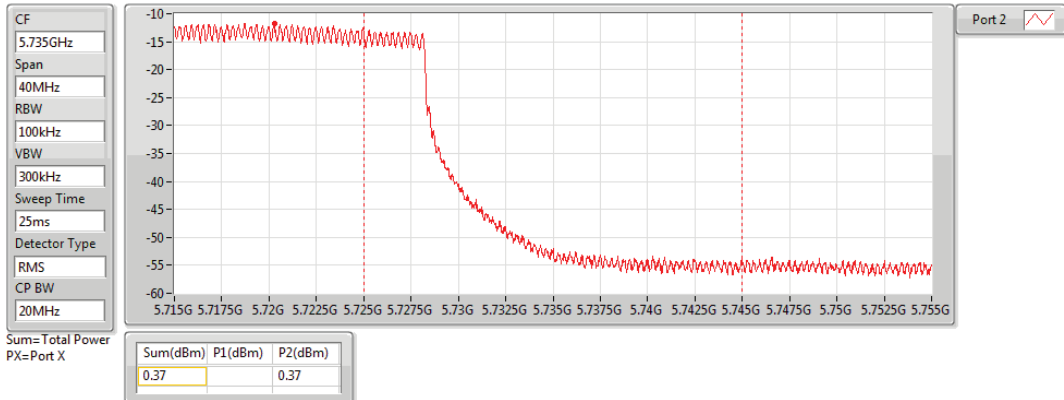
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

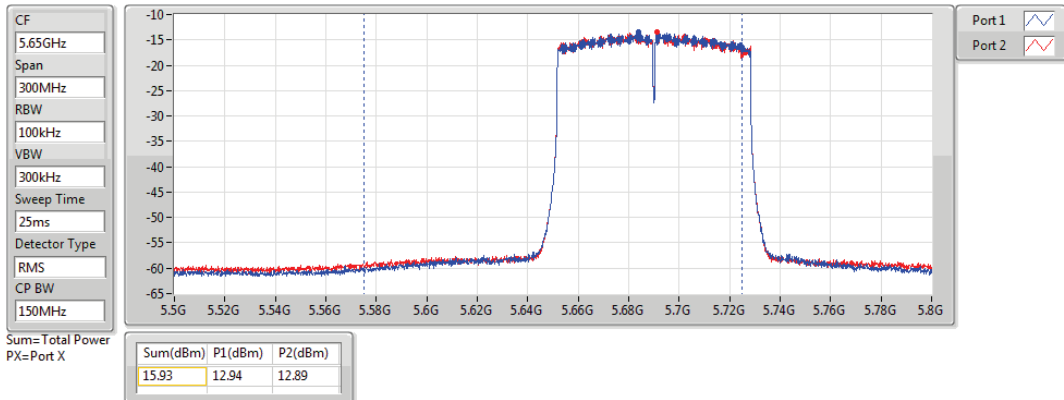
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

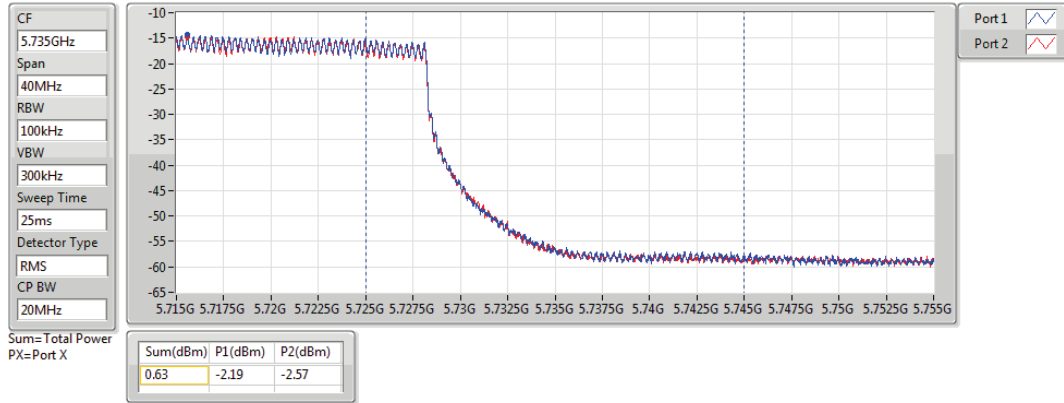


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/12/2019

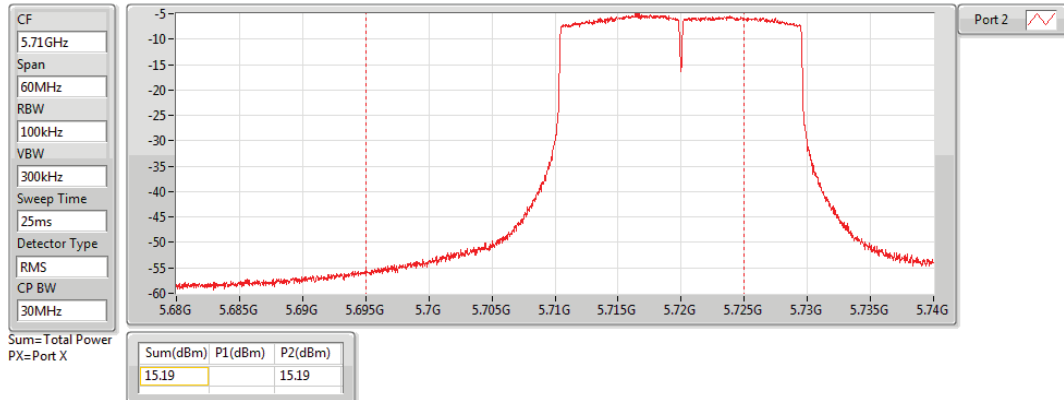


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

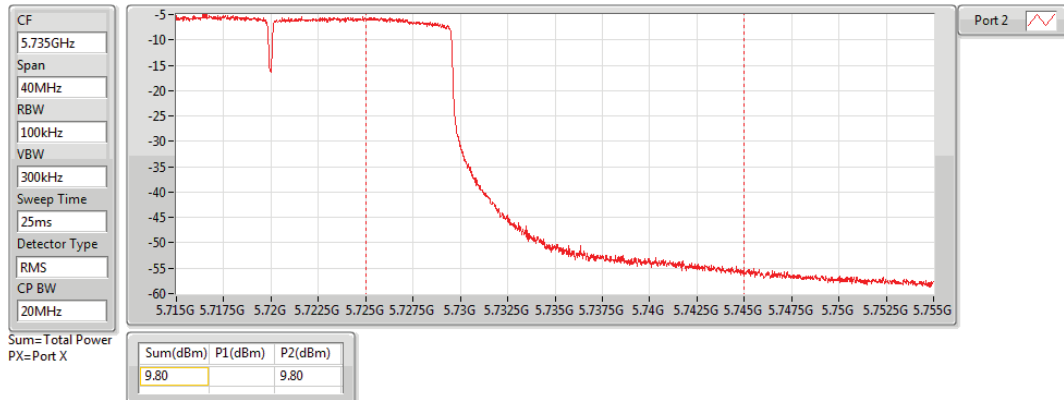


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

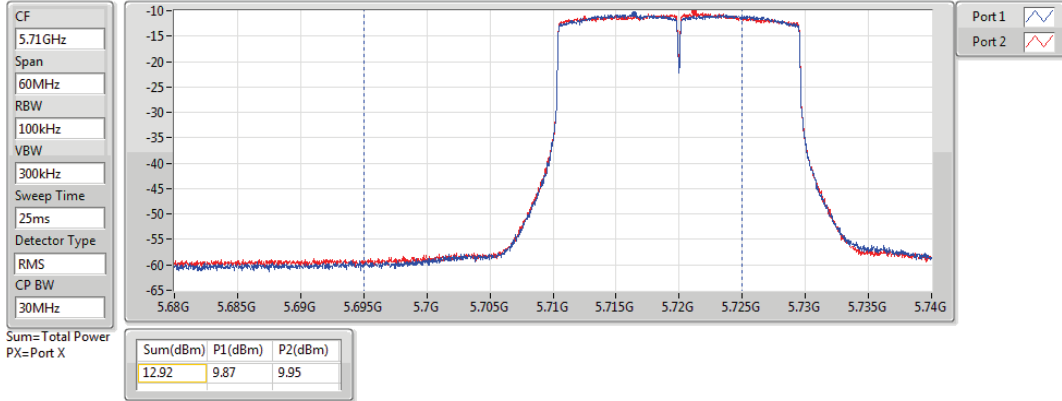


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

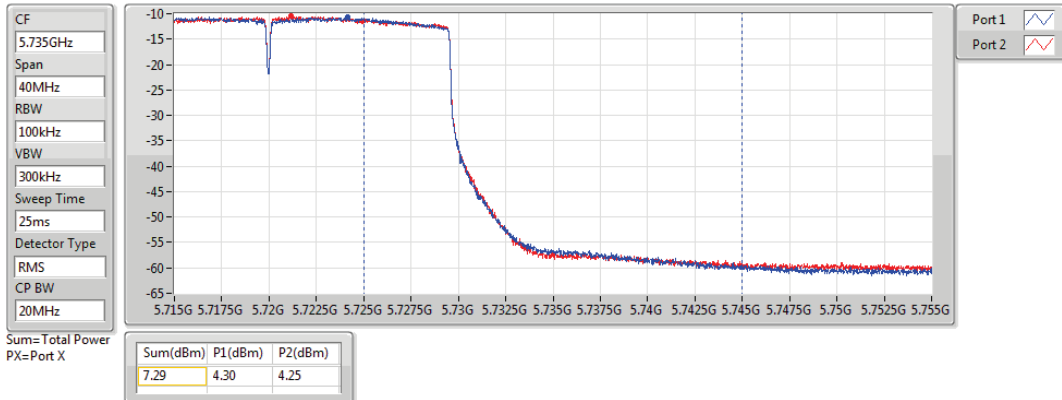


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

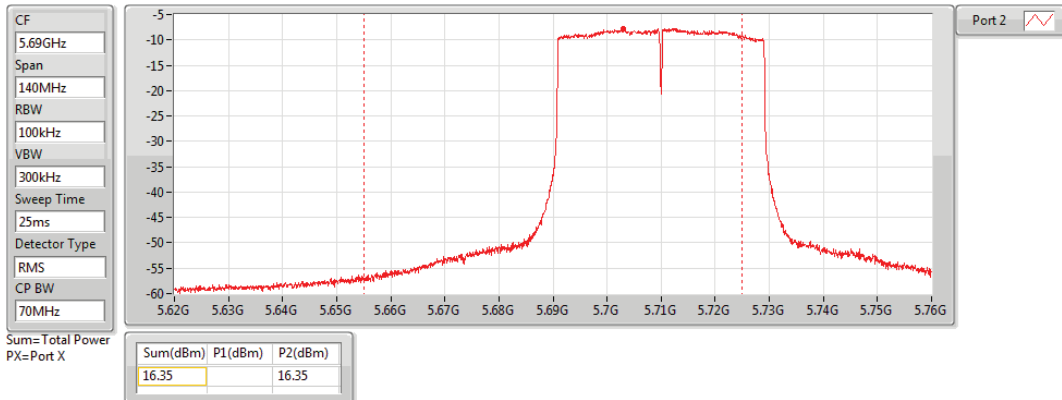


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

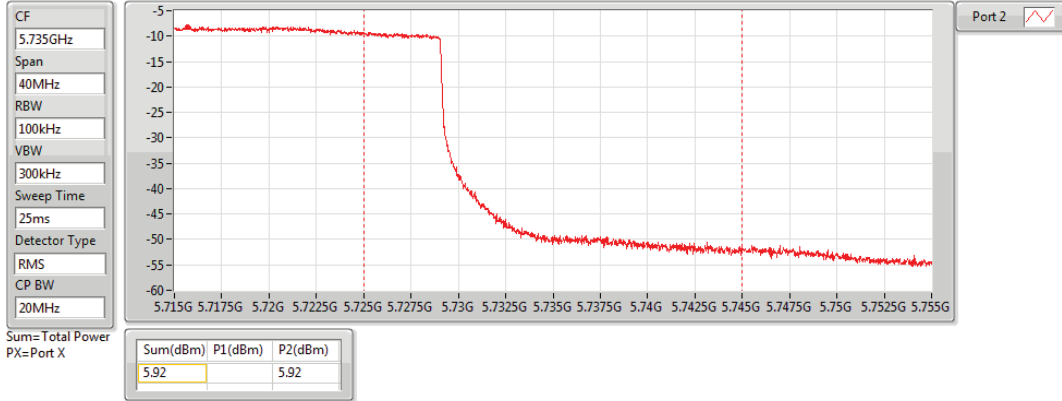


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

06/12/2019

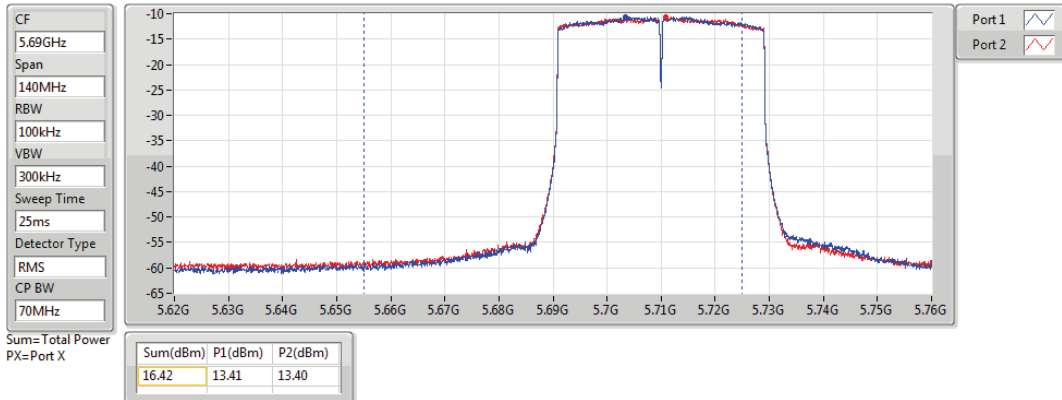


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

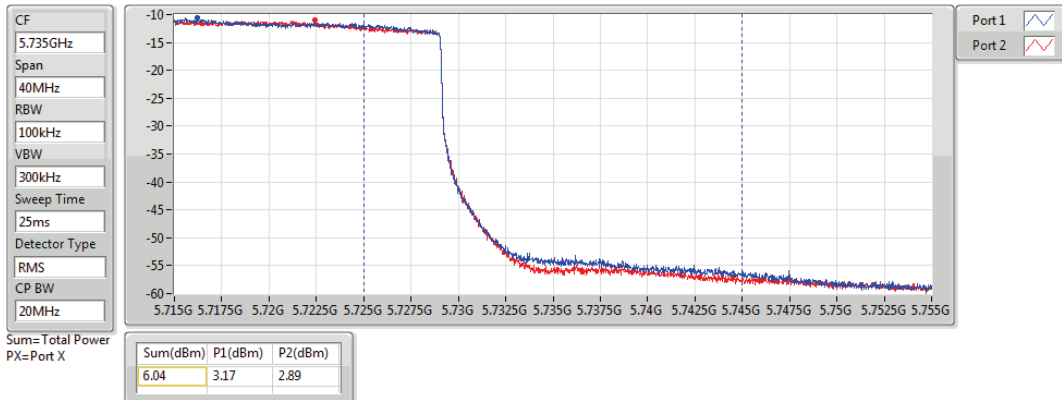


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

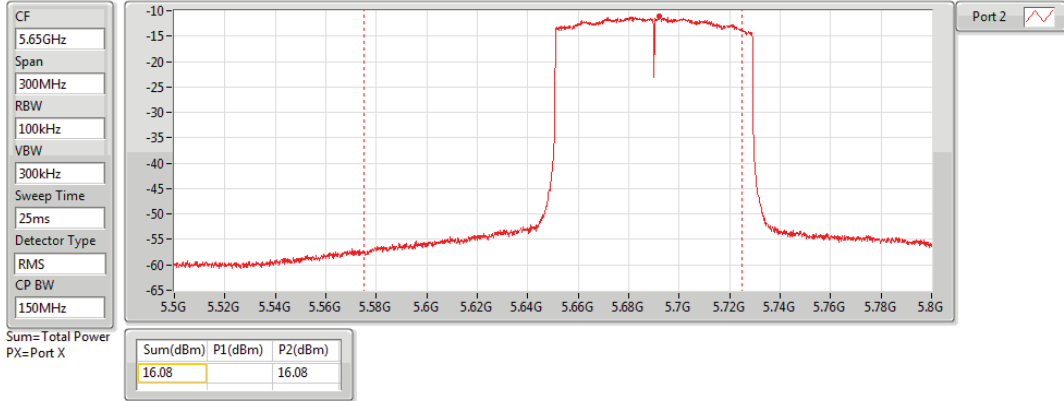
06/12/2019



802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

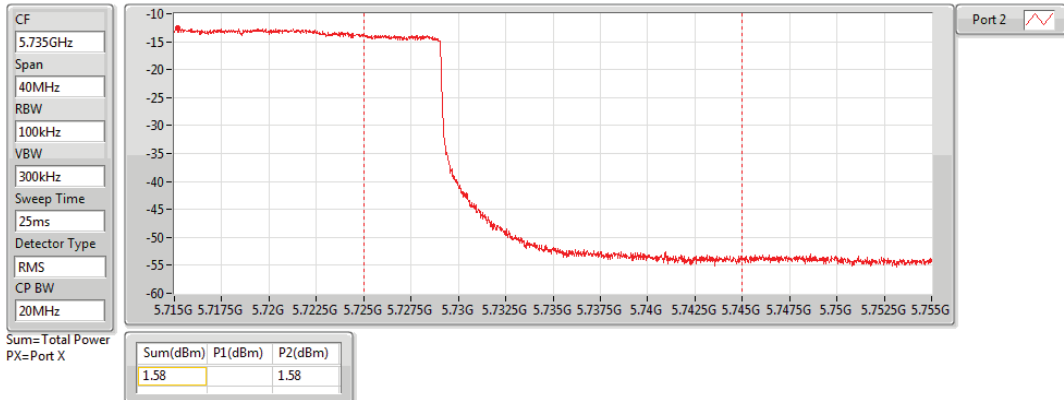
5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

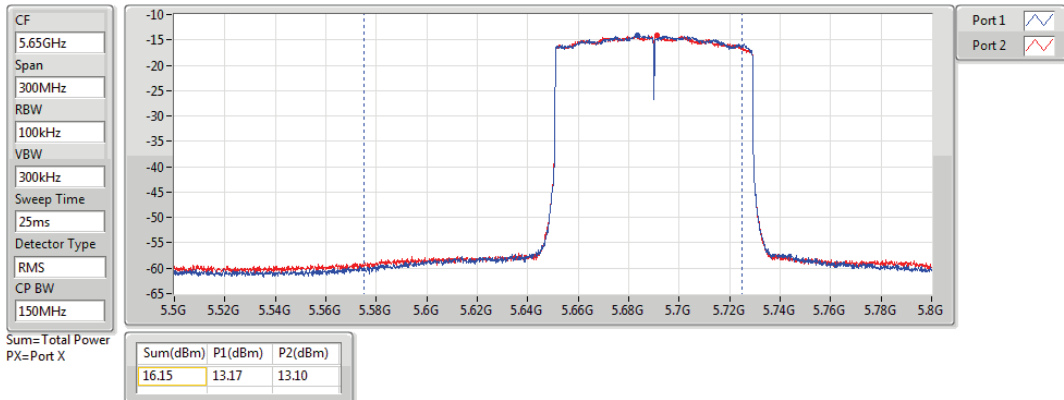
5690MHz Straddle 5.725-5.85GHz



802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

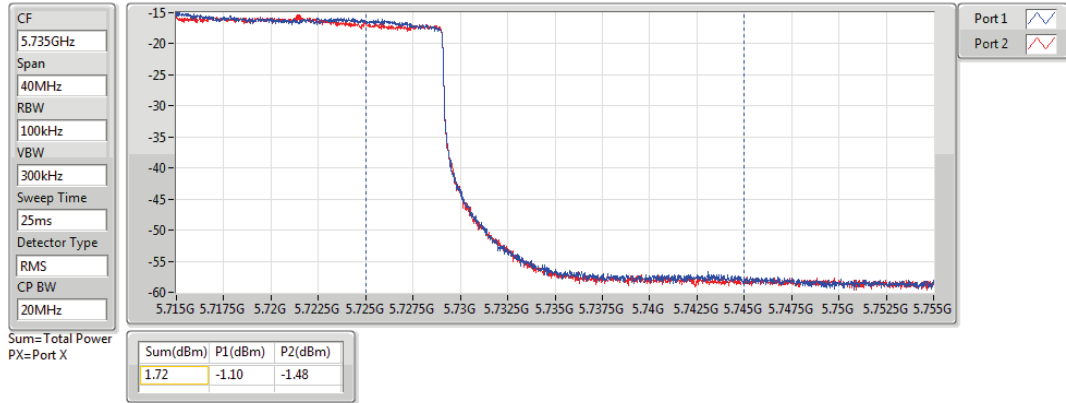


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	20.02	0.10046	27.12	0.51523
802.11a_Nss1,(6Mbps)_2TX	19.27	0.08453	26.37	0.43351
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	19.99	0.09977	27.09	0.51168
802.11ac VHT20_Nss1,(MCS0)_2TX	19.38	0.08670	26.48	0.44463
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	18.16	0.06546	25.26	0.33574
802.11ac VHT40_Nss1,(MCS0)_2TX	21.46	0.13996	28.56	0.71779
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	16.16	0.04130	23.26	0.21184
802.11ac VHT80_Nss1,(MCS0)_2TX	18.38	0.06887	25.48	0.35318
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	20.07	0.10162	27.17	0.52119
802.11ax HEW20_Nss1,(MCS0)_2TX	19.60	0.09120	26.70	0.46774
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	18.30	0.06761	25.40	0.34674
802.11ax HEW40_Nss1,(MCS0)_2TX	22.17	0.16482	29.27	0.84528
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	16.53	0.04498	23.63	0.23067
802.11ax HEW80_Nss1,(MCS0)_2TX	18.60	0.07244	25.70	0.37154
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	19.67	0.09268	26.77	0.47534
802.11a_Nss1,(6Mbps)_2TX	19.13	0.08185	26.23	0.41976
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	19.88	0.09727	26.98	0.49888
802.11ac VHT20_Nss1,(MCS0)_2TX	19.49	0.08892	26.59	0.45604
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	19.54	0.08995	26.64	0.46132
802.11ac VHT40_Nss1,(MCS0)_2TX	21.52	0.14191	28.62	0.72778
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	18.53	0.07129	25.63	0.36559
802.11ac VHT80_Nss1,(MCS0)_2TX	21.64	0.14588	28.74	0.74817
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	20.08	0.10186	27.18	0.52240
802.11ax HEW20_Nss1,(MCS0)_2TX	19.79	0.09528	26.89	0.48865
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	18.94	0.07834	26.04	0.40179
802.11ax HEW40_Nss1,(MCS0)_2TX	22.14	0.16368	29.24	0.83946
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	18.73	0.07464	25.83	0.38282
802.11ax HEW80_Nss1,(MCS0)_2TX	21.83	0.15241	28.93	0.78163
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	11.43	0.01390	18.53	0.07129
802.11a_Nss1,(6Mbps)_2TX	12.11	0.01626	19.21	0.08337
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	12.30	0.01698	19.40	0.08710
802.11ac VHT20_Nss1,(MCS0)_2TX	12.91	0.01954	20.01	0.10023
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	8.86	0.00769	15.96	0.03945
802.11ac VHT40_Nss1,(MCS0)_2TX	10.60	0.01148	17.70	0.05888
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	3.29	0.00213	10.39	0.01094
802.11ac VHT80_Nss1,(MCS0)_2TX	6.61	0.00458	13.71	0.02350
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	12.51	0.01782	19.61	0.09141
802.11ax HEW20_Nss1,(MCS0)_2TX	13.51	0.02244	20.61	0.11508
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	10.73	0.01183	17.83	0.06067
802.11ax HEW40_Nss1,(MCS0)_2TX	12.04	0.01600	19.14	0.08204
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	4.41	0.00276	11.51	0.01416



Average Power_Group 3_Non-Beamforming

Appendix B.3

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	7.64	0.00581	14.74	0.02979

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)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		20.02	20.02	22.88	27.12	30.00
5300MHz	Pass	7.10		20.01	20.01	22.88	27.11	30.00
5320MHz	Pass	7.10		17.52	17.52	22.88	24.62	30.00
5500MHz	Pass	7.10		17.63	17.63	22.88	24.73	30.00
5580MHz	Pass	7.10		19.67	19.67	22.88	26.77	30.00
5700MHz	Pass	7.10		15.27	15.27	22.88	22.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		17.84	17.84	22.88	24.94	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		11.43	11.43	28.90	18.53	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	15.52	16.17	18.87	22.76	25.97	29.86
5300MHz	Pass	7.10	16.22	16.30	19.27	22.88	26.37	30.00
5320MHz	Pass	7.10	16.43	15.68	19.08	22.90	26.18	30.00
5500MHz	Pass	7.10	16.38	15.64	19.04	22.77	26.14	29.87
5580MHz	Pass	7.10	16.17	16.07	19.13	22.77	26.23	29.87
5700MHz	Pass	7.10	15.41	15.26	18.35	22.77	25.45	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	15.76	15.43	18.61	21.57	25.71	28.67
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	9.30	8.89	12.11	28.90	19.21	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		19.91	19.91	22.88	27.01	30.00
5300MHz	Pass	7.10		19.99	19.99	22.88	27.09	30.00
5320MHz	Pass	7.10		16.43	16.43	22.88	23.53	30.00
5500MHz	Pass	7.10		16.53	16.53	22.88	23.63	30.00
5580MHz	Pass	7.10		19.88	19.88	22.88	26.98	30.00
5700MHz	Pass	7.10		15.05	15.05	22.88	22.15	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		17.95	17.95	22.88	25.05	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		12.30	12.30	28.90	19.40	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	15.87	16.48	19.20	22.88	26.30	30.00
5300MHz	Pass	7.10	16.44	16.21	19.34	22.88	26.44	30.00
5320MHz	Pass	7.10	16.75	15.95	19.38	22.88	26.48	30.00
5500MHz	Pass	7.10	16.69	15.83	19.29	22.88	26.39	30.00
5580MHz	Pass	7.10	16.56	16.40	19.49	22.88	26.59	30.00
5700MHz	Pass	7.10	15.31	15.01	18.17	22.88	25.27	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	15.98	15.68	18.84	21.70	25.94	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	9.90	9.90	12.91	28.90	20.01	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10		18.16	18.16	22.88	25.26	30.00
5310MHz	Pass	7.10		16.37	16.37	22.88	23.47	30.00
5510MHz	Pass	7.10		16.16	16.16	22.88	23.26	30.00
5550MHz	Pass	7.10		18.72	18.72	22.88	25.82	30.00
5670MHz	Pass	7.10		16.17	16.17	22.88	23.27	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10		19.54	19.54	22.88	26.64	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10		8.86	8.86	28.90	15.96	36.00



Average Power_Group 3_Non-Beamforming

Appendix B.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	18.17	18.71	21.46	22.88	28.56	30.00
5310MHz	Pass	7.10	16.03	15.81	18.93	22.88	26.03	30.00
5510MHz	Pass	7.10	15.51	14.82	18.19	22.88	25.29	30.00
5550MHz	Pass	7.10	18.35	18.37	21.37	22.88	28.47	30.00
5670MHz	Pass	7.10	15.77	15.28	18.54	22.88	25.64	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	18.53	18.49	21.52	22.88	28.62	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	7.46	7.71	10.60	28.90	17.70	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10		16.16	16.16	22.88	23.26	30.00
5530MHz	Pass	7.10		15.80	15.80	22.88	22.90	30.00
5610MHz	Pass	7.10		16.86	16.86	22.88	23.96	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10		18.53	18.53	22.88	25.63	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10		3.29	3.29	28.90	10.39	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	15.27	15.46	18.38	22.88	25.48	30.00
5530MHz	Pass	7.10	14.93	14.49	17.73	22.88	24.83	30.00
5610MHz	Pass	7.10	16.26	15.93	19.11	22.88	26.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	18.66	18.59	21.64	22.88	28.74	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	3.88	3.29	6.61	28.90	13.71	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		20.03	20.03	22.88	27.13	30.00
5300MHz	Pass	7.10		20.07	20.07	22.88	27.17	30.00
5320MHz	Pass	7.10		16.85	16.85	22.88	23.95	30.00
5500MHz	Pass	7.10		16.76	16.76	22.88	23.86	30.00
5580MHz	Pass	7.10		20.08	20.08	22.88	27.18	30.00
5700MHz	Pass	7.10		15.36	15.36	22.88	22.46	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		18.25	18.25	22.88	25.35	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		12.51	12.51	28.90	19.61	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	16.33	16.55	19.45	22.88	26.55	30.00
5300MHz	Pass	7.10	16.47	16.24	19.37	22.88	26.47	30.00
5320MHz	Pass	7.10	16.92	16.24	19.60	22.88	26.70	30.00
5500MHz	Pass	7.10	16.99	16.35	19.69	22.88	26.79	30.00
5580MHz	Pass	7.10	16.85	16.71	19.79	22.88	26.89	30.00
5700MHz	Pass	7.10	15.48	15.38	18.44	22.88	25.54	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	16.11	15.91	19.02	21.82	26.12	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	10.71	10.28	13.51	28.90	20.61	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10		18.30	18.30	22.88	25.40	30.00
5310MHz	Pass	7.10		16.41	16.41	22.88	23.51	30.00
5510MHz	Pass	7.10		16.38	16.38	22.88	23.48	30.00
5550MHz	Pass	7.10		18.94	18.94	22.88	26.04	30.00
5670MHz	Pass	7.10		16.40	16.40	22.88	23.50	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10		18.87	18.87	22.88	25.97	30.00



Average Power_Group 3_Non-Beamforming

Appendix B.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	7.10		10.73	10.73	28.90	17.83	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	18.84	19.45	22.17	22.88	29.27	30.00
5310MHz	Pass	7.10	16.19	15.97	19.09	22.88	26.19	30.00
5510MHz	Pass	7.10	15.69	14.88	18.31	22.88	25.41	30.00
5550MHz	Pass	7.10	18.48	18.53	21.52	22.88	28.62	30.00
5670MHz	Pass	7.10	15.87	15.41	18.66	22.88	25.76	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.10	19.15	22.14	22.88	29.24	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.86	9.20	12.04	28.90	19.14	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10		16.53	16.53	22.88	23.63	30.00
5530MHz	Pass	7.10		16.11	16.11	22.88	23.21	30.00
5610MHz	Pass	7.10		17.15	17.15	22.88	24.25	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10		18.73	18.73	22.88	25.83	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10		4.41	4.41	28.90	11.51	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	15.42	15.75	18.60	22.88	25.70	30.00
5530MHz	Pass	7.10	15.20	14.68	17.96	22.88	25.06	30.00
5610MHz	Pass	7.10	16.59	16.27	19.44	22.88	26.54	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	18.83	18.80	21.83	22.88	28.93	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	4.89	4.36	7.64	28.90	14.74	36.00

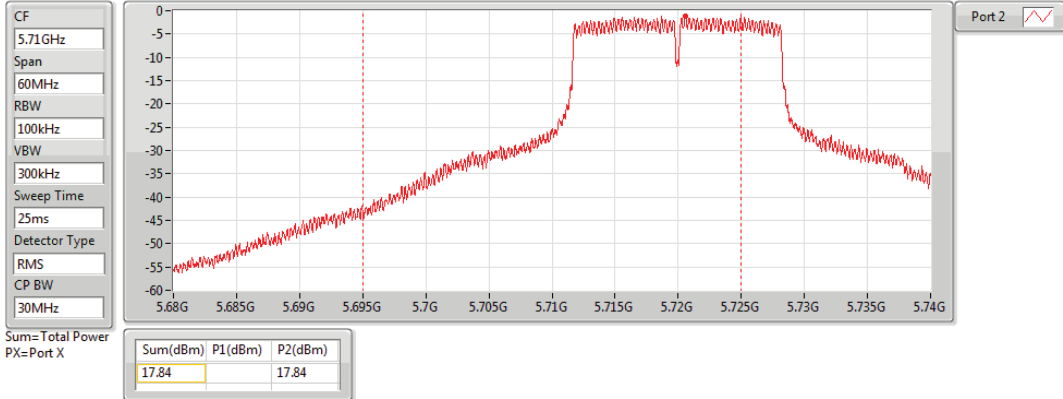
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

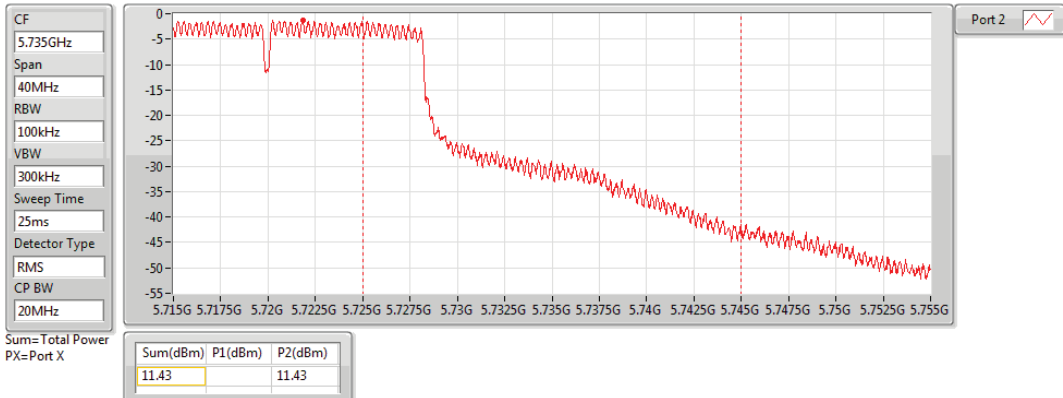


802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

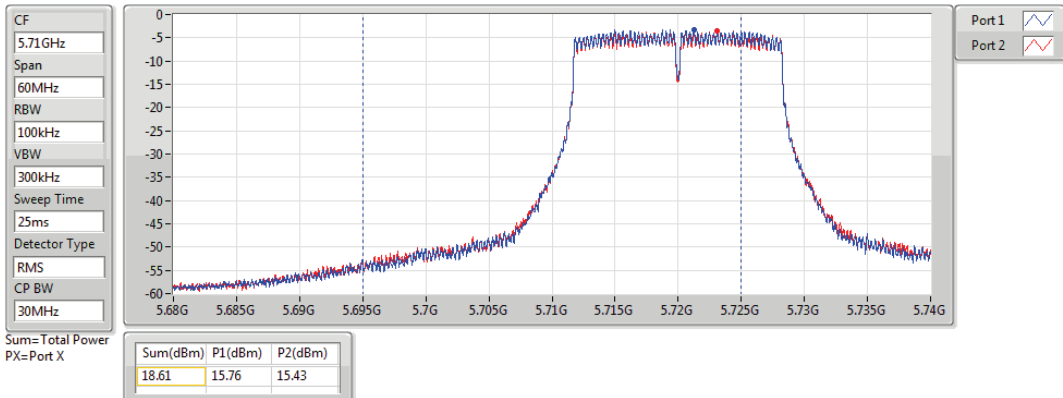


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

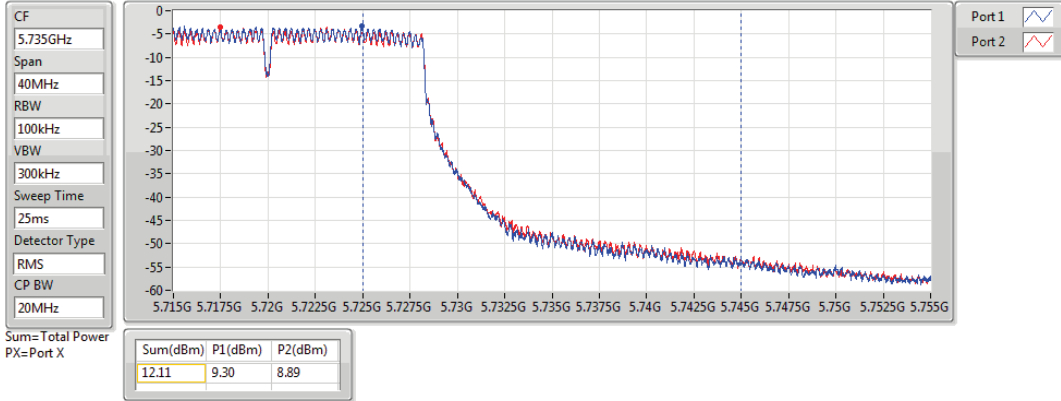


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

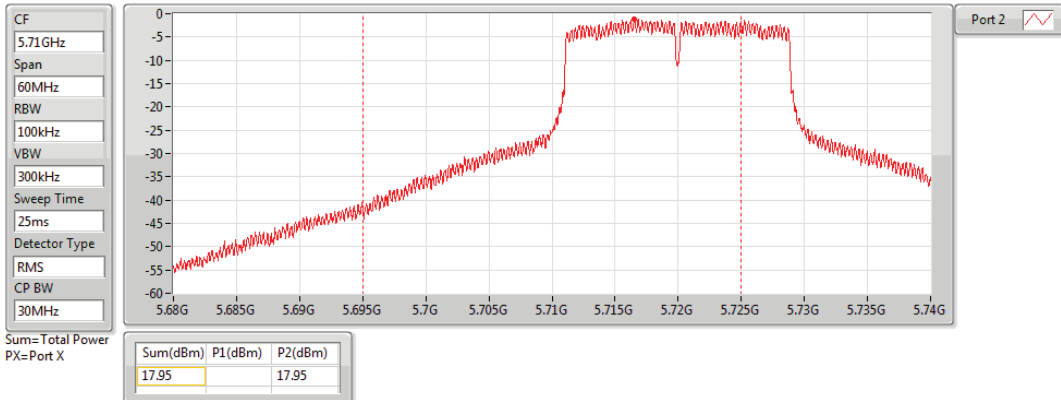


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

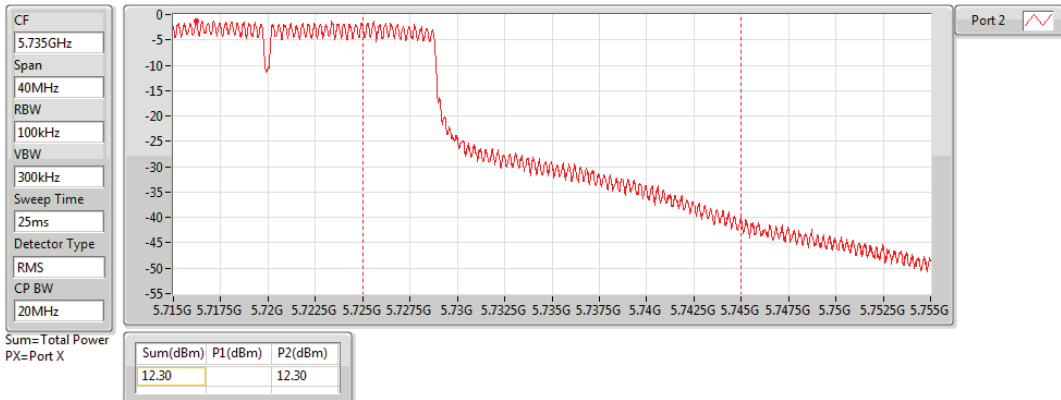


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019



802.11ac VHT20_Nss1,(MCS0)_2TX

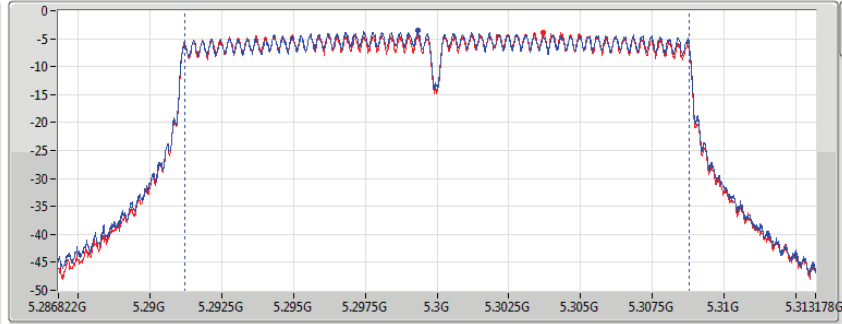
AV Power

5300MHz

05/12/2019

CF
5.3GHz
Span
26.3565MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
17.571MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
19.34	16.44	16.21

802.11ac VHT20_Nss1,(MCS0)_2TX

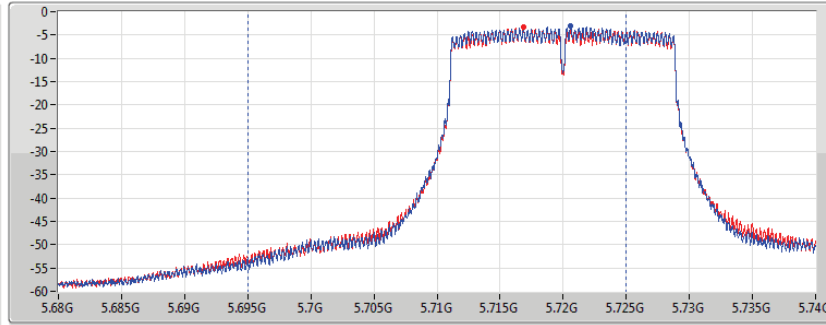
AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
18.84	15.98	15.68

802.11ac VHT20_Nss1,(MCS0)_2TX

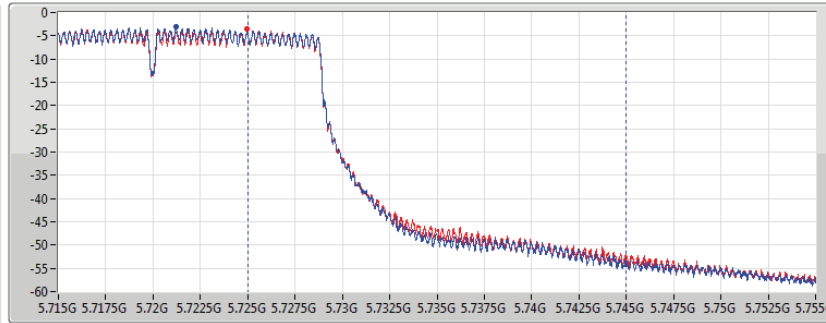
AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

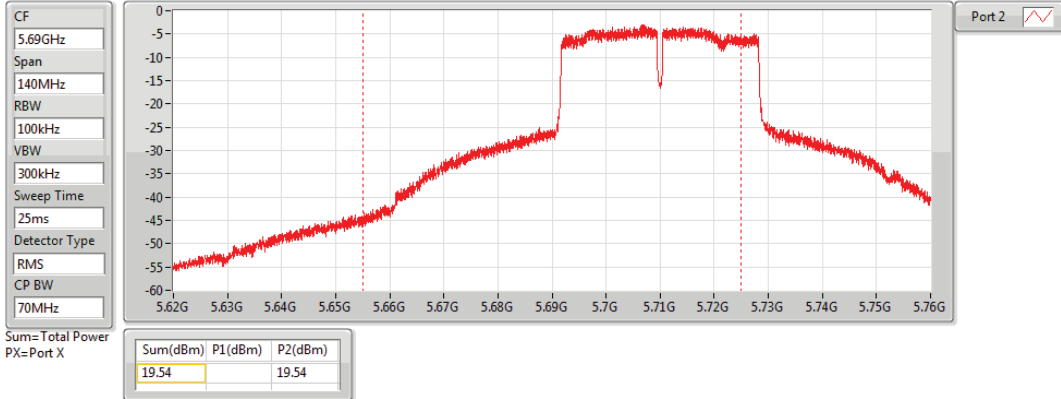
Sum(dBm)	P1(dBm)	P2(dBm)
12.91	9.90	9.90

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

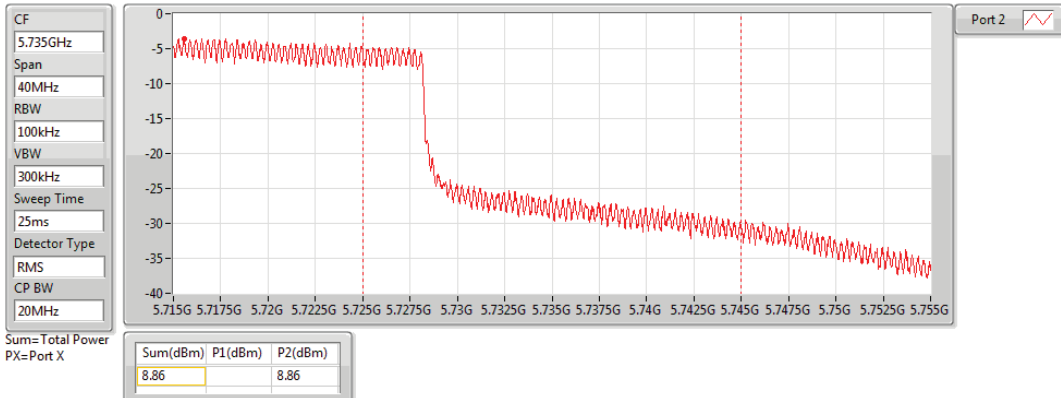


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

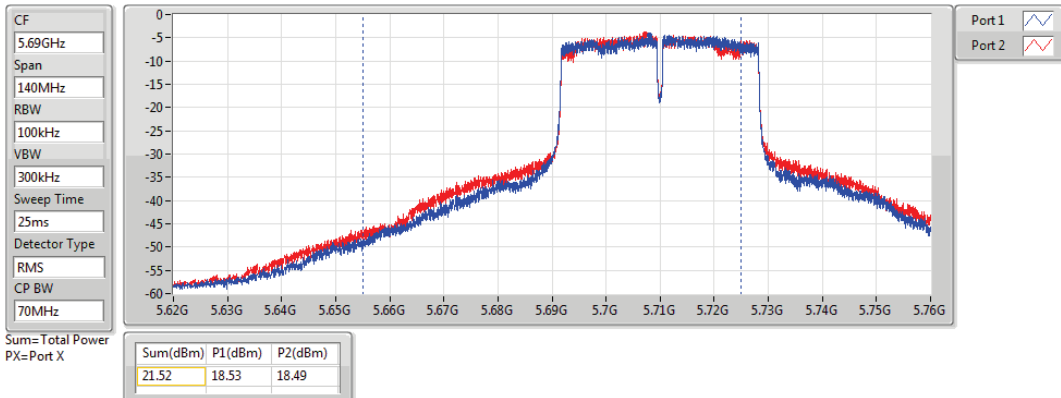


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

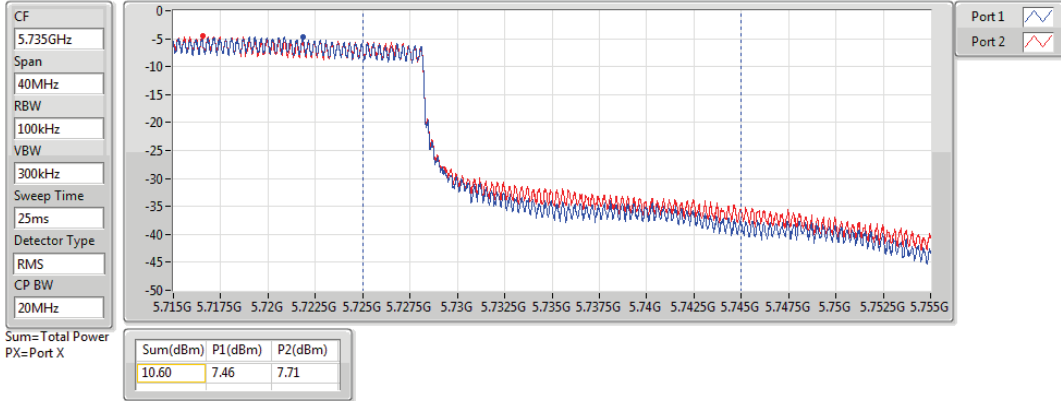


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

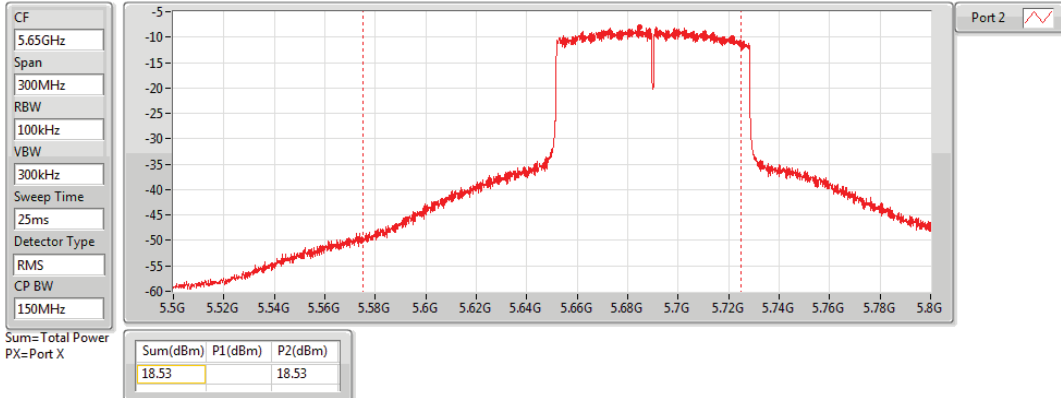


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

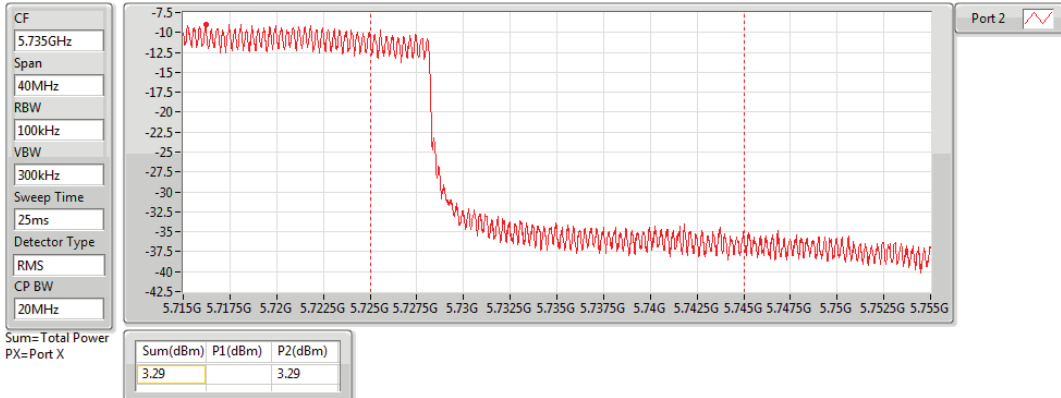


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

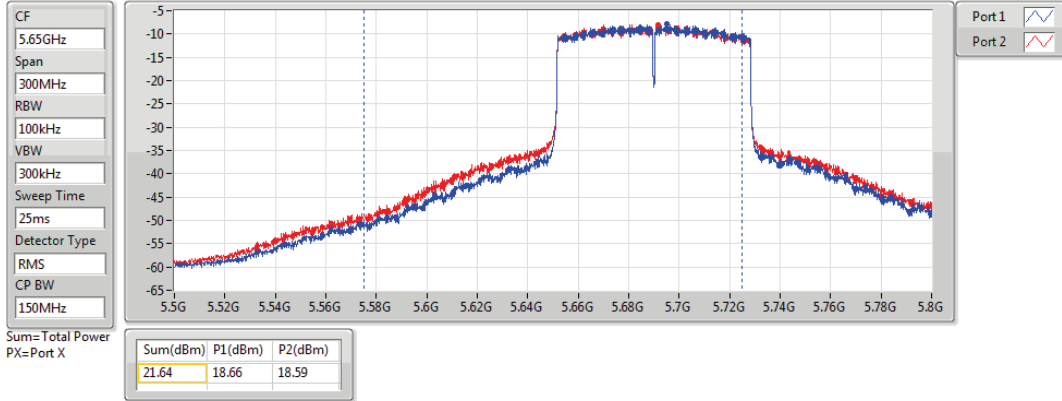


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

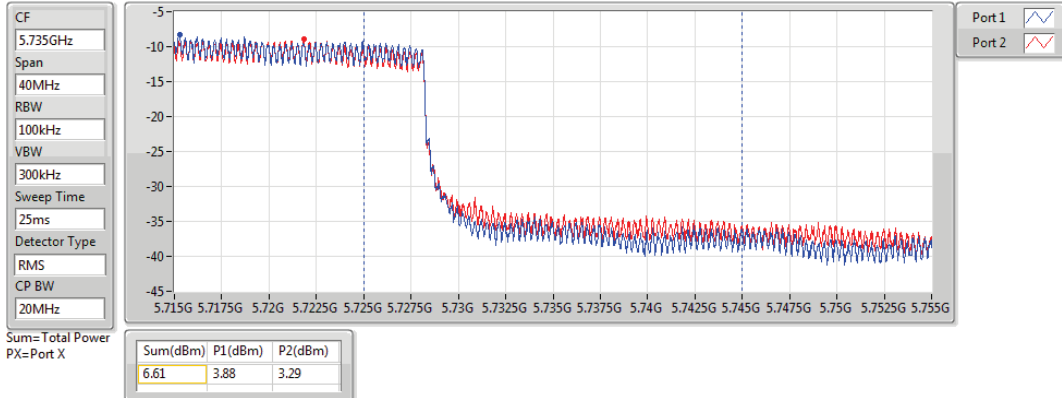


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

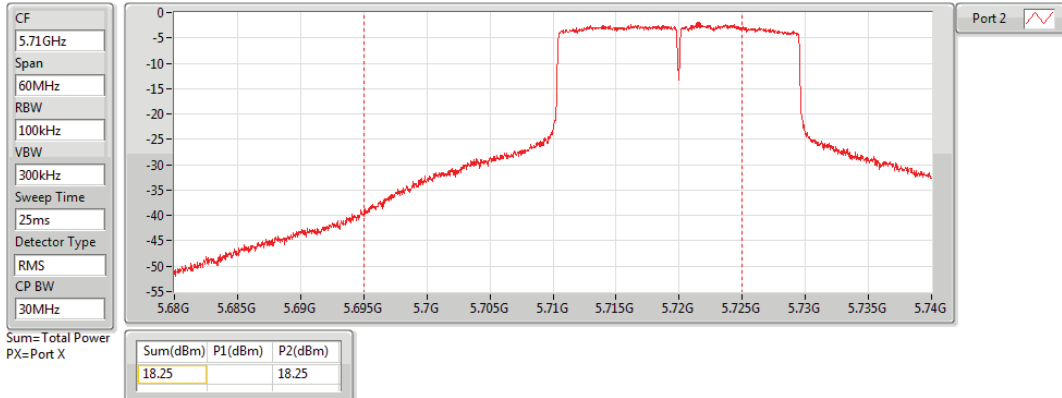


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

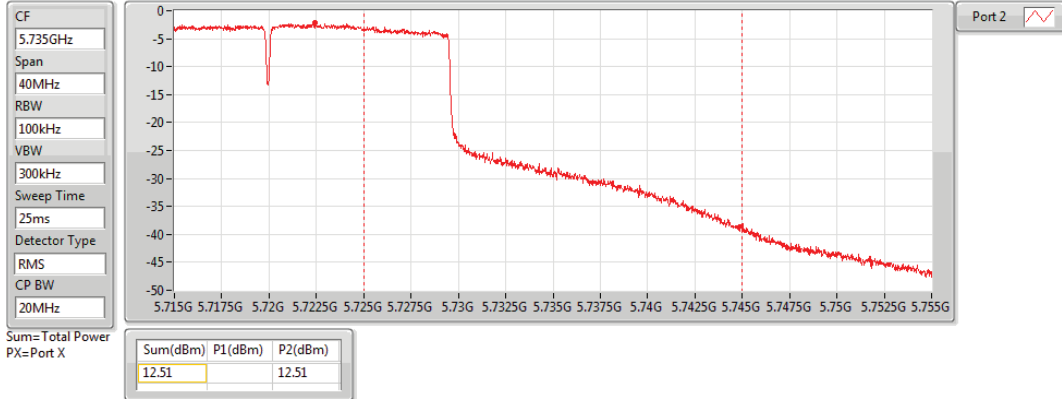


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

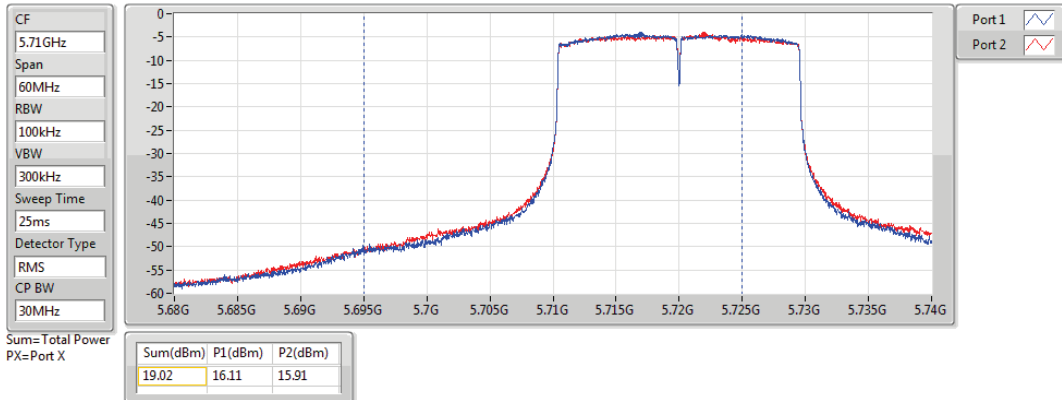


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

