

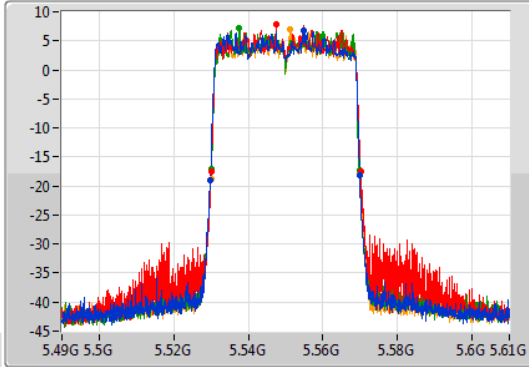
802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

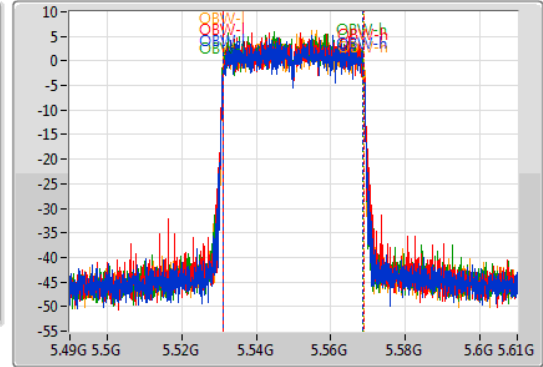
5550MHz

05/11/2019

CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.52978G	5.56986G	37.541M	5.531169G	5.568711G	Inf	1
40.08M	5.53002G	5.5701G	37.541M	5.531229G	5.568771G	Inf	2
39.84M	5.52996G	5.5698G	37.421M	5.531229G	5.568651G	Inf	3
40.08M	5.52996G	5.57004G	37.541M	5.531229G	5.568771G	Inf	4

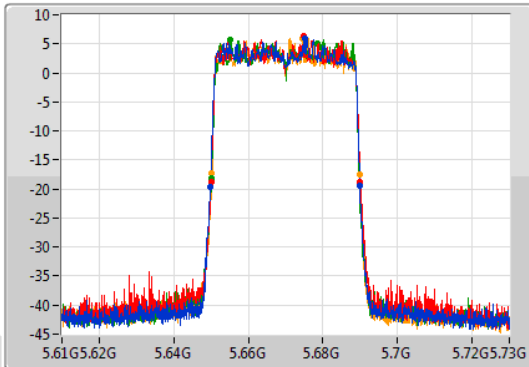
802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

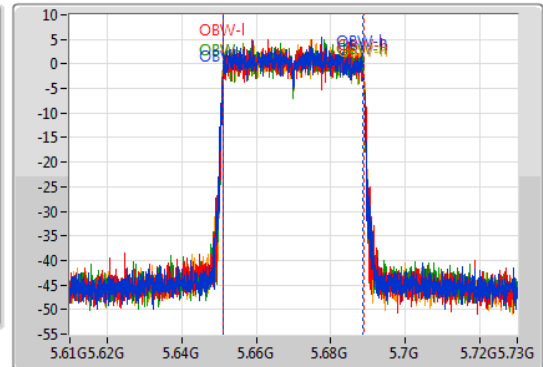
5670MHz

05/11/2019

CF  
5.67GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.67GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2  
Port 3  
Port 4

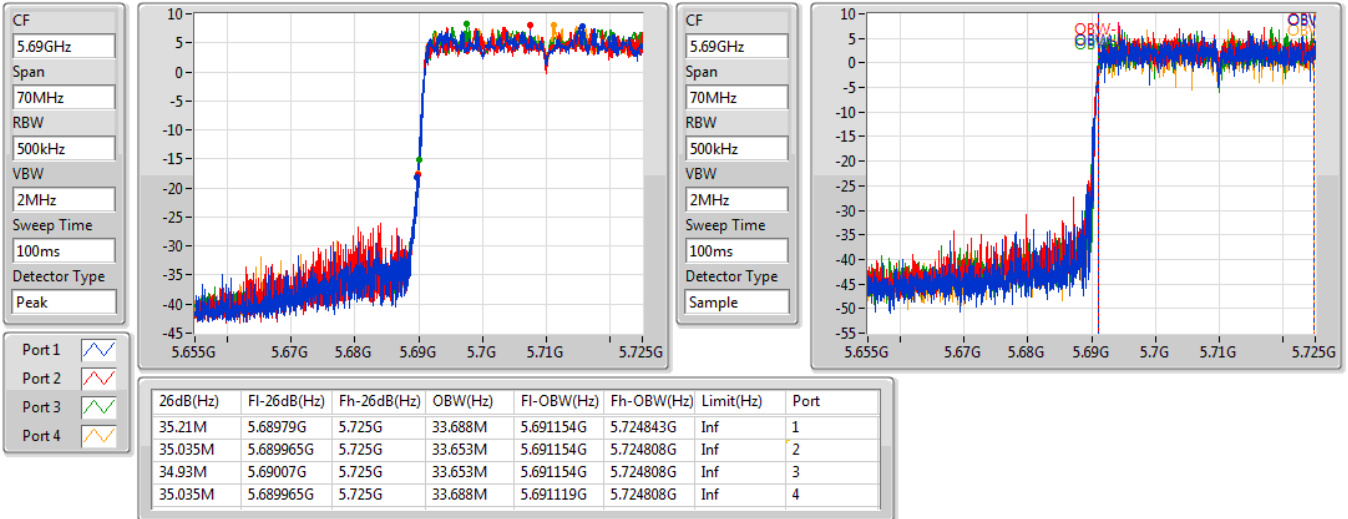
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.64978G	5.68986G	37.541M	5.651109G	5.688651G	Inf	1
40.08M	5.64996G	5.69004G	37.601M	5.651169G	5.688771G	Inf	2
39.72M	5.65002G	5.68974G	37.541M	5.651169G	5.688711G	Inf	3
39.9M	5.65008G	5.68998G	37.661M	5.651109G	5.688771G	Inf	4

802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/11/2019

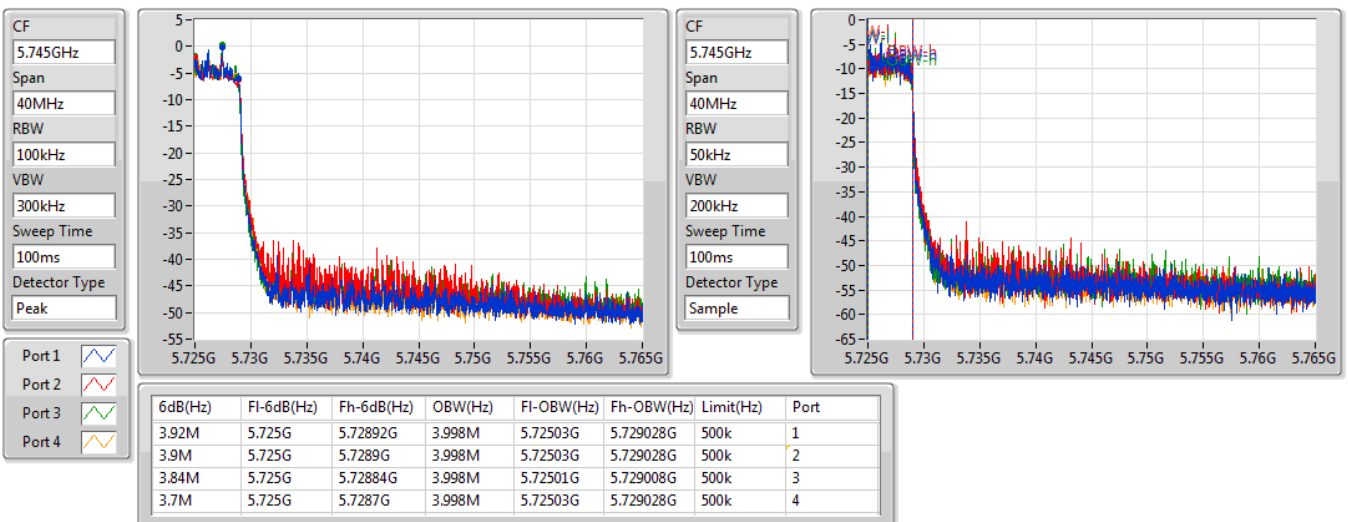


802.11ax HEW40\_Nss4,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/11/2019



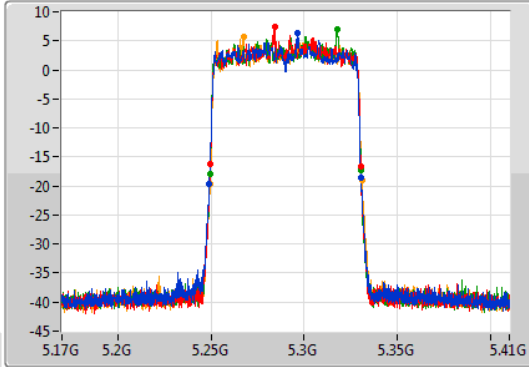
802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5290MHz

05/11/2019

CF  
5.29GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.29GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24908G	5.33044G	77.001M	5.251379G	5.328381G	Inf	1
81M	5.24944G	5.33044G	77.001M	5.251379G	5.328381G	Inf	2
81M	5.24944G	5.33044G	77.361M	5.251139G	5.328501G	Inf	3
81.6M	5.24944G	5.33104G	77.001M	5.251499G	5.328501G	Inf	4

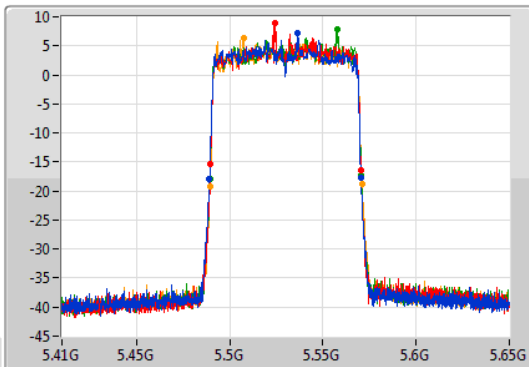
802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

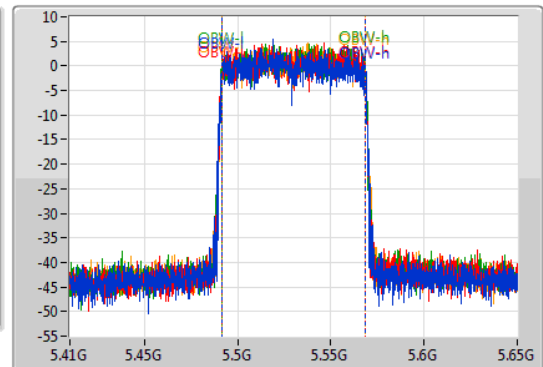
5530MHz

05/11/2019

CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48908G	5.57044G	77.001M	5.491379G	5.568381G	Inf	1
80.88M	5.48956G	5.57044G	76.882M	5.491499G	5.568381G	Inf	2
81.12M	5.48944G	5.57056G	77.121M	5.491379G	5.568501G	Inf	3
81.6M	5.48944G	5.57104G	77.001M	5.491499G	5.568501G	Inf	4

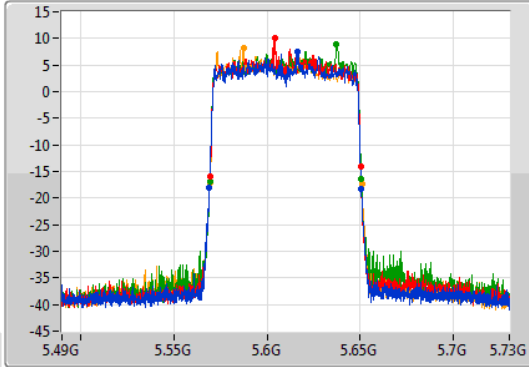
802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

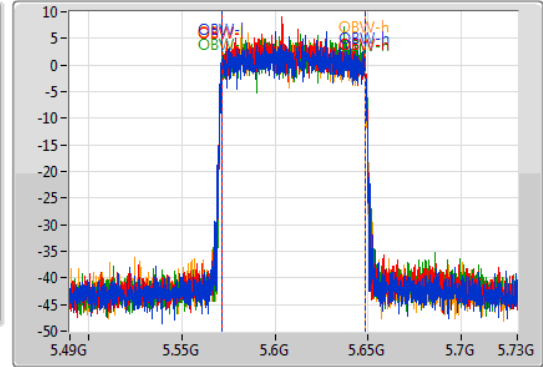
5610MHz

05/11/2019

CF: 5.61GHz  
 Span: 240MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.61GHz  
 Span: 240MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Blue line]  
 Port 2: [Red line]  
 Port 3: [Green line]  
 Port 4: [Orange line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.5692G	5.65056G	77.121M	5.571259G	5.648381G	Inf	1
80.76M	5.56944G	5.6502G	77.001M	5.571379G	5.648381G	Inf	2
81.12M	5.56944G	5.65056G	77.121M	5.571379G	5.648501G	Inf	3
81.36M	5.56944G	5.6508G	76.882M	5.571259G	5.648141G	Inf	4

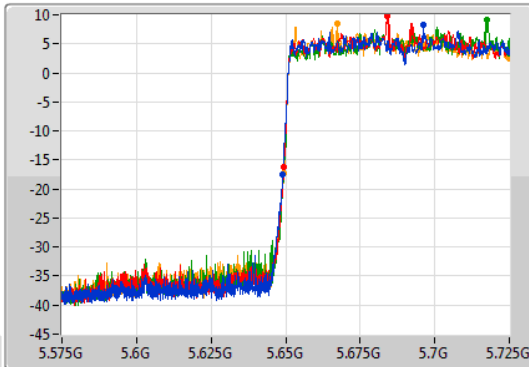
802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

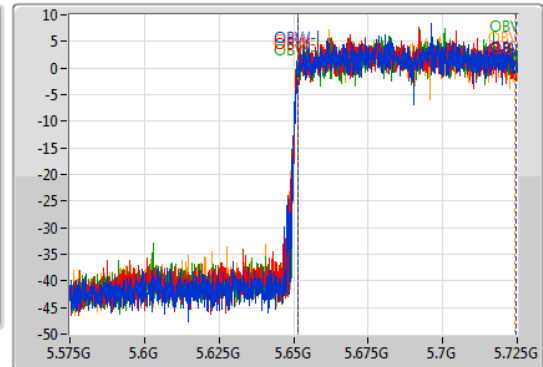
5690MHz Straddle 5.47-5.725GHz

05/11/2019

CF: 5.65GHz  
 Span: 150MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.65GHz  
 Span: 150MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Blue line]  
 Port 2: [Red line]  
 Port 3: [Green line]  
 Port 4: [Orange line]

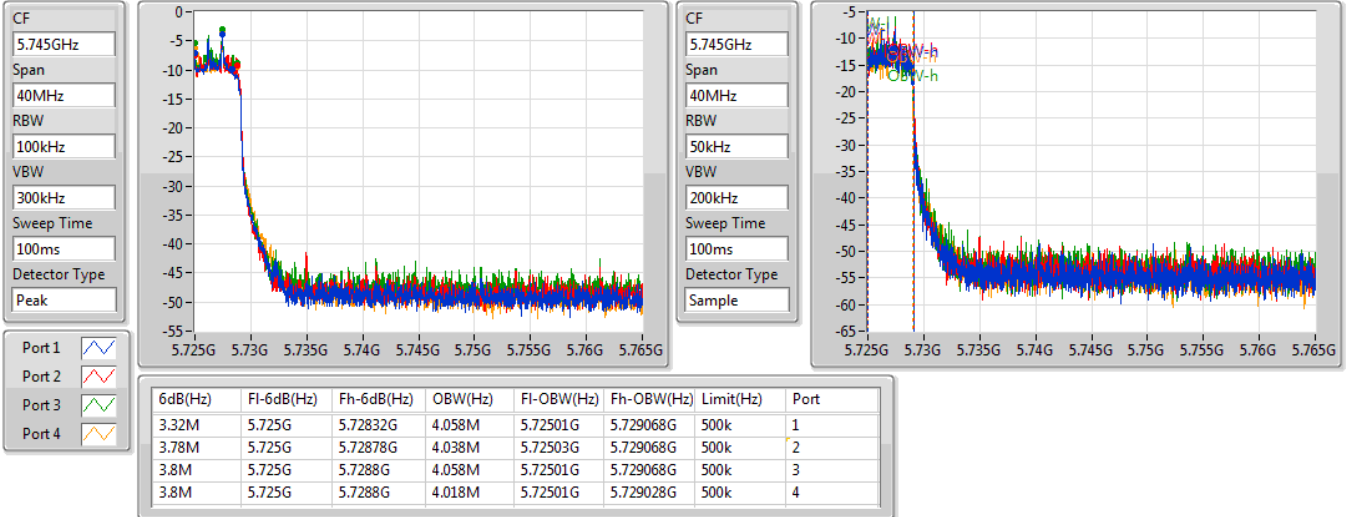
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.975M	5.649025G	5.725G	73.088M	5.651349G	5.724438G	Inf	1
75.6M	5.6494G	5.725G	73.163M	5.651274G	5.724438G	Inf	2
75.525M	5.649475G	5.725G	73.388M	5.651274G	5.724663G	Inf	3
75.675M	5.649325G	5.725G	73.013M	5.651349G	5.724363G	Inf	4

802.11ax HEW80\_Nss4,(MCS0)\_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/11/2019

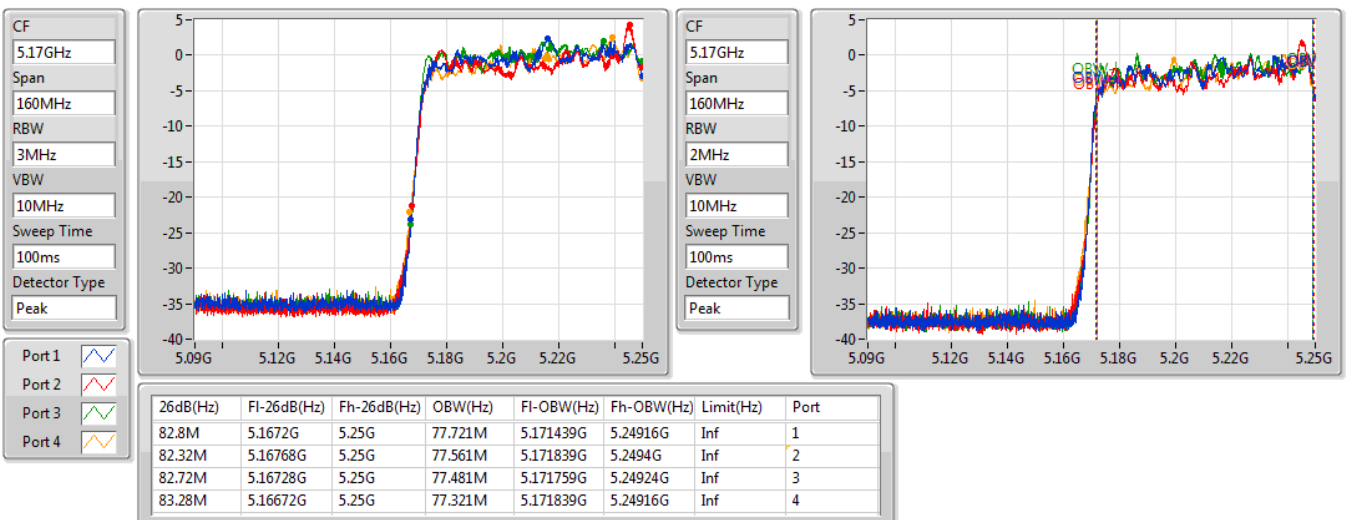


802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

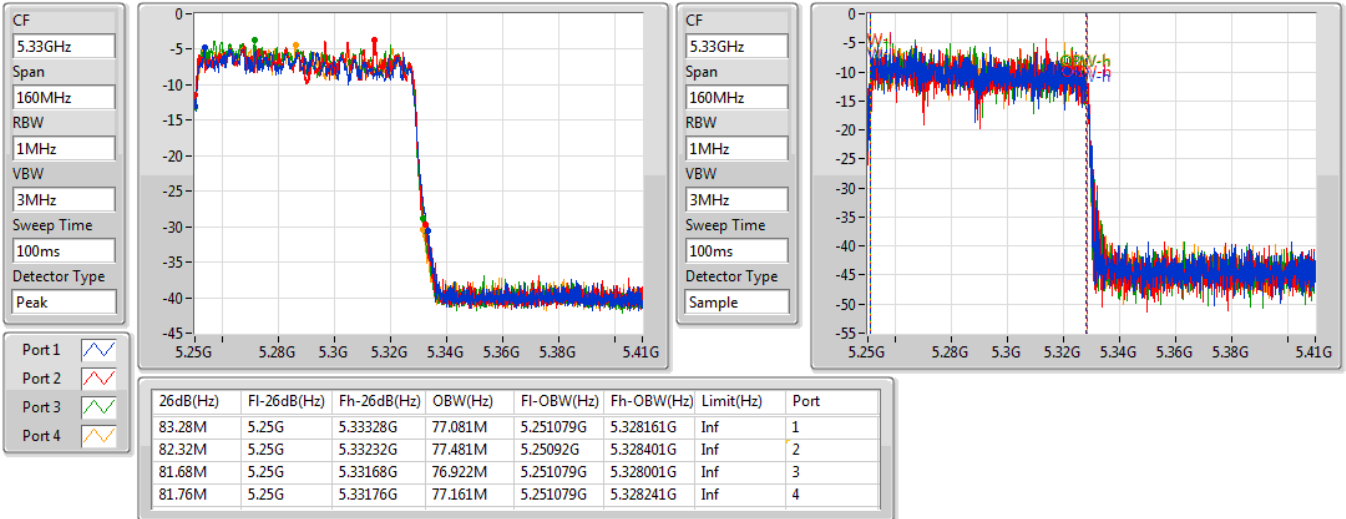


802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/11/2019

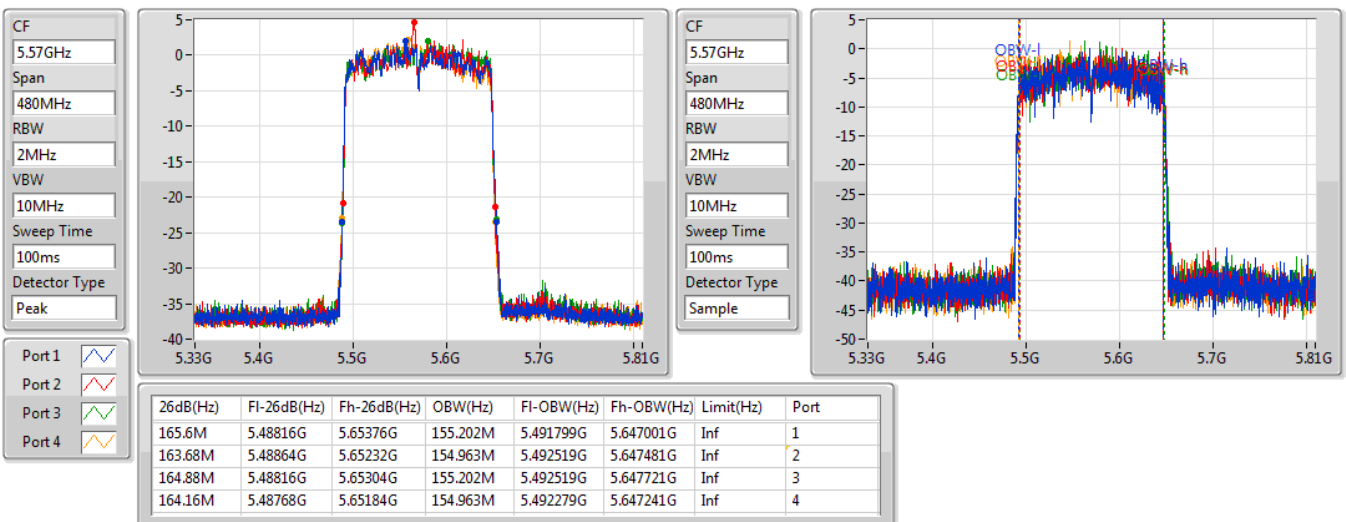


802.11ax HEW160\_Nss4,(MCS0)\_4TX

EBW

5570MHz

05/11/2019





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_1TX	82.8M	76.842M	76M8D1D	82.8M	76.842M
802.11ax HEW160_Nss1,(MCS0)_1TX	83.2M	77.561M	77M6D1D	83.2M	77.561M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.57M	16.732M	16M7D1D	21.45M	16.702M
802.11ac VHT20_Nss1,(MCS0)_1TX	21.81M	17.841M	17M8D1D	21.72M	17.841M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.28M	36.462M	36M5D1D	41.22M	36.402M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.28M	75.802M	75M8D1D	83.28M	75.802M
802.11ac VHT160_Nss1,(MCS0)_1TX	83.04M	76.522M	76M5D1D	83.04M	76.522M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.66M	19.01M	19M0D1D	21.54M	19.01M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.92M	37.541M	37M5D1D	40.8M	37.541M
802.11ax HEW80_Nss1,(MCS0)_1TX	83.52M	77.121M	77M1D1D	83.52M	77.121M
802.11ax HEW160_Nss1,(MCS0)_1TX	83.52M	77.721M	77M7D1D	83.52M	77.721M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.54M	16.762M	16M8D1D	15.735M	13.373M
802.11ac VHT20_Nss1,(MCS0)_1TX	21.78M	17.841M	17M8D1D	15.915M	13.973M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.16M	36.462M	36M5D1D	35.595M	33.023M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.52M	75.802M	75M8D1D	76.725M	72.489M
802.11ac VHT160_Nss1,(MCS0)_1TX	165.84M	154.243M	154MD1D	165.84M	154.243M
802.11ax HEW20_Nss1,(MCS0)_1TX	22.68M	19.01M	19M0D1D	15.9M	14.528M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.92M	37.541M	37M5D1D	35.455M	33.653M
802.11ax HEW80_Nss1,(MCS0)_1TX	83.76M	77.121M	77M1D1D	76.725M	73.088M
802.11ax HEW160_Nss1,(MCS0)_1TX	166.32M	155.442M	155MD1D	166.32M	155.442M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.14M	4.078M	4M08D1D	3.14M	4.078M
802.11ac VHT20_Nss1,(MCS0)_1TX	3.76M	4.298M	4M30D1D	3.76M	4.298M
802.11ac VHT40_Nss1,(MCS0)_1TX	3.14M	3.698M	3M70D1D	3.14M	3.698M
802.11ac VHT80_Nss1,(MCS0)_1TX	3.12M	4.058M	4M06D1D	3.12M	4.058M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.46M	4.558M	4M56D1D	4.46M	4.558M
802.11ax HEW40_Nss1,(MCS0)_1TX	3.74M	4.058M	4M06D1D	3.74M	4.058M
802.11ax HEW80_Nss1,(MCS0)_1TX	3.8M	4.298M	4M30D1D	3.8M	4.298M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	21.48M	16.702M
5300MHz	Pass	Inf	21.45M	16.732M
5320MHz	Pass	Inf	21.57M	16.702M
5500MHz	Pass	Inf	21.48M	16.762M
5580MHz	Pass	Inf	21.54M	16.762M
5700MHz	Pass	Inf	21.51M	16.762M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	13.373M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.078M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.841M
5300MHz	Pass	Inf	21.72M	17.841M
5320MHz	Pass	Inf	21.78M	17.841M
5500MHz	Pass	Inf	21.78M	17.841M
5580MHz	Pass	Inf	21.72M	17.841M
5700MHz	Pass	Inf	21.78M	17.841M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.915M	13.973M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.298M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	41.28M	36.402M
5310MHz	Pass	Inf	41.22M	36.462M
5510MHz	Pass	Inf	41.1M	36.402M
5550MHz	Pass	Inf	41.16M	36.462M
5670MHz	Pass	Inf	41.16M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.595M	33.023M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.698M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	83.28M	75.802M
5530MHz	Pass	Inf	83.4M	75.802M
5610MHz	Pass	Inf	83.52M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	4.058M
802.11ac VHT160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.8M	76.842M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.04M	76.522M
5570MHz	Pass	Inf	165.84M	154.243M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	21.66M	19.01M
5300MHz	Pass	Inf	21.54M	19.01M
5320MHz	Pass	Inf	21.57M	19.01M
5500MHz	Pass	Inf	21.63M	19.01M
5580MHz	Pass	Inf	22.68M	19.01M
5700MHz	Pass	Inf	21.6M	19.01M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.9M	14.528M





Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.558M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	40.8M	37.541M
5310MHz	Pass	Inf	40.92M	37.541M
5510MHz	Pass	Inf	40.68M	37.541M
5550MHz	Pass	Inf	40.74M	37.541M
5670MHz	Pass	Inf	40.92M	37.541M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.455M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.058M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	83.52M	77.121M
5530MHz	Pass	Inf	83.76M	77.121M
5610MHz	Pass	Inf	83.64M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.298M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.2M	77.561M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.52M	77.721M
5570MHz	Pass	Inf	166.32M	155.442M

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

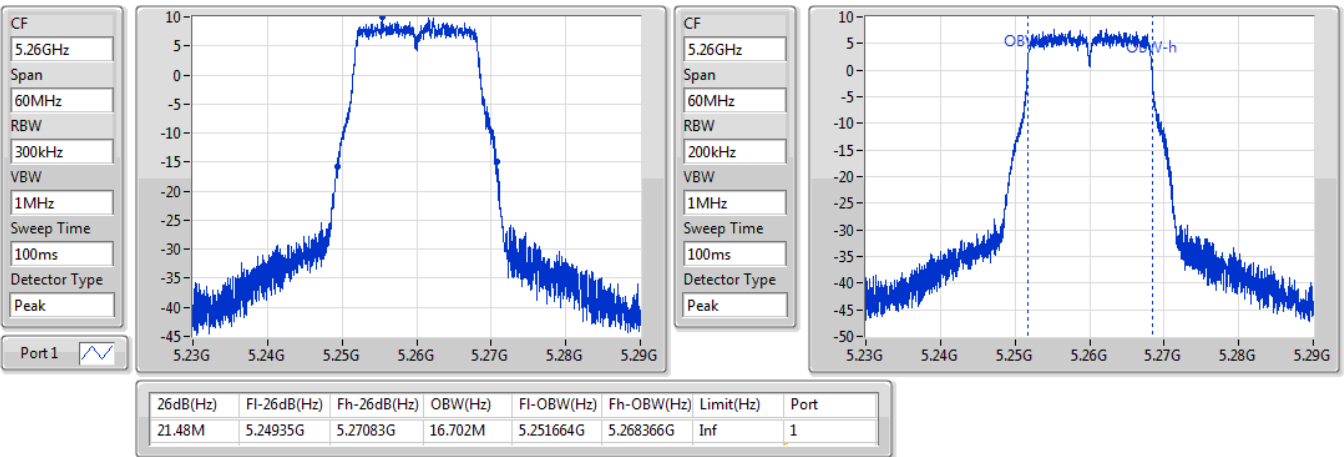
Port X-OBW = Port X 99% occupied bandwidth;

802.11a\_Nss1,(6Mbps)\_1TX

EBW

5260MHz

29/11/2019

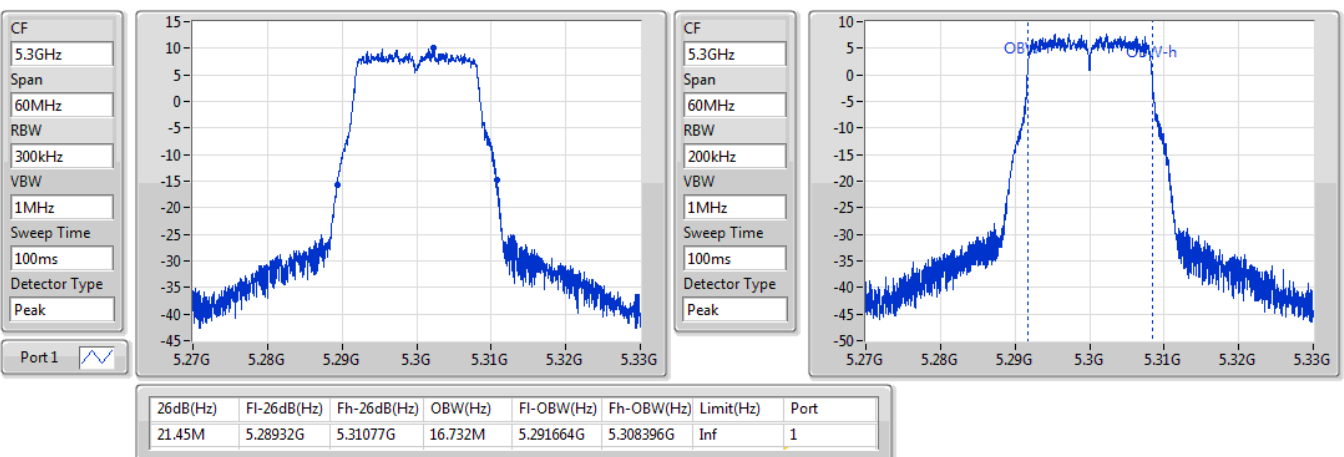


802.11a\_Nss1,(6Mbps)\_1TX

EBW

5300MHz

29/11/2019



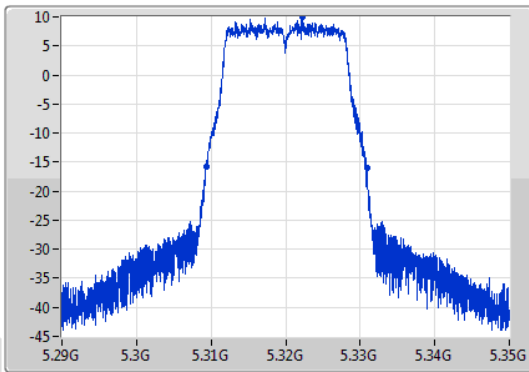
802.11a\_Nss1,(6Mbps)\_1TX

EBW

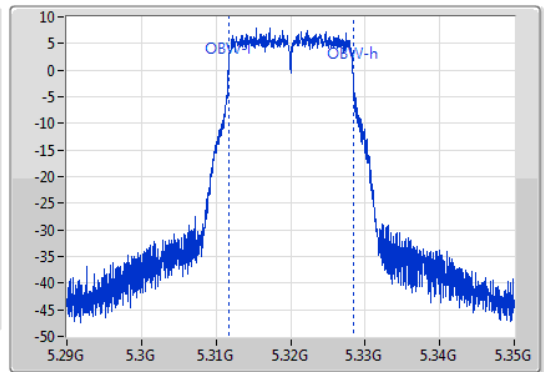
5320MHz

29/11/2019

CF: 5.32GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.32GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.30932G	5.33089G	16.702M	5.311664G	5.328366G	Inf	1

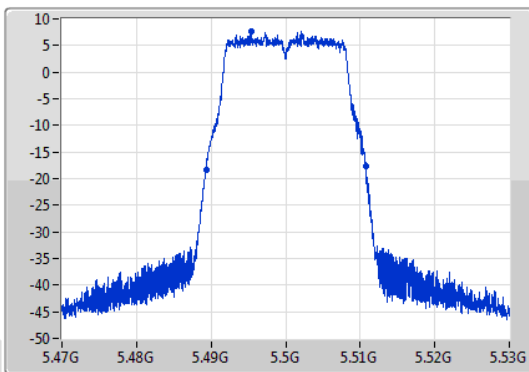
802.11a\_Nss1,(6Mbps)\_1TX

EBW

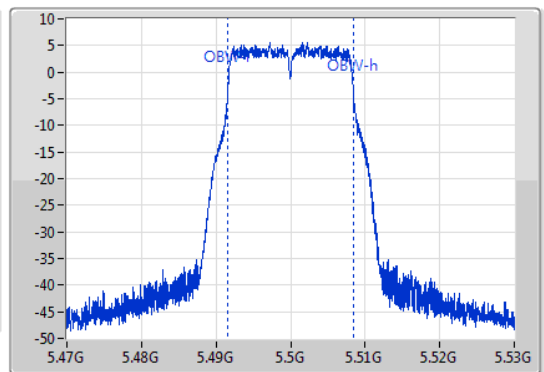
5500MHz

29/11/2019

CF: 5.5GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.5GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.48932G	5.5108G	16.762M	5.491634G	5.508396G	Inf	1

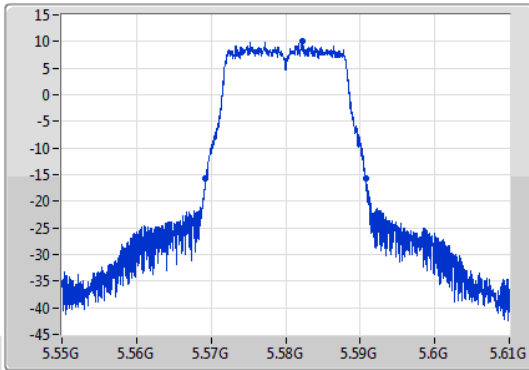
802.11a\_Nss1,(6Mbps)\_1TX

EBW

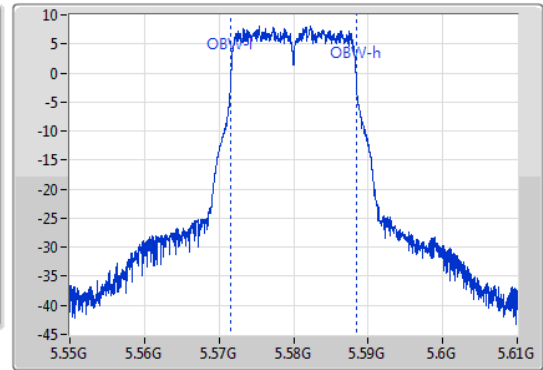
5580MHz

29/11/2019

CF: 5.58GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.58GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.56926G	5.5908G	16.762M	5.571634G	5.588396G	Inf	1

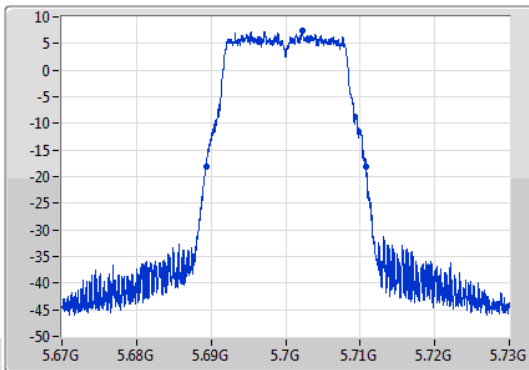
802.11a\_Nss1,(6Mbps)\_1TX

EBW

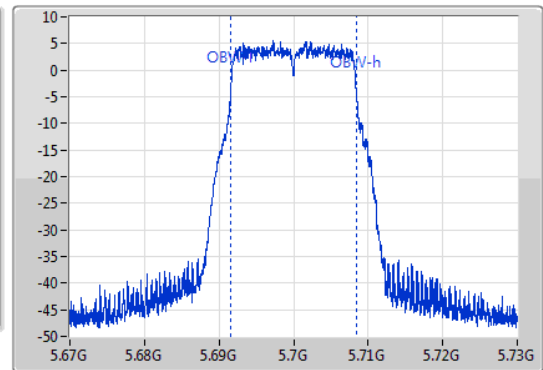
5700MHz

29/11/2019

CF: 5.7GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.7GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



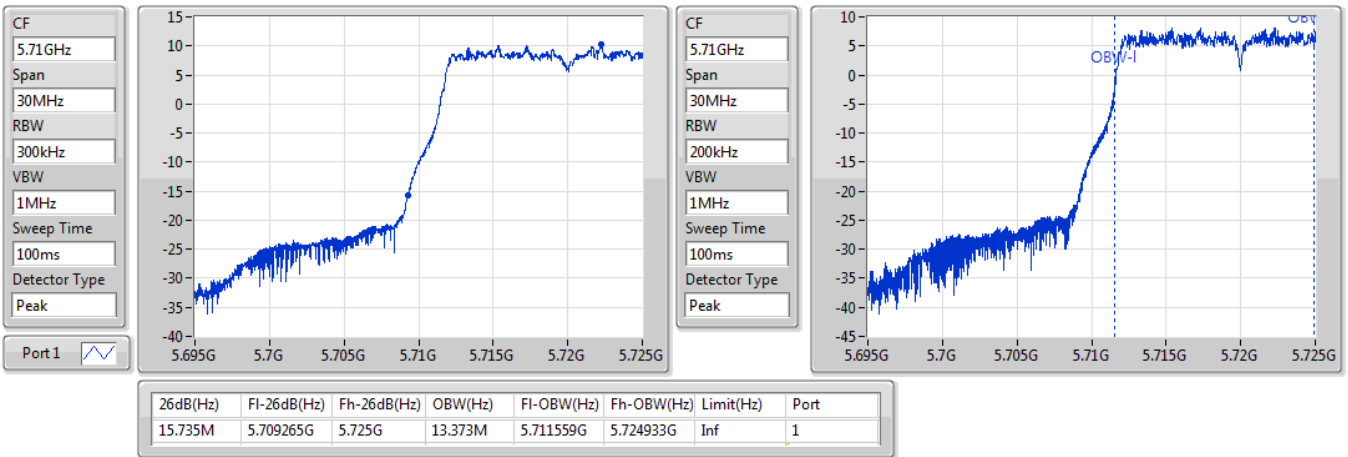
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.68932G	5.71083G	16.762M	5.691634G	5.708396G	Inf	1

802.11a\_Nss1,(6Mbps)\_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

29/11/2019

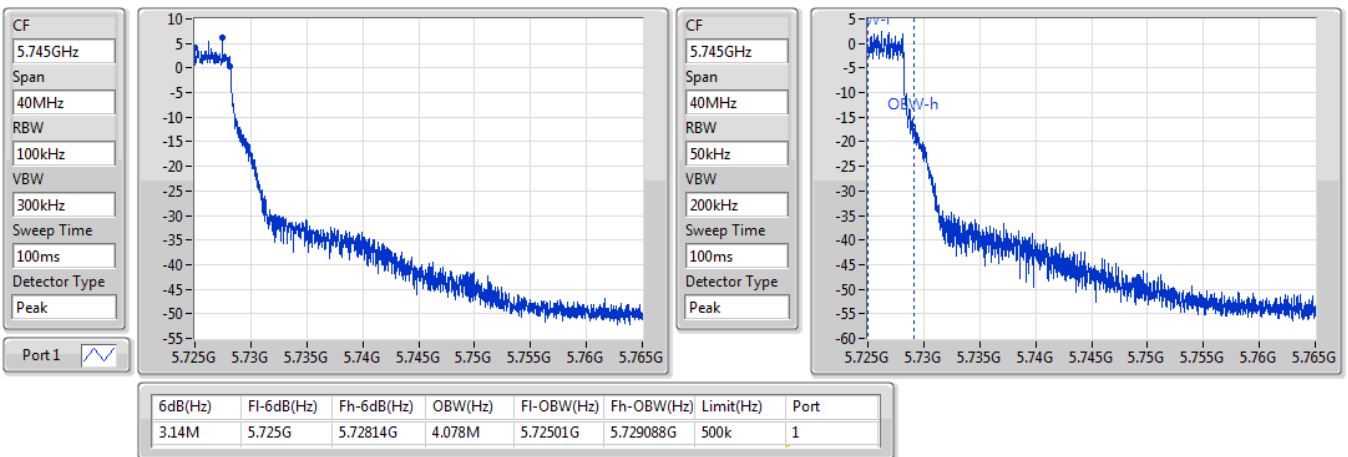


802.11a\_Nss1,(6Mbps)\_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

29/11/2019

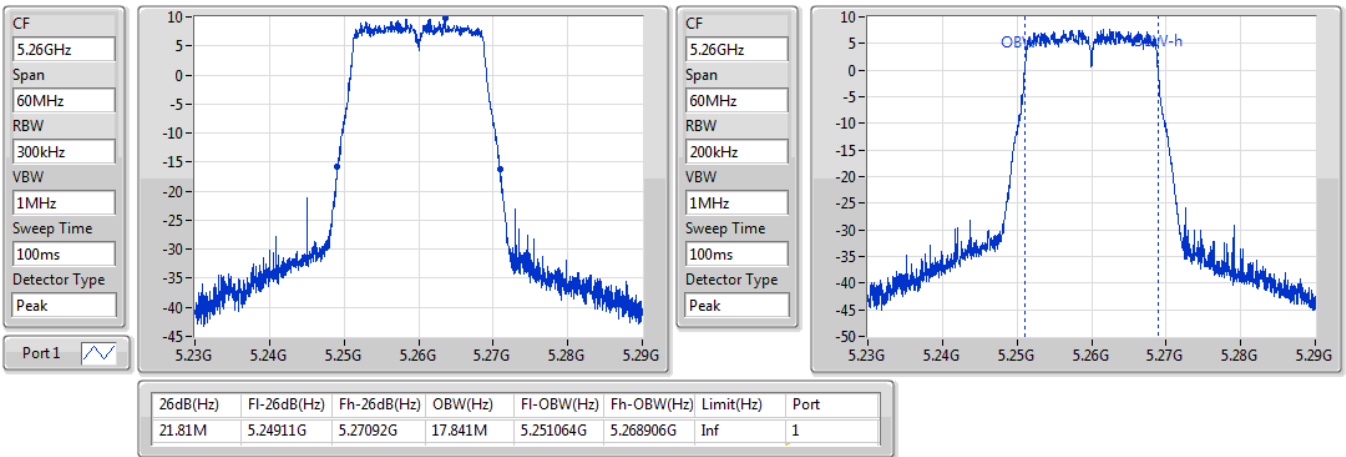


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5260MHz

29/11/2019

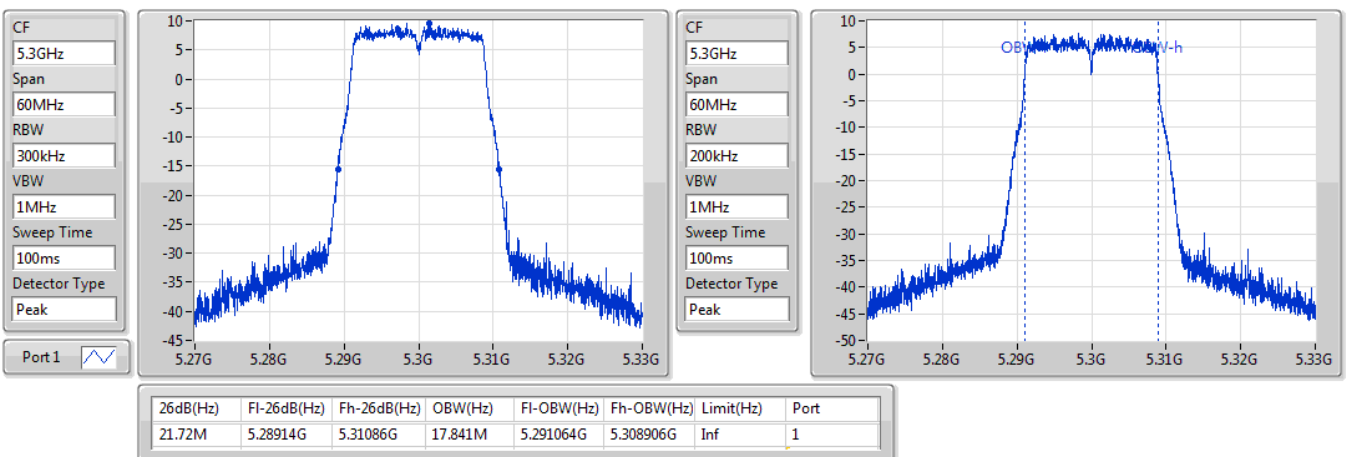


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5300MHz

29/11/2019

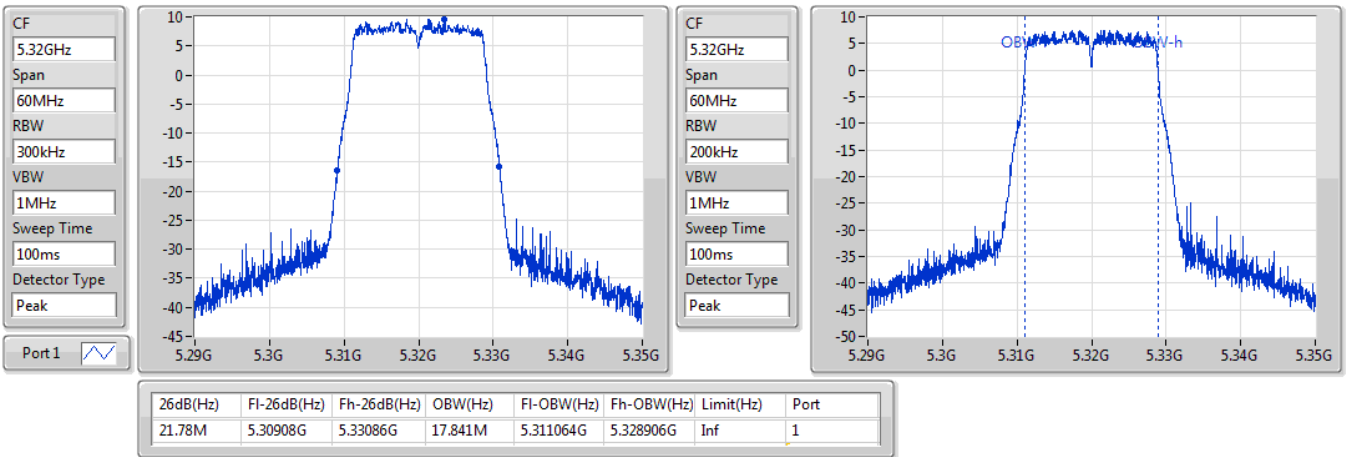


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5320MHz

29/11/2019

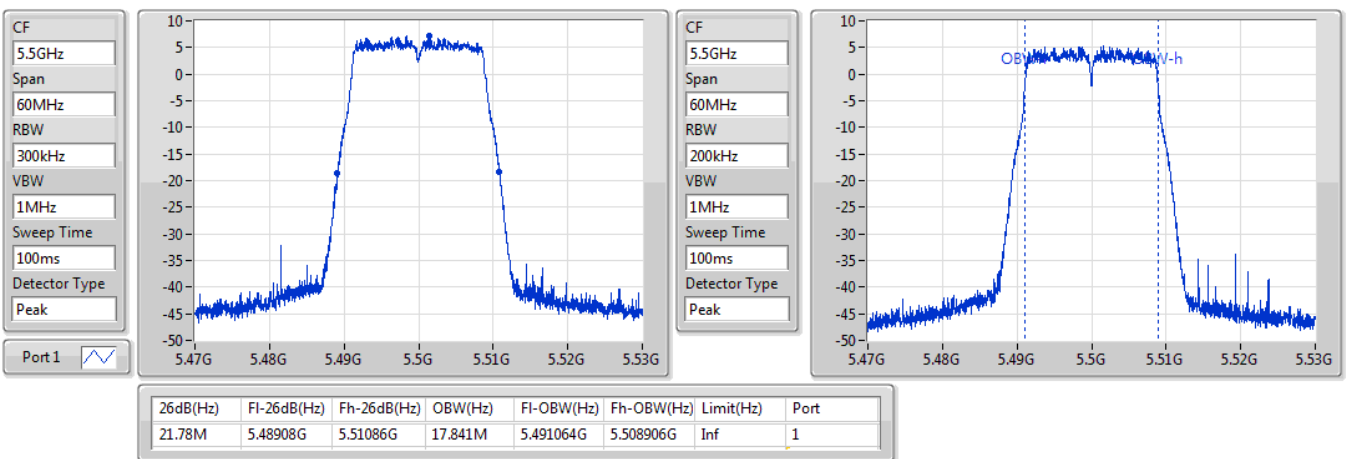


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5500MHz

29/11/2019



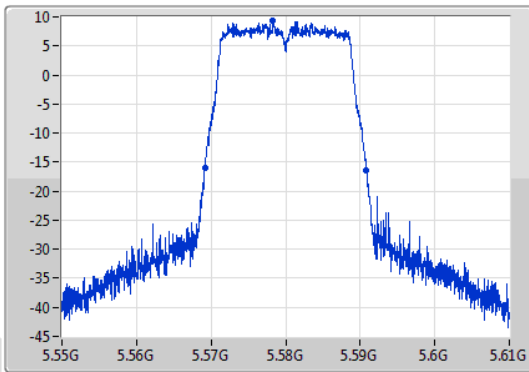
802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

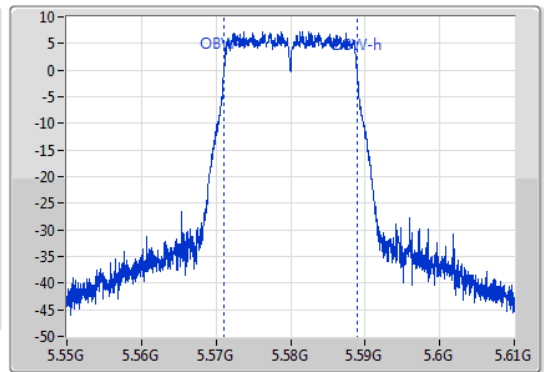
5580MHz

29/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.56914G	5.59086G	17.841M	5.571064G	5.588906G	Inf	1

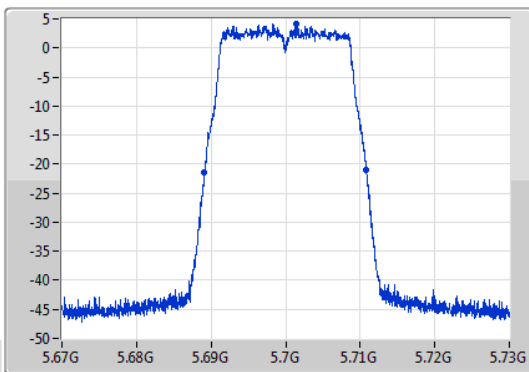
802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

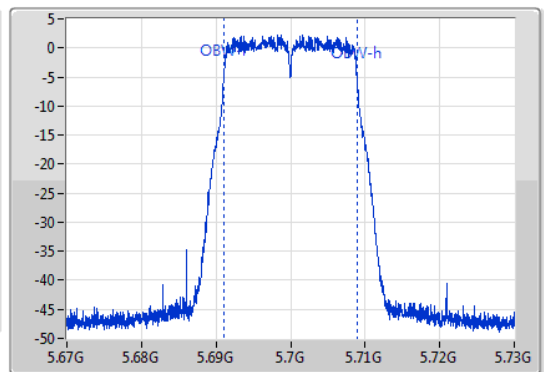
5700MHz

29/11/2019

CF  
5.7GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.68908G	5.71086G	17.841M	5.691064G	5.708906G	Inf	1

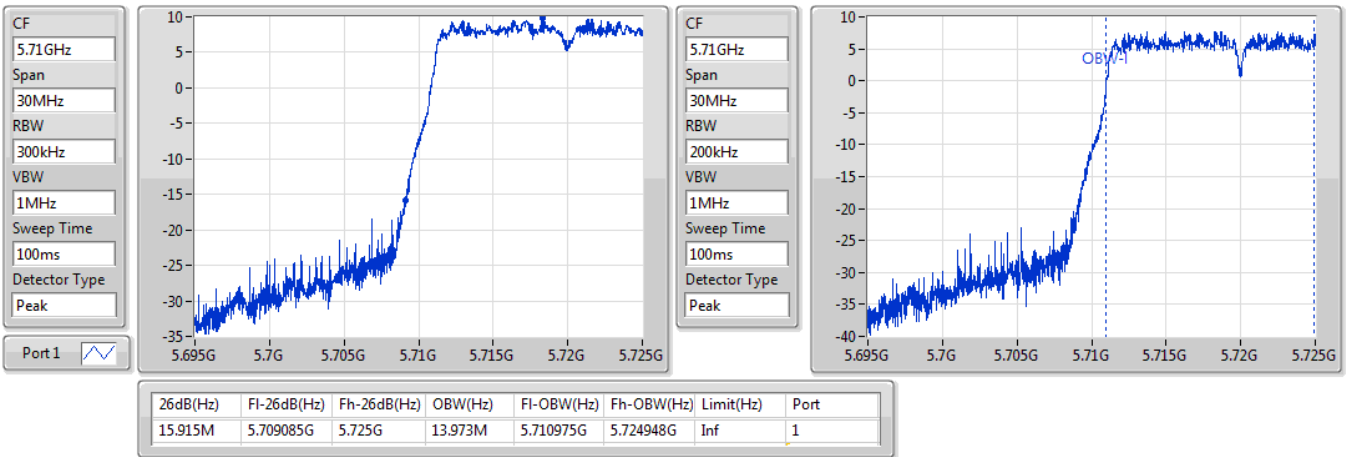


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

29/11/2019

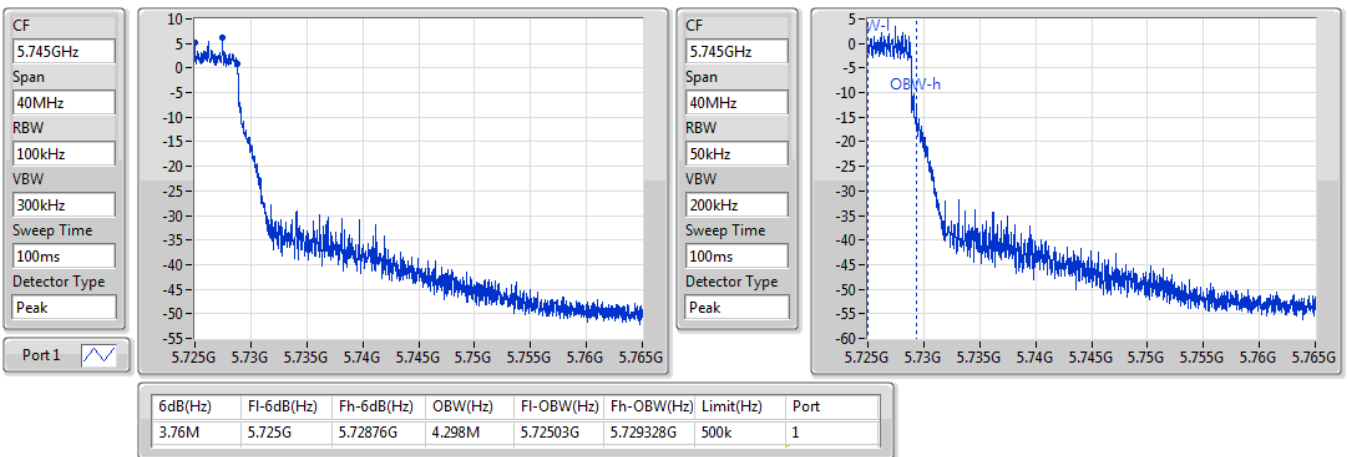


802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

29/11/2019

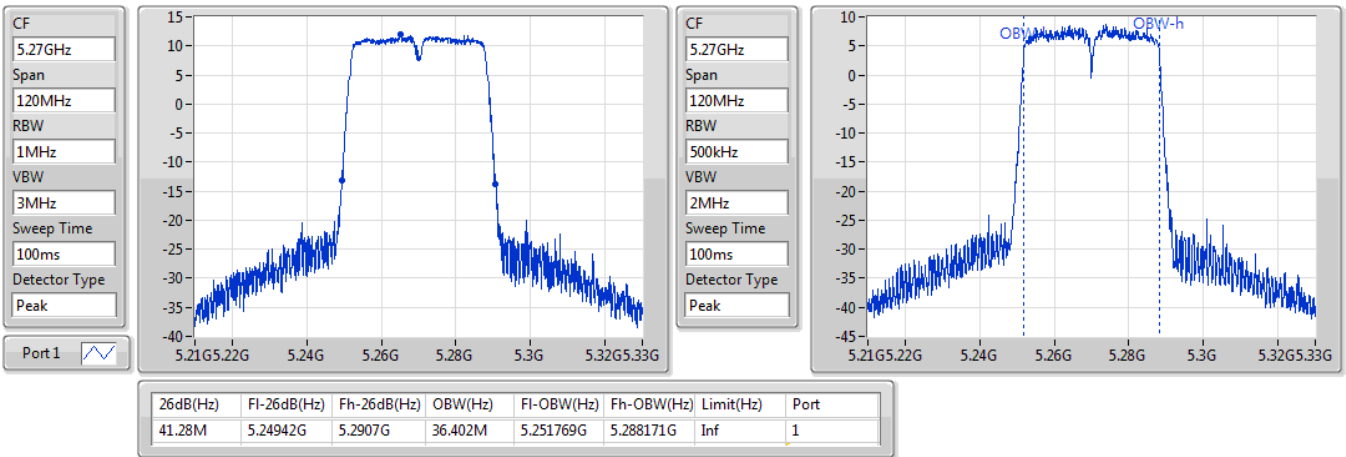


802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5270MHz

29/11/2019

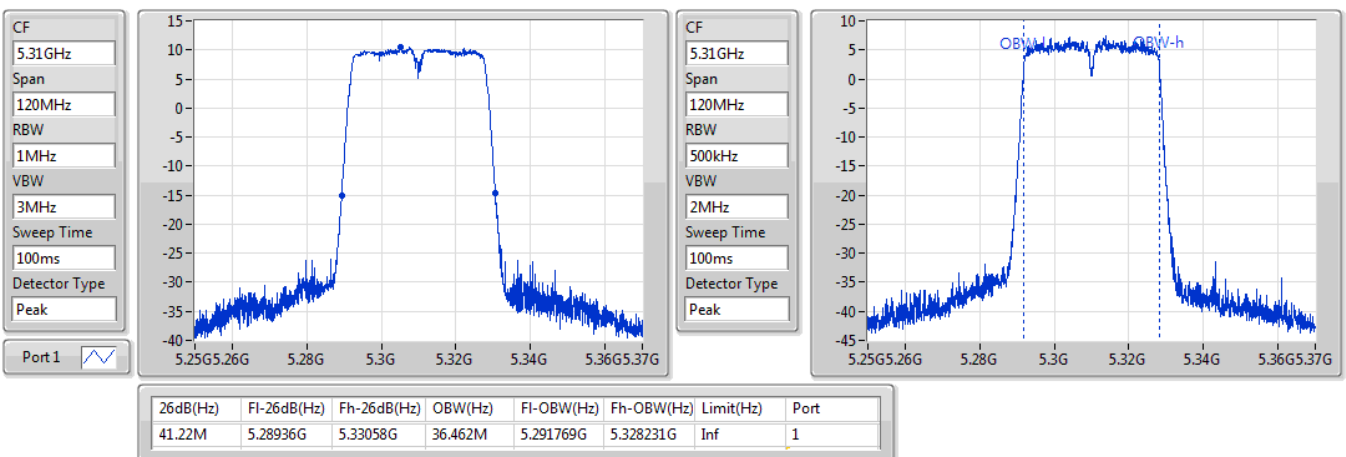


802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5310MHz

29/11/2019



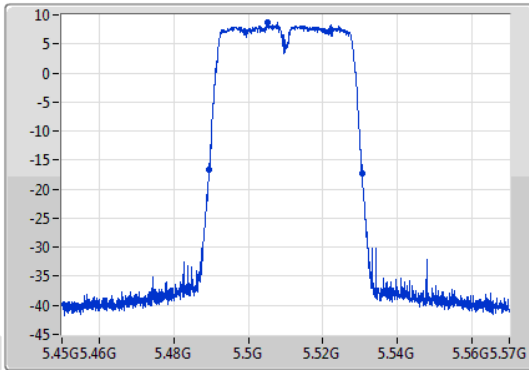
802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

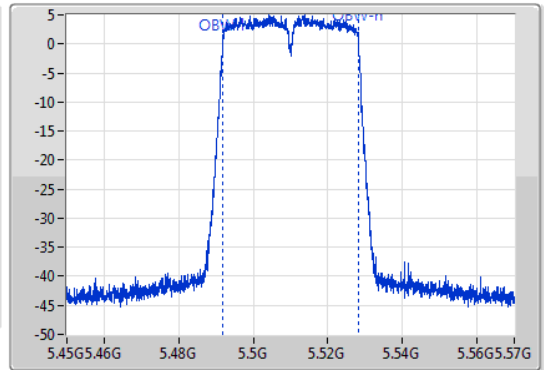
5510MHz

29/11/2019

CF  
5.51GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



CF  
5.51GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.48942G	5.53052G	36.402M	5.491769G	5.528171G	Inf	1

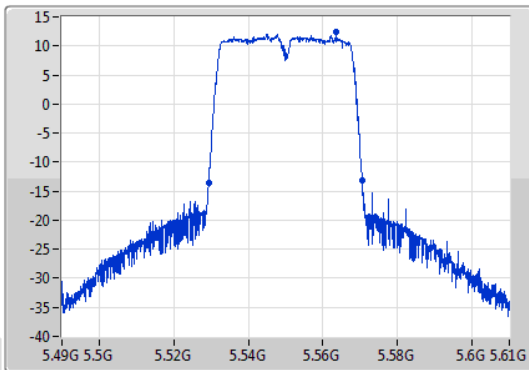
802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

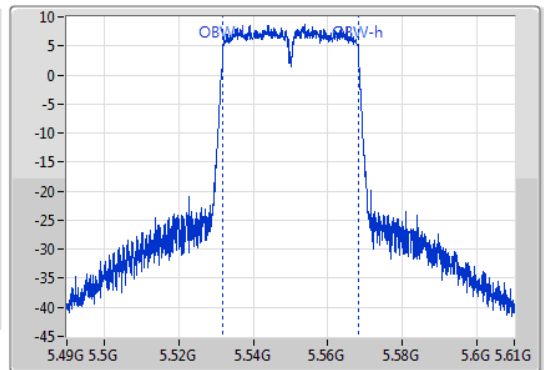
5550MHz

29/11/2019

CF  
5.55GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



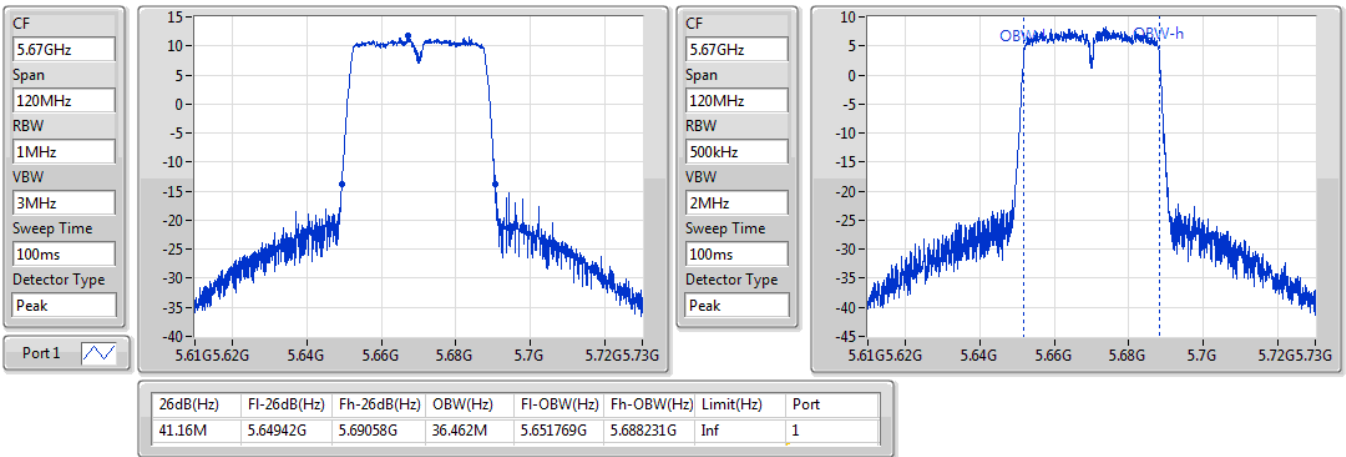
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.16M	5.52936G	5.57052G	36.462M	5.531769G	5.568231G	Inf	1

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5670MHz

29/11/2019

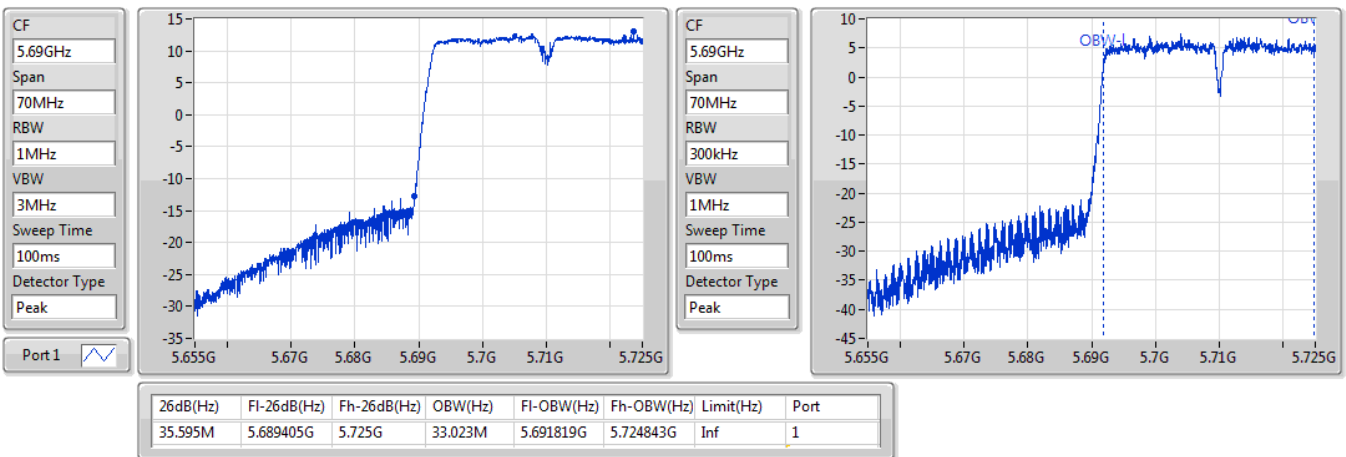


802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

29/11/2019

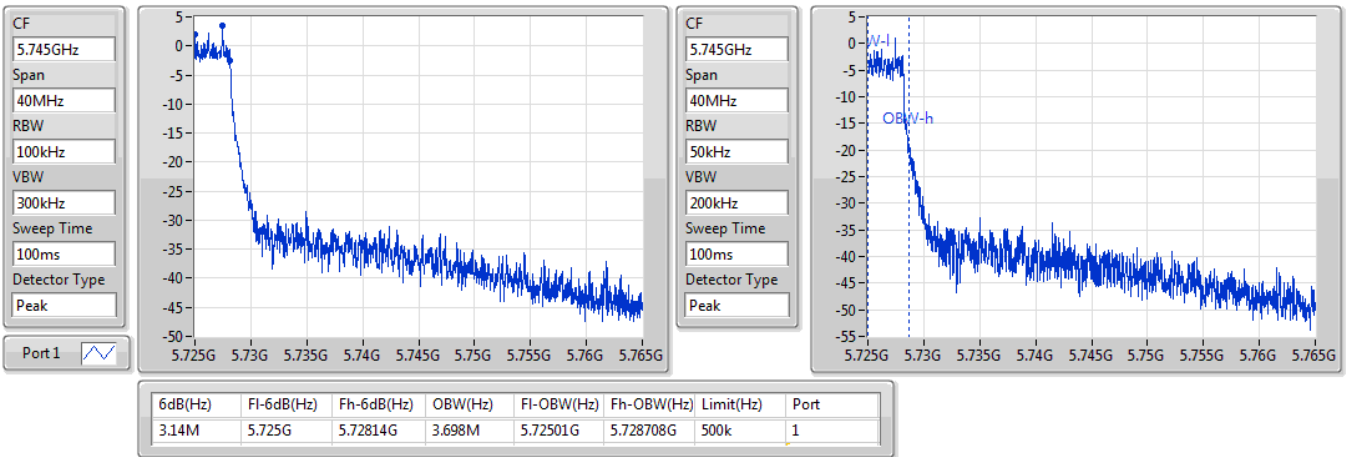


802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

29/11/2019

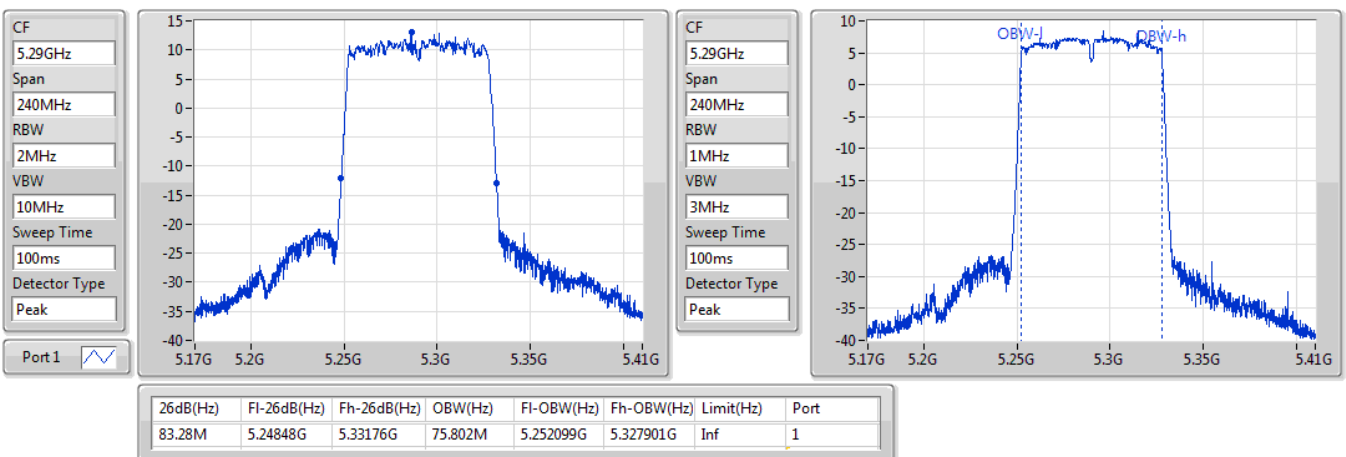


802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5290MHz

29/11/2019

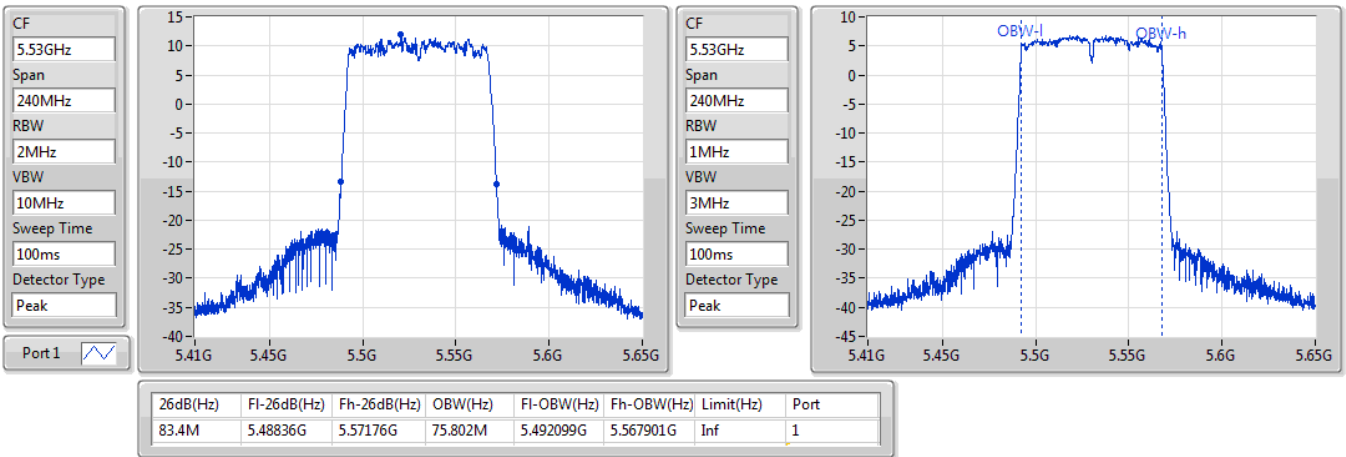


802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5530MHz

29/11/2019

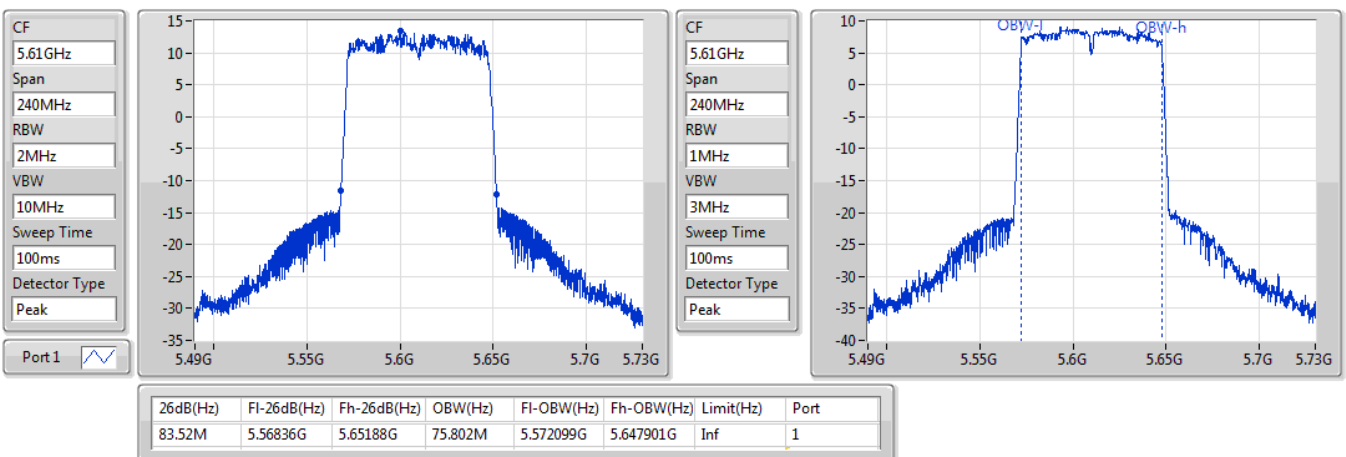


802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5610MHz

29/11/2019

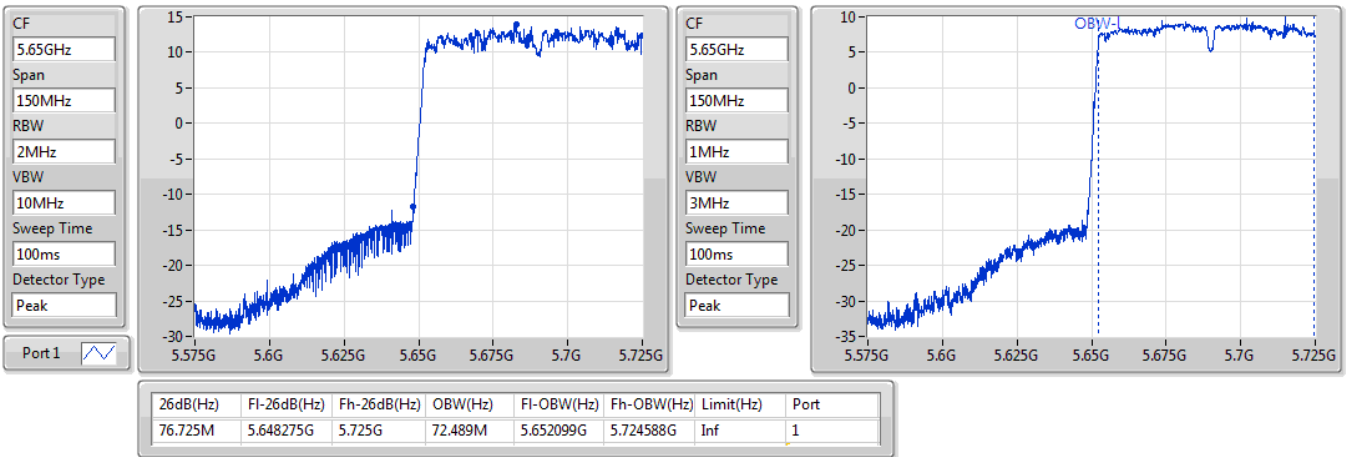


802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

29/11/2019

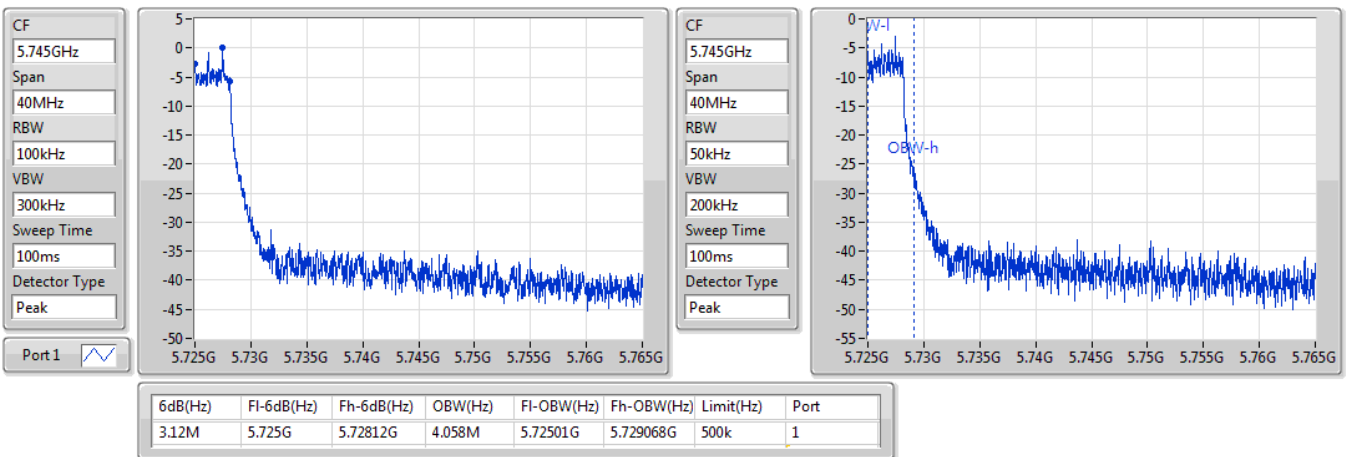


802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

29/11/2019



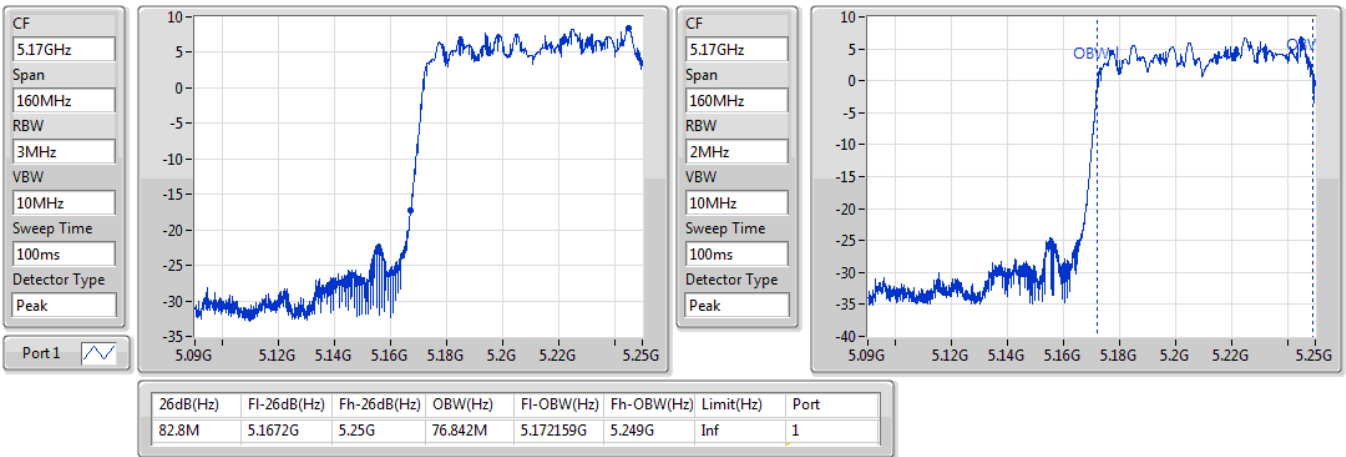


802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

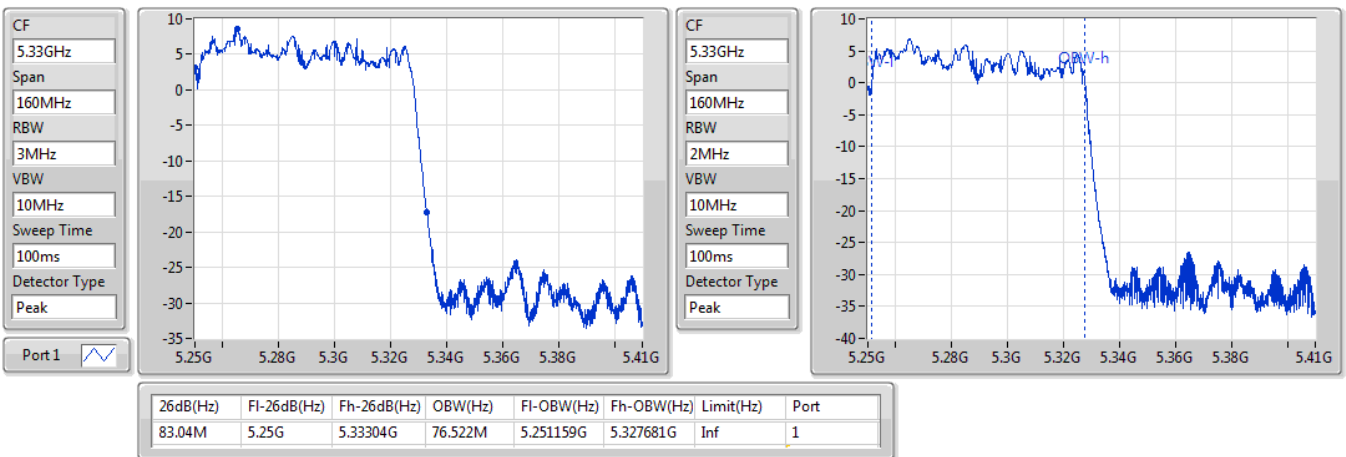


802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/12/2019



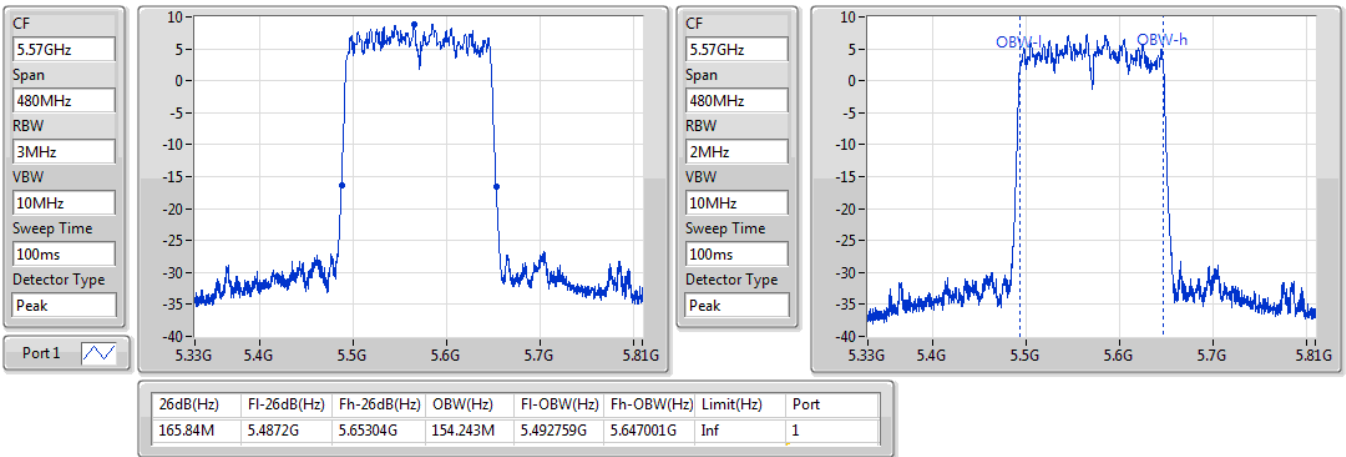


802.11ac VHT160\_Nss1,(MCS0)\_1TX

EBW

5570MHz

29/11/2019

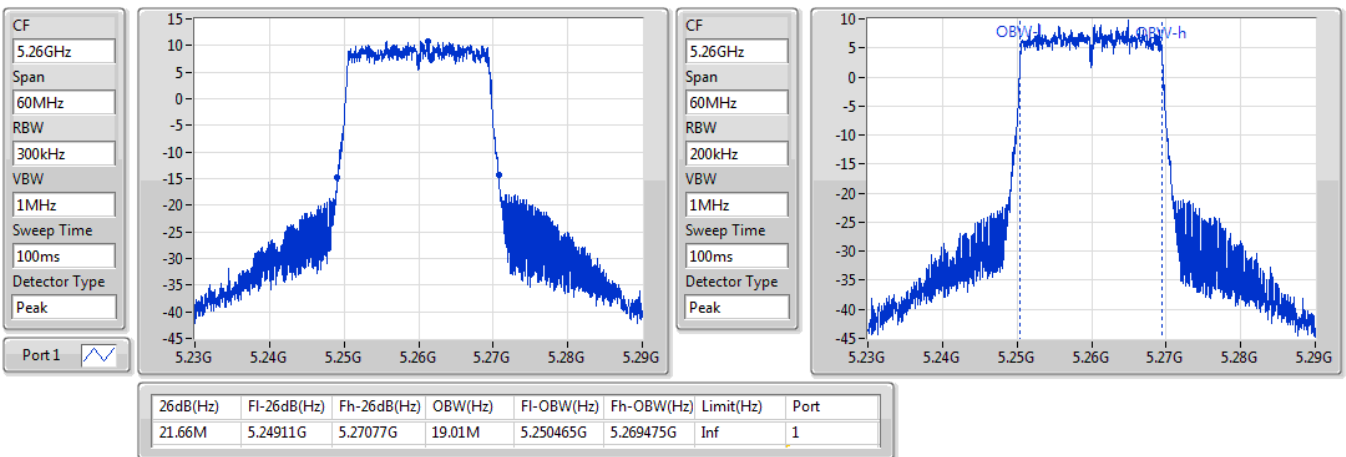


802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5260MHz

29/11/2019

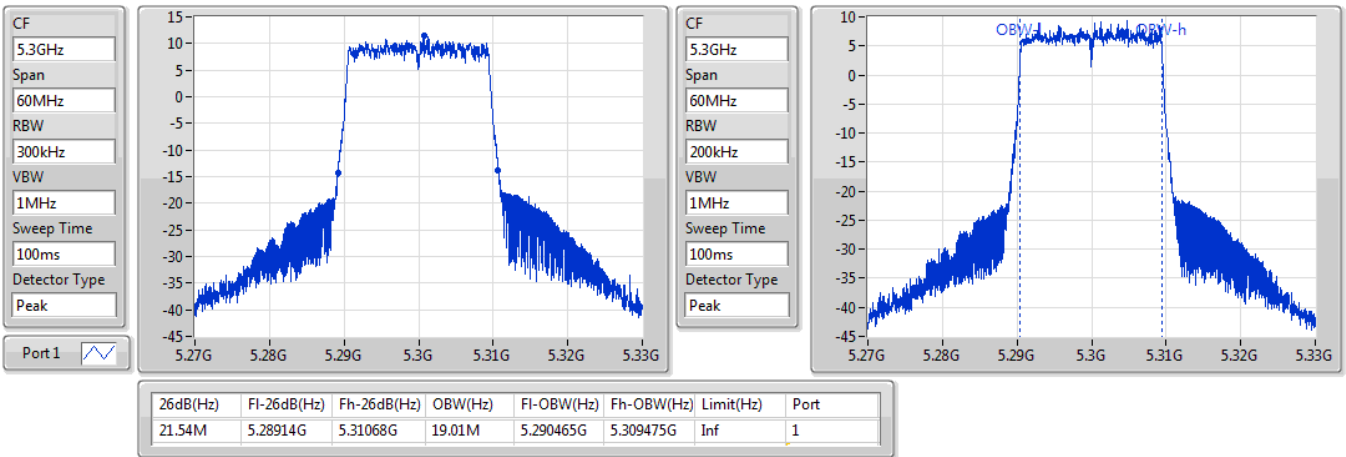


802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5300MHz

29/11/2019

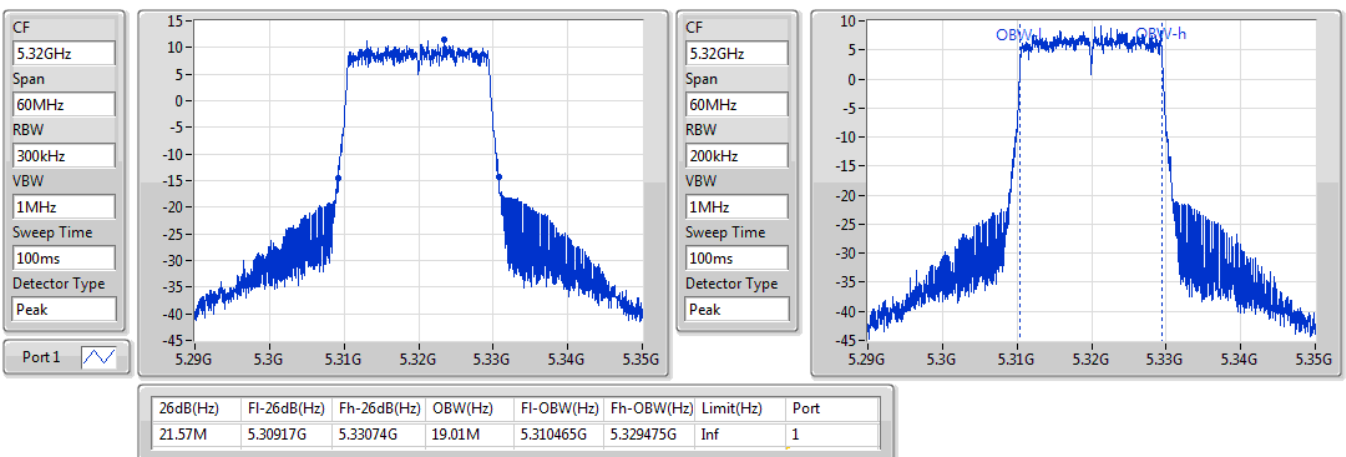


802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5320MHz

29/11/2019

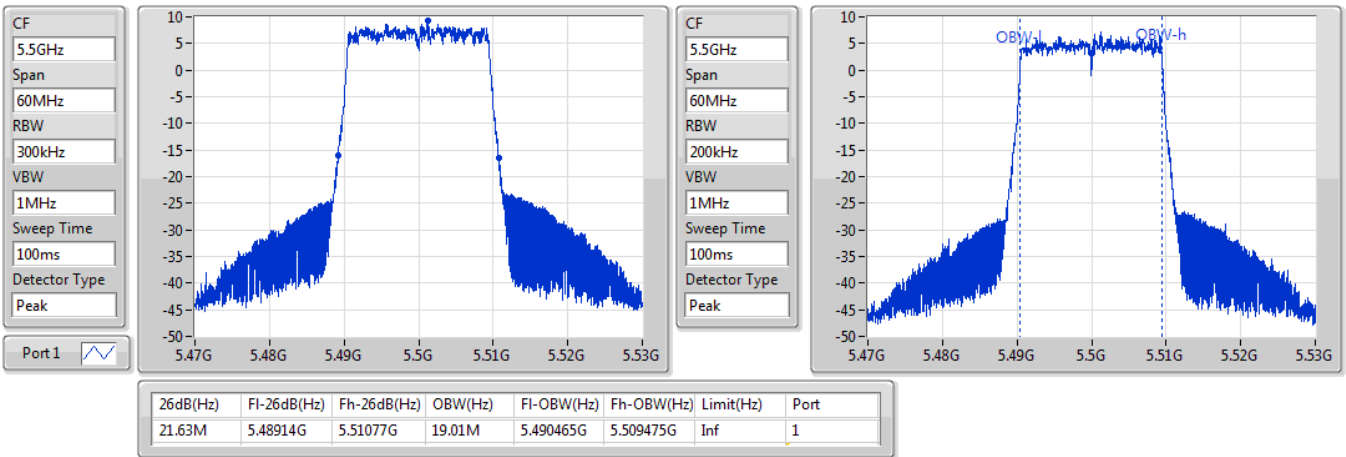


802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5500MHz

29/11/2019

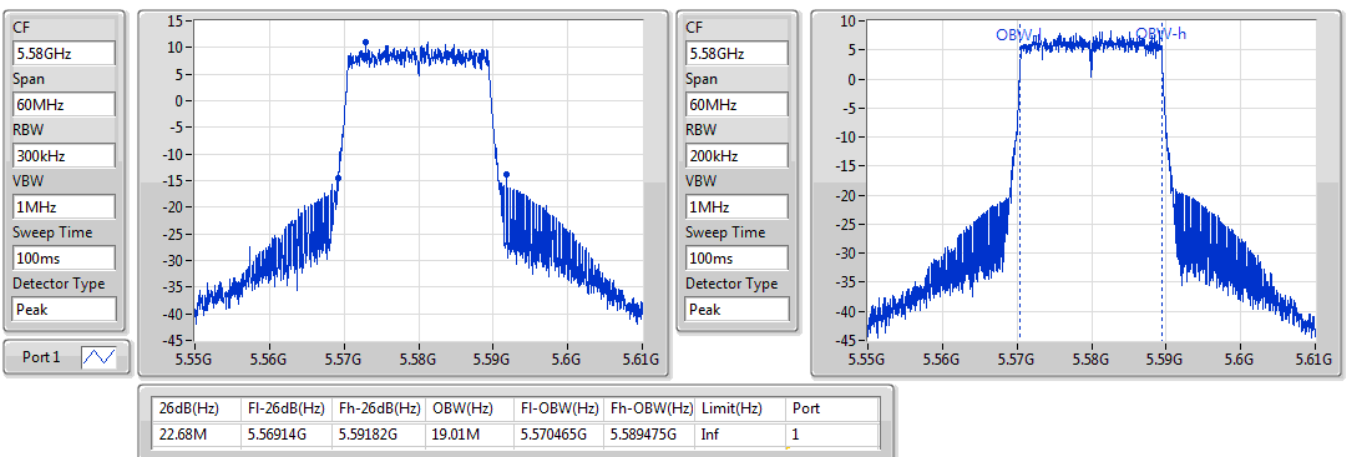


802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5580MHz

29/11/2019



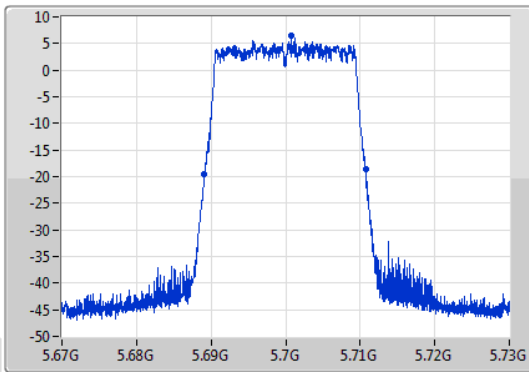
802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

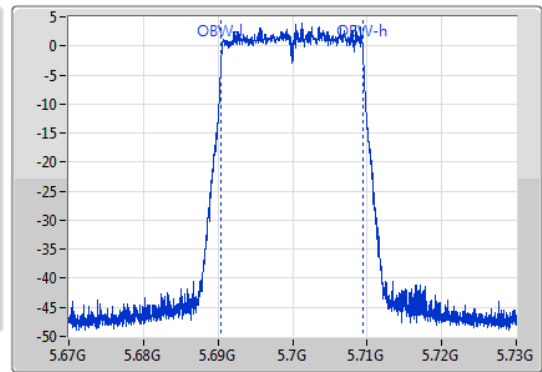
5700MHz

29/11/2019

CF: 5.7GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.7GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.68911G	5.71071G	19.01M	5.690465G	5.709475G	Inf	1

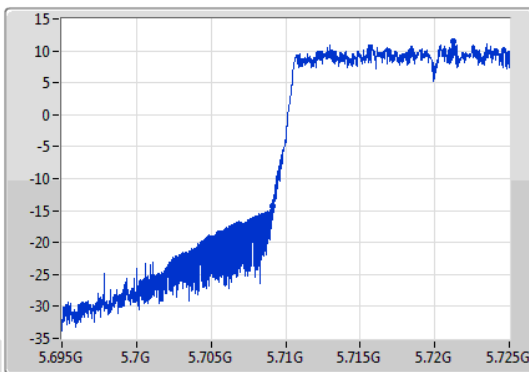
802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

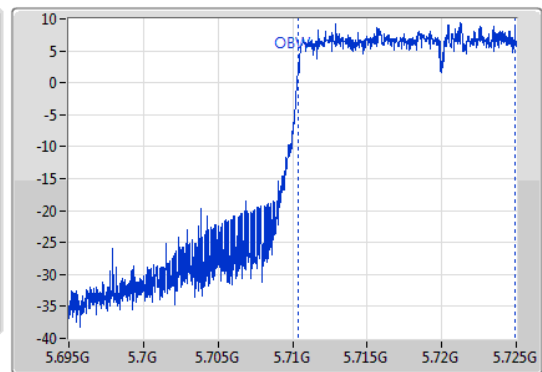
5720MHz Straddle 5.47-5.725GHz

29/11/2019

CF: 5.71GHz  
 Span: 30MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



CF: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



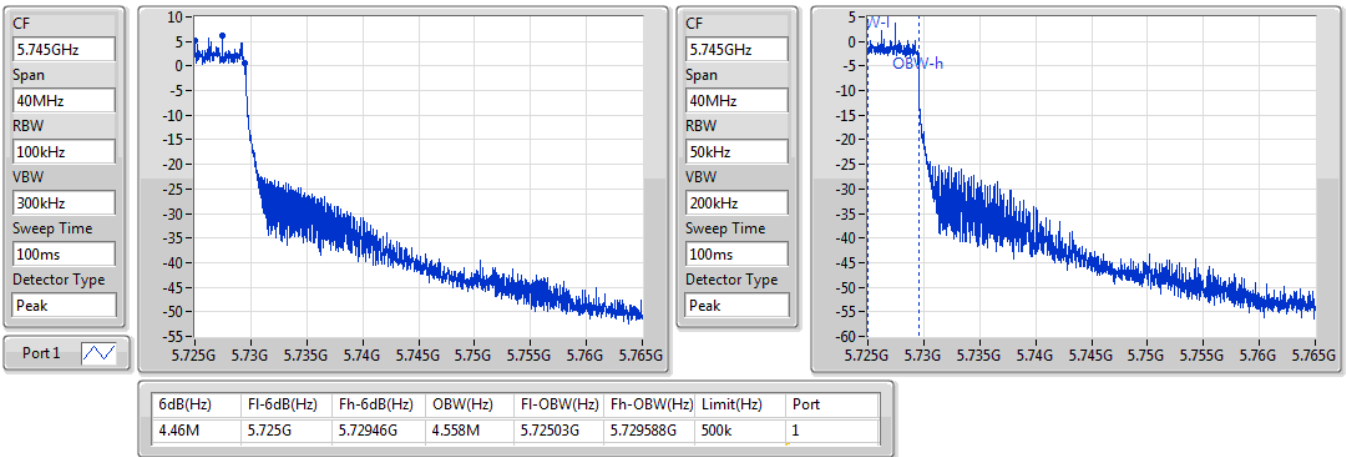
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	5.7091G	5.725G	14.528M	5.71039G	5.724918G	Inf	1

802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

29/11/2019

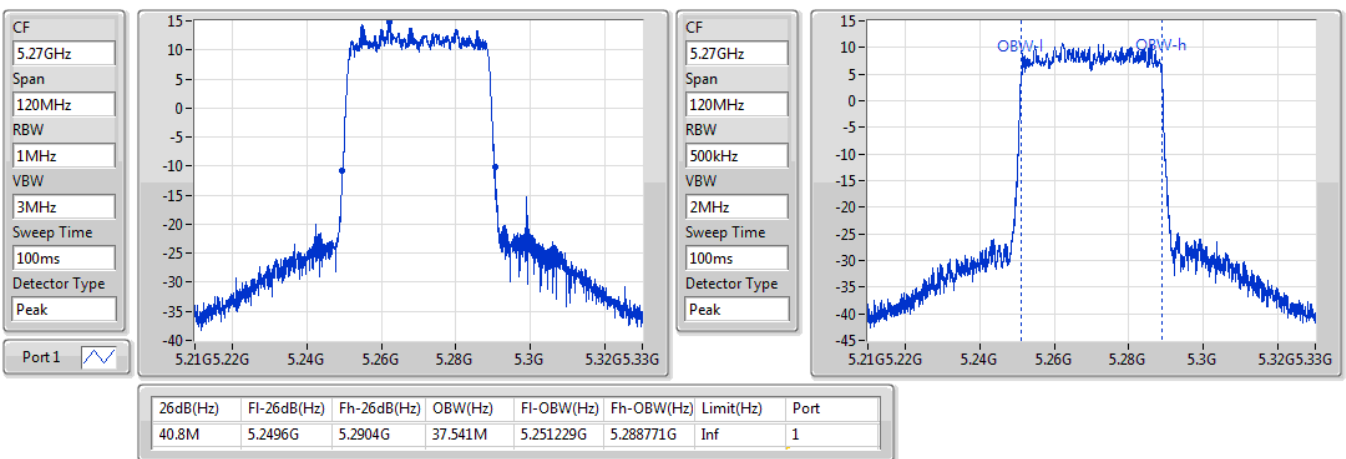


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5270MHz

29/11/2019

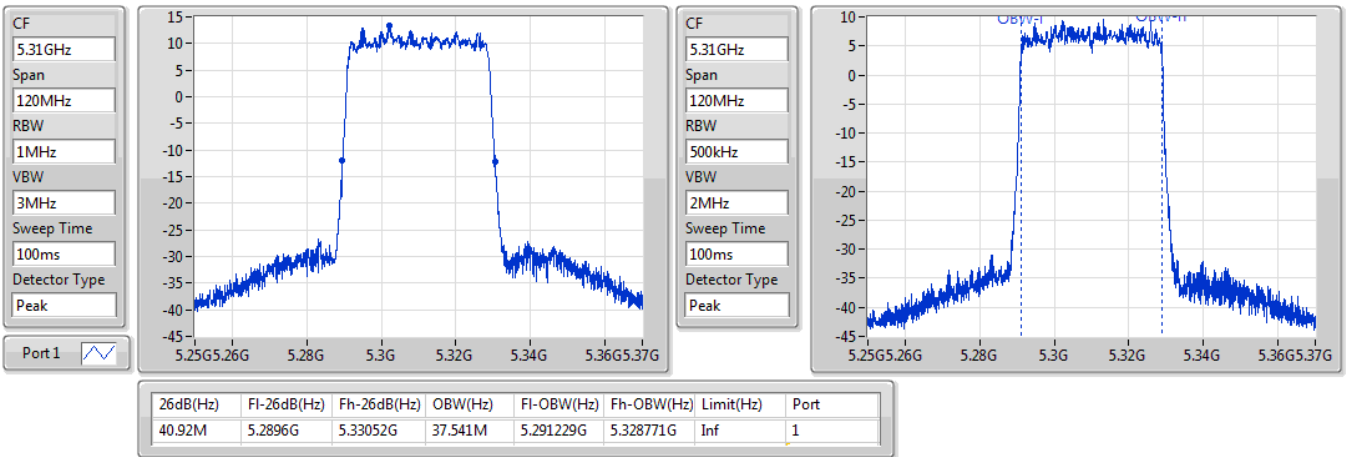


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5310MHz

29/11/2019

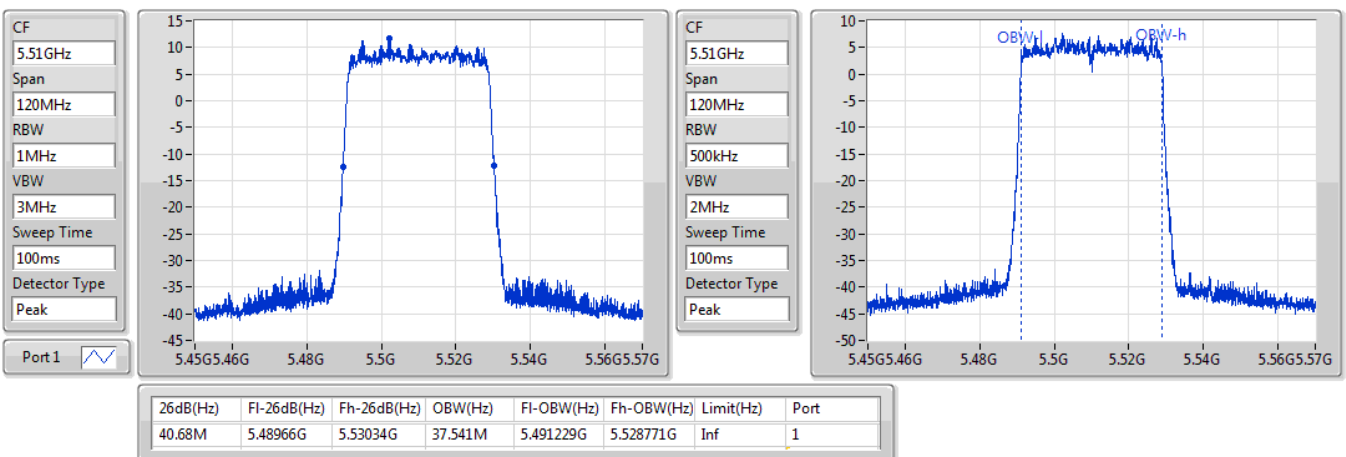


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5510MHz

29/11/2019

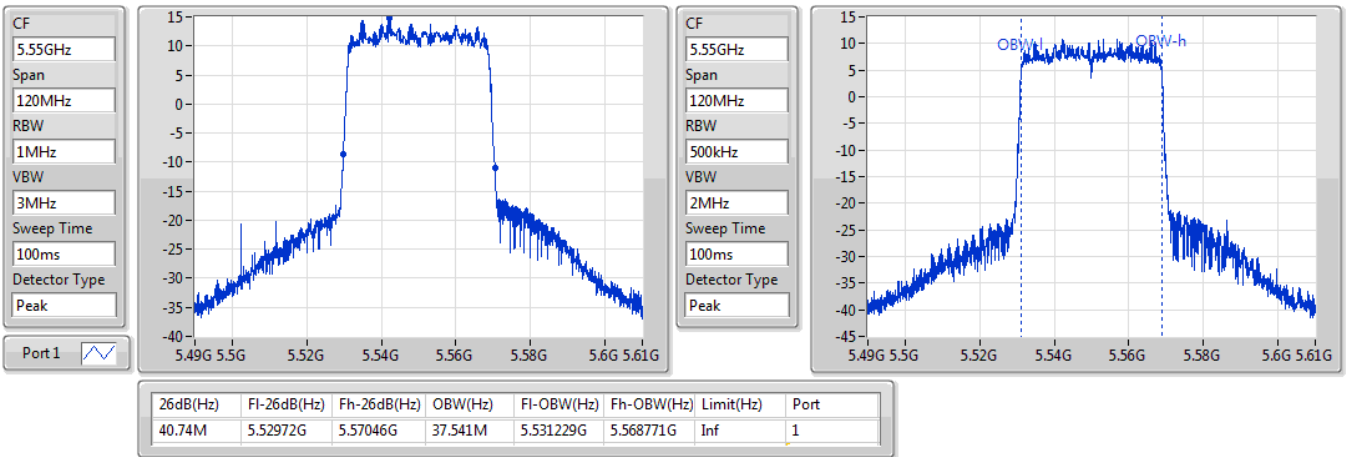


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5550MHz

29/11/2019

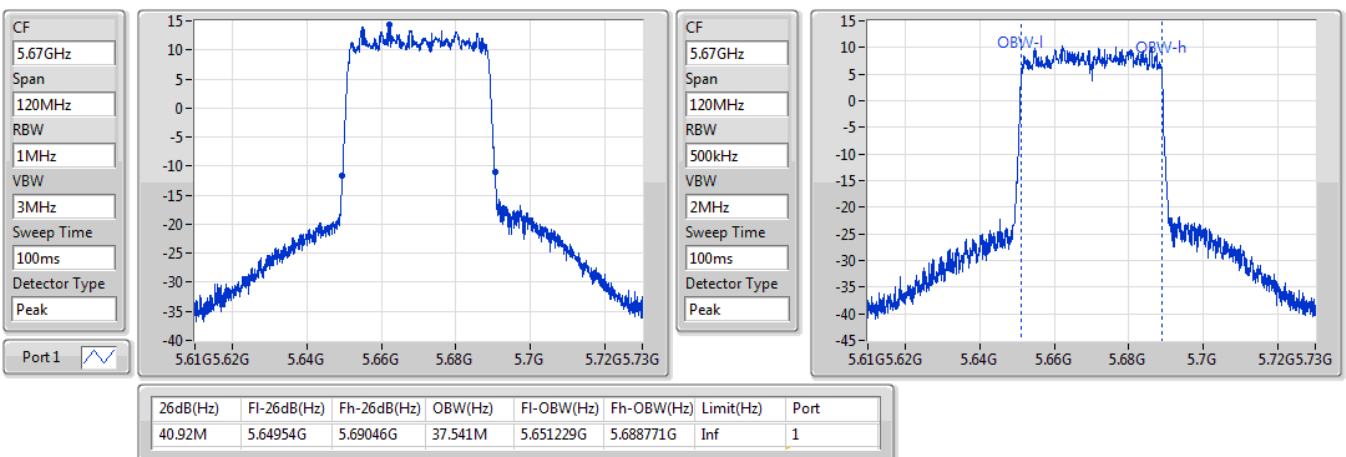


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5670MHz

29/11/2019

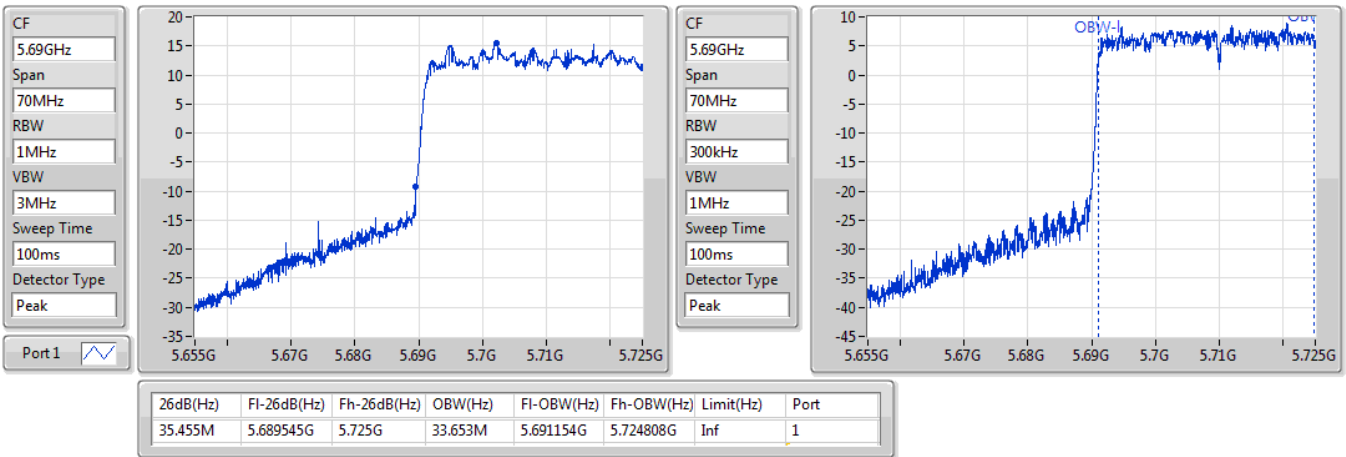


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

29/11/2019

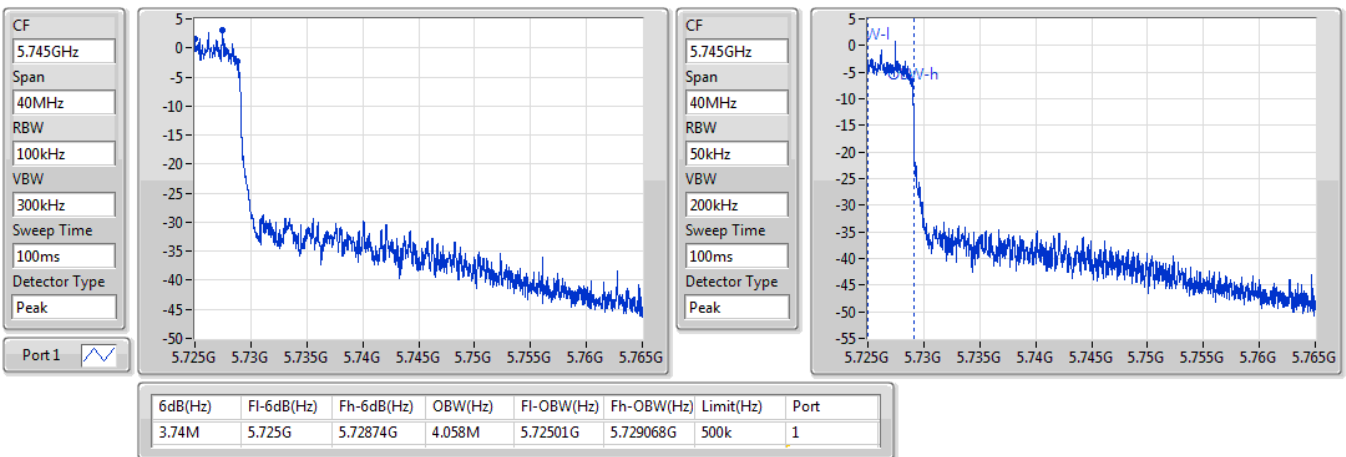


802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

29/11/2019



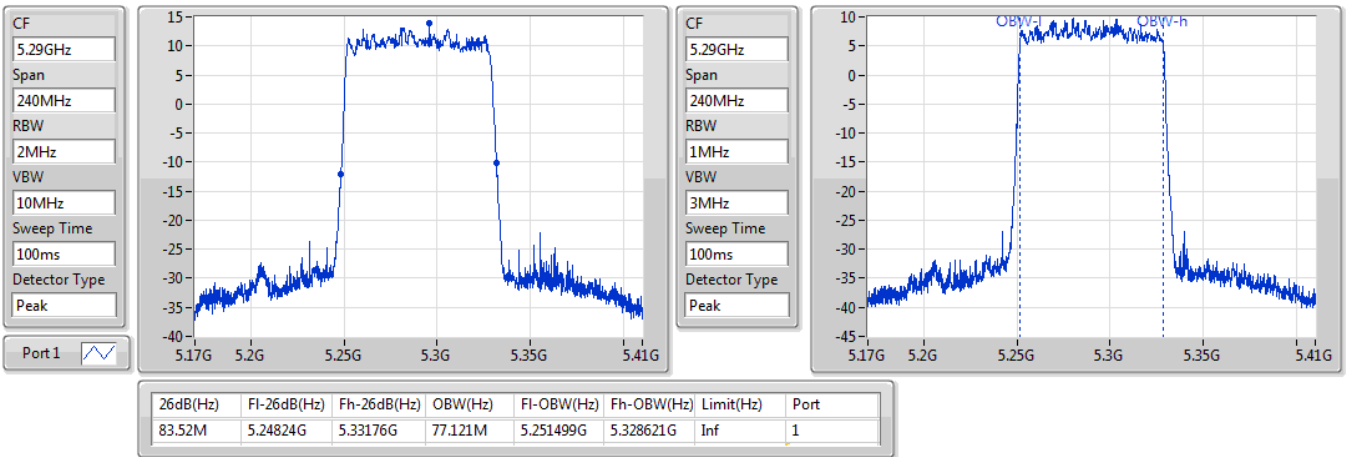


802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5290MHz

29/11/2019

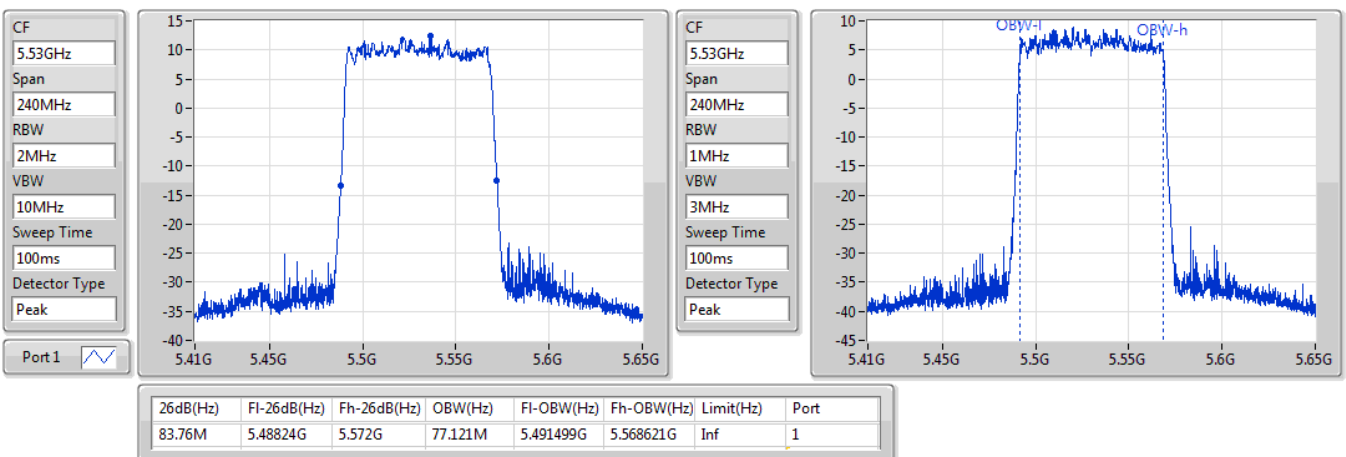


802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5530MHz

29/11/2019

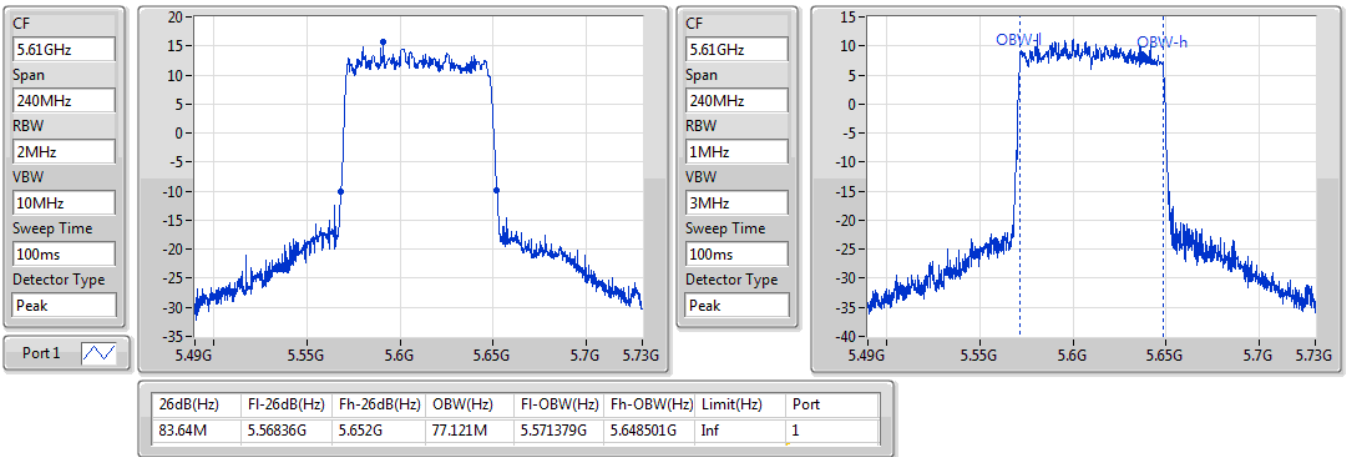


802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5610MHz

29/11/2019

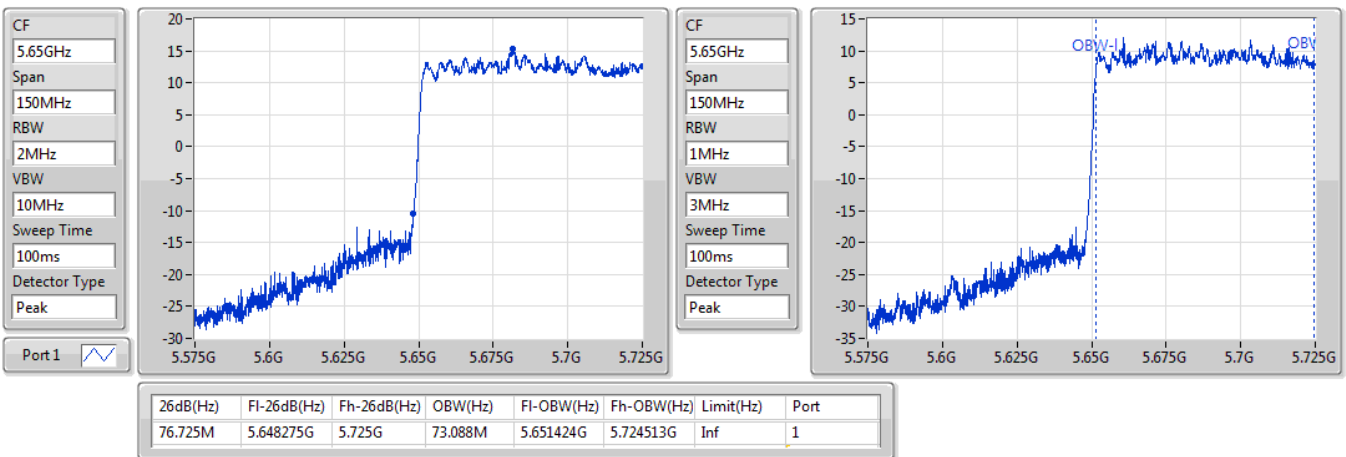


802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

29/11/2019

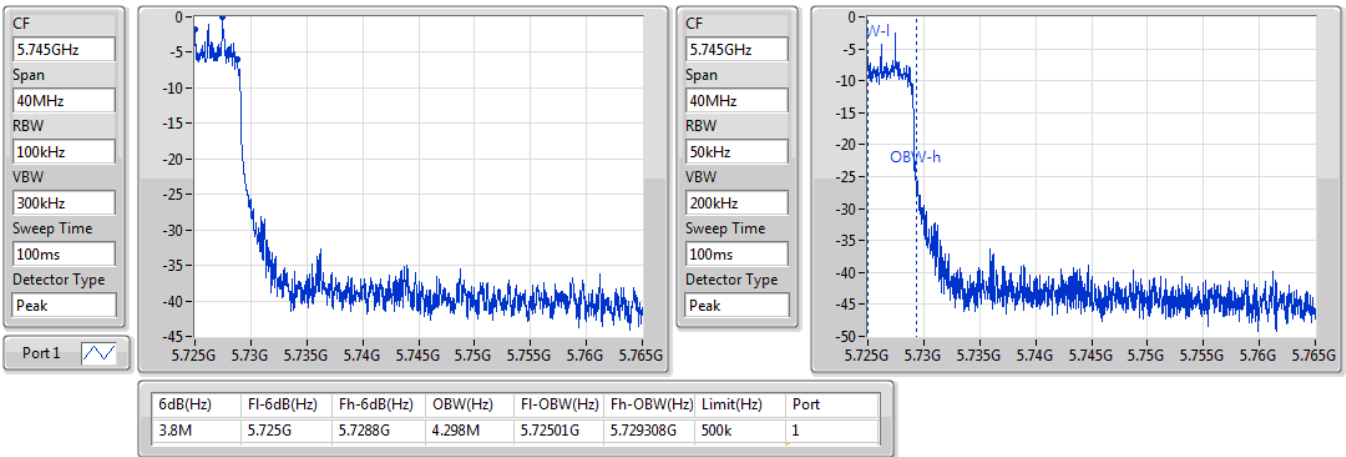


802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

29/11/2019

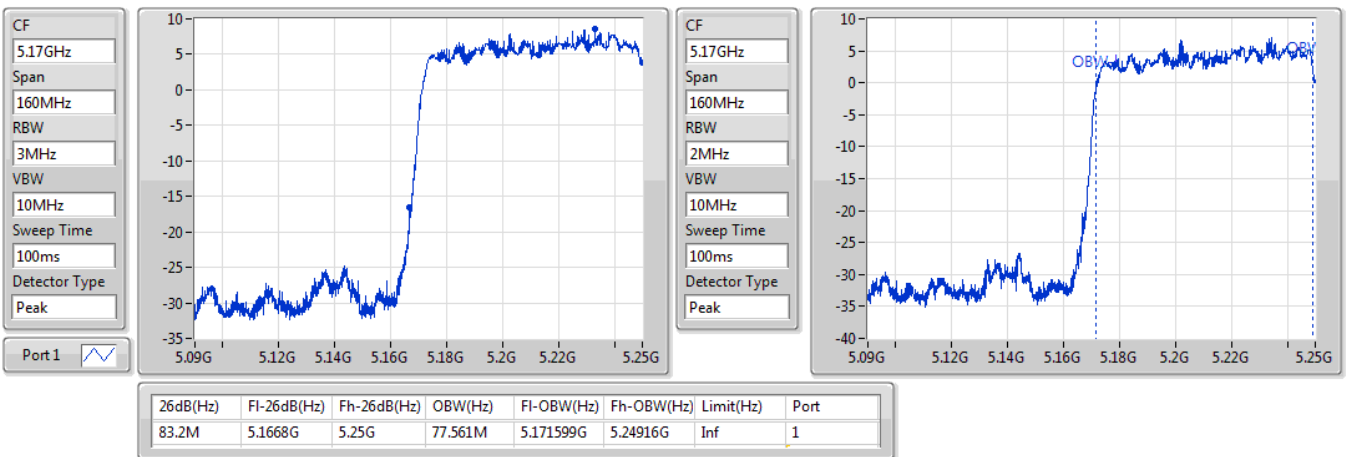


802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

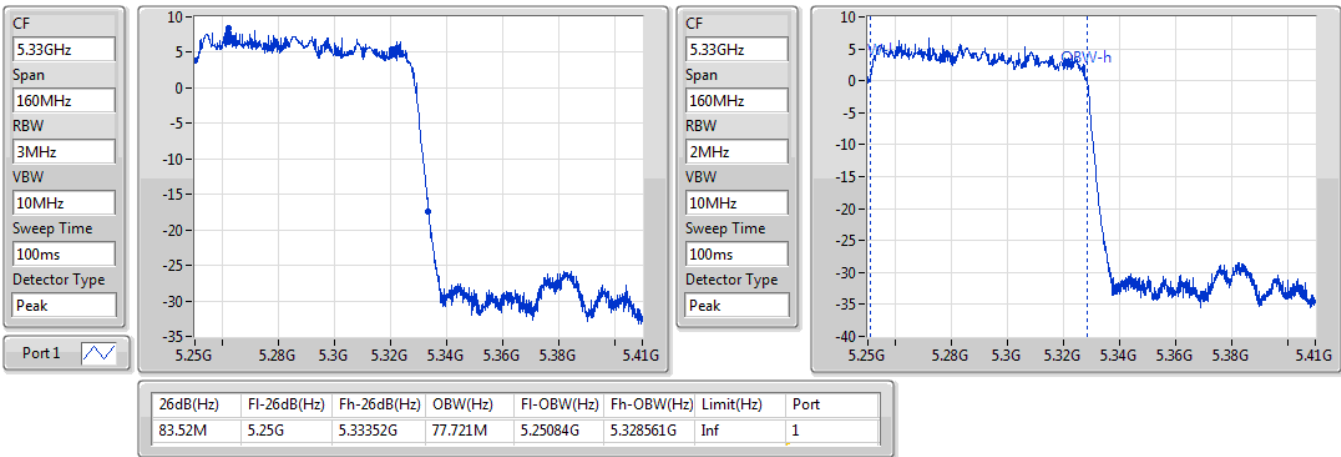


802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

29/11/2019

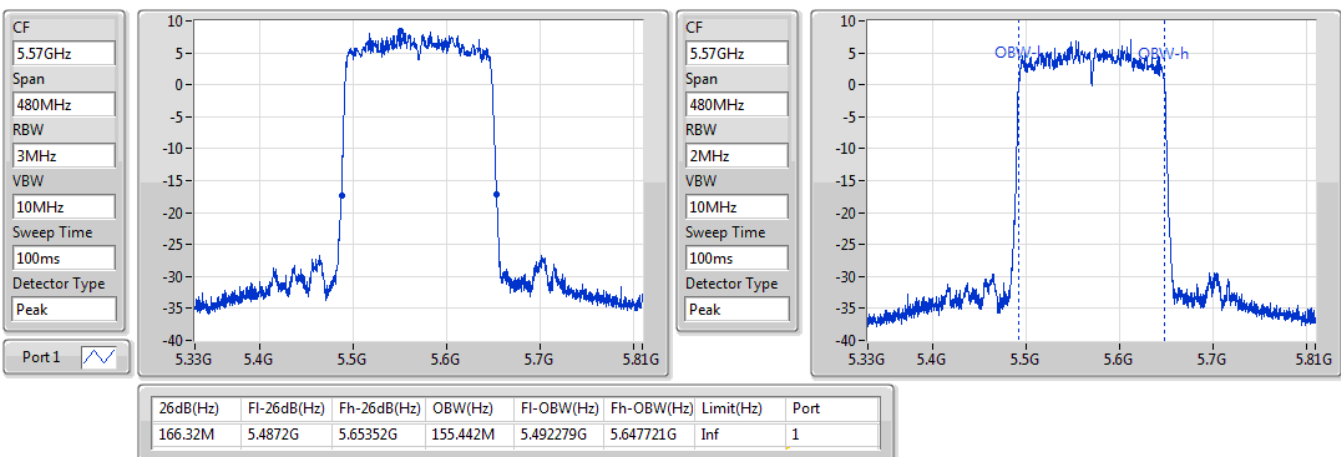


802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

5570MHz

29/11/2019





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss2,(MCS0)_2TX	83.04M	76.602M	76M6D1D	82.88M	76.522M
802.11ax HEW160_Nss2,(MCS0)_2TX	82.96M	77.961M	78M0D1D	82.88M	77.481M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.66M	16.792M	16M8D1D	21.39M	16.702M
802.11ac VHT20_Nss2,(MCS0)_2TX	21.9M	17.871M	17M9D1D	21.54M	17.781M
802.11ac VHT40_Nss2,(MCS0)_2TX	40.86M	36.342M	36M3D1D	40.86M	36.282M
802.11ac VHT80_Nss2,(MCS0)_2TX	83.04M	75.802M	75M8D1D	82.92M	75.802M
802.11ac VHT160_Nss2,(MCS0)_2TX	83.84M	76.602M	76M6D1D	83.68M	76.522M
802.11ax HEW20_Nss2,(MCS0)_2TX	21.93M	19.01M	19M0D1D	21.33M	19.01M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.86M	37.601M	37M6D1D	40.56M	37.481M
802.11ax HEW80_Nss2,(MCS0)_2TX	83.76M	77.001M	77M0D1D	82.8M	77.001M
802.11ax HEW160_Nss2,(MCS0)_2TX	84.16M	77.721M	77M7D1D	83.92M	77.321M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.72M	16.822M	16M8D1D	15.675M	13.358M
802.11ac VHT20_Nss2,(MCS0)_2TX	21.99M	17.901M	17M9D1D	15.9M	13.973M
802.11ac VHT40_Nss2,(MCS0)_2TX	41.1M	36.342M	36M3D1D	35.49M	32.919M
802.11ac VHT80_Nss2,(MCS0)_2TX	83.16M	75.802M	75M8D1D	76.425M	72.489M
802.11ac VHT160_Nss2,(MCS0)_2TX	166.32M	154.243M	154MD1D	165.84M	153.763M
802.11ax HEW20_Nss2,(MCS0)_2TX	21.84M	19.04M	19M0D1D	15.735M	14.498M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.86M	37.661M	37M7D1D	35.42M	33.618M
802.11ax HEW80_Nss2,(MCS0)_2TX	83.76M	77.001M	77M0D1D	76.125M	73.013M
802.11ax HEW160_Nss2,(MCS0)_2TX	166.56M	155.442M	155MD1D	166.08M	154.963M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.18M	4.038M	4M04D1D	3.18M	3.978M
802.11ac VHT20_Nss2,(MCS0)_2TX	3.74M	4.338M	4M34D1D	3.74M	4.238M
802.11ac VHT40_Nss2,(MCS0)_2TX	3.14M	3.578M	3M58D1D	3.12M	3.498M
802.11ac VHT80_Nss2,(MCS0)_2TX	3.12M	3.578M	3M58D1D	3.12M	3.498M
802.11ax HEW20_Nss2,(MCS0)_2TX	4.44M	4.578M	4M58D1D	4.42M	4.538M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.76M	4.018M	4M02D1D	3.72M	4.018M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.78M	4.078M	4M08D1D	3.74M	4.038M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.54M	16.732M	21.66M	16.792M
5300MHz	Pass	Inf	21.45M	16.702M	21.54M	16.792M
5320MHz	Pass	Inf	21.39M	16.732M	21.6M	16.792M
5500MHz	Pass	Inf	21.48M	16.732M	21.69M	16.822M
5580MHz	Pass	Inf	21.51M	16.762M	21.72M	16.792M
5700MHz	Pass	Inf	21.48M	16.732M	21.51M	16.792M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.358M	15.81M	13.418M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.978M	3.18M	4.038M
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.87M	17.871M	21.63M	17.781M
5300MHz	Pass	Inf	21.9M	17.871M	21.54M	17.781M
5320MHz	Pass	Inf	21.9M	17.841M	21.57M	17.781M
5500MHz	Pass	Inf	21.93M	17.871M	21.57M	17.781M
5580MHz	Pass	Inf	21.96M	17.901M	21.6M	17.781M
5700MHz	Pass	Inf	21.99M	17.871M	21.48M	17.811M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.018M	15.9M	13.973M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.238M	3.74M	4.338M
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.86M	36.342M	40.86M	36.282M
5310MHz	Pass	Inf	40.86M	36.342M	40.86M	36.342M
5510MHz	Pass	Inf	40.8M	36.342M	41.1M	36.282M
5550MHz	Pass	Inf	40.86M	36.342M	40.92M	36.342M
5670MHz	Pass	Inf	40.74M	36.342M	40.74M	36.282M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.49M	32.919M	35.7M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.498M	3.14M	3.578M
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.92M	75.802M	83.04M	75.802M
5530MHz	Pass	Inf	82.92M	75.802M	82.92M	75.682M
5610MHz	Pass	Inf	83.04M	75.802M	83.16M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.425M	72.489M	76.875M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.578M	3.12M	3.498M
802.11ac VHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.04M	76.602M	82.88M	76.522M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.84M	76.602M	83.68M	76.522M
5570MHz	Pass	Inf	166.32M	154.243M	165.84M	153.763M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.93M	19.01M	21.48M	19.01M
5300MHz	Pass	Inf	21.81M	19.01M	21.33M	19.01M
5320MHz	Pass	Inf	21.84M	19.01M	21.45M	19.01M
5500MHz	Pass	Inf	21.81M	19.04M	21.51M	19.04M
5580MHz	Pass	Inf	21.78M	19.01M	21.45M	19.01M
5700MHz	Pass	Inf	21.84M	19.04M	21.45M	19.01M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.065M	14.543M	15.735M	14.498M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.42M	4.538M	4.44M	4.578M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.68M	37.601M	40.62M	37.481M
5310MHz	Pass	Inf	40.86M	37.601M	40.56M	37.481M
5510MHz	Pass	Inf	40.86M	37.661M	40.44M	37.541M
5550MHz	Pass	Inf	40.86M	37.541M	40.68M	37.481M
5670MHz	Pass	Inf	40.74M	37.601M	40.5M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.42M	33.688M	35.49M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.018M	3.76M	4.018M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.8M	77.001M	83.76M	77.001M
5530MHz	Pass	Inf	82.8M	77.001M	83.64M	77.001M
5610MHz	Pass	Inf	82.92M	77.001M	83.76M	77.001M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.125M	73.013M	76.95M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.078M	3.74M	4.038M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.88M	77.961M	82.96M	77.481M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.92M	77.321M	84.16M	77.721M
5570MHz	Pass	Inf	166.56M	155.442M	166.08M	154.963M

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

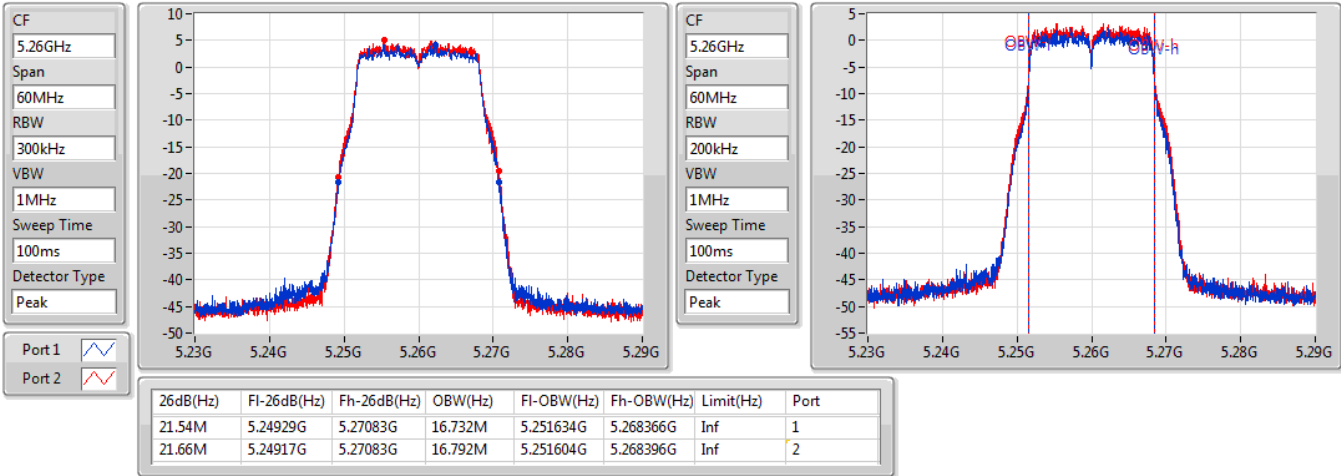
Port X-OBW = Port X 99% occupied bandwidth;

802.11a\_Nss1,(6Mbps)\_2TX

EBW

5260MHz

29/11/2019

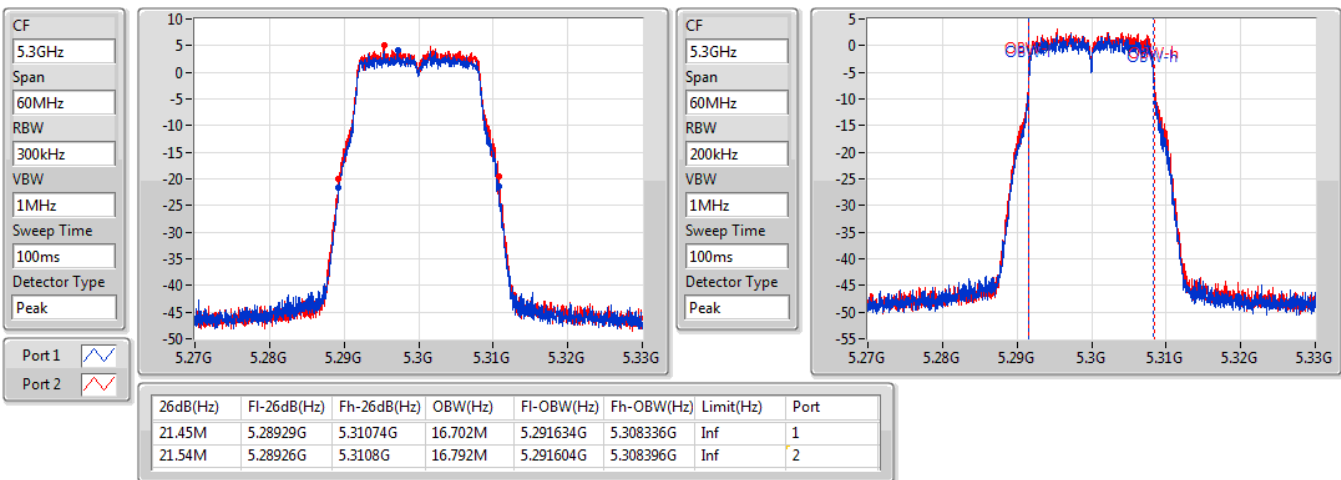


802.11a\_Nss1,(6Mbps)\_2TX

EBW

5300MHz

29/11/2019





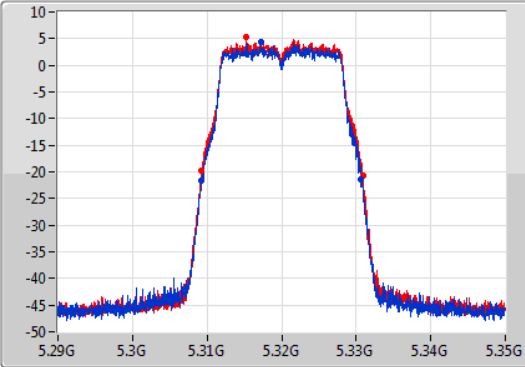
802.11a\_Nss1,(6Mbps)\_2TX

EBW

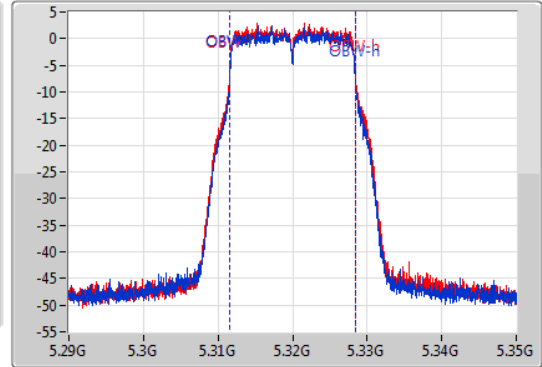
5320MHz

29/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.30929G	5.33068G	16.732M	5.311634G	5.328366G	Inf	1
21.6M	5.30929G	5.33089G	16.792M	5.311604G	5.328396G	Inf	2

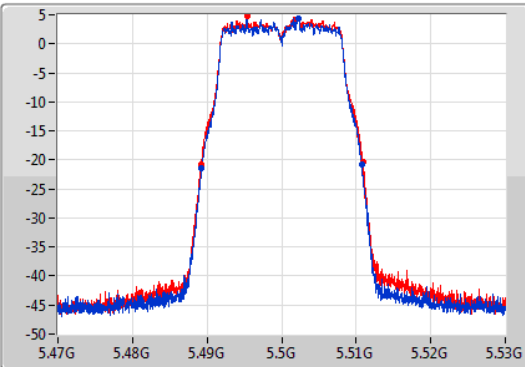
802.11a\_Nss1,(6Mbps)\_2TX

EBW

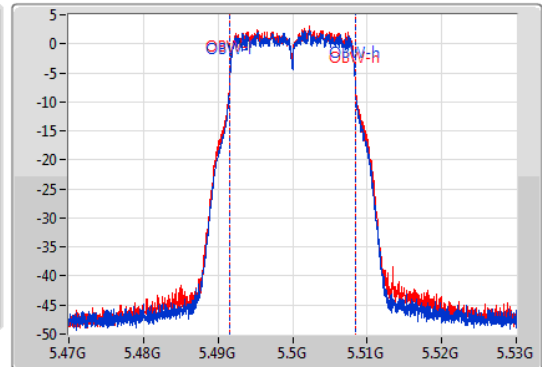
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.48926G	5.51074G	16.732M	5.491634G	5.508366G	Inf	1
21.69M	5.4892G	5.51089G	16.822M	5.491604G	5.508426G	Inf	2

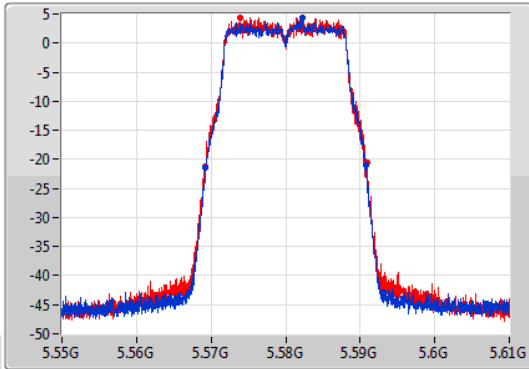
802.11a\_Nss1,(6Mbps)\_2TX

EBW

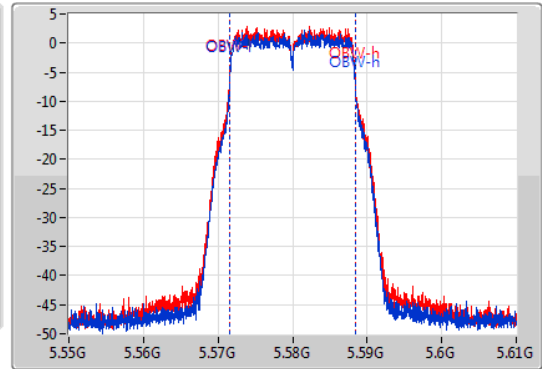
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.56926G	5.59077G	16.762M	5.571634G	5.588396G	Inf	1
21.72M	5.56917G	5.59089G	16.792M	5.571604G	5.588396G	Inf	2

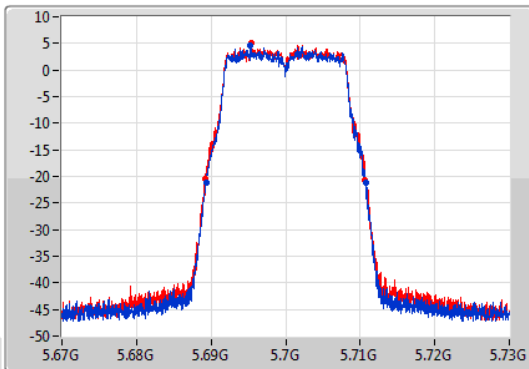
802.11a\_Nss1,(6Mbps)\_2TX

EBW

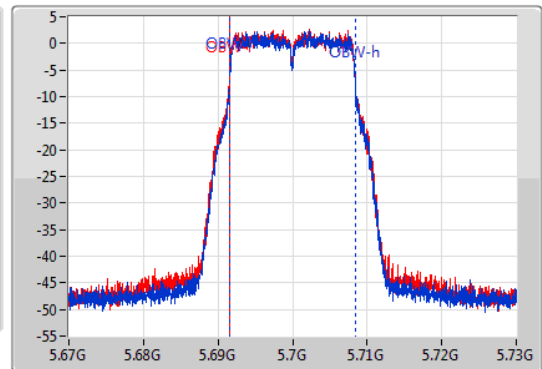
5700MHz

30/11/2019

CF  
5.7GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.68932G	5.7108G	16.732M	5.691634G	5.708366G	Inf	1
21.51M	5.68917G	5.71068G	16.792M	5.691574G	5.708366G	Inf	2

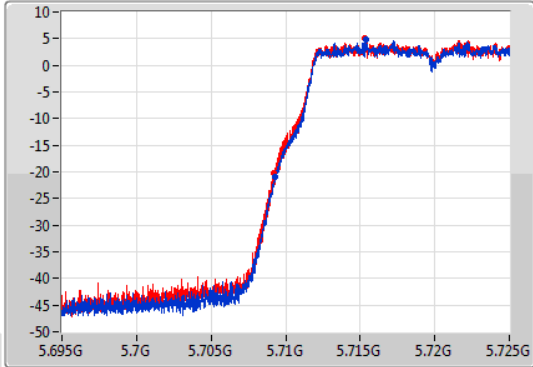
802.11a\_Nss1,(6Mbps)\_2TX

EBW

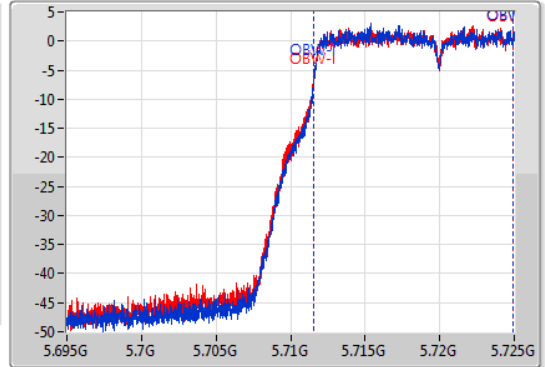
5720MHz Straddle 5.47-5.725GHz

30/11/2019

CF: 5.71GHz  
 Span: 30MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1:   
 Port 2:



CF: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.675M	5.709325G	5.725G	13.358M	5.711574G	5.724933G	Inf	1
15.81M	5.70919G	5.725G	13.418M	5.711514G	5.724933G	Inf	2

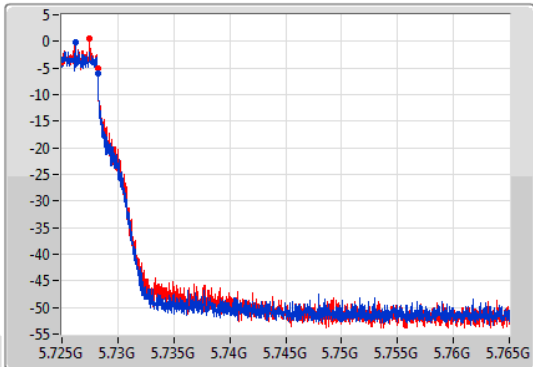
802.11a\_Nss1,(6Mbps)\_2TX

EBW

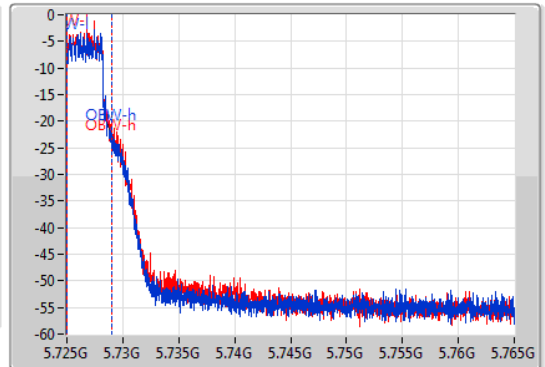
5720MHz Straddle 5.725-5.85GHz

30/11/2019

CF: 5.745GHz  
 Span: 40MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1:   
 Port 2:



CF: 5.745GHz  
 Span: 40MHz  
 RBW: 50kHz  
 VBW: 200kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.18M	5.725G	5.72818G	3.978M	5.72501G	5.728988G	500k	1
3.18M	5.725G	5.72818G	4.038M	5.72501G	5.729048G	500k	2

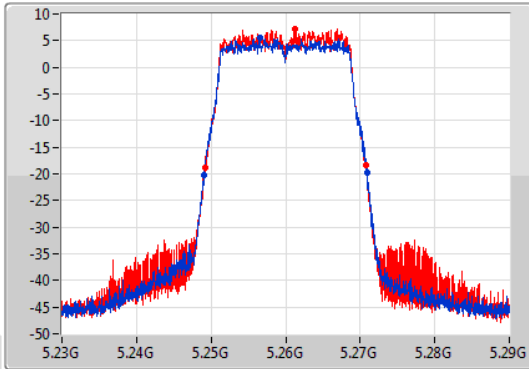
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

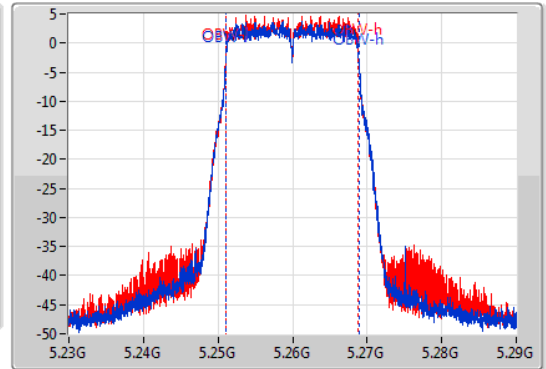
5260MHz

30/11/2019

CF  
5.26GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.26GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.87M	5.24905G	5.27092G	17.871M	5.251034G	5.268906G	Inf	1
21.63M	5.24914G	5.27077G	17.781M	5.251064G	5.268846G	Inf	2

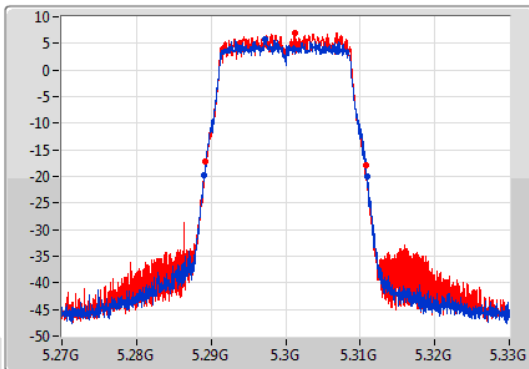
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

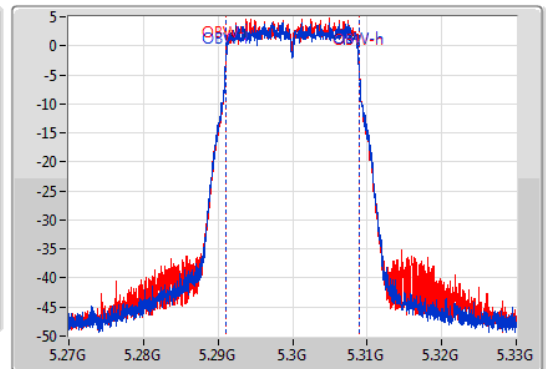
5300MHz

30/11/2019

CF  
5.3GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.28908G	5.31098G	17.871M	5.291004G	5.308876G	Inf	1
21.54M	5.2892G	5.31074G	17.781M	5.291094G	5.308876G	Inf	2

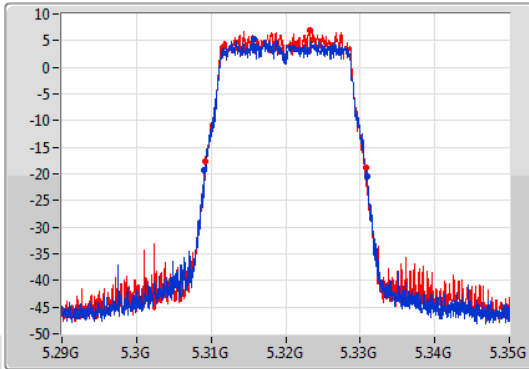
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

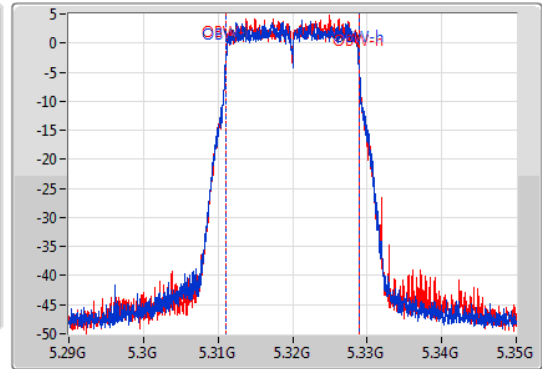
5320MHz

30/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.30908G	5.33098G	17.841M	5.311034G	5.328876G	Inf	1
21.57M	5.30926G	5.33083G	17.781M	5.311094G	5.328876G	Inf	2

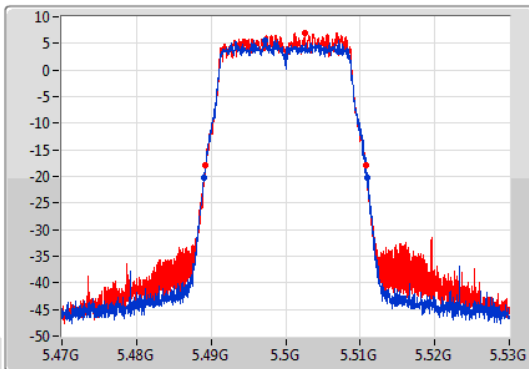
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

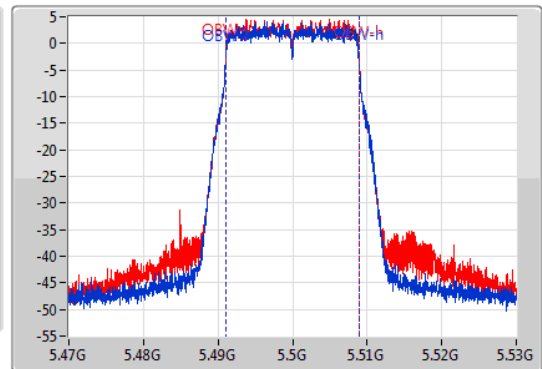
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	5.48905G	5.51098G	17.871M	5.491004G	5.508876G	Inf	1
21.57M	5.4892G	5.51077G	17.781M	5.491094G	5.508876G	Inf	2

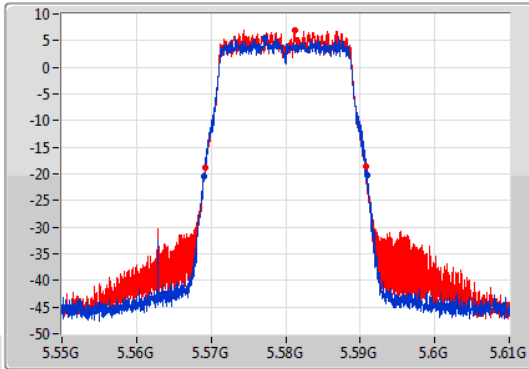
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

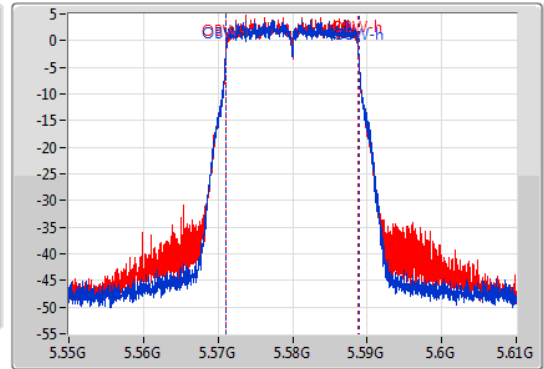
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.96M	5.56902G	5.59098G	17.901M	5.571004G	5.588906G	Inf	1
21.6M	5.5692G	5.5908G	17.781M	5.571064G	5.588846G	Inf	2

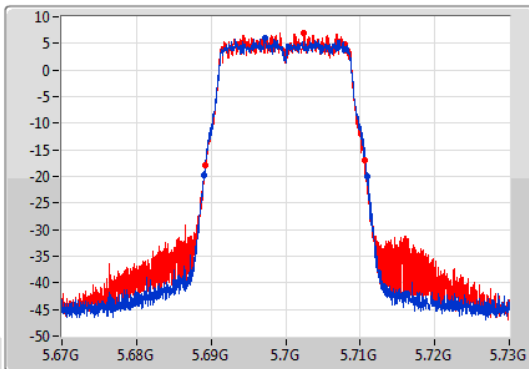
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

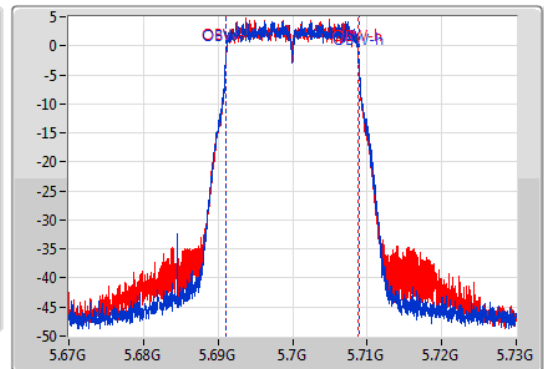
5700MHz

30/11/2019

CF  
5.7GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	5.68899G	5.71098G	17.871M	5.691034G	5.708906G	Inf	1
21.48M	5.68917G	5.71065G	17.811M	5.691034G	5.708846G	Inf	2

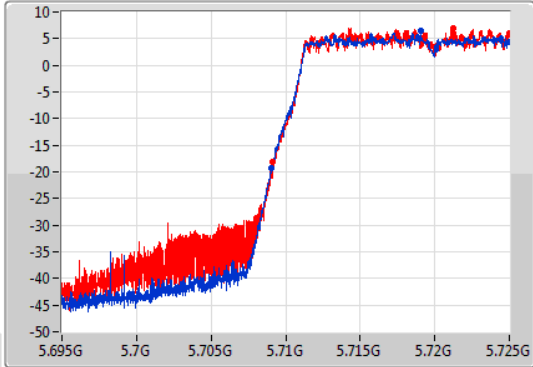
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

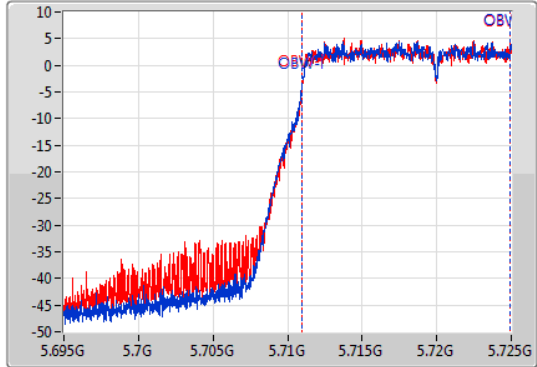
5720MHz Straddle 5.47-5.725GHz

30/11/2019

CF  
5.71GHz  
Span  
30MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.71GHz  
Span  
30MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.945M	5.709055G	5.725G	14.018M	5.71093G	5.724948G	Inf	1
15.9M	5.7091G	5.725G	13.973M	5.710975G	5.724948G	Inf	2

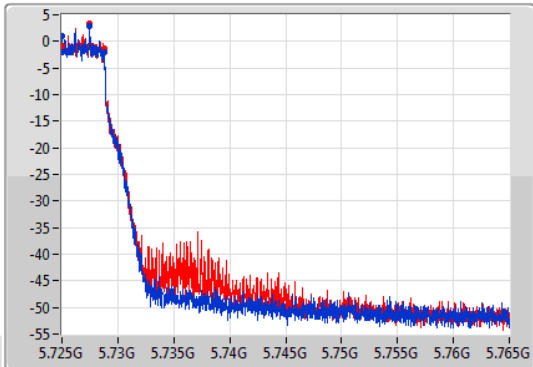
802.11ac VHT20\_Nss2,(MCS0)\_2TX

EBW

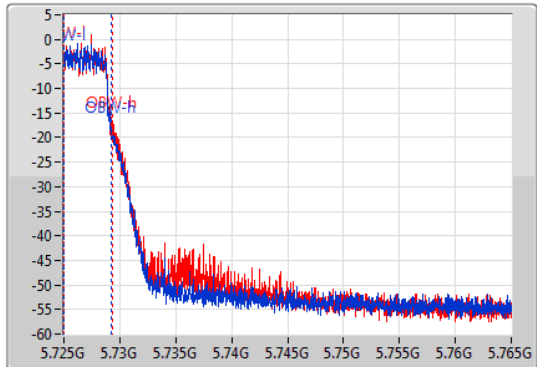
5720MHz Straddle 5.725-5.85GHz

30/11/2019

CF  
5.745GHz  
Span  
40MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.745GHz  
Span  
40MHz  
RBW  
50kHz  
VBW  
200kHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.74M	5.725G	5.72874G	4.238M	5.72503G	5.729268G	500k	1
3.74M	5.725G	5.72874G	4.338M	5.72501G	5.729348G	500k	2

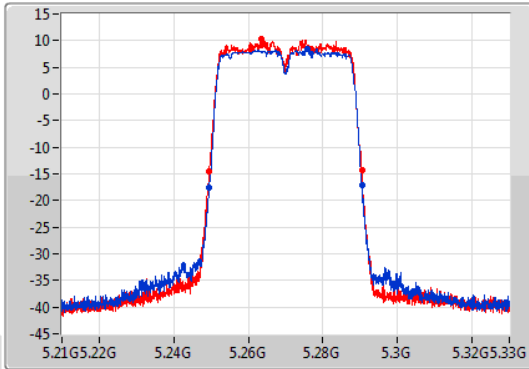
802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

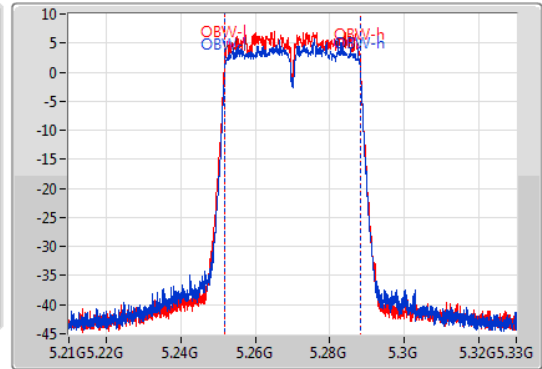
5270MHz

30/11/2019

CF  
5.27GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.27GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.24954G	5.2904G	36.342M	5.251829G	5.288171G	Inf	1
40.86M	5.24954G	5.2904G	36.282M	5.251829G	5.288111G	Inf	2

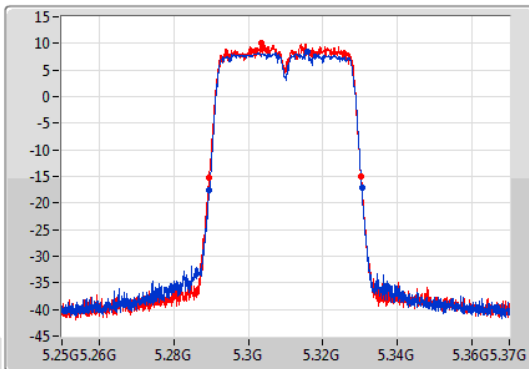
802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

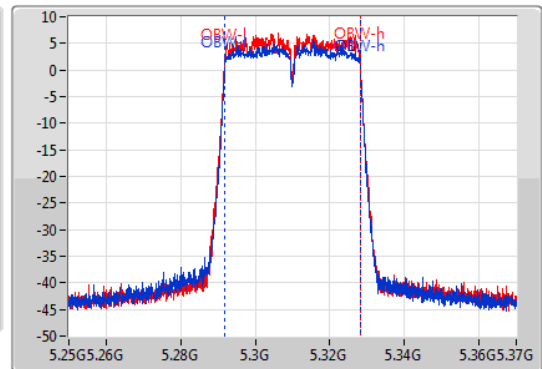
5310MHz

30/11/2019

CF  
5.31GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.31GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.28954G	5.3304G	36.342M	5.291829G	5.328171G	Inf	1
40.86M	5.28948G	5.33034G	36.342M	5.291769G	5.328111G	Inf	2



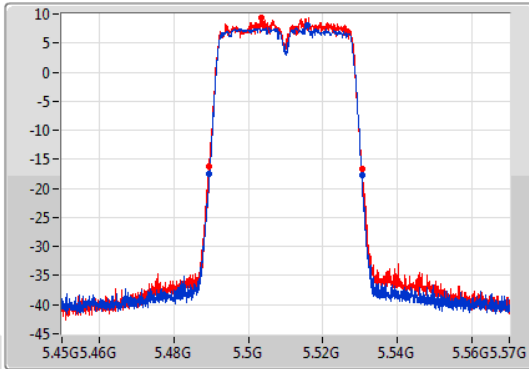
802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

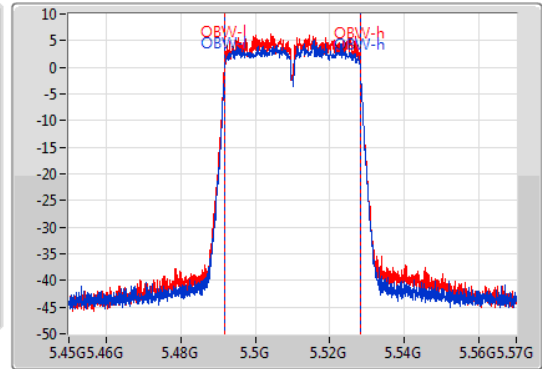
5510MHz

30/11/2019

CF  
5.51GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.51GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.4896G	5.5304G	36.342M	5.491829G	5.528171G	Inf	1
41.1M	5.48948G	5.53058G	36.282M	5.491829G	5.528111G	Inf	2

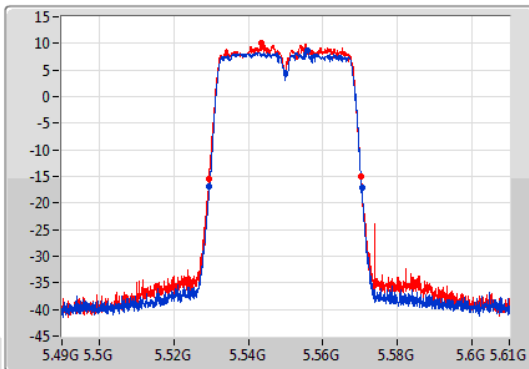
802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

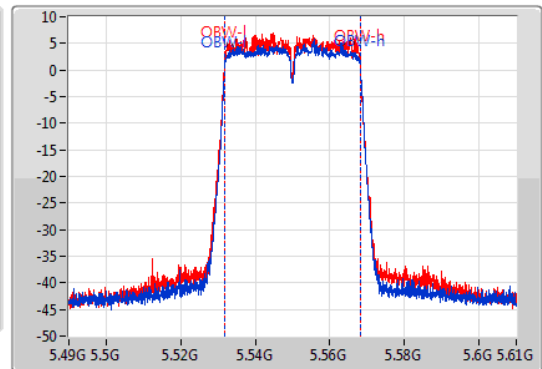
5550MHz

30/11/2019

CF  
5.55GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



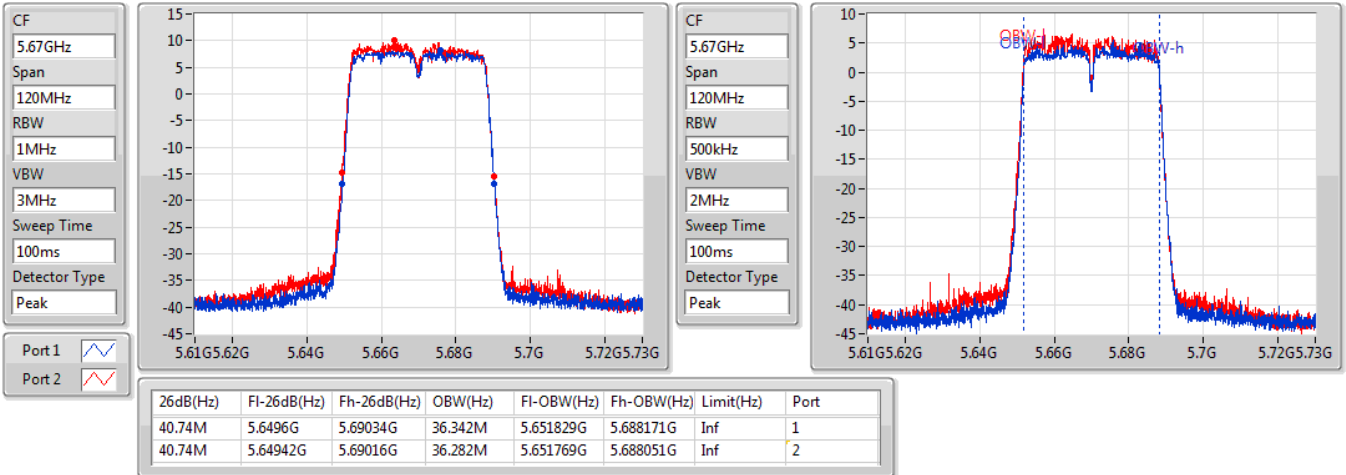
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.5296G	5.57046G	36.342M	5.531829G	5.568171G	Inf	1
40.92M	5.52942G	5.57034G	36.342M	5.531769G	5.568111G	Inf	2

802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

5670MHz

30/11/2019

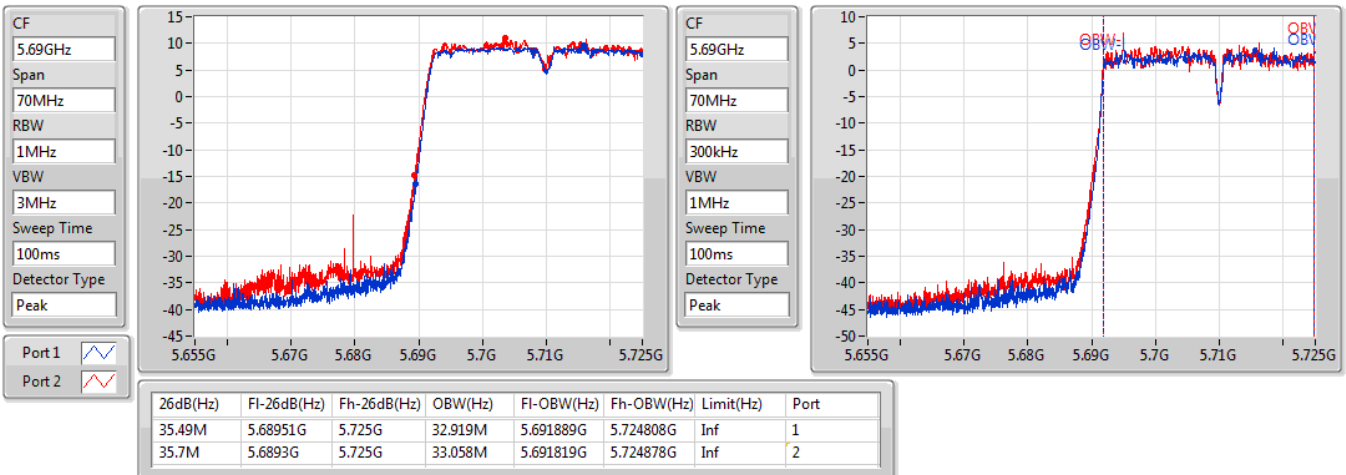


802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/11/2019

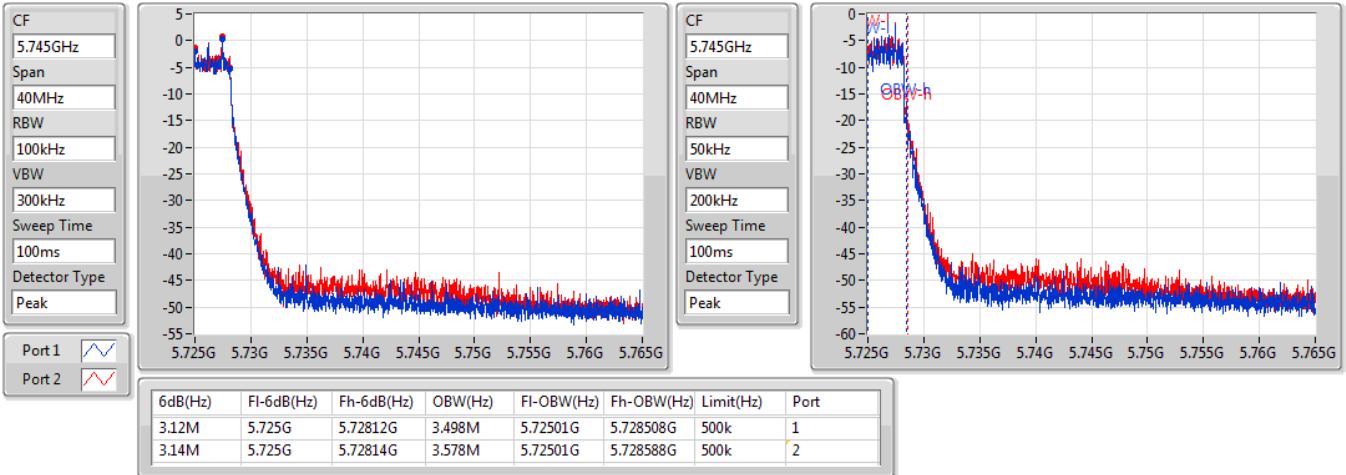


802.11ac VHT40\_Nss2,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/11/2019

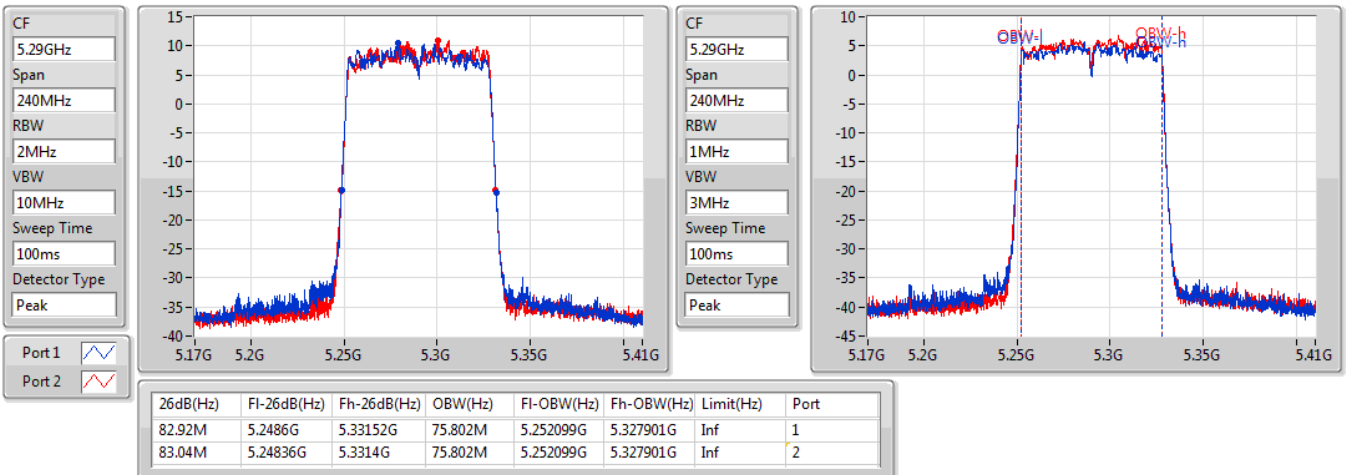


802.11ac VHT80\_Nss2,(MCS0)\_2TX

EBW

5290MHz

30/11/2019



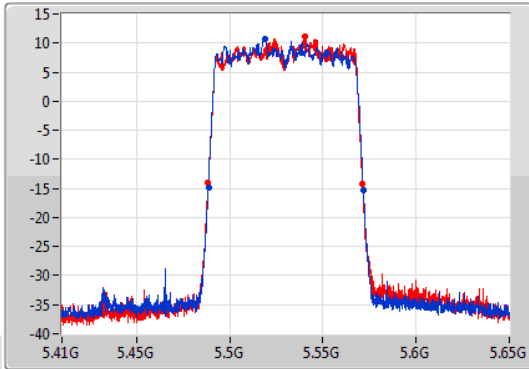
802.11ac VHT80\_Nss2,(MCS0)\_2TX

EBW

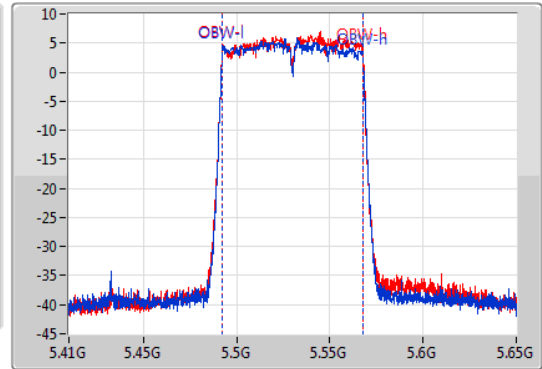
5530MHz

30/11/2019

CF  
5.53GHz  
Span  
240MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.92M	5.4886G	5.57152G	75.802M	5.492099G	5.567901G	Inf	1
82.92M	5.48848G	5.5714G	75.682M	5.492219G	5.567901G	Inf	2

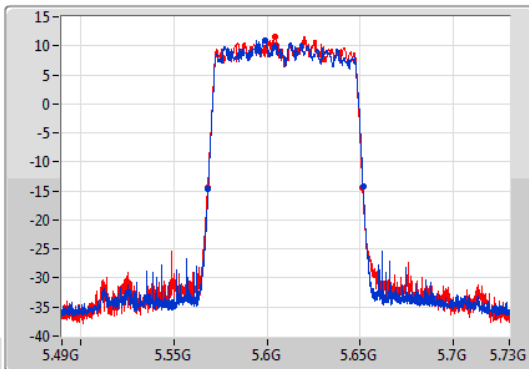
802.11ac VHT80\_Nss2,(MCS0)\_2TX

EBW

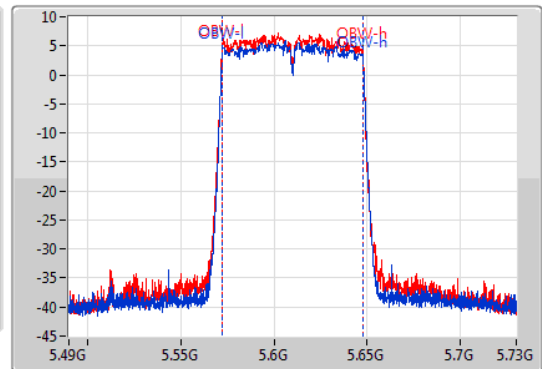
5610MHz

30/11/2019

CF  
5.61GHz  
Span  
240MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.61GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



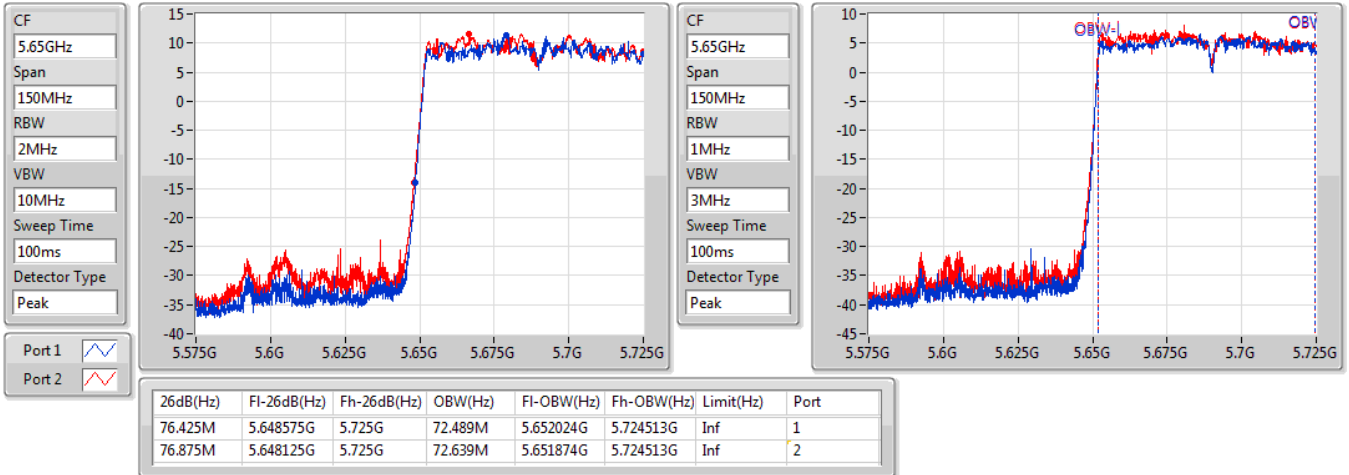
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.04M	5.56848G	5.65152G	75.802M	5.572099G	5.647901G	Inf	1
83.16M	5.56812G	5.65128G	75.802M	5.571979G	5.647781G	Inf	2

802.11ac VHT80\_Nss2,(MCS0)\_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/11/2019

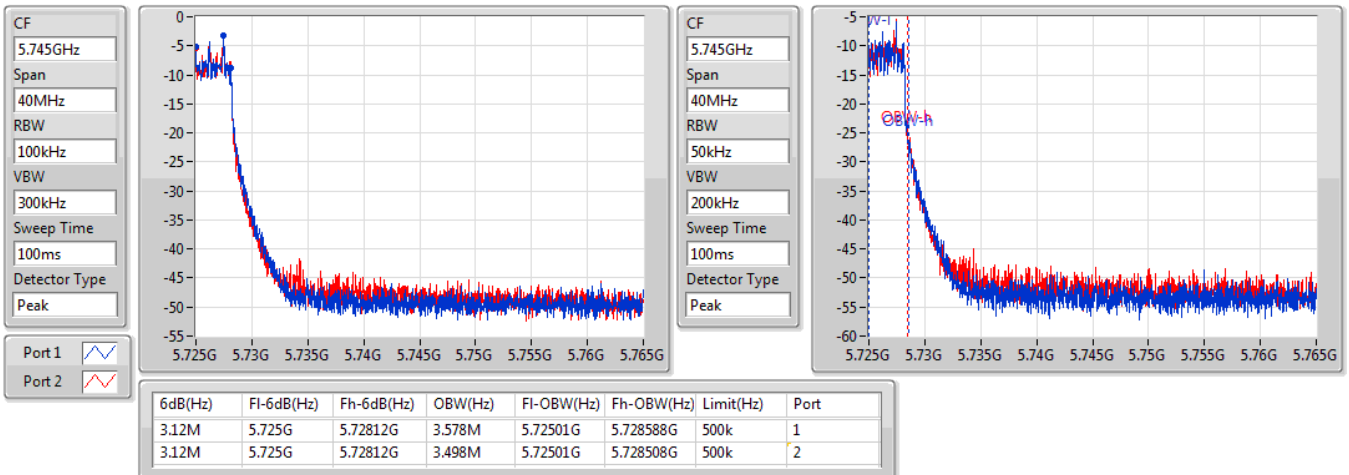


802.11ac VHT80\_Nss2,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/11/2019

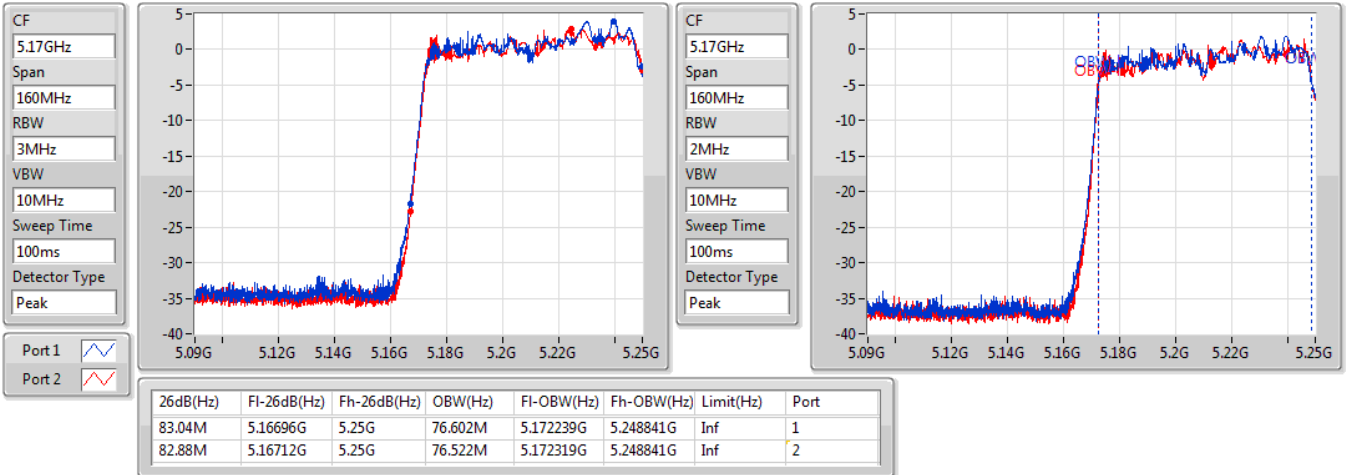


802.11ac VHT160\_Nss2,(MCS0)\_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

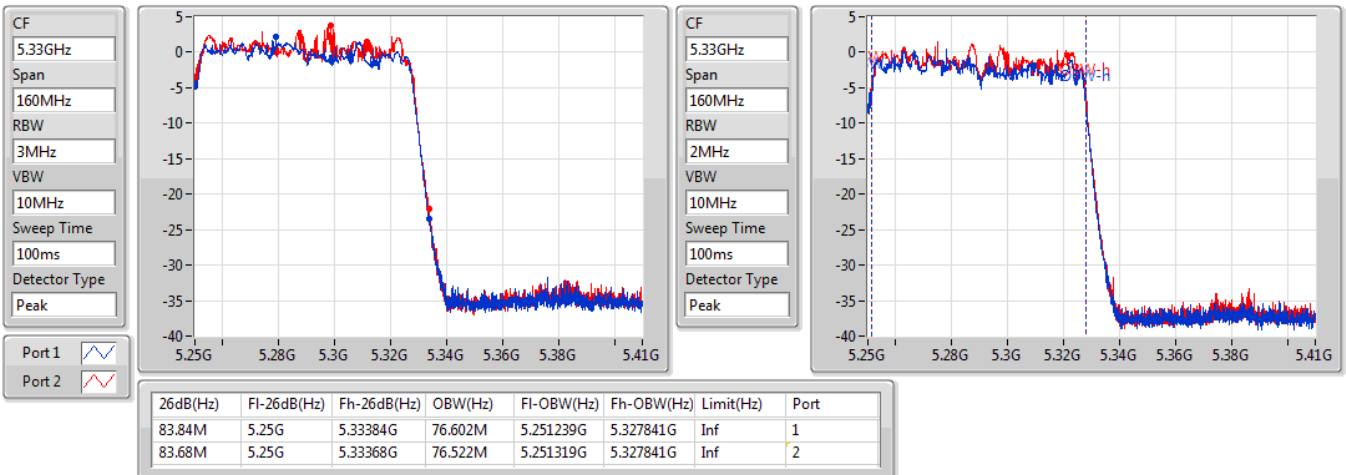


802.11ac VHT160\_Nss2,(MCS0)\_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/11/2019

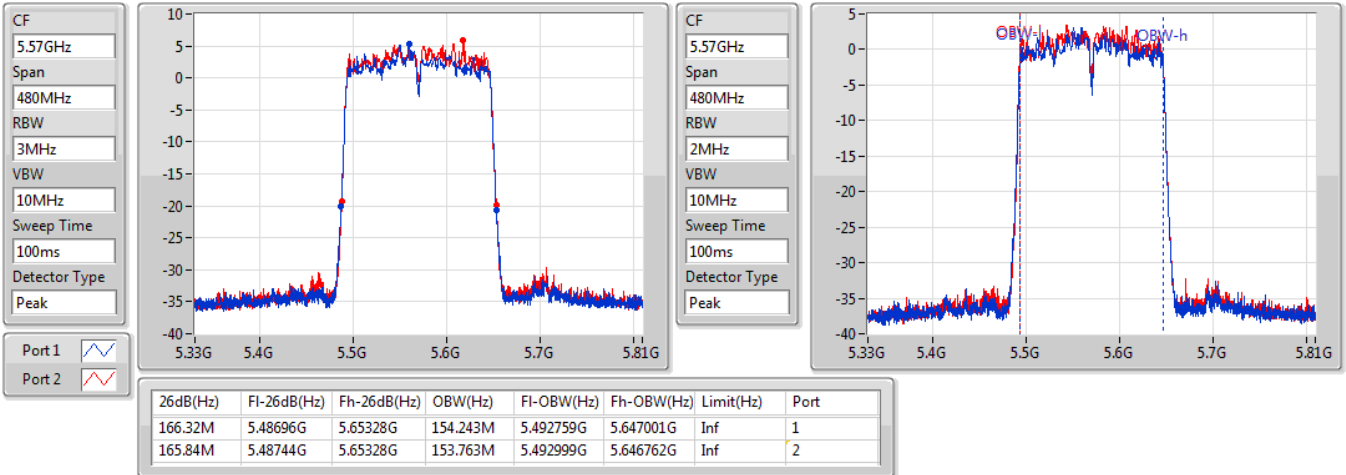


802.11ac VHT160\_Nss2,(MCS0)\_2TX

EBW

5570MHz

30/11/2019

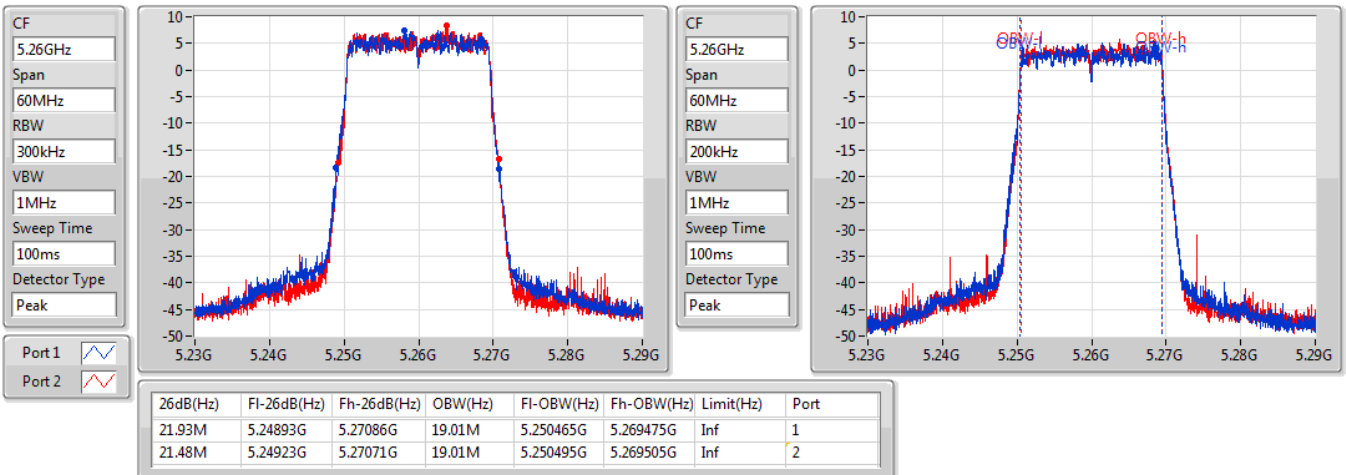


802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5260MHz

30/11/2019



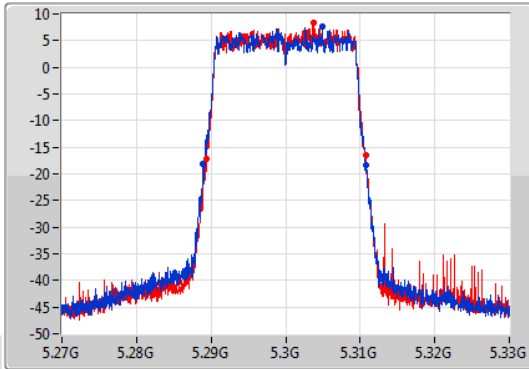
802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

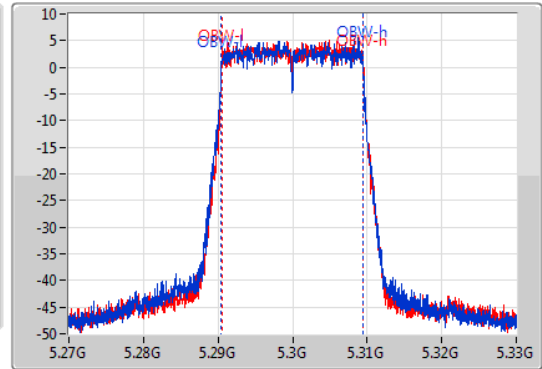
5300MHz

30/11/2019

CF  
5.3GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	5.28893G	5.31074G	19.01M	5.290465G	5.309475G	Inf	1
21.33M	5.28938G	5.31071G	19.01M	5.290495G	5.309505G	Inf	2

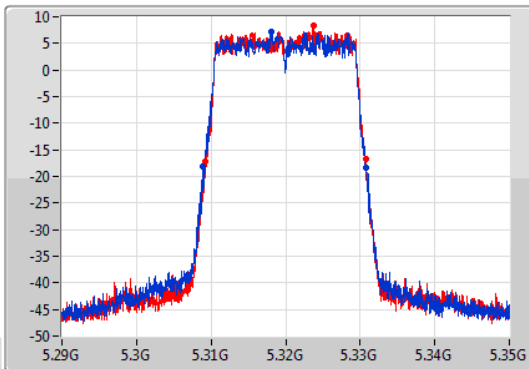
802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

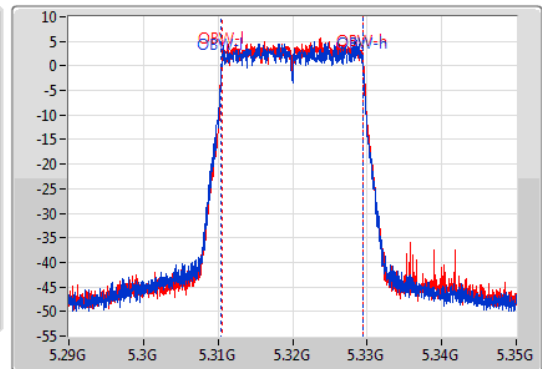
5320MHz

30/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.84M	5.30896G	5.3308G	19.01M	5.310465G	5.329475G	Inf	1
21.45M	5.30926G	5.33071G	19.01M	5.310495G	5.329505G	Inf	2



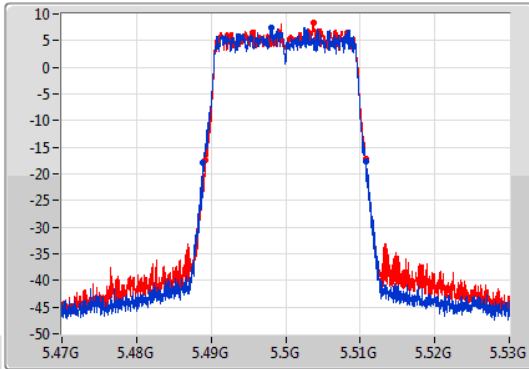
802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

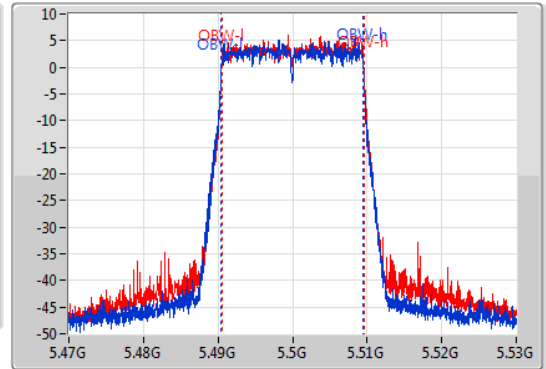
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	5.48896G	5.51077G	19.04M	5.490465G	5.509505G	Inf	1
21.51M	5.48926G	5.51077G	19.04M	5.490495G	5.509535G	Inf	2

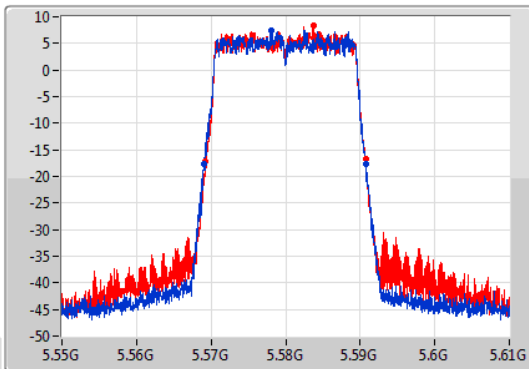
802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

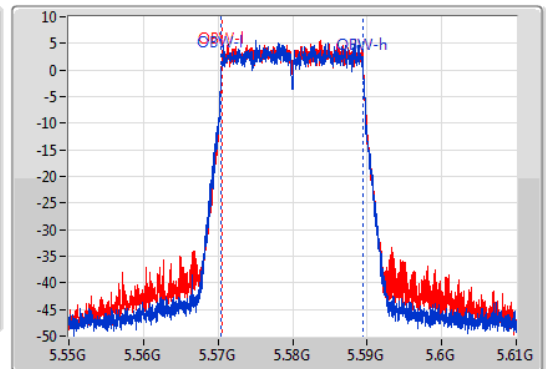
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



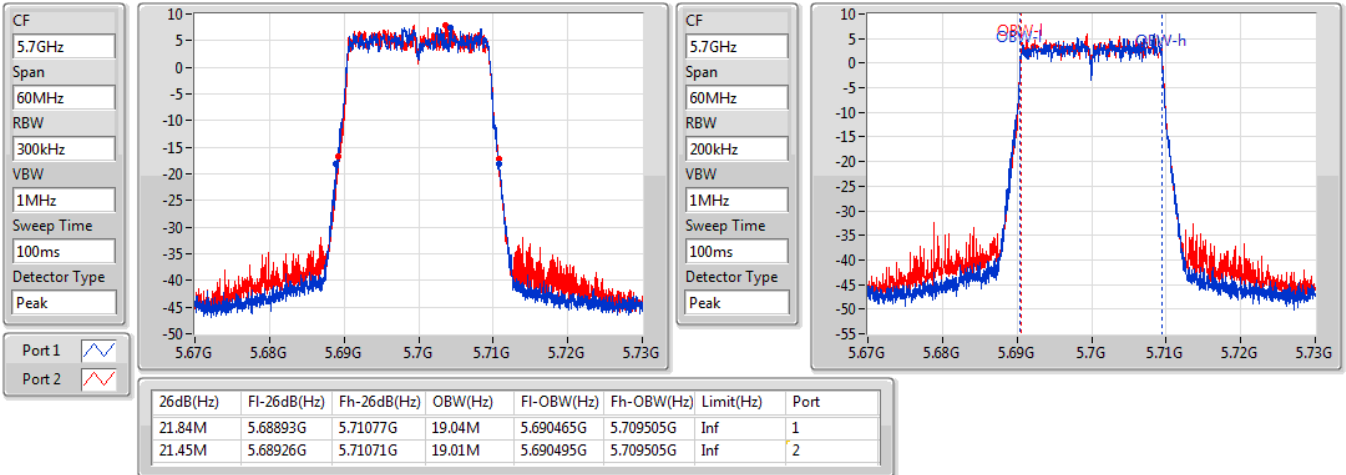
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.56899G	5.59077G	19.01M	5.570465G	5.589475G	Inf	1
21.45M	5.56926G	5.59071G	19.01M	5.570495G	5.589505G	Inf	2

802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5700MHz

30/11/2019

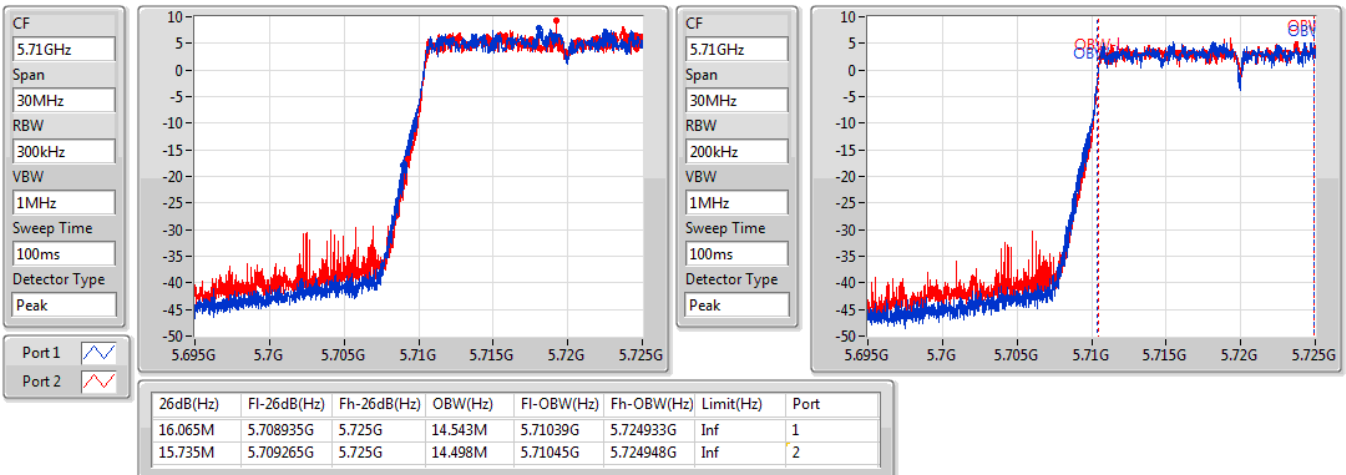


802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/11/2019

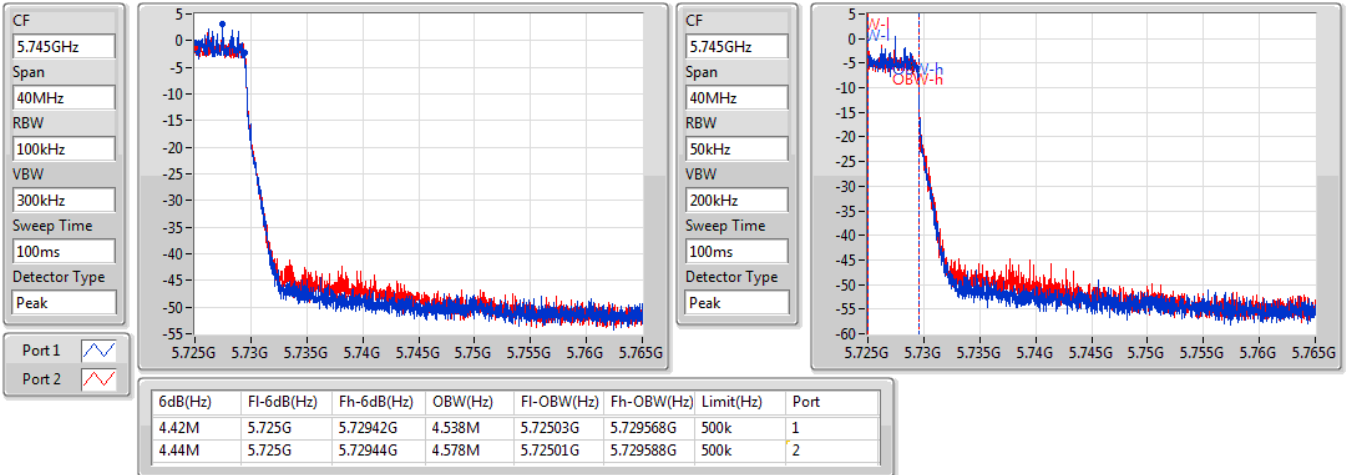


802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/11/2019

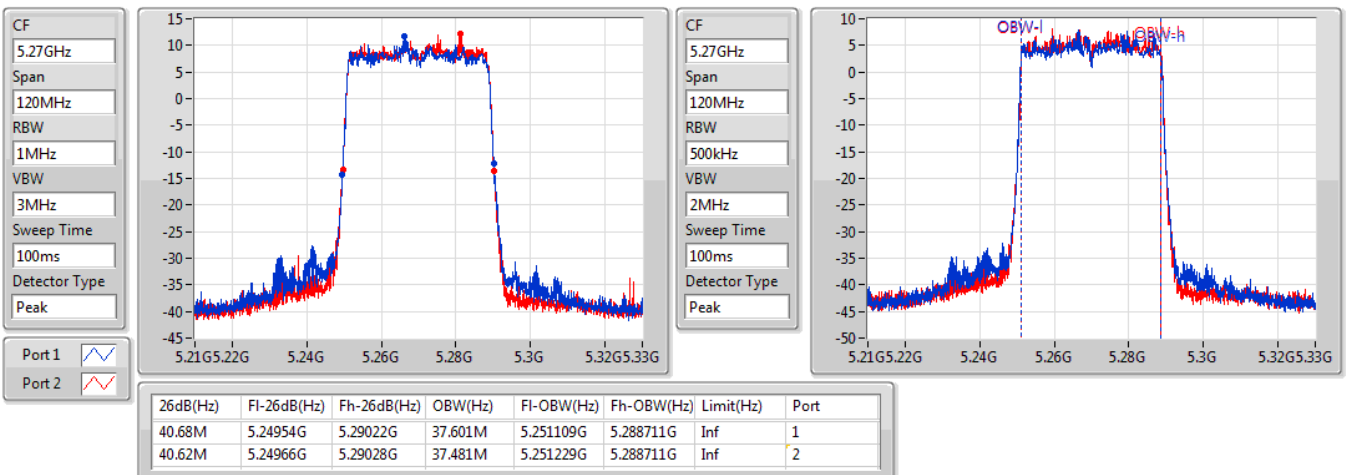


802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

5270MHz

30/11/2019



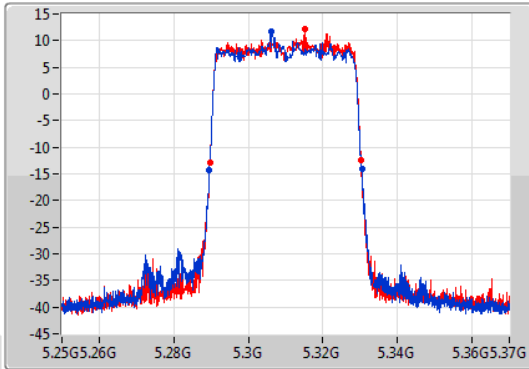
802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

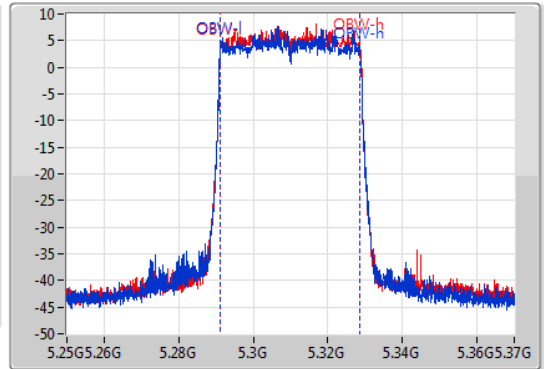
5310MHz

30/11/2019

CF  
5.31GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.31GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.28954G	5.3304G	37.601M	5.291109G	5.328711G	Inf	1
40.56M	5.28966G	5.33022G	37.481M	5.291229G	5.328711G	Inf	2

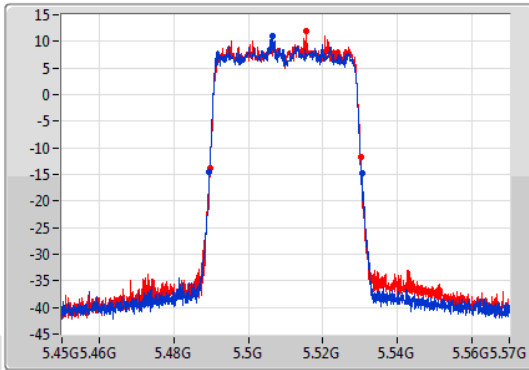
802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

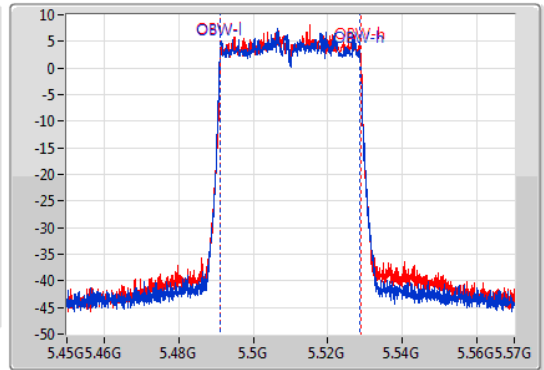
5510MHz

30/11/2019

CF  
5.51GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.51GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.48954G	5.5304G	37.661M	5.491049G	5.528711G	Inf	1
40.44M	5.48966G	5.5301G	37.541M	5.491229G	5.528711G	Inf	2

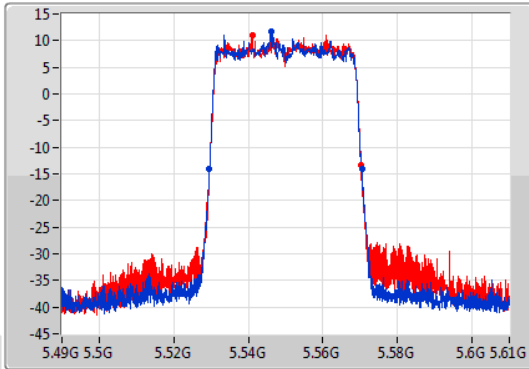
802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

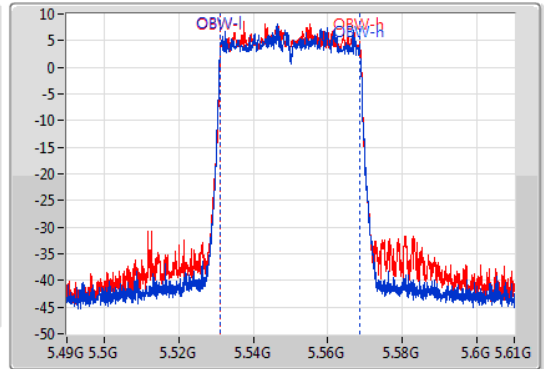
5550MHz

30/11/2019

CF  
5.55GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.52954G	5.5704G	37.541M	5.531109G	5.568651G	Inf	1
40.68M	5.5296G	5.57028G	37.481M	5.531229G	5.568711G	Inf	2

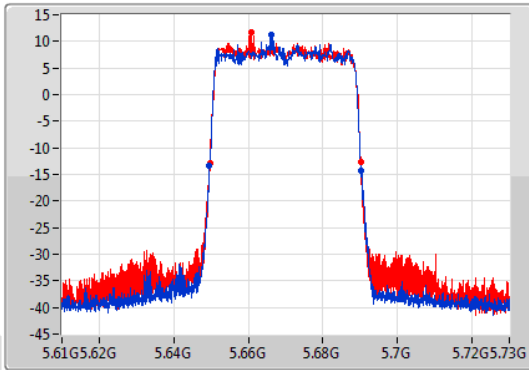
802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

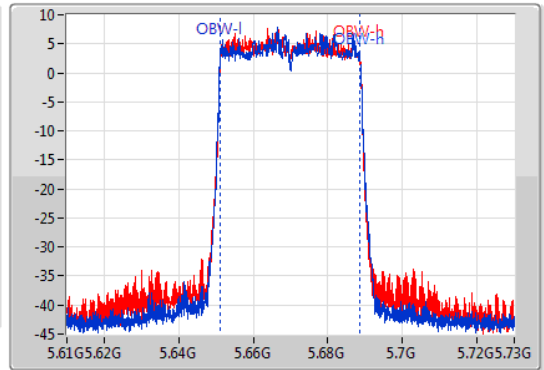
5670MHz

30/11/2019

CF  
5.67GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.67GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



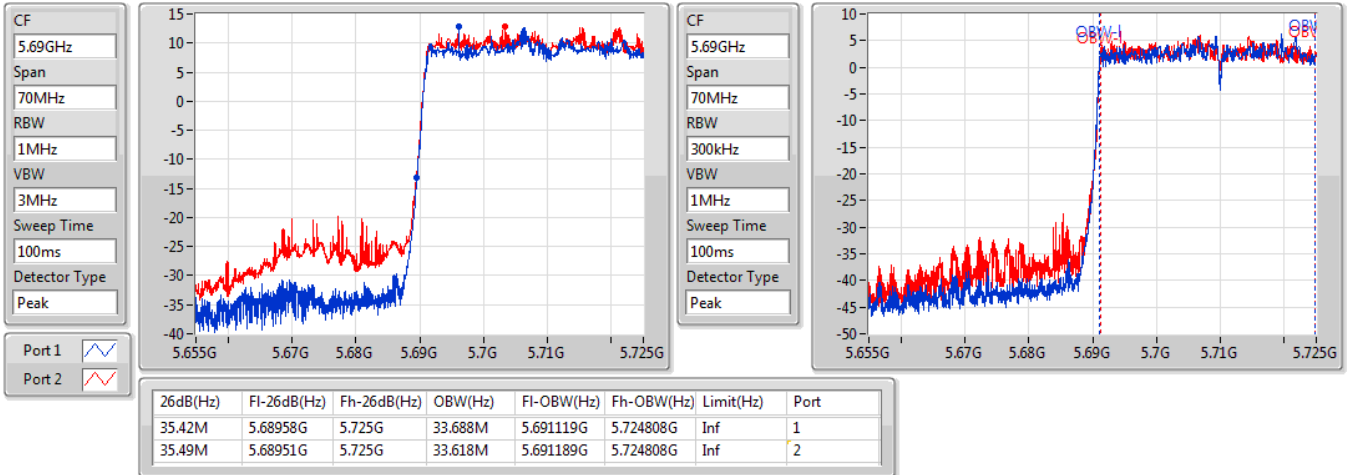
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.6496G	5.69034G	37.601M	5.651109G	5.688711G	Inf	1
40.5M	5.64966G	5.69016G	37.481M	5.651169G	5.688651G	Inf	2

802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/11/2019

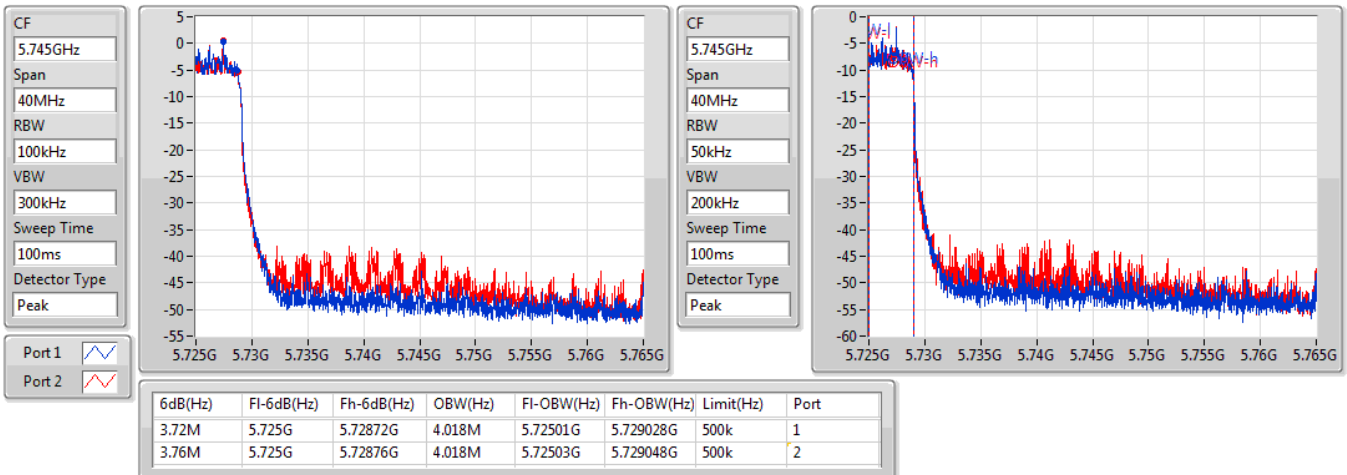


802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/11/2019

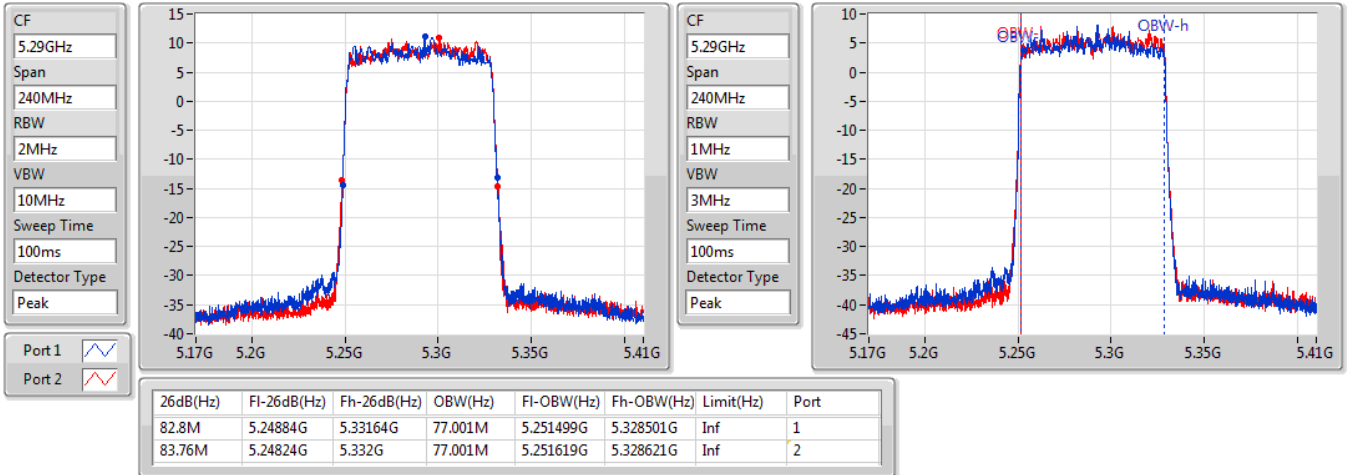


802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

5290MHz

30/11/2019

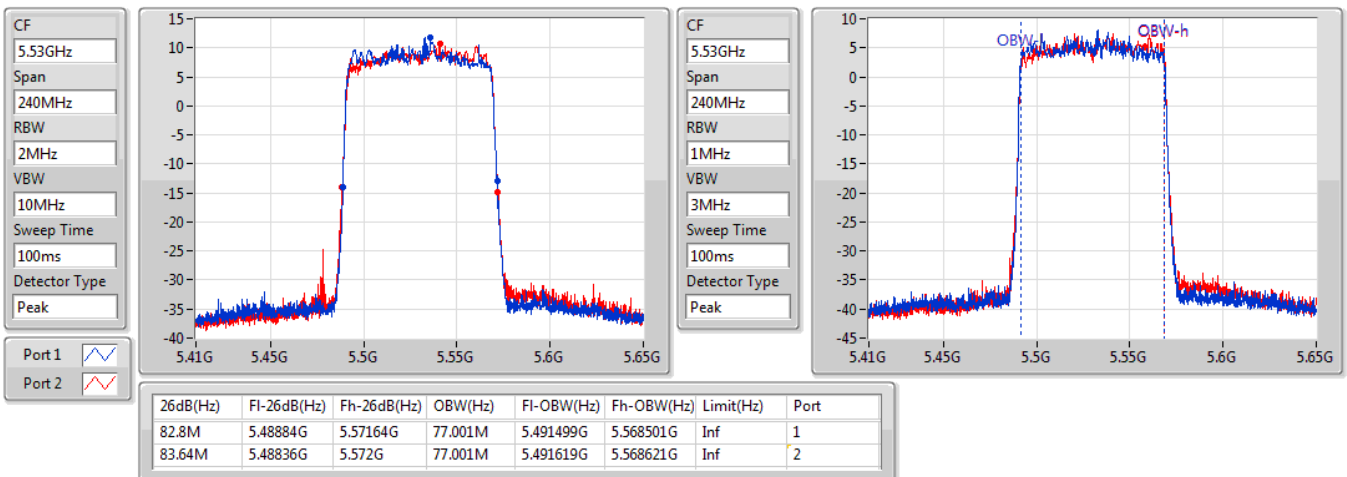


802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

5530MHz

30/11/2019

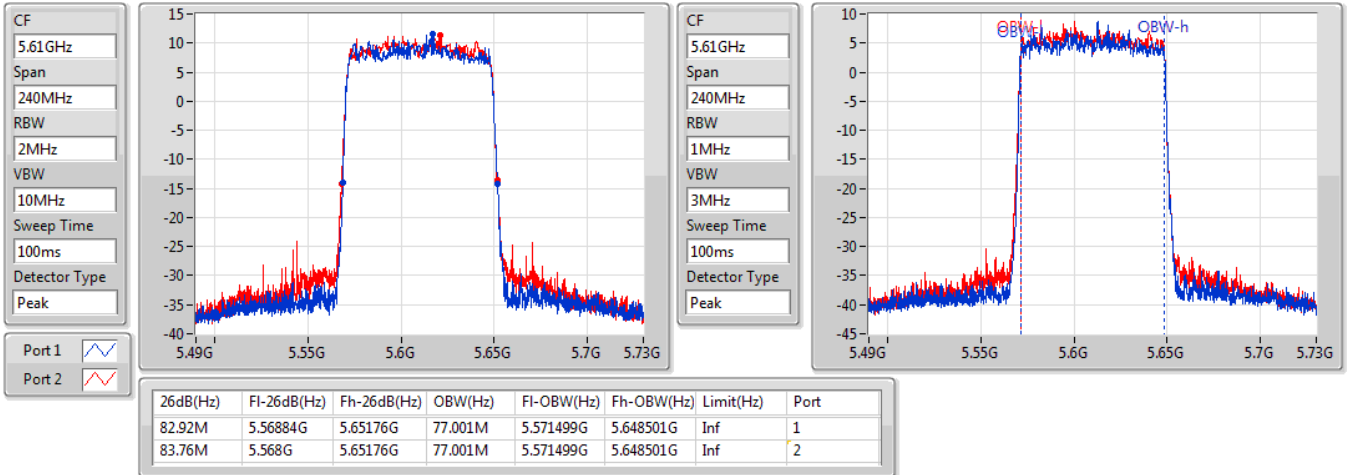


802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

5610MHz

30/11/2019

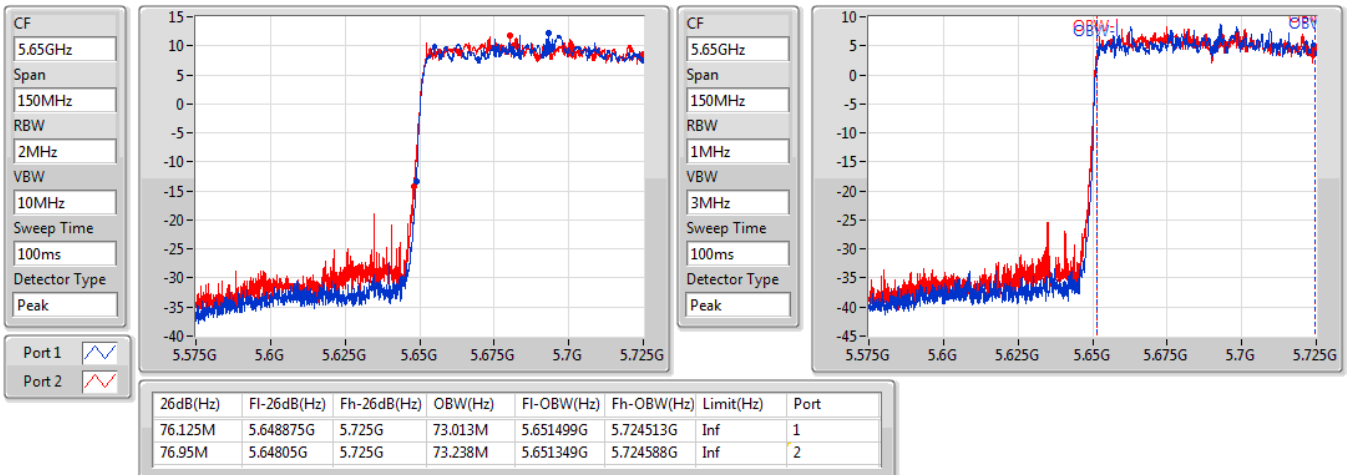


802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/11/2019



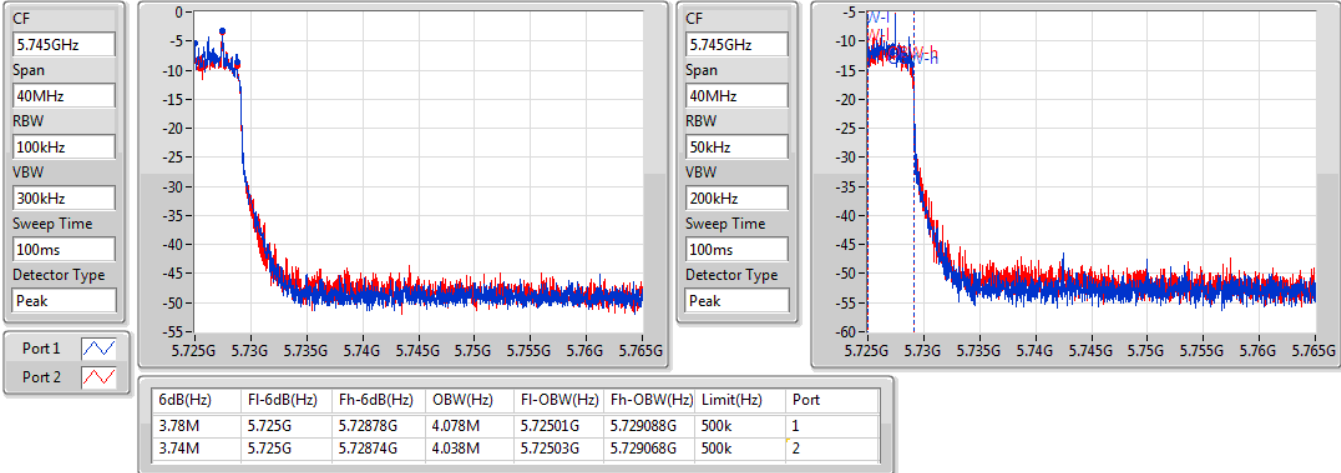


802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/11/2019

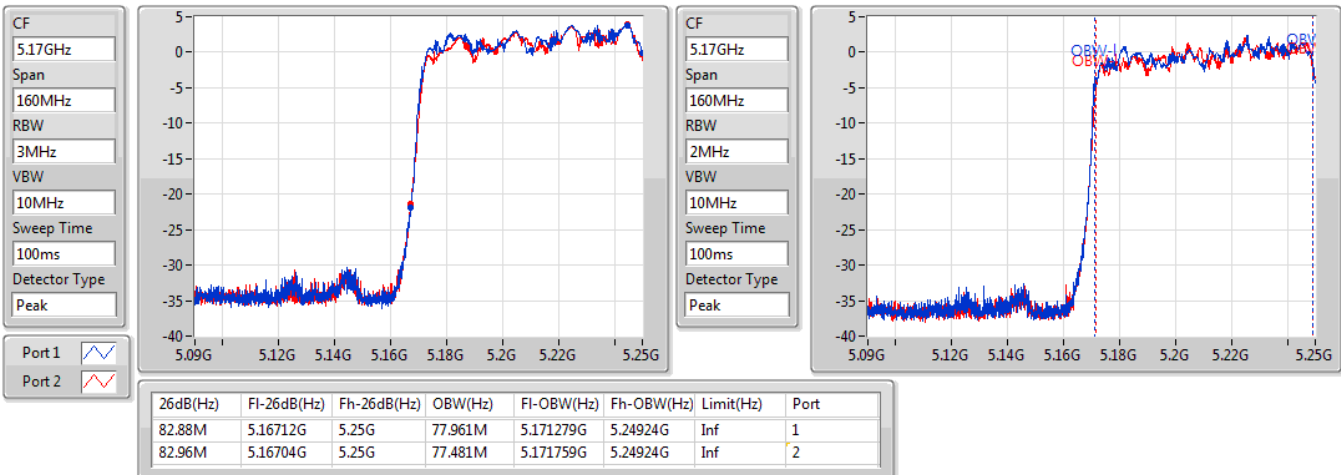


802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/12/2019

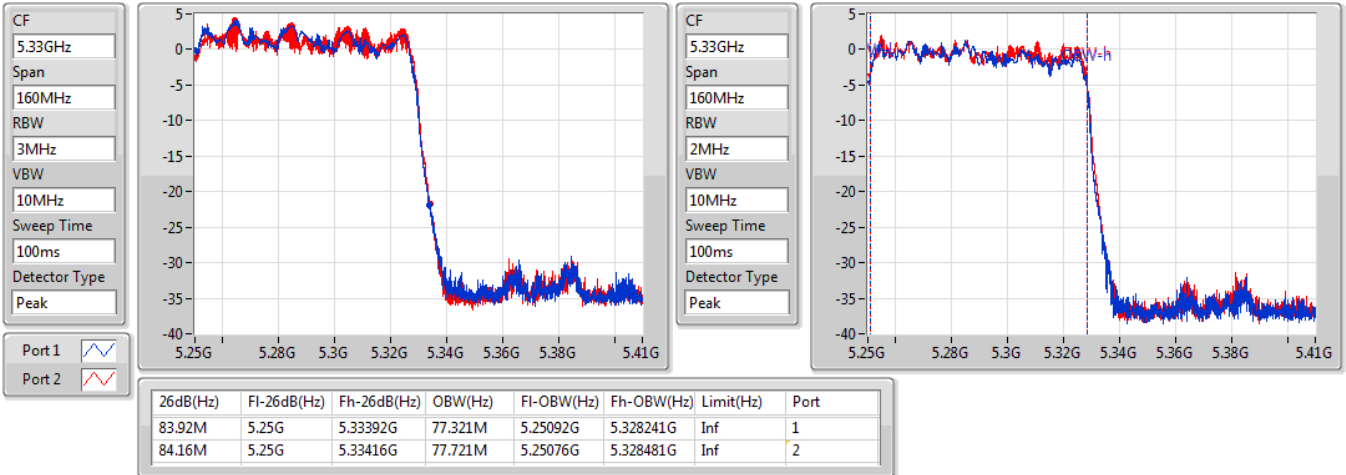


802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/12/2019

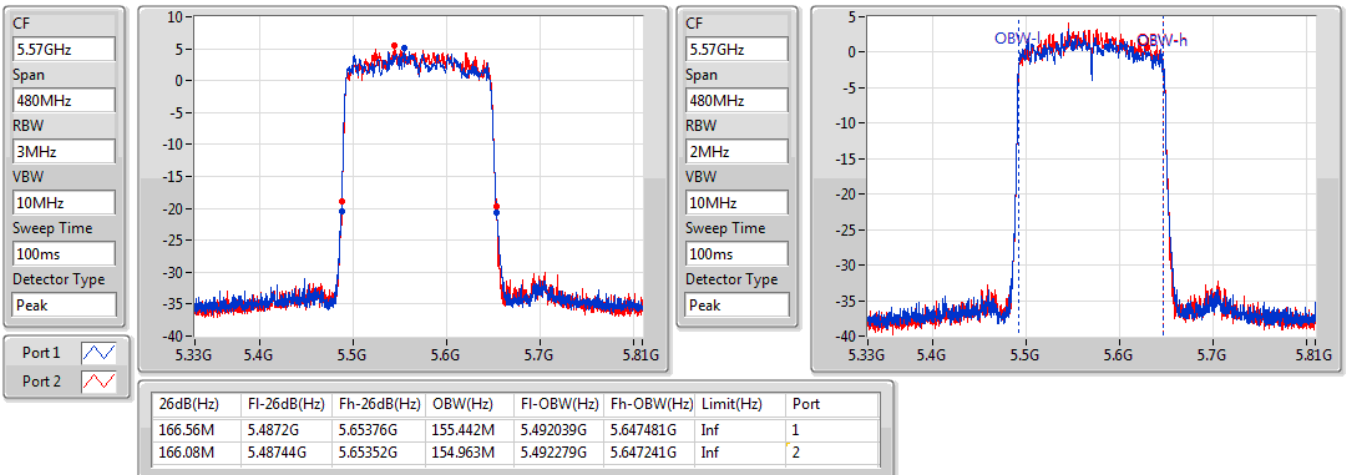


802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

5570MHz

30/11/2019





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	84.08M	76.922M	76M9D1D	82.72M	76.442M
802.11ax HEW160_Nss1,(MCS0)_4TX	83.28M	77.881M	77M9D1D	82.48M	77.721M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.72M	16.792M	16M8D1D	21.42M	16.642M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.78M	17.901M	17M9D1D	21.48M	17.781M
802.11ac VHT40_Nss1,(MCS0)_4TX	41.1M	36.402M	36M4D1D	40.32M	36.282M
802.11ac VHT80_Nss1,(MCS0)_4TX	83.28M	75.802M	75M8D1D	82.8M	75.562M
802.11ac VHT160_Nss1,(MCS0)_4TX	84.24M	77.001M	77M0D1D	83.04M	76.282M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.75M	19.13M	19M1D1D	21.51M	18.981M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.98M	37.601M	37M6D1D	40.68M	37.541M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.76M	77.121M	77M1D1D	83.4M	77.001M
802.11ax HEW160_Nss1,(MCS0)_4TX	83.84M	77.961M	78M0D1D	83.76M	77.801M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.72M	16.822M	16M8D1D	15.66M	13.388M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.78M	17.871M	17M9D1D	15.765M	13.943M
802.11ac VHT40_Nss1,(MCS0)_4TX	41.1M	36.402M	36M4D1D	35.28M	32.954M
802.11ac VHT80_Nss1,(MCS0)_4TX	83.52M	75.682M	75M7D1D	76.5M	72.489M
802.11ac VHT160_Nss1,(MCS0)_4TX	166.56M	154.243M	154MD1D	165.36M	154.003M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.29M	19.13M	19M1D1D	15.765M	14.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.1M	37.601M	37M6D1D	35.385M	33.583M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.88M	77.121M	77M1D1D	76.725M	73.088M
802.11ax HEW160_Nss1,(MCS0)_4TX	167.52M	155.442M	155MD1D	165.84M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.2M	4.118M	4M12D1D	3.12M	3.978M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.8M	4.318M	4M32D1D	3.74M	4.278M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.22M	3.558M	3M56D1D	3.12M	3.518M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.12M	3.698M	3M70D1D	3.1M	3.578M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.46M	4.618M	4M62D1D	4.44M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.84M	4.038M	4M04D1D	3.7M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.8M	4.078M	4M08D1D	3.74M	4.038M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	21.6M	16.732M	21.57M	16.792M	21.6M	16.762M	21.42M	16.672M
5300MHz_TnomVnom	Pass	Inf	21.54M	16.702M	21.63M	16.792M	21.51M	16.732M	21.42M	16.642M
5320MHz_TnomVnom	Pass	Inf	21.45M	16.702M	21.72M	16.792M	21.6M	16.732M	21.51M	16.642M
5500MHz_TnomVnom	Pass	Inf	21.57M	16.732M	21.69M	16.792M	21.66M	16.732M	21.45M	16.672M
5580MHz_TnomVnom	Pass	Inf	21.39M	16.732M	21.54M	16.792M	21.69M	16.762M	21.51M	16.672M
5700MHz_TnomVnom	Pass	Inf	21.24M	16.732M	21.63M	16.822M	21.72M	16.762M	21.3M	16.732M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.66M	13.388M	15.855M	13.448M	15.93M	13.433M	15.795M	13.403M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.12M	4.038M	3.2M	4.118M	3.14M	4.038M	3.16M	3.978M
802.11ac_VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	21.72M	17.871M	21.57M	17.811M	21.48M	17.811M	21.6M	17.841M
5300MHz_TnomVnom	Pass	Inf	21.75M	17.841M	21.54M	17.811M	21.54M	17.781M	21.69M	17.841M
5320MHz_TnomVnom	Pass	Inf	21.78M	17.871M	21.66M	17.811M	21.51M	17.781M	21.72M	17.901M
5500MHz_TnomVnom	Pass	Inf	21.78M	17.871M	21.57M	17.841M	21.45M	17.811M	21.54M	17.871M
5580MHz_TnomVnom	Pass	Inf	21.57M	17.871M	21.39M	17.811M	21.48M	17.811M	21.48M	17.871M
5700MHz_TnomVnom	Pass	Inf	21.78M	17.871M	21.63M	17.841M	21.51M	17.811M	21.51M	17.871M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.945M	13.973M	15.93M	13.973M	15.765M	13.943M	15.855M	13.973M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.74M	4.318M	3.8M	4.318M	3.78M	4.278M	3.74M	4.298M
802.11ac_VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	40.86M	36.402M	40.44M	36.342M	40.62M	36.342M	40.32M	36.282M
5310MHz_TnomVnom	Pass	Inf	41.1M	36.402M	40.68M	36.342M	40.98M	36.402M	40.56M	36.342M
5510MHz_TnomVnom	Pass	Inf	41.1M	36.402M	40.74M	36.342M	40.8M	36.402M	40.68M	36.342M
5550MHz_TnomVnom	Pass	Inf	41.1M	36.402M	40.86M	36.282M	40.74M	36.342M	40.56M	36.282M
5670MHz_TnomVnom	Pass	Inf	40.98M	36.402M	40.92M	36.282M	40.74M	36.402M	40.56M	36.342M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.595M	33.023M	35.455M	32.954M	35.385M	32.954M	35.28M	32.989M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.14M	3.538M	3.22M	3.558M	3.12M	3.518M	3.14M	3.538M
802.11ac_VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	83.04M	75.802M	82.8M	75.682M	83.04M	75.562M	83.28M	75.682M
5530MHz_TnomVnom	Pass	Inf	83.4M	75.682M	83.04M	75.682M	83.16M	75.682M	83.52M	75.682M
5610MHz_TnomVnom	Pass	Inf	83.16M	75.682M	82.92M	75.682M	82.68M	75.562M	83.4M	75.562M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	76.725M	72.489M	76.5M	72.489M	76.875M	72.489M	77.025M	72.489M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.1M	3.698M	3.12M	3.678M	3.1M	3.618M	3.1M	3.578M
802.11ac_VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	Inf	82.72M	76.922M	82.88M	76.842M	84.08M	76.442M	82.88M	76.522M
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	Inf	83.04M	76.602M	84.24M	77.001M	83.2M	76.282M	83.6M	76.362M
5570MHz_TnomVnom	Pass	Inf	165.84M	154.243M	166.08M	154.003M	166.56M	154.243M	165.36M	154.003M
802.11ax_HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	21.54M	18.981M	21.57M	19.04M	21.51M	19.07M	21.72M	19.07M
5300MHz_TnomVnom	Pass	Inf	21.63M	18.981M	21.63M	19.04M	21.66M	19.07M	21.75M	19.07M
5320MHz_TnomVnom	Pass	Inf	21.57M	19.01M	21.57M	19.1M	21.51M	19.07M	21.72M	19.13M
5500MHz_TnomVnom	Pass	Inf	21.57M	19.04M	21.57M	19.07M	21.63M	19.1M	21.78M	19.07M
5580MHz_TnomVnom	Pass	Inf	21.69M	19.01M	21.51M	19.04M	22.29M	19.1M	21.66M	19.1M
5700MHz_TnomVnom	Pass	Inf	21.69M	19.04M	21.72M	19.1M	22.08M	19.07M	21.75M	19.13M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.9M	14.558M	15.765M	14.513M	16.05M	14.573M	15.825M	14.498M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	4.44M	4.538M	4.46M	4.558M	4.44M	4.598M	4.44M	4.618M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	40.74M	37.541M	40.68M	37.541M	40.92M	37.601M	40.92M	37.541M
5310MHz_TnomVnom	Pass	Inf	40.98M	37.541M	40.86M	37.541M	40.86M	37.541M	40.92M	37.541M
5510MHz_TnomVnom	Pass	Inf	40.98M	37.541M	40.74M	37.541M	40.74M	37.541M	40.8M	37.541M
5550MHz_TnomVnom	Pass	Inf	41.04M	37.541M	40.74M	37.541M	40.86M	37.481M	40.74M	37.601M
5670MHz_TnomVnom	Pass	Inf	41.1M	37.541M	40.68M	37.541M	40.98M	37.601M	41.04M	37.541M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.56M	33.583M	35.42M	33.688M	35.525M	33.653M	35.385M	33.618M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.78M	4.038M	3.84M	4.038M	3.7M	4.018M	3.82M	4.038M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	83.76M	77.001M	83.76M	77.121M	83.52M	77.001M	83.4M	77.001M
5530MHz_TnomVnom	Pass	Inf	83.88M	77.001M	83.88M	77.121M	83.76M	77.121M	83.28M	77.001M
5610MHz_TnomVnom	Pass	Inf	83.88M	77.121M	83.76M	77.001M	83.4M	77.001M	82.8M	77.001M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	76.725M	73.163M	76.8M	73.088M	76.8M	73.163M	76.8M	73.238M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.8M	4.078M	3.76M	4.038M	3.8M	4.038M	3.74M	4.058M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	Inf	82.48M	77.721M	82.64M	77.801M	83.28M	77.881M	83.04M	77.881M
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	Inf	83.84M	77.801M	83.76M	77.961M	83.76M	77.961M	83.76M	77.881M
5570MHz_TnomVnom	Pass	Inf	165.84M	155.442M	165.84M	154.723M	167.52M	155.202M	166.32M	154.963M

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

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

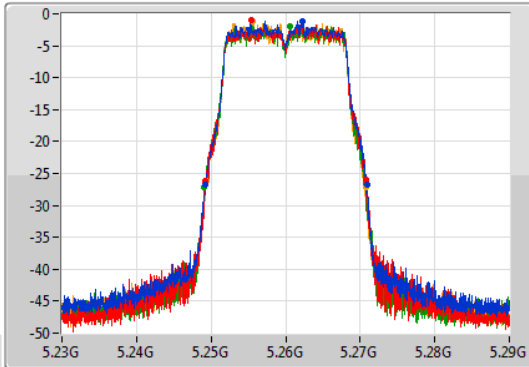
802.11a\_Nss1,(6Mbps)\_4TX

EBW

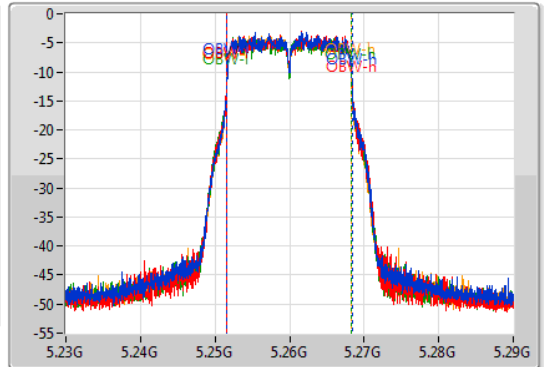
5260MHz

30/11/2019

CF: 5.26GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.26GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Blue line]  
 Port 2: [Red line]  
 Port 3: [Green line]  
 Port 4: [Yellow line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.24929G	5.27089G	16.732M	5.251634G	5.268366G	Inf	1
21.57M	5.24926G	5.27083G	16.792M	5.251604G	5.268396G	Inf	2
21.6M	5.24911G	5.27071G	16.762M	5.251574G	5.268336G	Inf	3
21.42M	5.24932G	5.27074G	16.672M	5.251634G	5.268306G	Inf	4

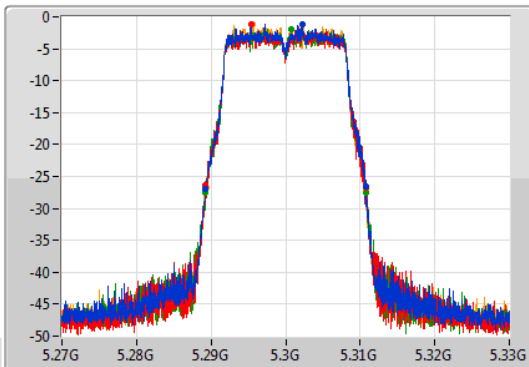
802.11a\_Nss1,(6Mbps)\_4TX

EBW

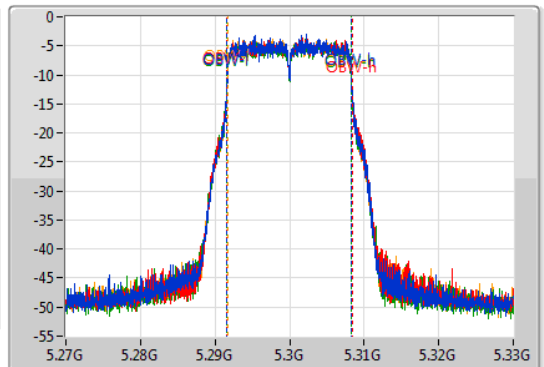
5300MHz

30/11/2019

CF: 5.3GHz  
 Span: 60MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.3GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Blue line]  
 Port 2: [Red line]  
 Port 3: [Green line]  
 Port 4: [Yellow line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.28926G	5.3108G	16.702M	5.291634G	5.308336G	Inf	1
21.63M	5.28923G	5.31086G	16.792M	5.291604G	5.308396G	Inf	2
21.51M	5.2892G	5.31071G	16.732M	5.291604G	5.308336G	Inf	3
21.42M	5.28932G	5.31074G	16.642M	5.291664G	5.308306G	Inf	4

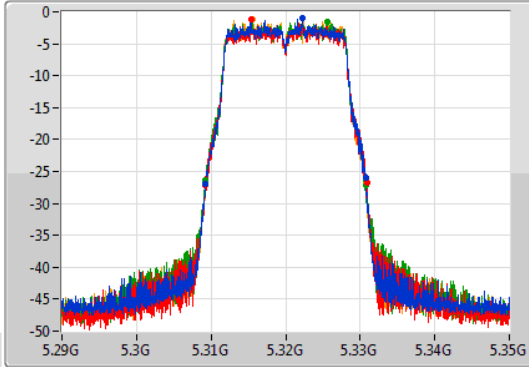
802.11a\_Nss1,(6Mbps)\_4TX

EBW

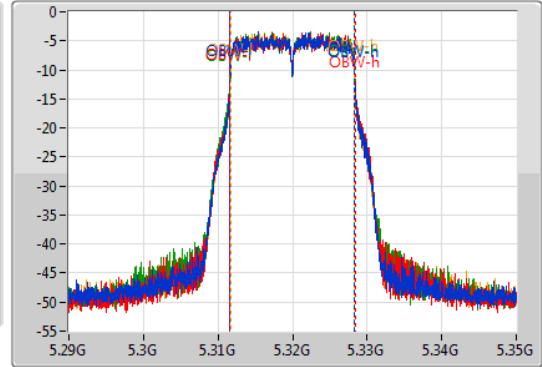
5320MHz

30/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.30929G	5.33074G	16.702M	5.311634G	5.328336G	Inf	1
21.72M	5.30917G	5.33089G	16.792M	5.311604G	5.328396G	Inf	2
21.6M	5.3092G	5.3308G	16.732M	5.311604G	5.328336G	Inf	3
21.51M	5.30926G	5.33077G	16.642M	5.311664G	5.328306G	Inf	4

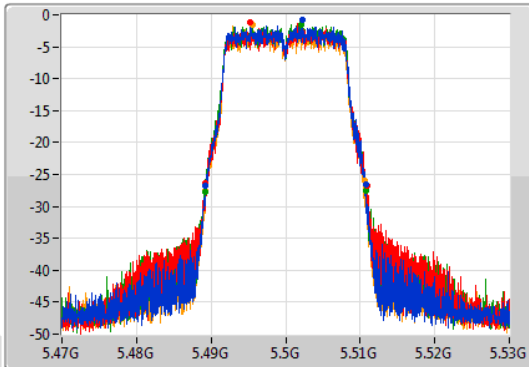
802.11a\_Nss1,(6Mbps)\_4TX

EBW

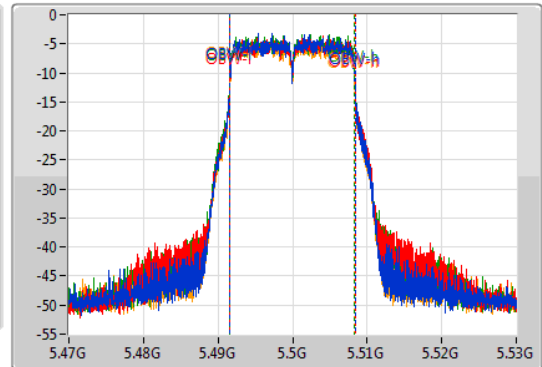
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.48926G	5.51083G	16.732M	5.491634G	5.508366G	Inf	1
21.69M	5.48923G	5.51092G	16.792M	5.491604G	5.508396G	Inf	2
21.66M	5.4892G	5.51086G	16.732M	5.491604G	5.508336G	Inf	3
21.45M	5.4892G	5.51065G	16.672M	5.491634G	5.508306G	Inf	4

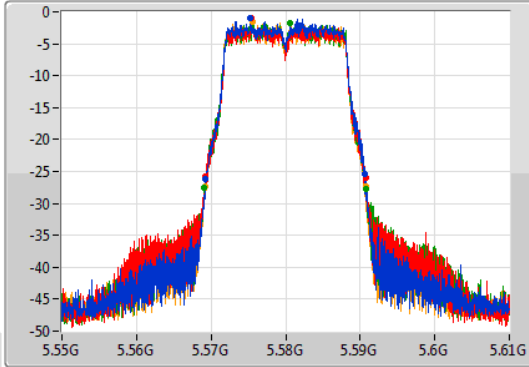
802.11a\_Nss1,(6Mbps)\_4TX

EBW

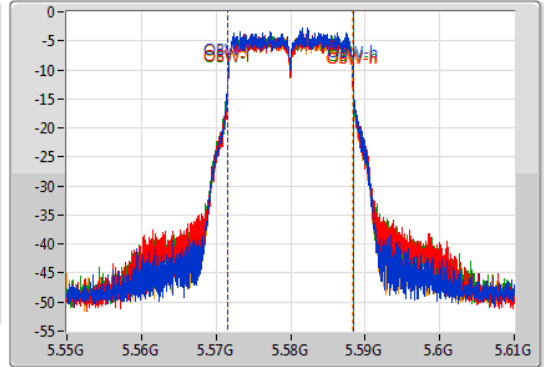
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.56929G	5.59068G	16.732M	5.571634G	5.588366G	Inf	1
21.54M	5.56926G	5.5908G	16.792M	5.571604G	5.588396G	Inf	2
21.69M	5.56911G	5.5908G	16.762M	5.571604G	5.588366G	Inf	3
21.51M	5.56926G	5.59077G	16.672M	5.571634G	5.588306G	Inf	4

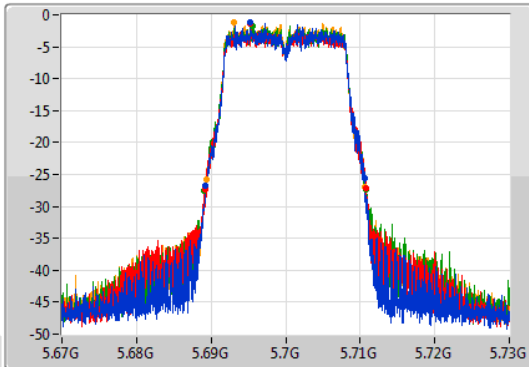
802.11a\_Nss1,(6Mbps)\_4TX

EBW

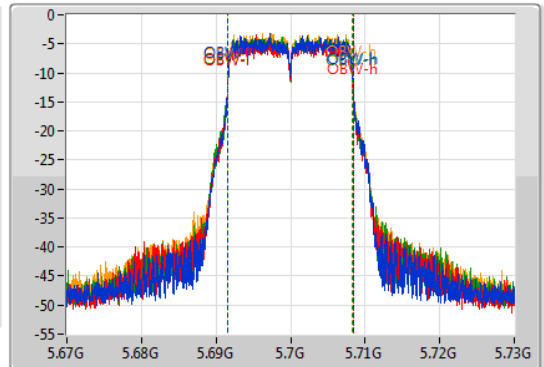
5700MHz

30/11/2019

CF  
5.7GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.68929G	5.71053G	16.732M	5.691634G	5.708366G	Inf	1
21.63M	5.6892G	5.71083G	16.822M	5.691574G	5.708396G	Inf	2
21.72M	5.68911G	5.71083G	16.762M	5.691574G	5.708336G	Inf	3
21.3M	5.68932G	5.71062G	16.732M	5.691604G	5.708336G	Inf	4

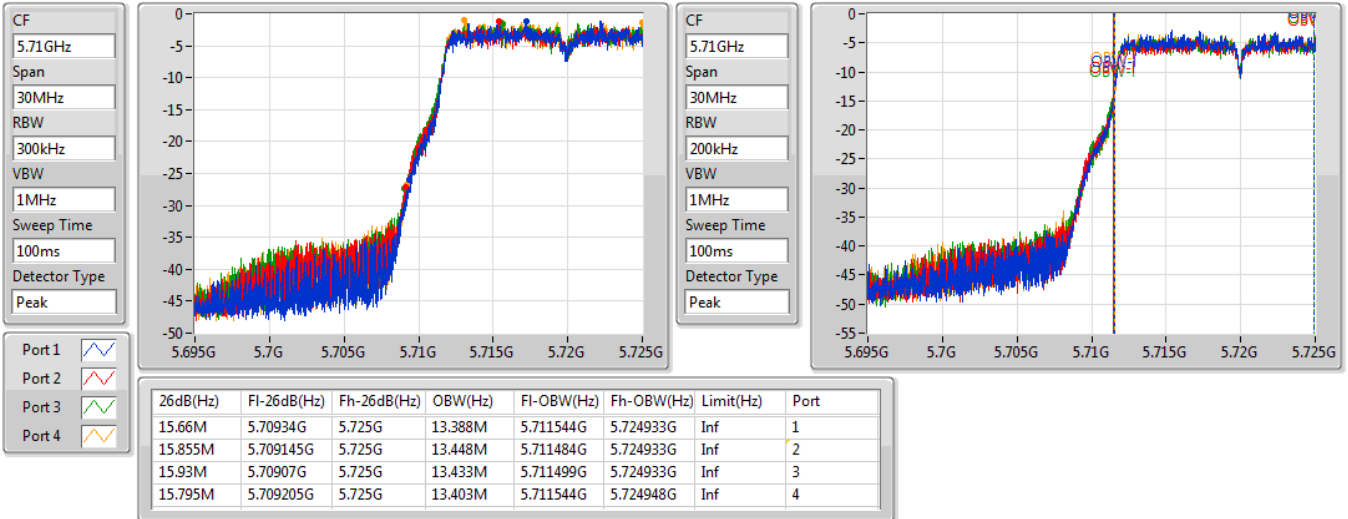


802.11a\_Nss1,(6Mbps)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/11/2019

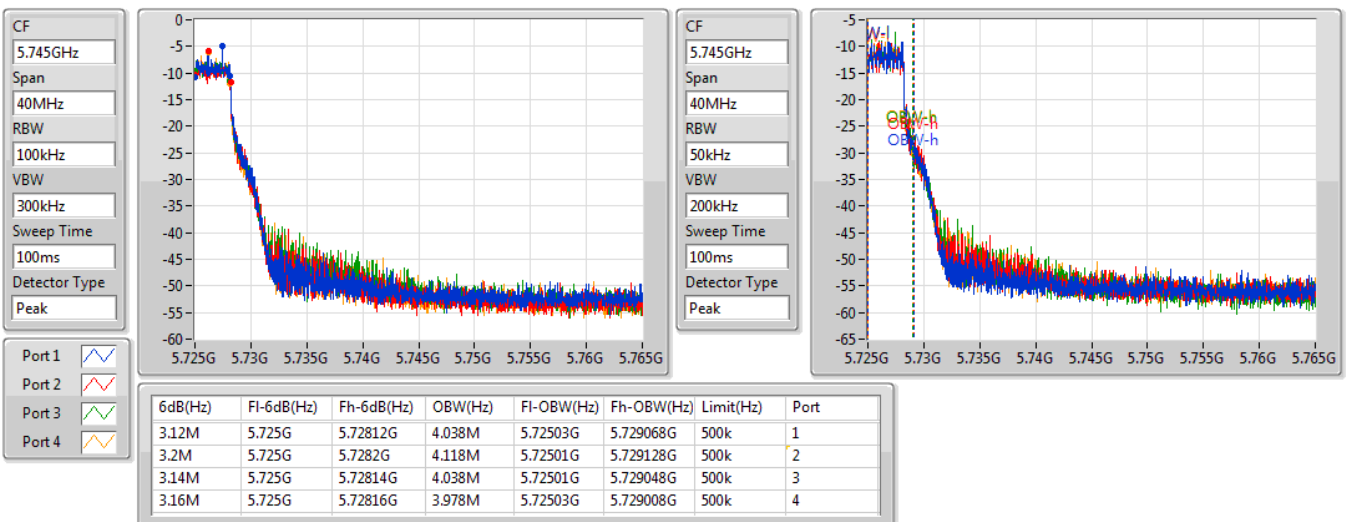


802.11a\_Nss1,(6Mbps)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/11/2019



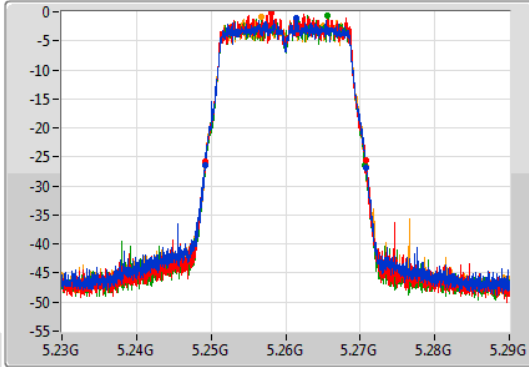
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

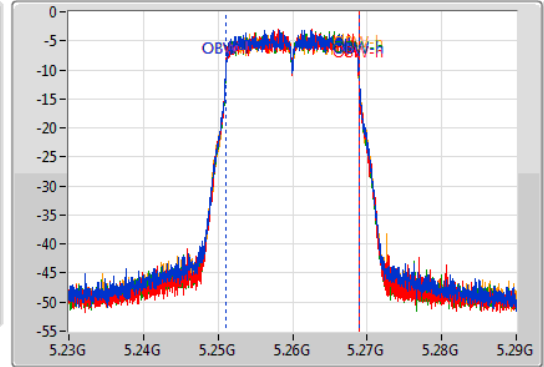
5260MHz

30/11/2019

CF  
5.26GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.26GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.24914G	5.27086G	17.871M	5.251034G	5.268906G	Inf	1
21.57M	5.2492G	5.27077G	17.811M	5.251064G	5.268876G	Inf	2
21.48M	5.2492G	5.27068G	17.811M	5.251064G	5.268876G	Inf	3
21.6M	5.24923G	5.27083G	17.841M	5.251064G	5.268906G	Inf	4

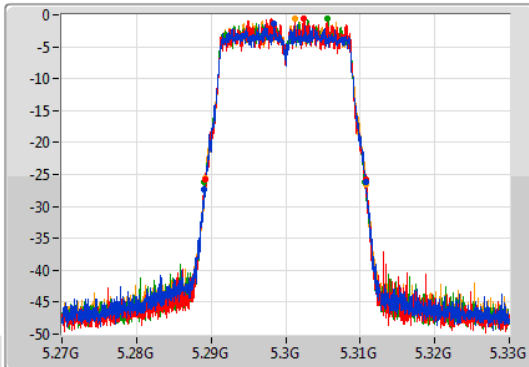
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

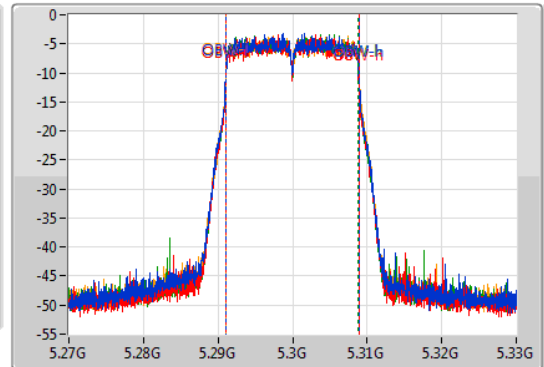
5300MHz

30/11/2019

CF  
5.3GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.28905G	5.3108G	17.841M	5.291064G	5.308906G	Inf	1
21.54M	5.28923G	5.31077G	17.811M	5.291064G	5.308876G	Inf	2
21.54M	5.28911G	5.31065G	17.781M	5.291064G	5.308846G	Inf	3
21.69M	5.28917G	5.31086G	17.841M	5.291064G	5.308906G	Inf	4

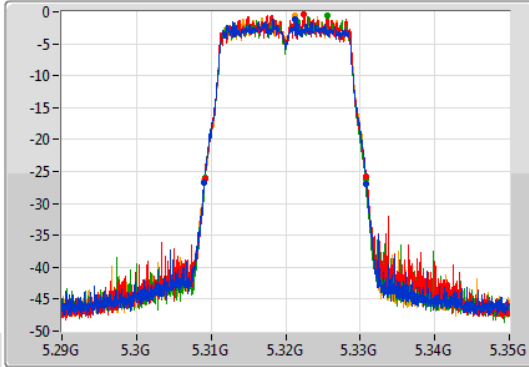
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

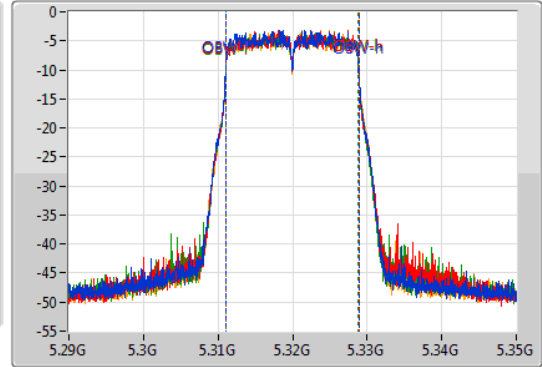
5320MHz

30/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.30908G	5.33086G	17.871M	5.311034G	5.328906G	Inf	1
21.66M	5.30917G	5.33083G	17.811M	5.311064G	5.328876G	Inf	2
21.51M	5.3092G	5.33071G	17.781M	5.311064G	5.328846G	Inf	3
21.72M	5.30911G	5.33083G	17.901M	5.311034G	5.328936G	Inf	4

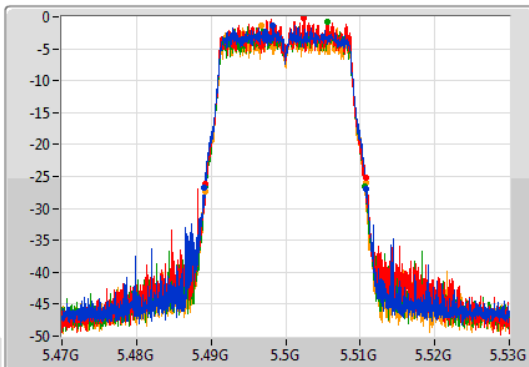
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

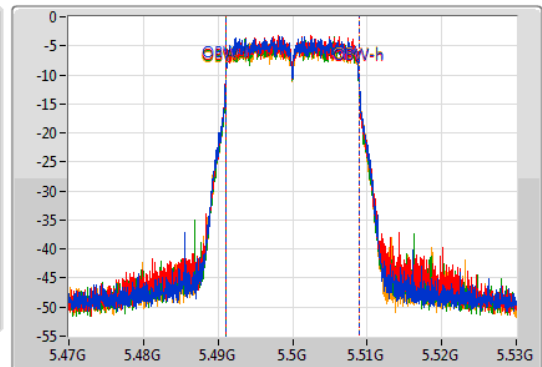
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.48908G	5.51086G	17.871M	5.491034G	5.508906G	Inf	1
21.57M	5.48926G	5.51083G	17.841M	5.491034G	5.508876G	Inf	2
21.45M	5.48923G	5.51068G	17.811M	5.491064G	5.508876G	Inf	3
21.54M	5.48923G	5.51077G	17.871M	5.491034G	5.508906G	Inf	4

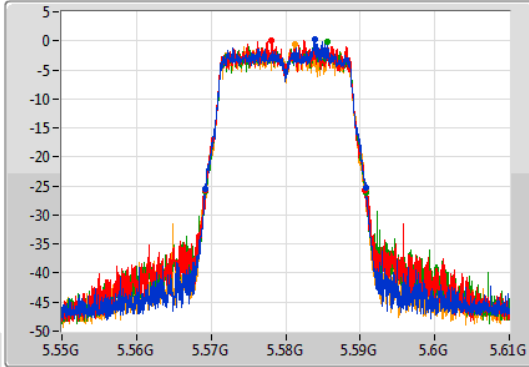
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

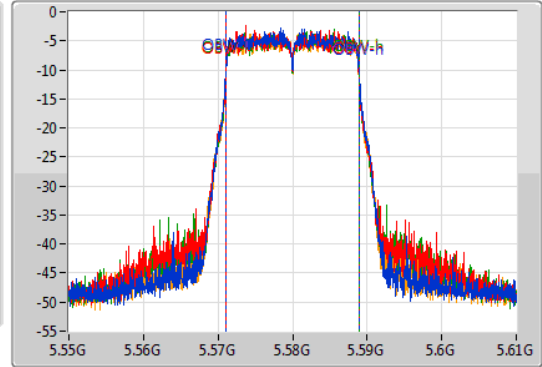
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.56917G	5.59074G	17.871M	5.571064G	5.588936G	Inf	1
21.39M	5.56926G	5.59065G	17.811M	5.571064G	5.588876G	Inf	2
21.48M	5.56923G	5.59071G	17.811M	5.571094G	5.588906G	Inf	3
21.48M	5.56929G	5.59077G	17.871M	5.571064G	5.588936G	Inf	4

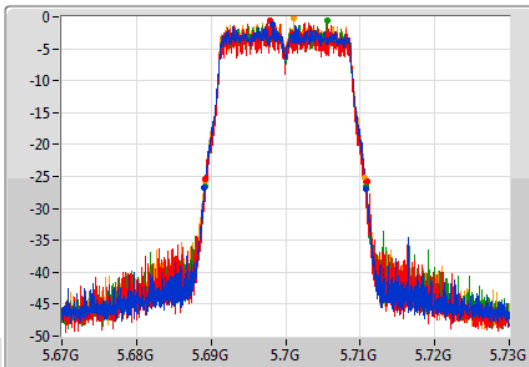
802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

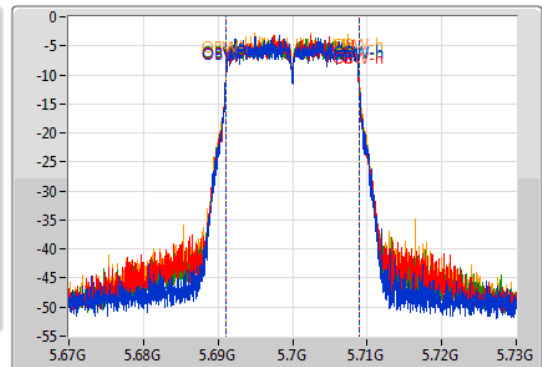
5700MHz

30/11/2019

CF  
5.7GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

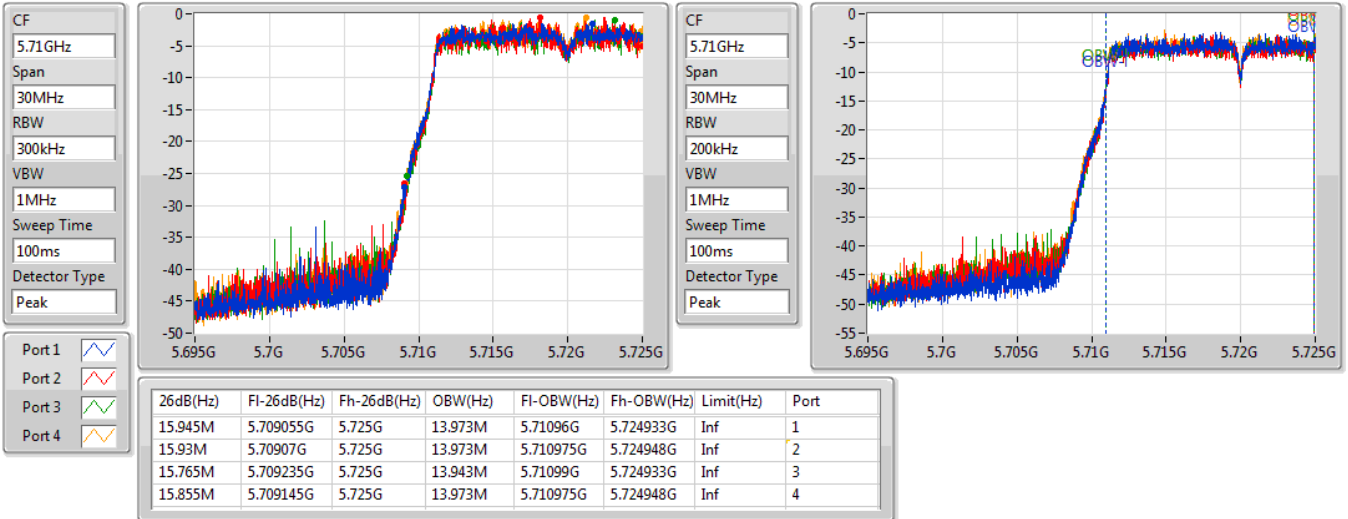
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.68908G	5.71086G	17.871M	5.691034G	5.708906G	Inf	1
21.63M	5.68926G	5.71089G	17.841M	5.691034G	5.708876G	Inf	2
21.51M	5.6892G	5.71071G	17.811M	5.691064G	5.708876G	Inf	3
21.51M	5.68914G	5.71065G	17.871M	5.691034G	5.708906G	Inf	4

802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/11/2019

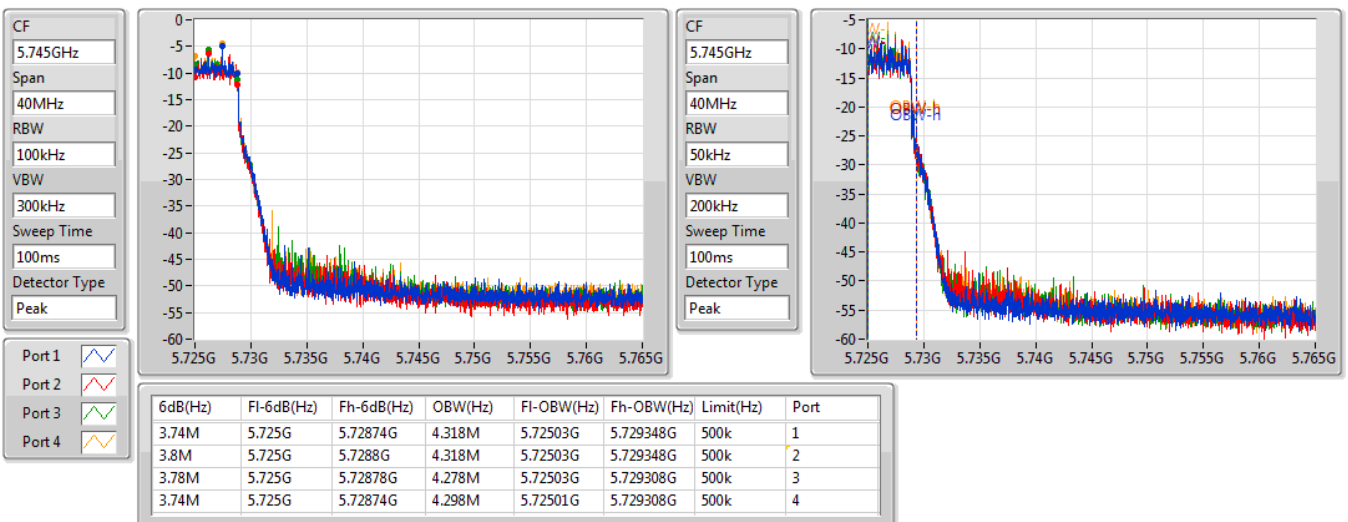


802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/11/2019



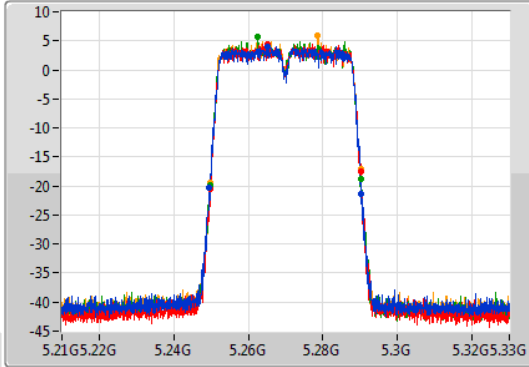
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

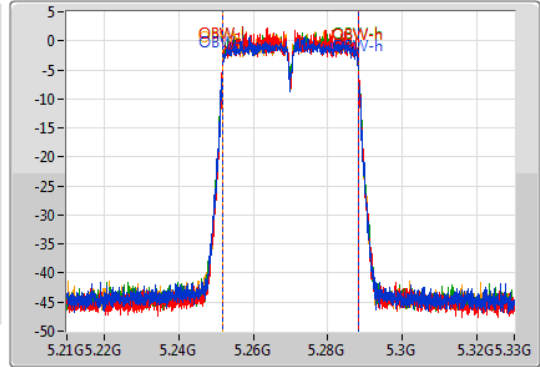
5270MHz

30/11/2019

CF  
5.27GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.27GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.24942G	5.29028G	36.402M	5.251769G	5.288171G	Inf	1
40.44M	5.24978G	5.29022G	36.342M	5.251829G	5.288171G	Inf	2
40.62M	5.24972G	5.29034G	36.342M	5.251769G	5.288111G	Inf	3
40.32M	5.24978G	5.2901G	36.282M	5.251829G	5.288111G	Inf	4

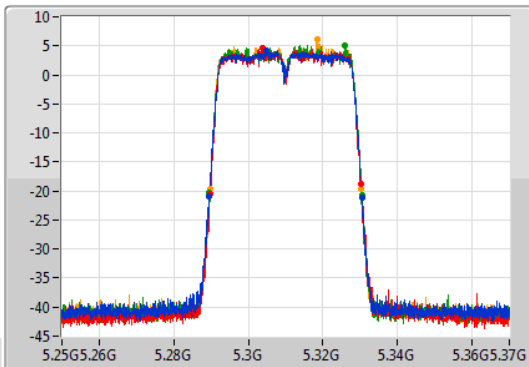
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5310MHz

30/11/2019

CF  
5.31GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.31GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.28942G	5.33052G	36.402M	5.291769G	5.328171G	Inf	1
40.68M	5.28966G	5.33034G	36.342M	5.291829G	5.328171G	Inf	2
40.98M	5.28954G	5.33052G	36.402M	5.291769G	5.328171G	Inf	3
40.56M	5.28978G	5.33034G	36.342M	5.291769G	5.328111G	Inf	4

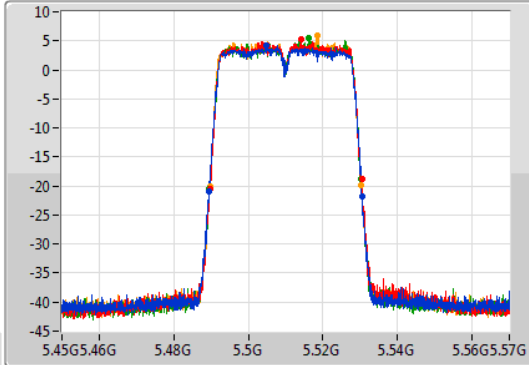
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

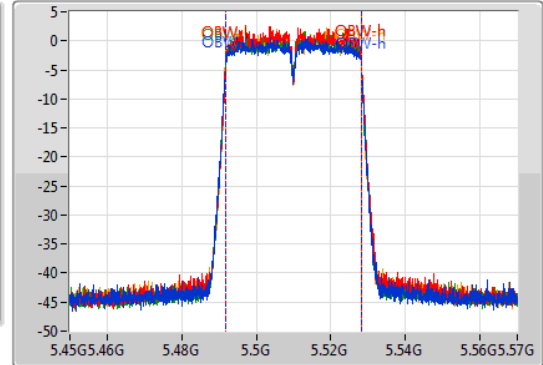
5510MHz

30/11/2019

CF: 5.51GHz  
 Span: 120MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.51GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]  
 Port 3: [Waveform icon]  
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.48948G	5.53058G	36.402M	5.491769G	5.528171G	Inf	1
40.74M	5.48966G	5.5304G	36.342M	5.491829G	5.528171G	Inf	2
40.8M	5.48954G	5.53034G	36.402M	5.491769G	5.528171G	Inf	3
40.68M	5.48966G	5.53034G	36.342M	5.491769G	5.528111G	Inf	4

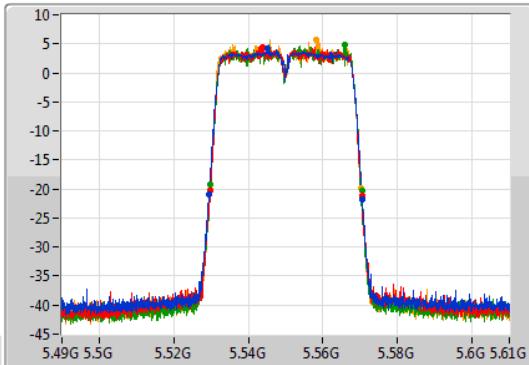
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

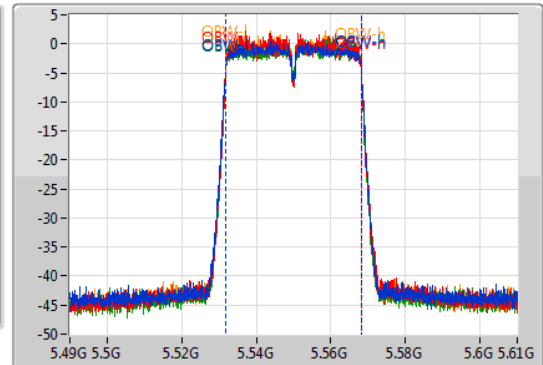
5550MHz

30/11/2019

CF: 5.55GHz  
 Span: 120MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.55GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]  
 Port 3: [Waveform icon]  
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.52942G	5.57052G	36.402M	5.531769G	5.568171G	Inf	1
40.86M	5.52972G	5.57058G	36.282M	5.531829G	5.568111G	Inf	2
40.74M	5.52972G	5.57046G	36.342M	5.531829G	5.568171G	Inf	3
40.56M	5.52978G	5.57034G	36.282M	5.531829G	5.568111G	Inf	4



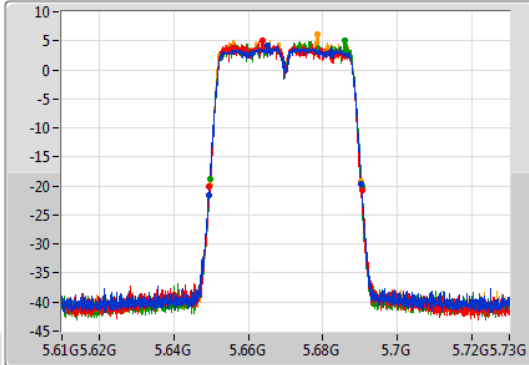
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

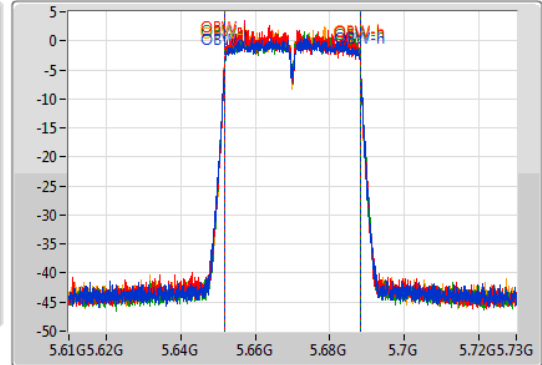
5670MHz

30/11/2019

CF  
5.67GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.67GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.64936G	5.69034G	36.402M	5.651769G	5.688171G	Inf	1
40.92M	5.64954G	5.69046G	36.282M	5.651829G	5.688111G	Inf	2
40.74M	5.64972G	5.69046G	36.402M	5.651769G	5.688171G	Inf	3
40.56M	5.64972G	5.69028G	36.342M	5.651769G	5.688111G	Inf	4

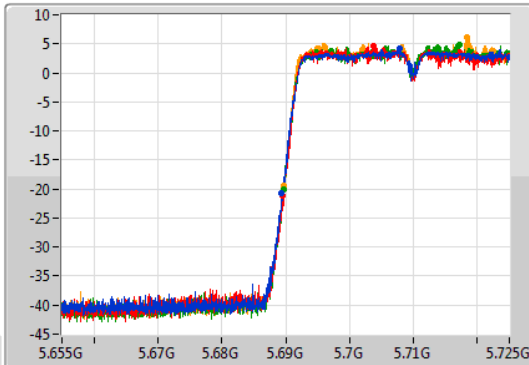
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

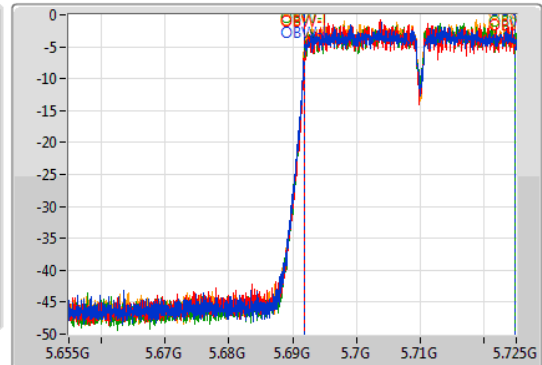
5710MHz Straddle 5.47-5.725GHz

30/11/2019

CF  
5.69GHz  
Span  
70MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.69GHz  
Span  
70MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.595M	5.689405G	5.725G	33.023M	5.691819G	5.724843G	Inf	1
35.455M	5.689545G	5.725G	32.954M	5.691854G	5.724808G	Inf	2
35.385M	5.689615G	5.725G	32.954M	5.691854G	5.724808G	Inf	3
35.28M	5.68972G	5.725G	32.989M	5.691819G	5.724808G	Inf	4



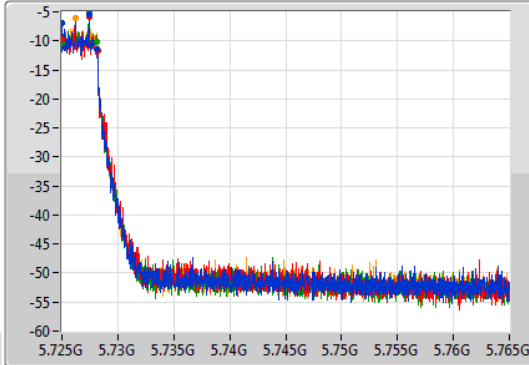
802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

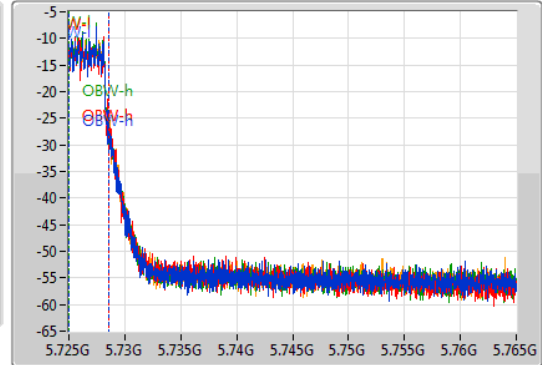
5710MHz Straddle 5.725-5.85GHz

30/11/2019

CF  
5.745GHz  
Span  
40MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.745GHz  
Span  
40MHz  
RBW  
50kHz  
VBW  
200kHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.538M	5.72501G	5.728548G	500k	1
3.22M	5.725G	5.72822G	3.558M	5.72501G	5.728568G	500k	2
3.12M	5.725G	5.72812G	3.518M	5.72501G	5.728528G	500k	3
3.14M	5.725G	5.72814G	3.538M	5.72501G	5.728548G	500k	4

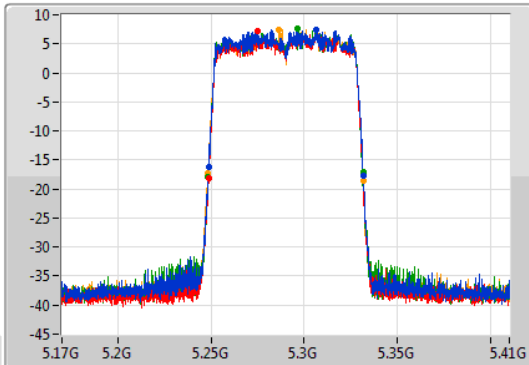
802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

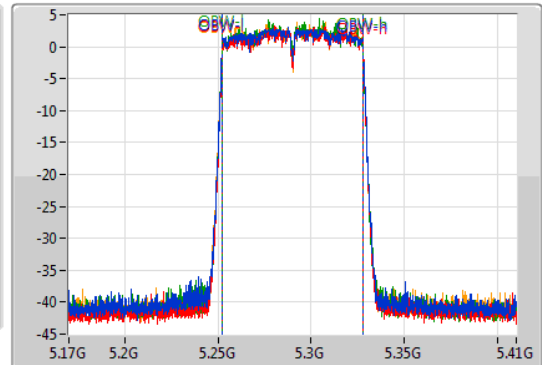
5290MHz

30/11/2019

CF  
5.29GHz  
Span  
240MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.29GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.04M	5.2486G	5.33164G	75.802M	5.252099G	5.327901G	Inf	1
82.8M	5.24872G	5.33152G	75.682M	5.252219G	5.327901G	Inf	2
83.04M	5.24848G	5.33152G	75.562M	5.252219G	5.327781G	Inf	3
83.28M	5.24824G	5.33152G	75.682M	5.252219G	5.327901G	Inf	4

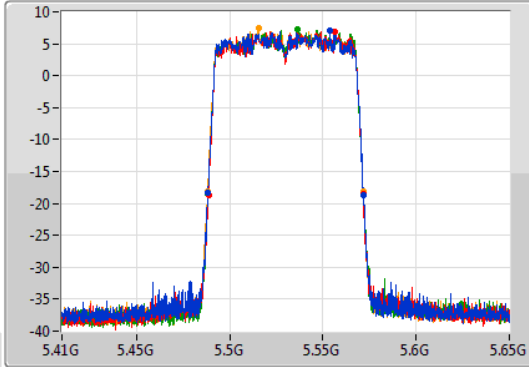
802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

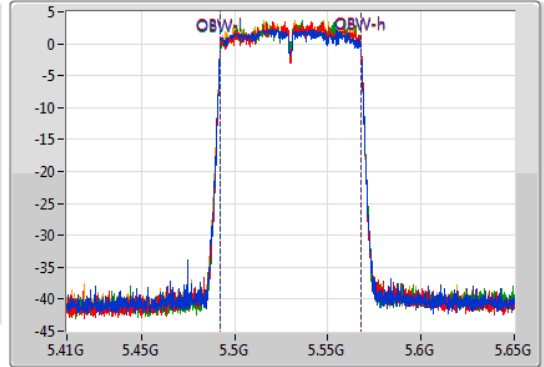
5530MHz

30/11/2019

CF  
5.53GHz  
Span  
240MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.48836G	5.57176G	75.682M	5.492099G	5.567781G	Inf	1
83.04M	5.4886G	5.57164G	75.682M	5.492219G	5.567901G	Inf	2
83.16M	5.48848G	5.57164G	75.682M	5.492219G	5.567901G	Inf	3
83.52M	5.48812G	5.57164G	75.682M	5.492099G	5.567781G	Inf	4

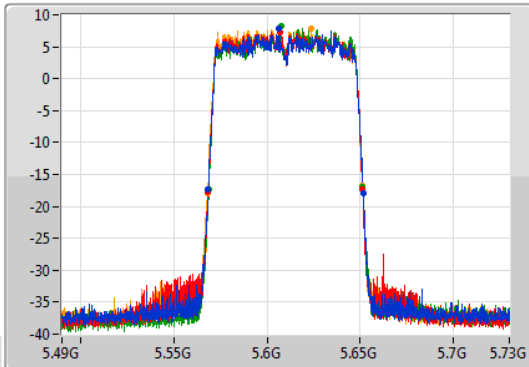
802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

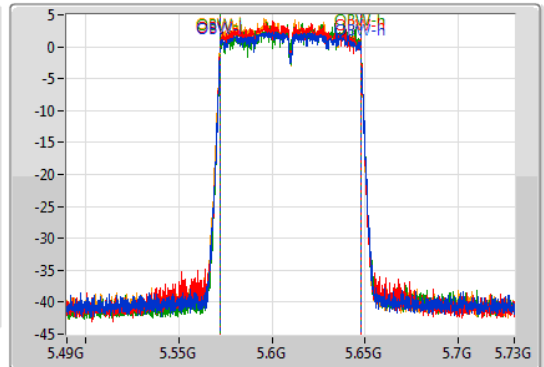
5610MHz

30/11/2019

CF  
5.61GHz  
Span  
240MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.61GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

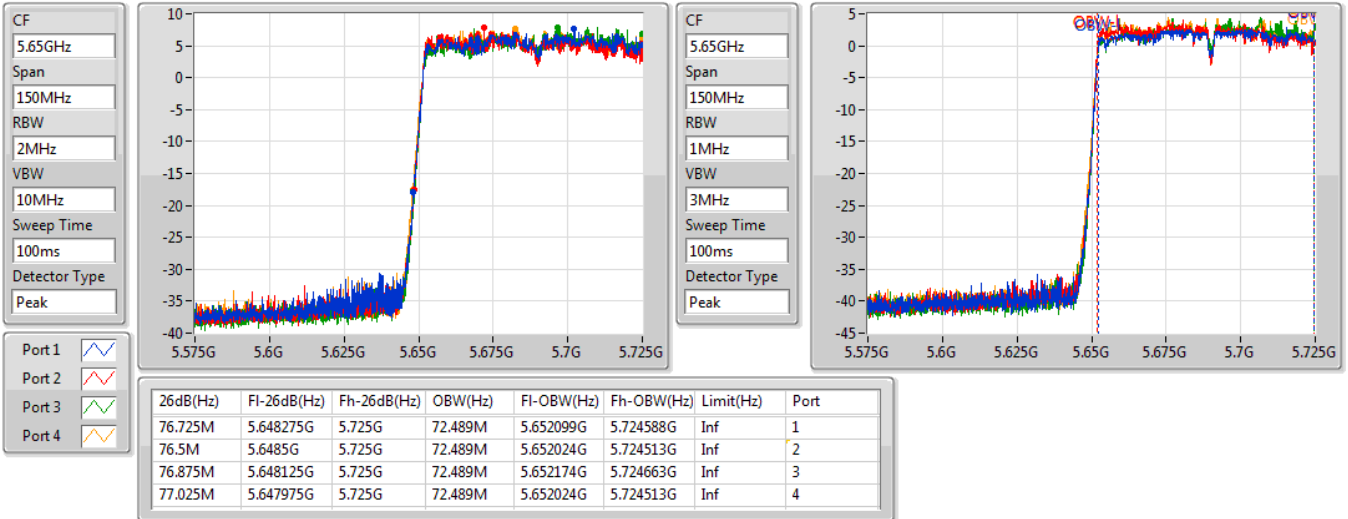
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	5.56848G	5.65164G	75.682M	5.572099G	5.647781G	Inf	1
82.92M	5.56848G	5.6514G	75.682M	5.572099G	5.647781G	Inf	2
82.68M	5.56872G	5.6514G	75.562M	5.572219G	5.647781G	Inf	3
83.4M	5.568G	5.6514G	75.562M	5.572099G	5.647661G	Inf	4

802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/11/2019

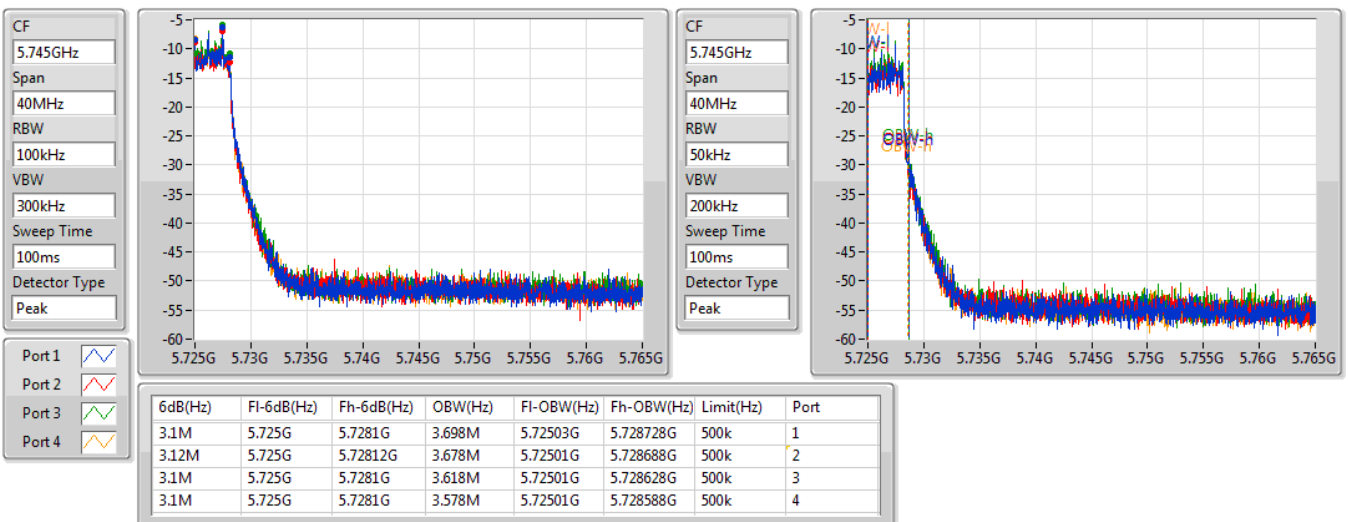


802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/11/2019

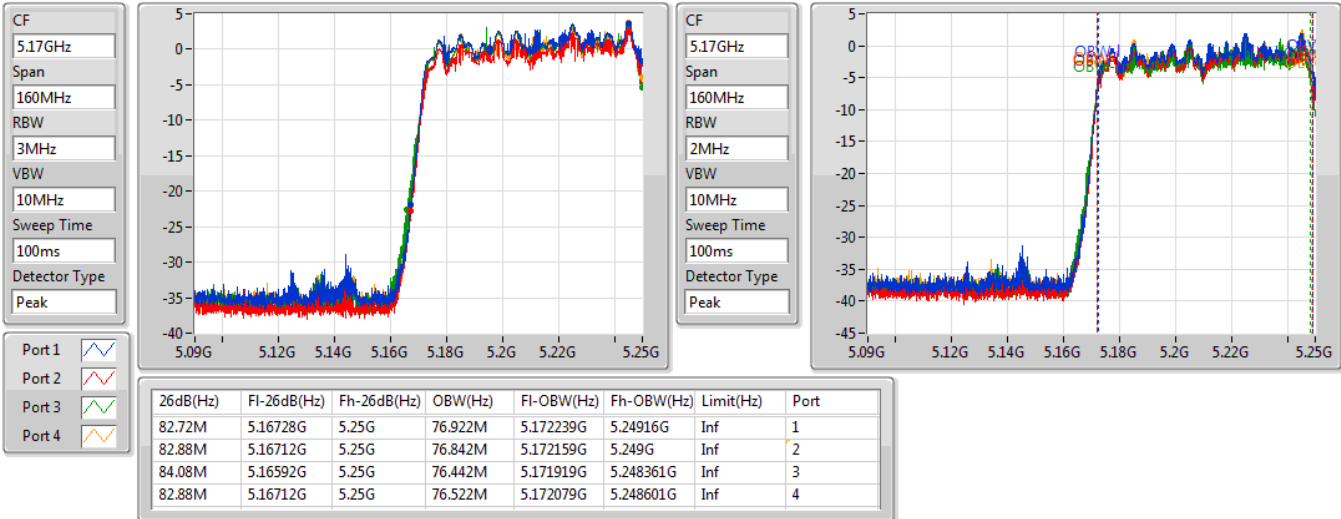


802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/11/2019

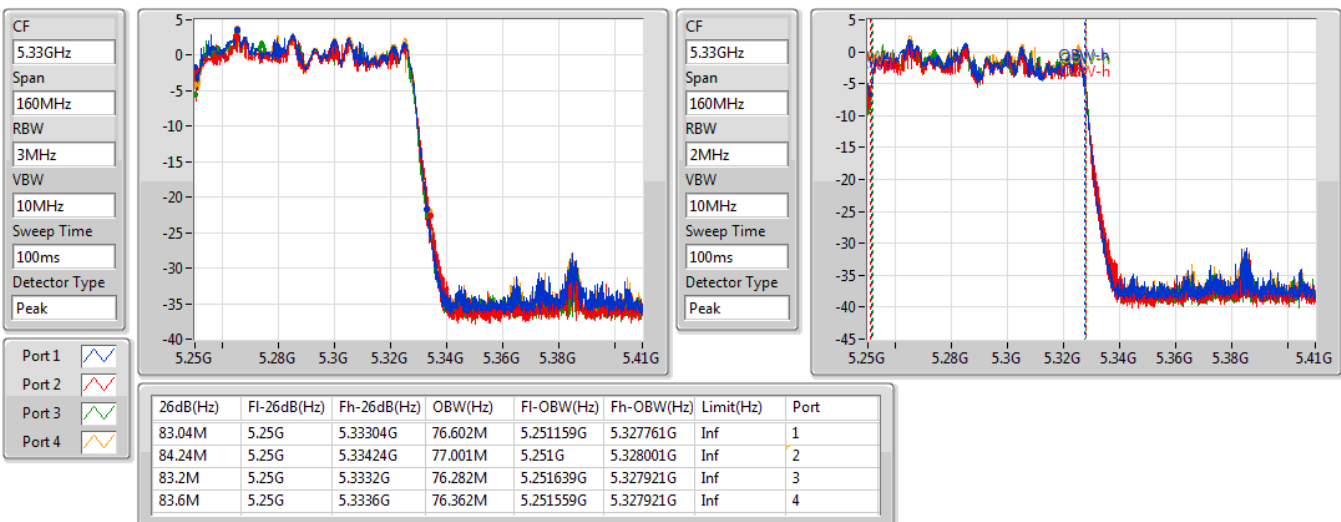


802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/11/2019



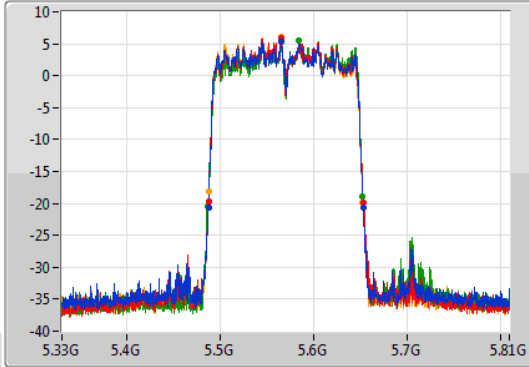
802.11ac VHT160\_Nss1,(MCS0)\_4TX

EBW

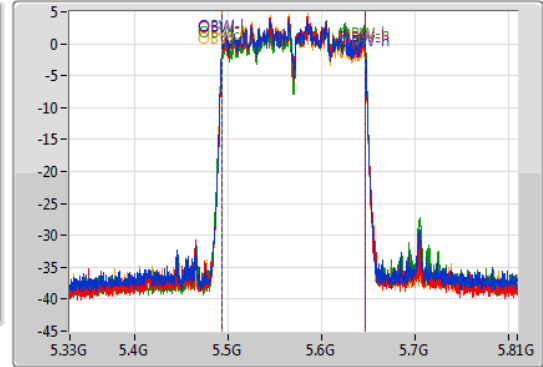
5570MHz

30/11/2019

CF  
5.57GHz  
Span  
480MHz  
RBW  
3MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.57GHz  
Span  
480MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.84M	5.4872G	5.65304G	154.243M	5.492759G	5.647001G	Inf	1
166.08M	5.48744G	5.65352G	154.003M	5.492999G	5.647001G	Inf	2
166.56M	5.48624G	5.6528G	154.243M	5.492999G	5.647241G	Inf	3
165.36M	5.48744G	5.6528G	154.003M	5.492759G	5.646762G	Inf	4

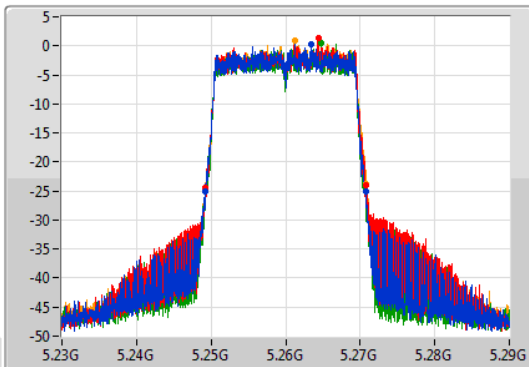
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

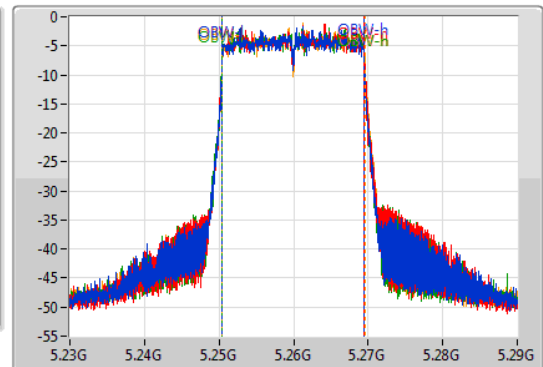
5260MHz

30/11/2019

CF  
5.26GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.26GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.24917G	5.27071G	18.981M	5.250465G	5.269445G	Inf	1
21.57M	5.24926G	5.27083G	19.04M	5.250465G	5.269505G	Inf	2
21.51M	5.2492G	5.27071G	19.07M	5.250435G	5.269505G	Inf	3
21.72M	5.24914G	5.27086G	19.07M	5.250465G	5.269535G	Inf	4

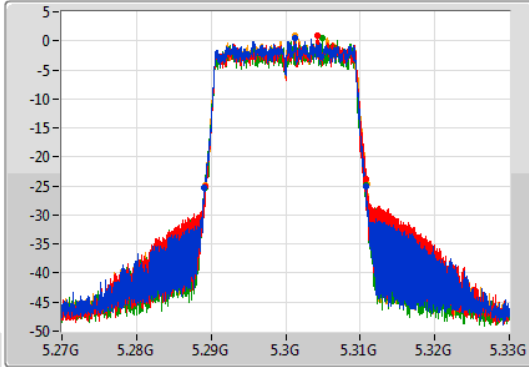
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

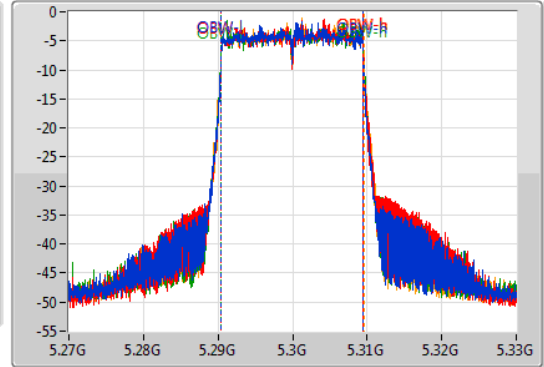
5300MHz

30/11/2019

CF  
5.3GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.28908G	5.31071G	18.981M	5.290465G	5.309445G	Inf	1
21.63M	5.2892G	5.31083G	19.04M	5.290465G	5.309505G	Inf	2
21.66M	5.28914G	5.3108G	19.07M	5.290435G	5.309505G	Inf	3
21.75M	5.28917G	5.31092G	19.07M	5.290465G	5.309535G	Inf	4

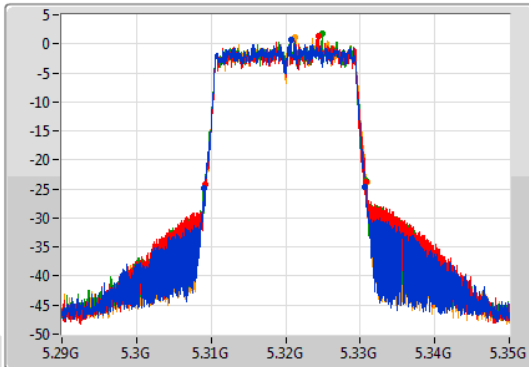
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

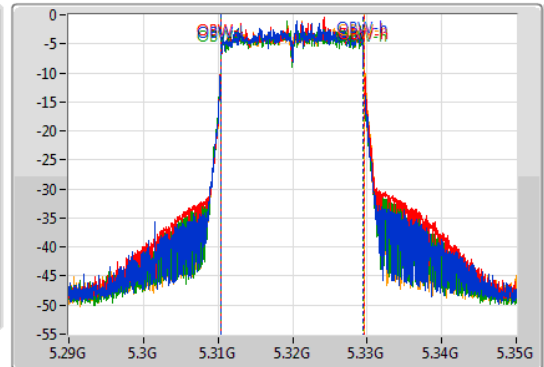
5320MHz

30/11/2019

CF  
5.32GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.30911G	5.33068G	19.01M	5.310435G	5.329445G	Inf	1
21.57M	5.30926G	5.33083G	19.1M	5.310465G	5.329565G	Inf	2
21.51M	5.30923G	5.33074G	19.07M	5.310435G	5.329505G	Inf	3
21.72M	5.30917G	5.33089G	19.13M	5.310465G	5.329595G	Inf	4

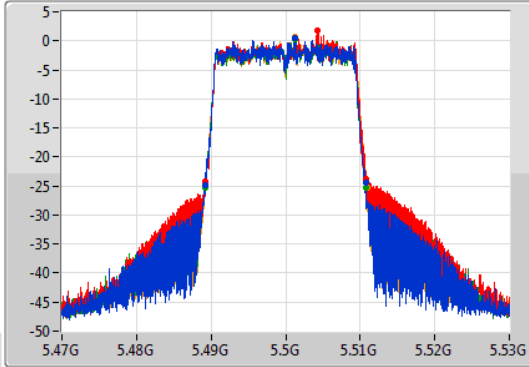
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

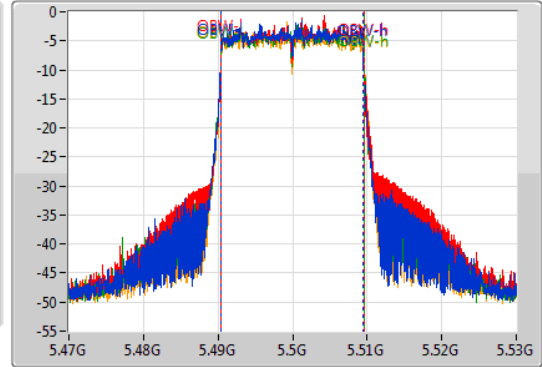
5500MHz

30/11/2019

CF  
5.5GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.48914G	5.51071G	19.04M	5.490435G	5.509475G	Inf	1
21.57M	5.48926G	5.51083G	19.07M	5.490465G	5.509535G	Inf	2
21.63M	5.48917G	5.5108G	19.1M	5.490435G	5.509535G	Inf	3
21.78M	5.48914G	5.51092G	19.07M	5.490465G	5.509535G	Inf	4

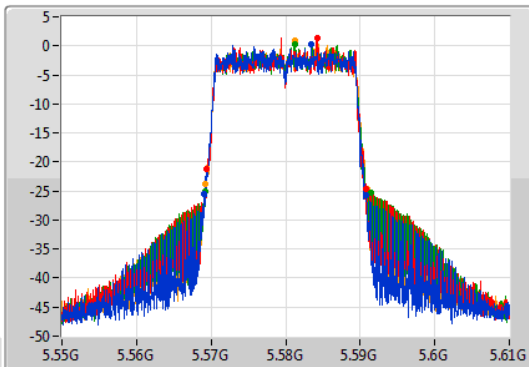
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

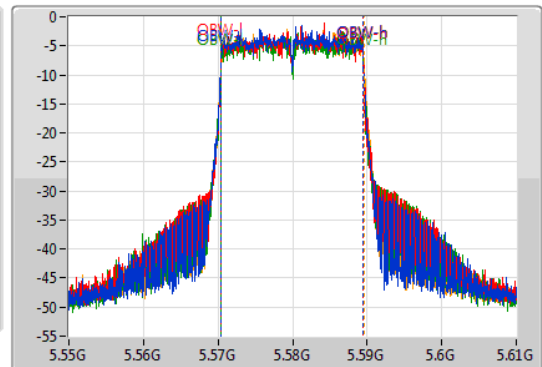
5580MHz

30/11/2019

CF  
5.58GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

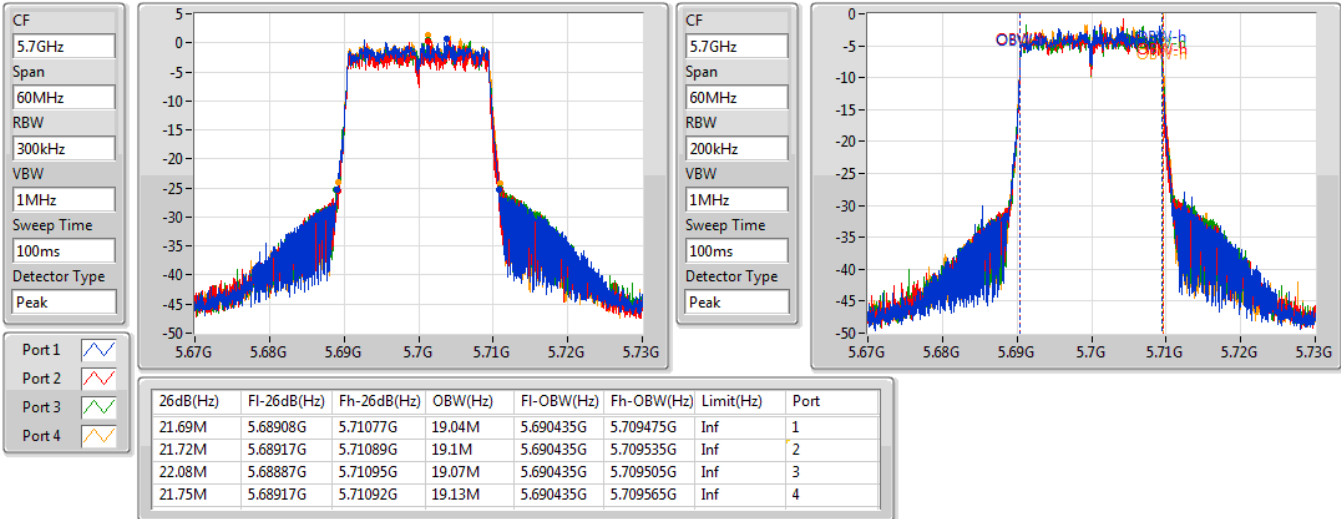
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.56911G	5.5908G	19.01M	5.570435G	5.589445G	Inf	1
21.51M	5.56935G	5.59086G	19.04M	5.570465G	5.589505G	Inf	2
22.29M	5.56917G	5.59146G	19.1M	5.570405G	5.589505G	Inf	3
21.66M	5.56923G	5.59089G	19.1M	5.570435G	5.589535G	Inf	4

802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5700MHz

30/11/2019

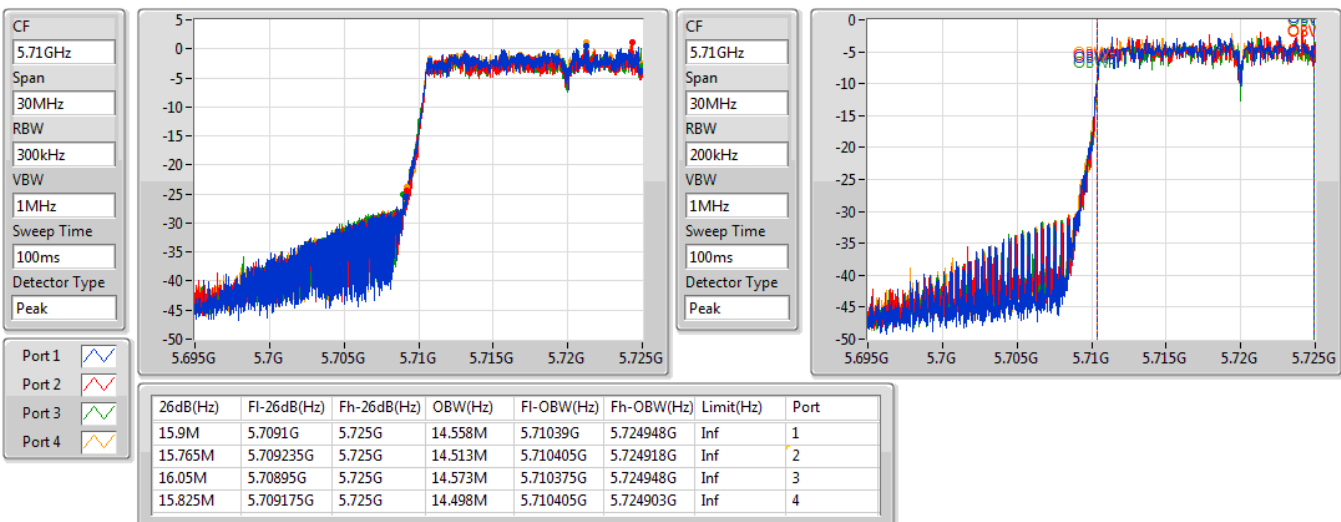


802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/11/2019





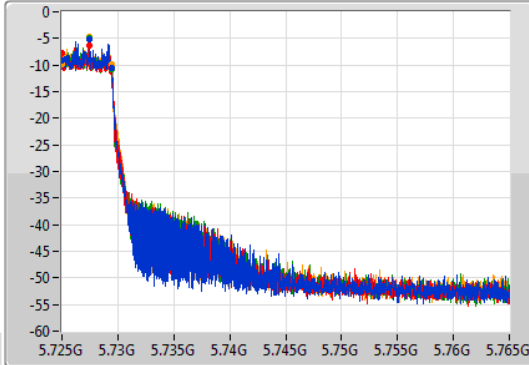
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

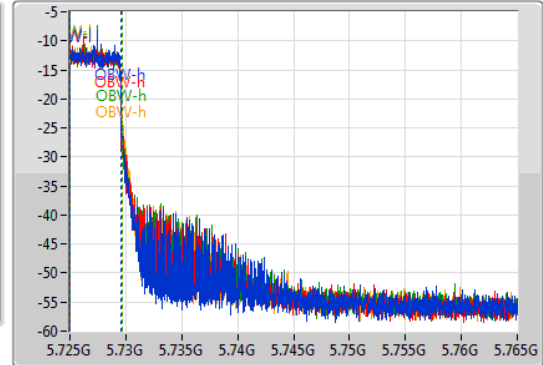
5720MHz Straddle 5.725-5.85GHz

30/11/2019

CF  
5.745GHz  
Span  
40MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.745GHz  
Span  
40MHz  
RBW  
50kHz  
VBW  
200kHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.538M	5.72503G	5.729568G	500k	1
4.46M	5.725G	5.72946G	4.558M	5.72503G	5.729588G	500k	2
4.44M	5.725G	5.72944G	4.598M	5.72503G	5.729628G	500k	3
4.44M	5.725G	5.72944G	4.618M	5.72503G	5.729648G	500k	4

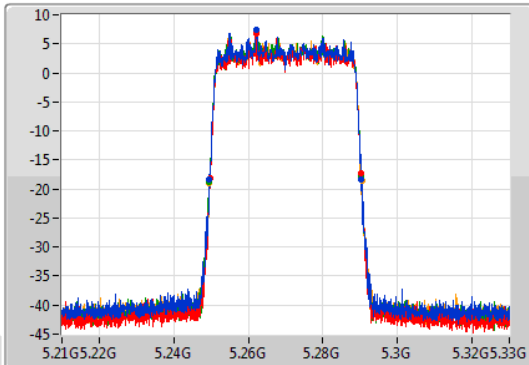
802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

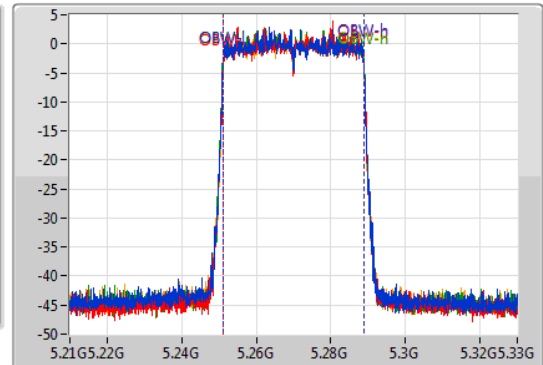
5270MHz

30/11/2019

CF  
5.27GHz  
Span  
120MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.27GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.24942G	5.29016G	37.541M	5.251229G	5.288771G	Inf	1
40.68M	5.24966G	5.29034G	37.541M	5.251229G	5.288771G	Inf	2
40.92M	5.24942G	5.29034G	37.601M	5.251169G	5.288771G	Inf	3
40.92M	5.24954G	5.29046G	37.541M	5.251229G	5.288771G	Inf	4