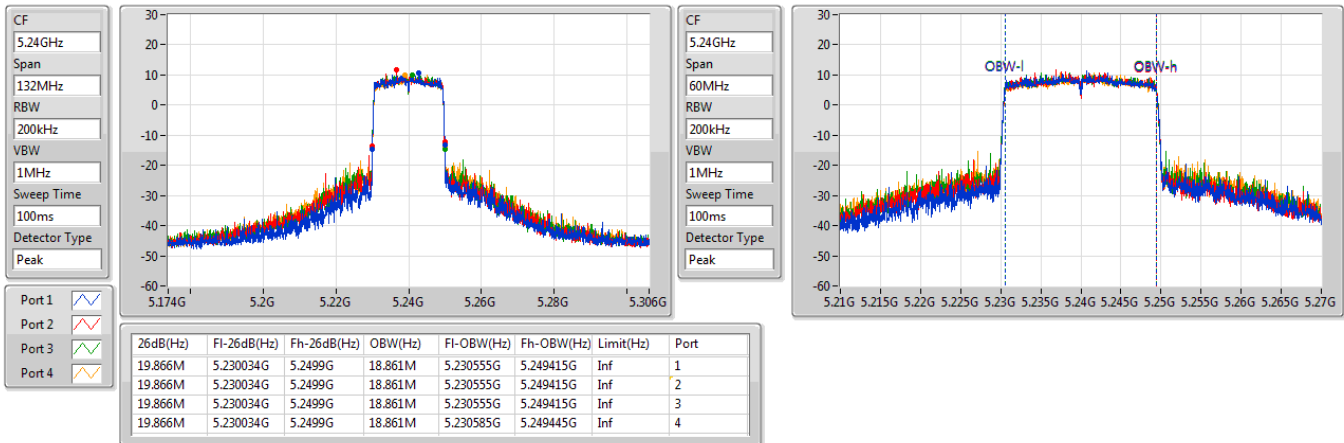




5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

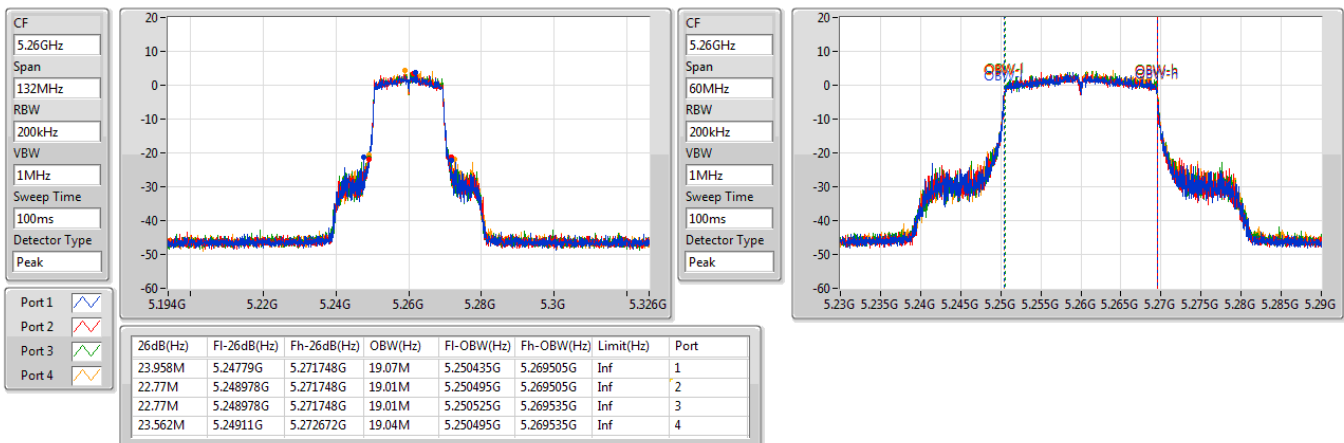
5240MHz



5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

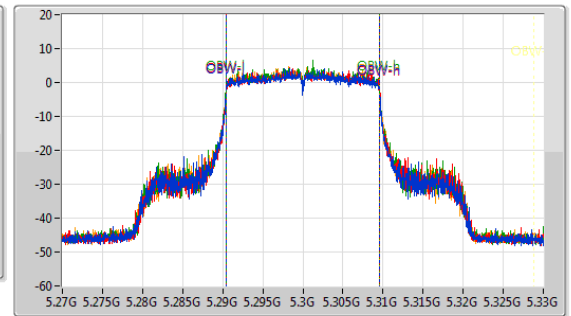
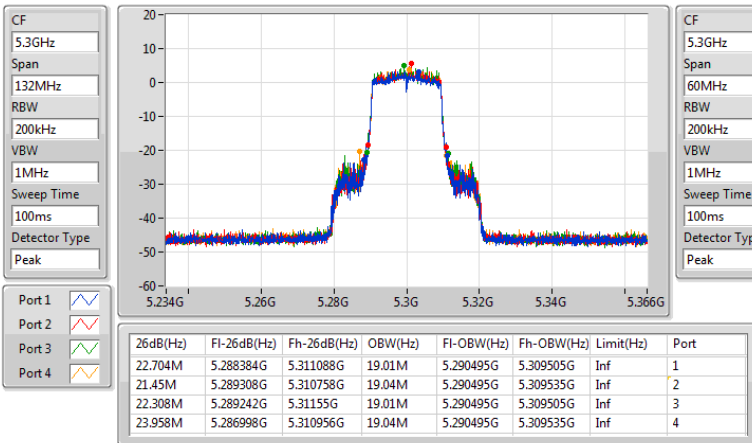




5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

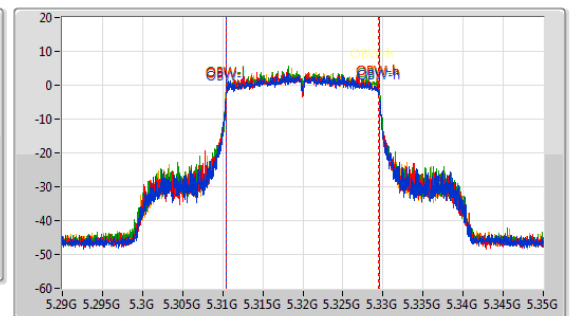
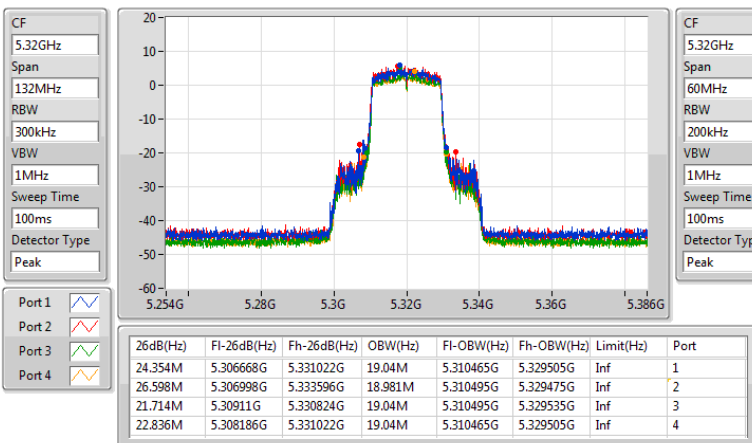
5300MHz



5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

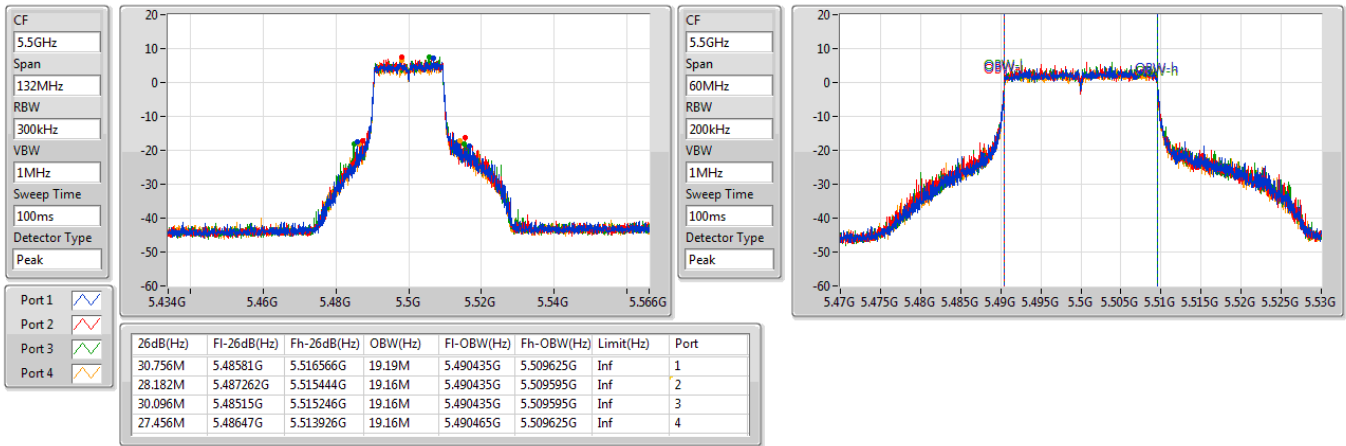




5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

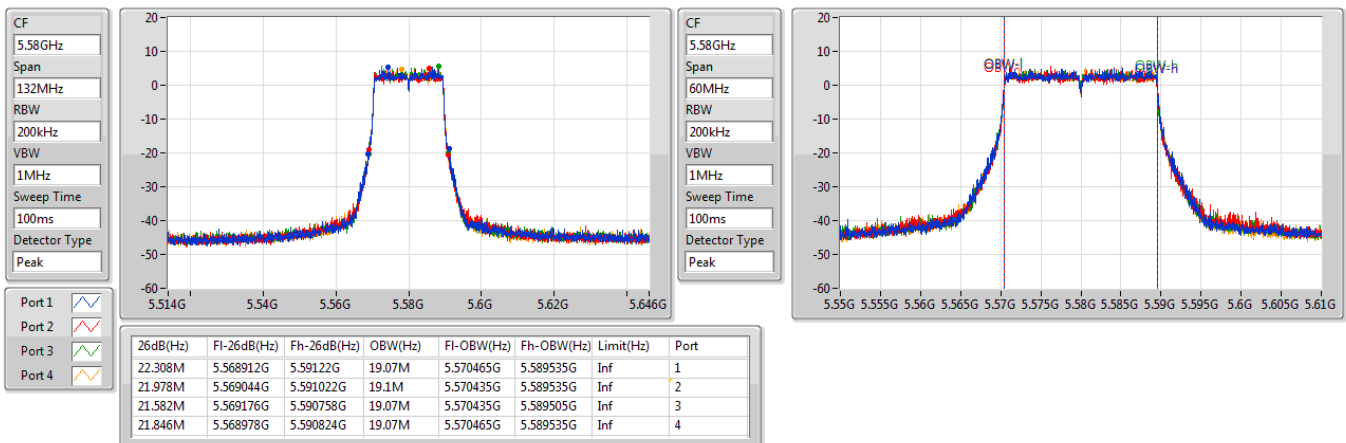
5500MHz



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

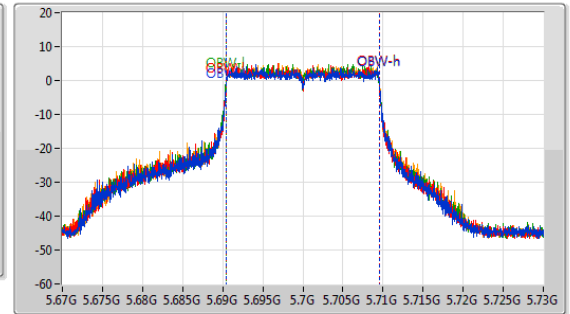
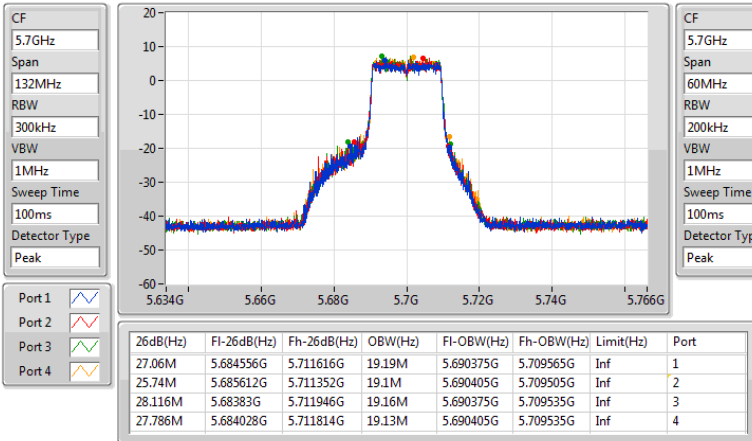




5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

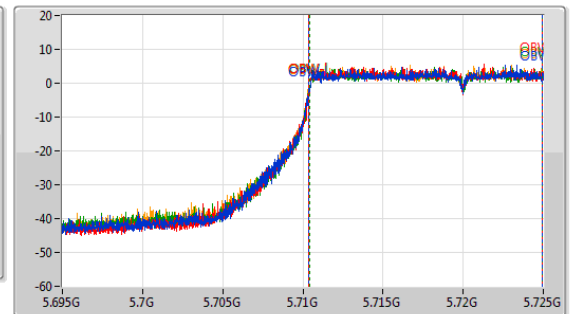
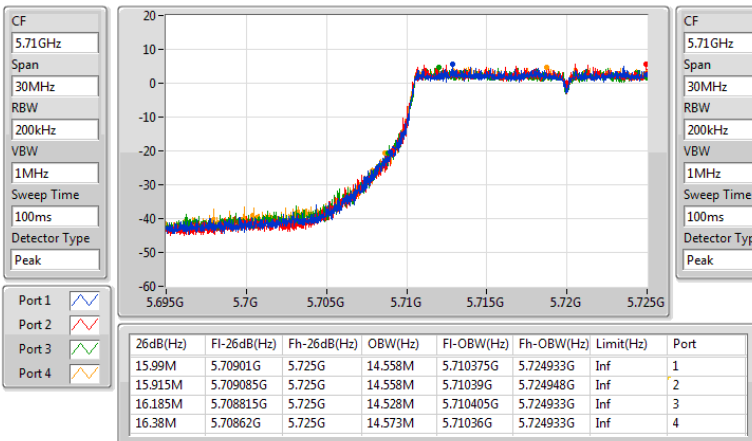
5700MHz



5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

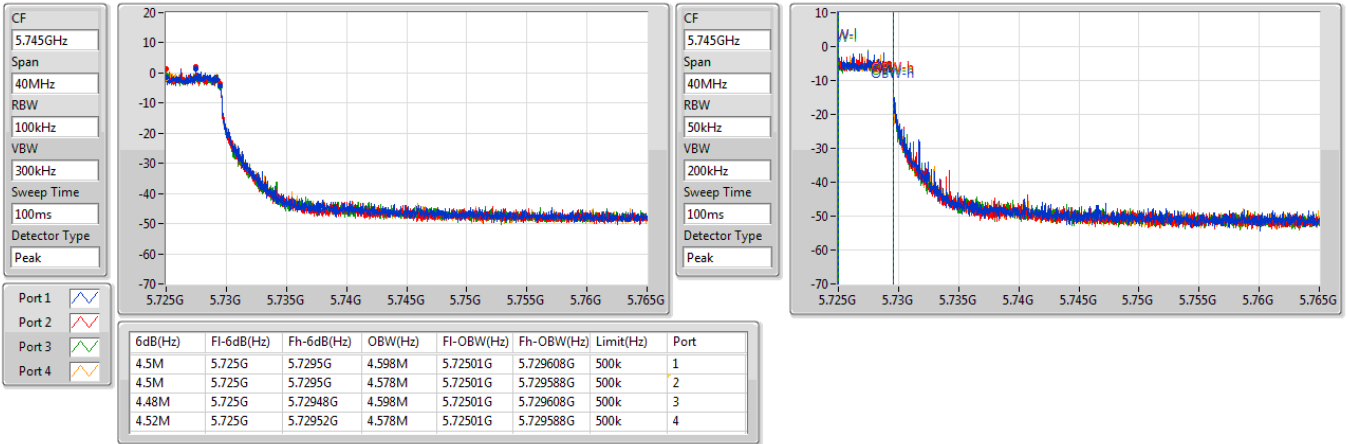
5720MHz Straddle 5.47-5.725GHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

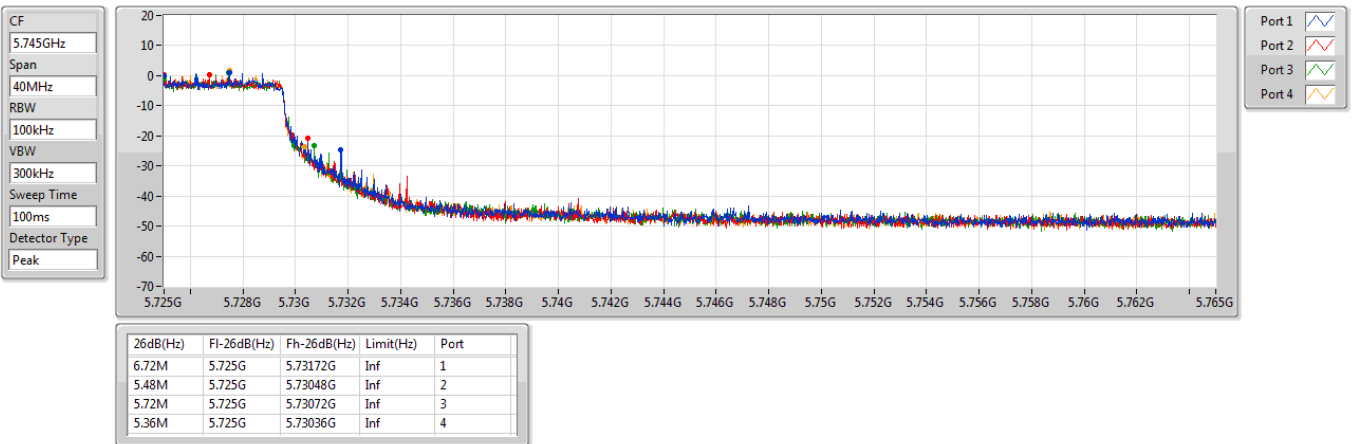
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

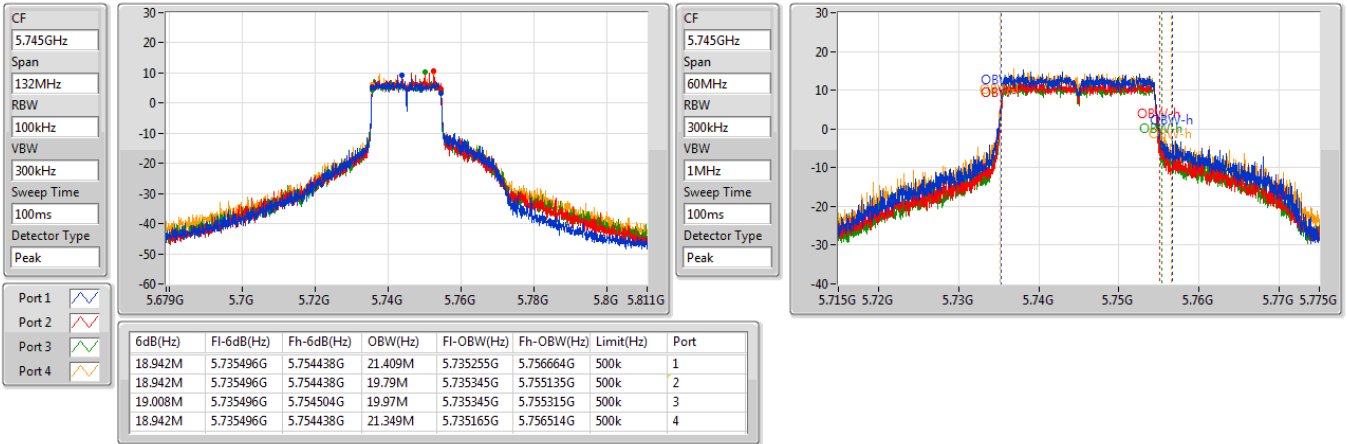




5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

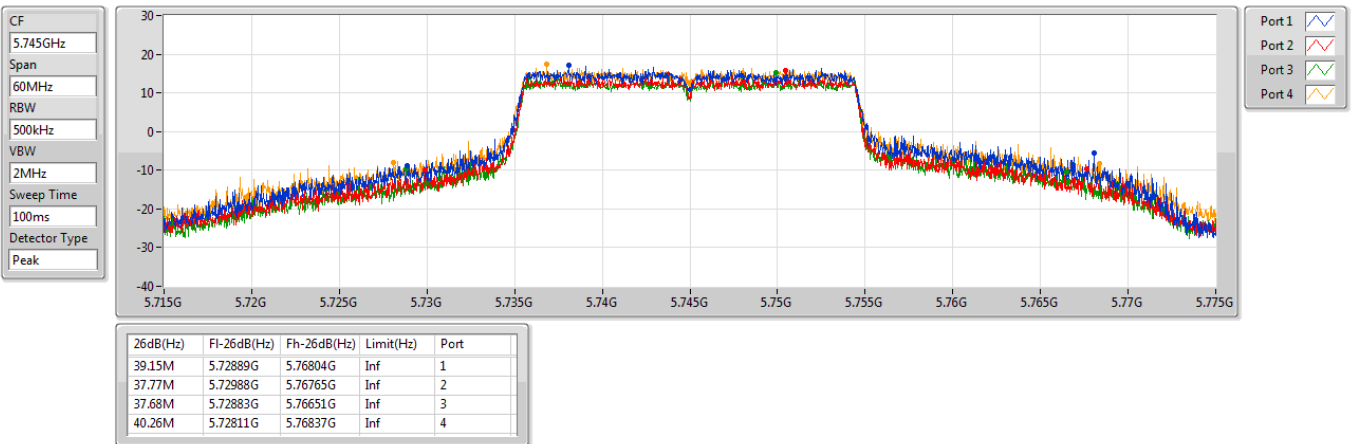
5745MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz





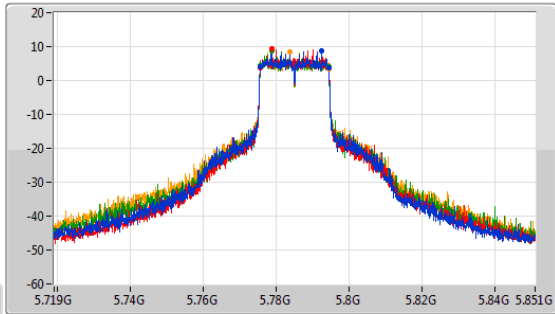
5.725-5.85GHz_802.11ax_HEW20_Nss1_(MCS0)_4TX

EBW

5785MHz

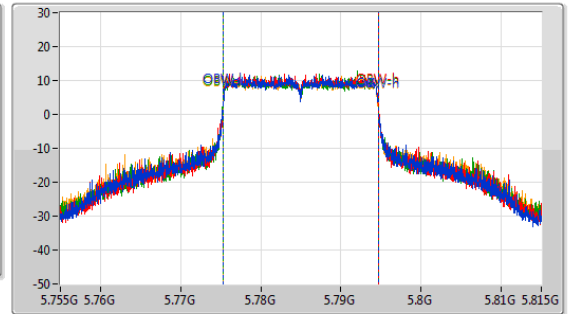
CF
5.785GHz
Span
132MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

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
19.008M	5.775496G	5.794504G	19.37M	5.775285G	5.794655G	500k	1
18.942M	5.775496G	5.794438G	19.31M	5.775345G	5.794655G	500k	2
18.942M	5.775496G	5.794438G	19.34M	5.775315G	5.794655G	500k	3
19.074M	5.77543G	5.794504G	19.49M	5.775255G	5.794745G	500k	4

CF
5.785GHz
Span
60MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

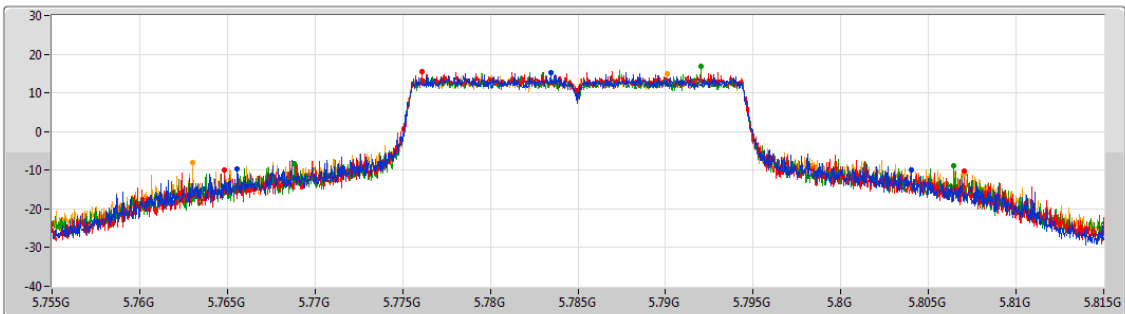


5.725-5.85GHz_802.11ax_HEW20_Nss1_(MCS0)_4TX

EBW

5785MHz

CF
5.785GHz
Span
60MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
38.46M	5.76556G	5.80402G	Inf	1
42.21M	5.76484G	5.80705G	Inf	2
37.62M	5.76883G	5.80645G	Inf	3
44.01M	5.76304G	5.80705G	Inf	4

Port 1
Port 2
Port 3
Port 4



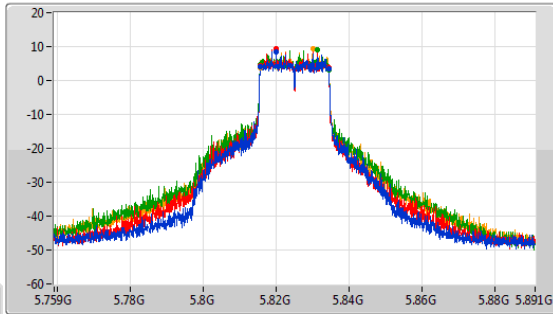
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

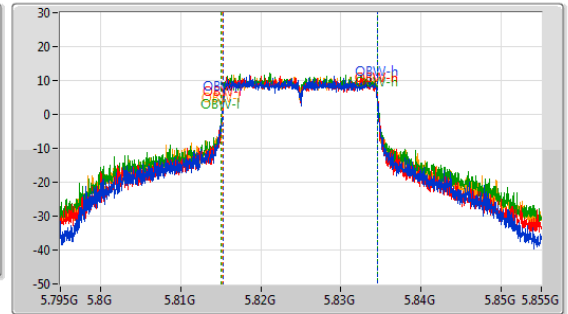
CF
5.825GHz
Span
132MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

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
18.942M	5.815496G	5.834438G	19.28M	5.815255G	5.834535G	500k	1
18.81M	5.815562G	5.834372G	19.25M	5.815285G	5.834535G	500k	2
18.942M	5.815496G	5.834438G	19.58M	5.815015G	5.834595G	500k	3
19.008M	5.81543G	5.834438G	19.46M	5.815135G	5.834595G	500k	4

CF
5.825GHz
Span
60MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

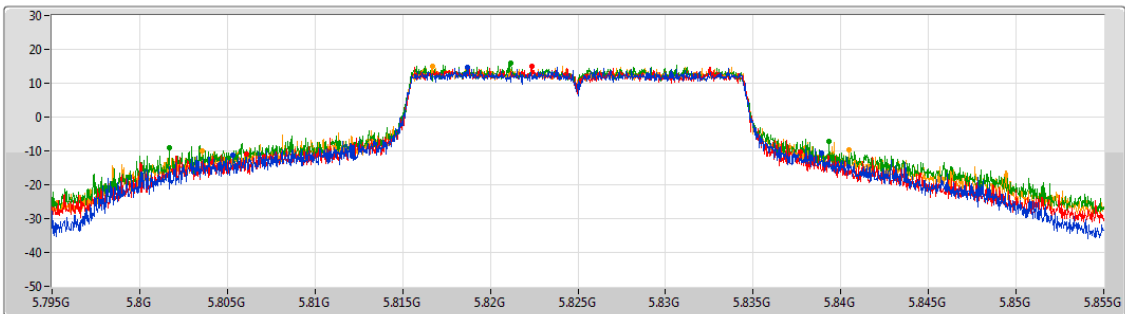


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

CF
5.825GHz
Span
60MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
33.6M	5.80532G	5.83892G	Inf	1
31.62M	5.8061G	5.83772G	Inf	2
37.65M	5.80169G	5.83934G	Inf	3
36.87M	5.80358G	5.84045G	Inf	4

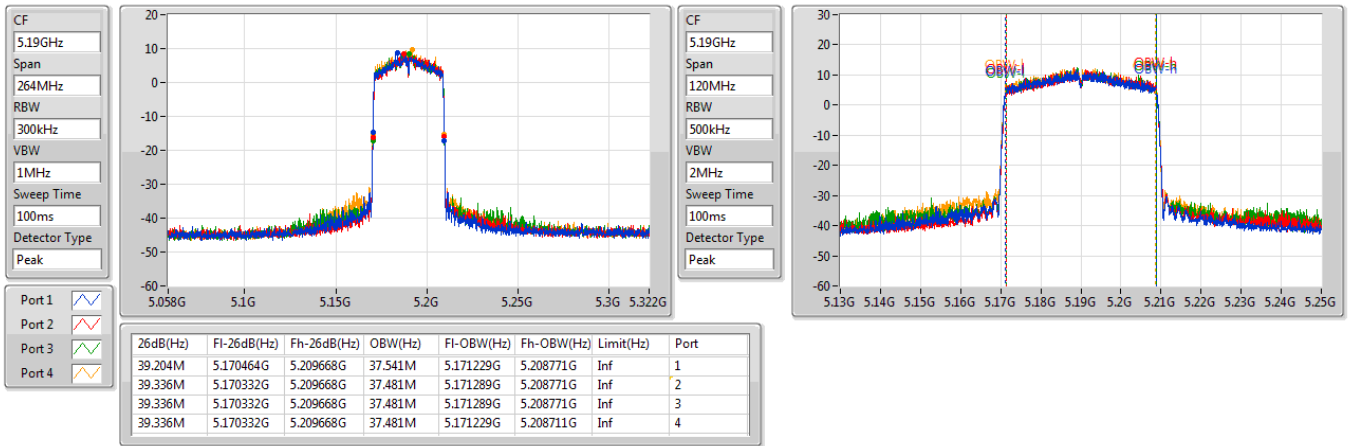
Port 1
Port 2
Port 3
Port 4



5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

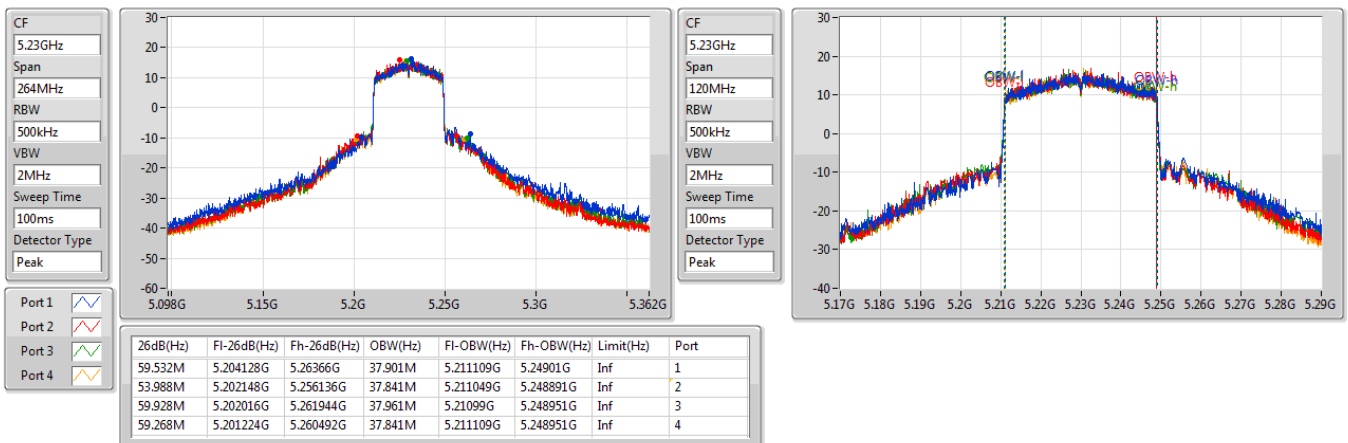
5190MHz



5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

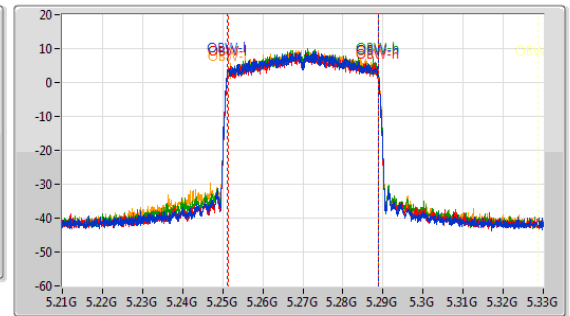
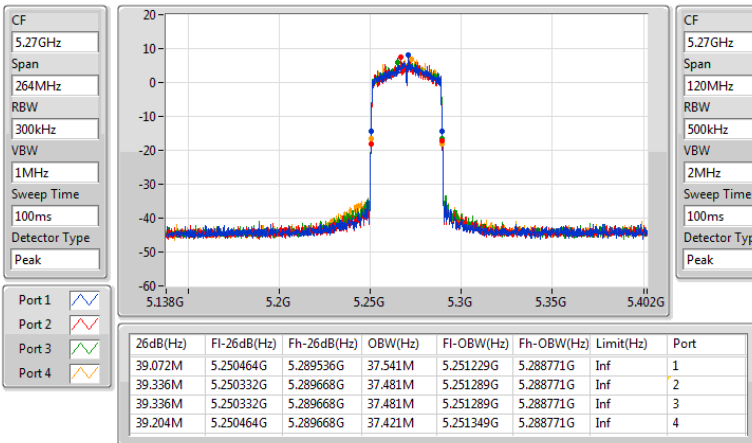




5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

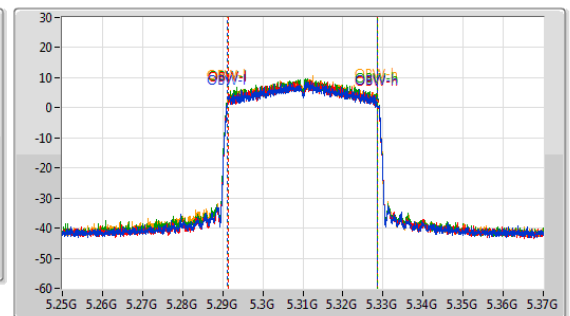
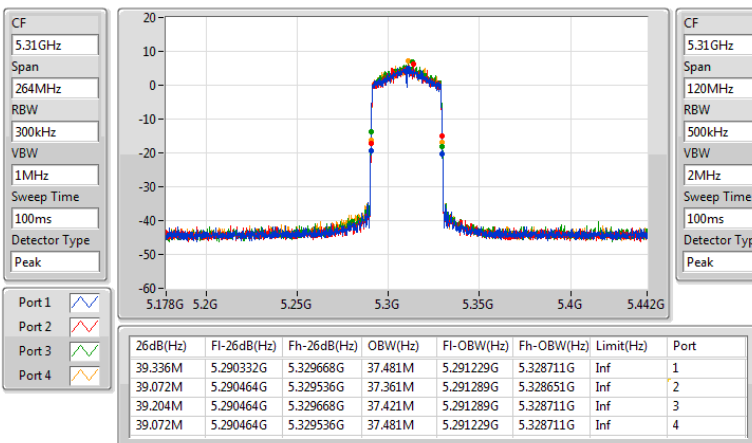
5270MHz



5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

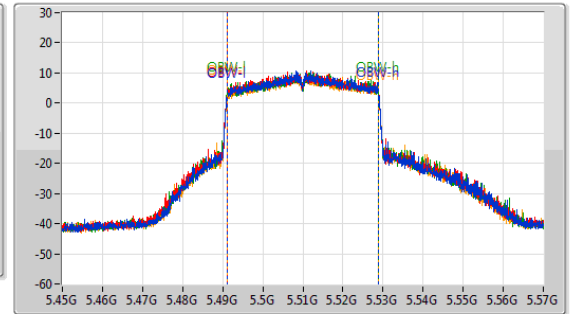
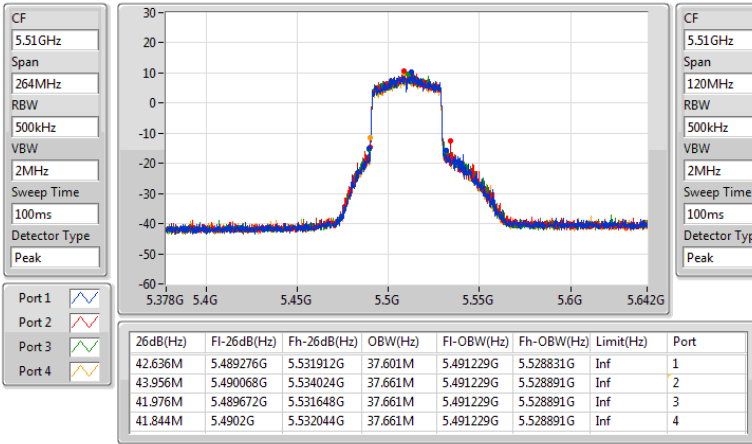




5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

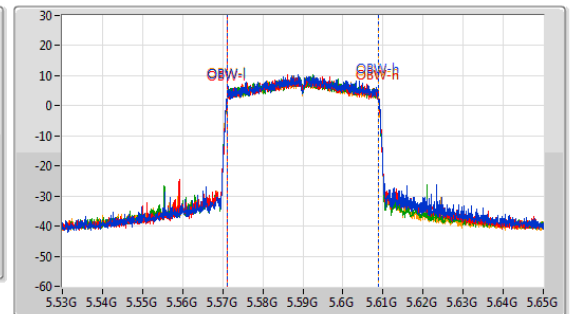
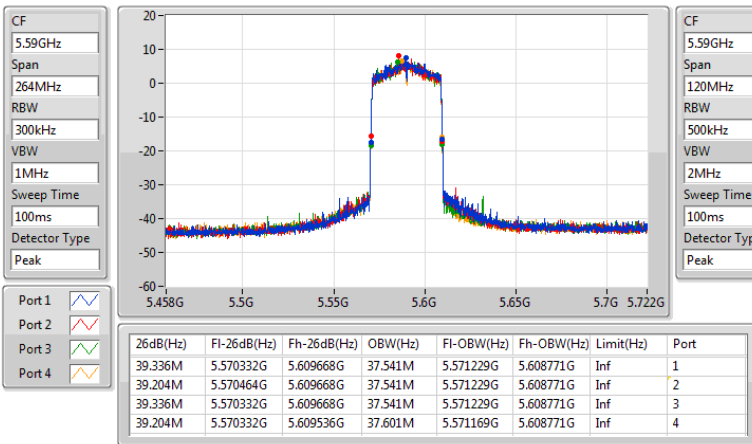
5510MHz



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5590MHz

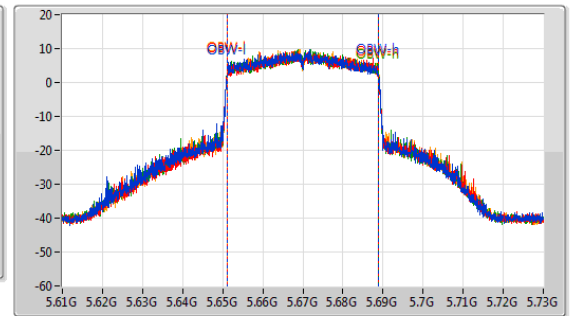
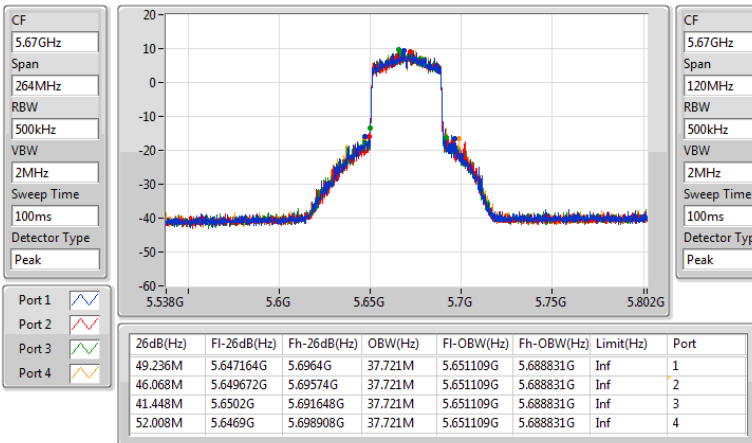




5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

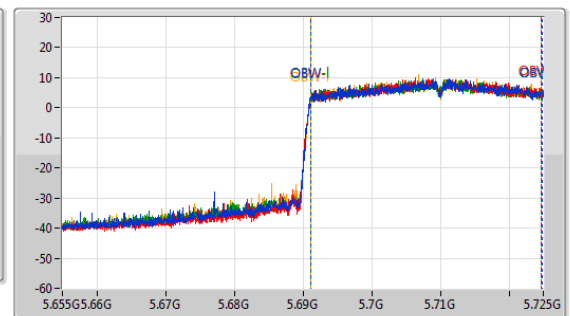
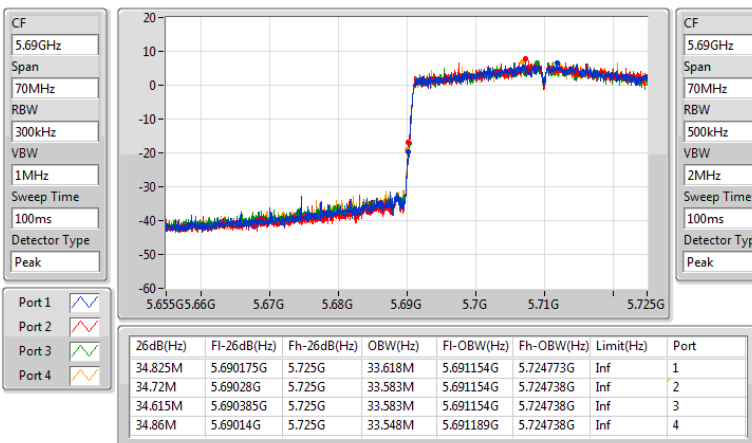
5670MHz



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

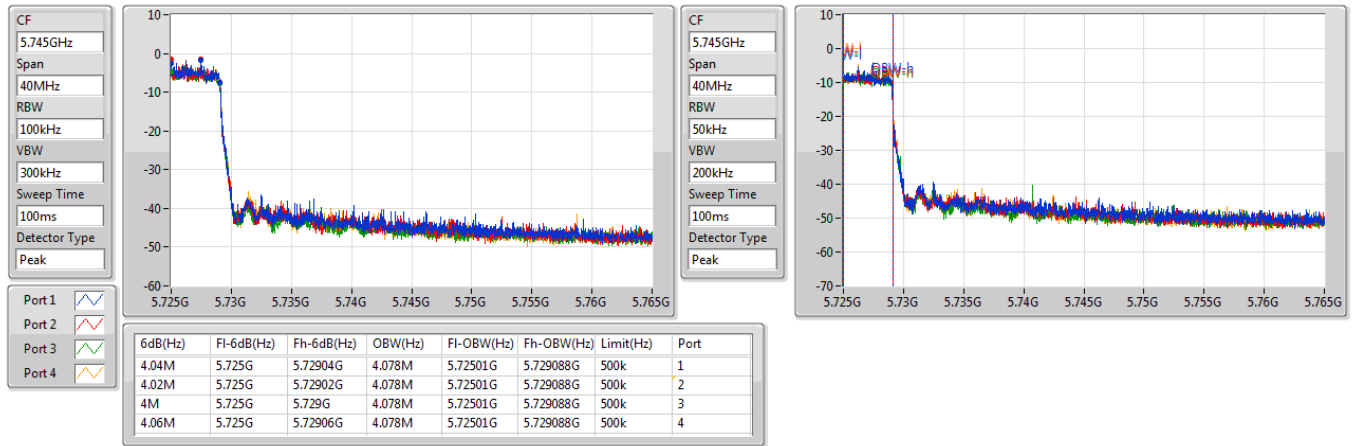




5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

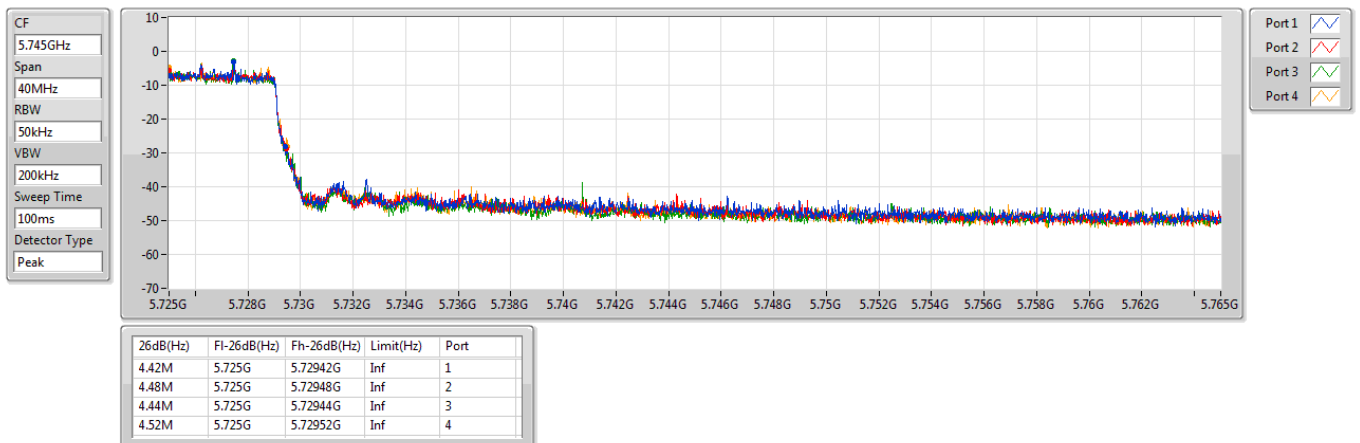
5710MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

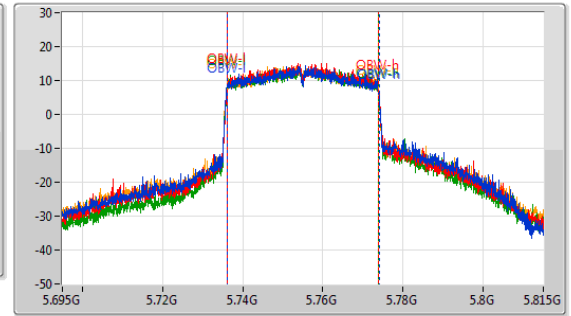
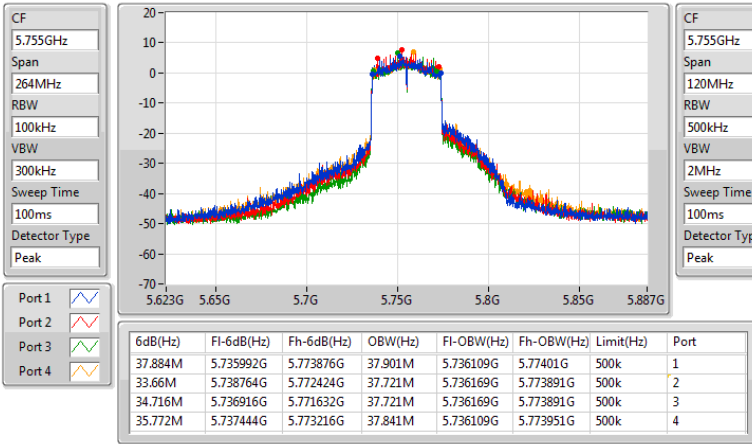




5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

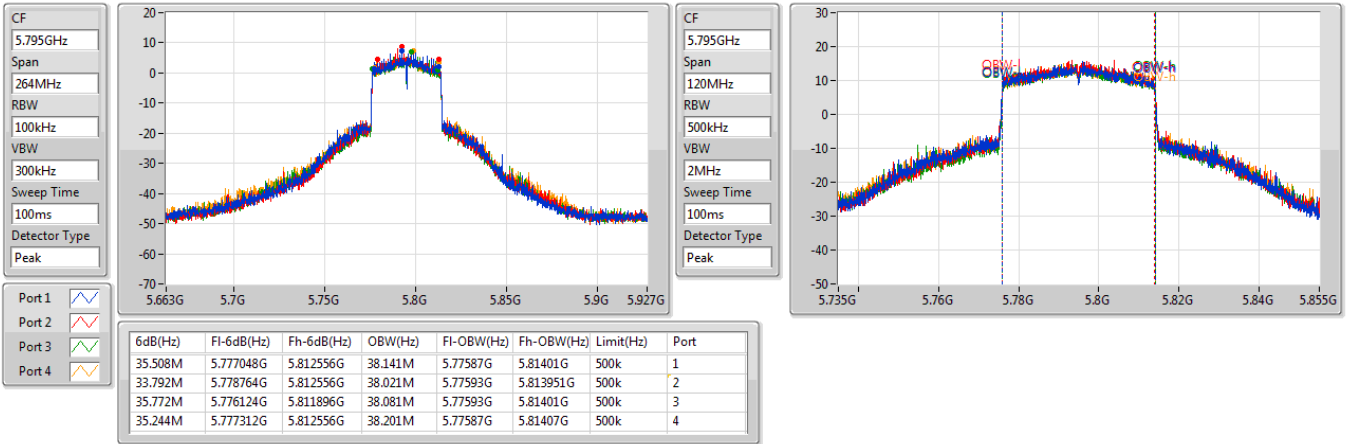




5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

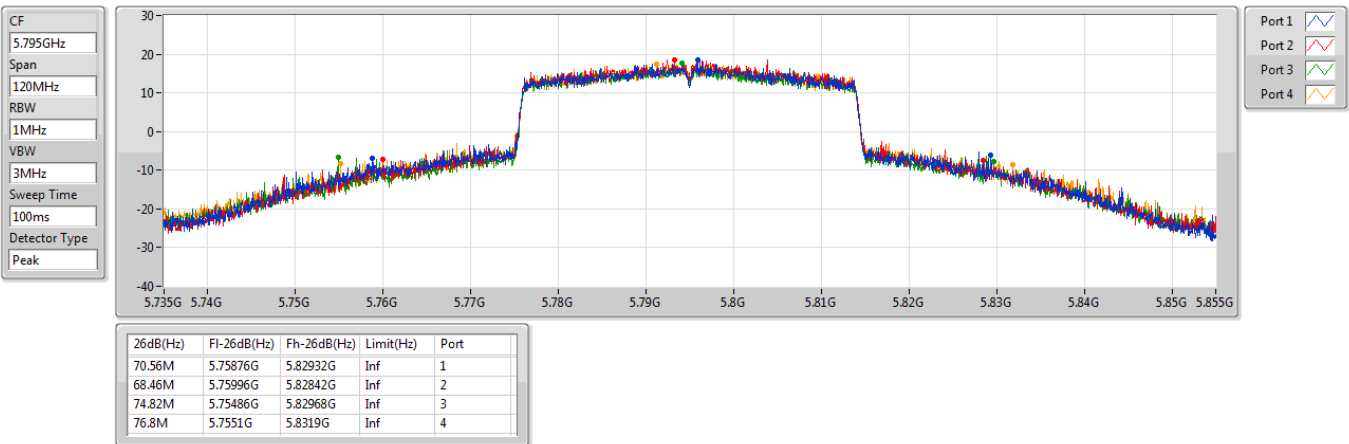
5795MHz



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

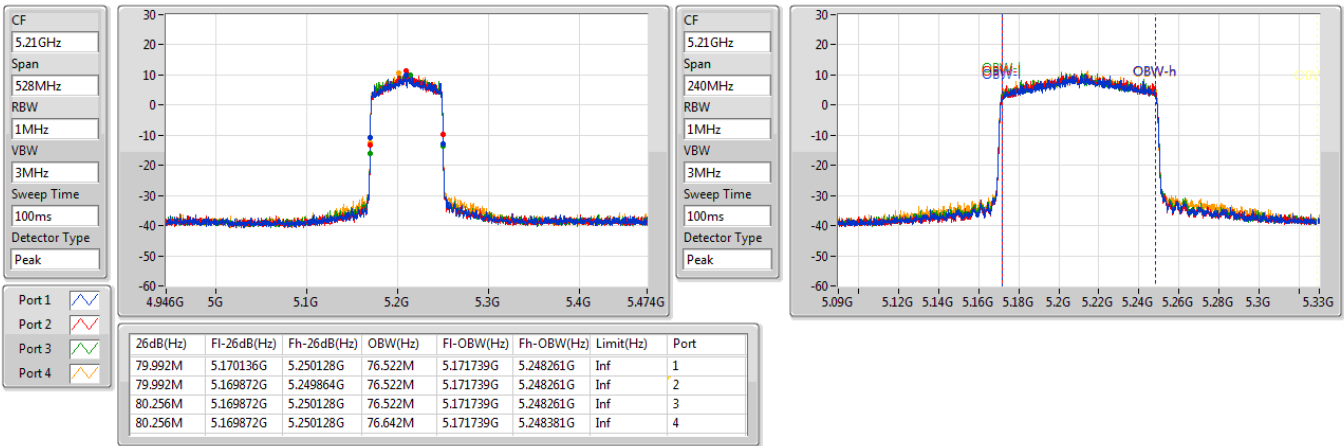
5795MHz



5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

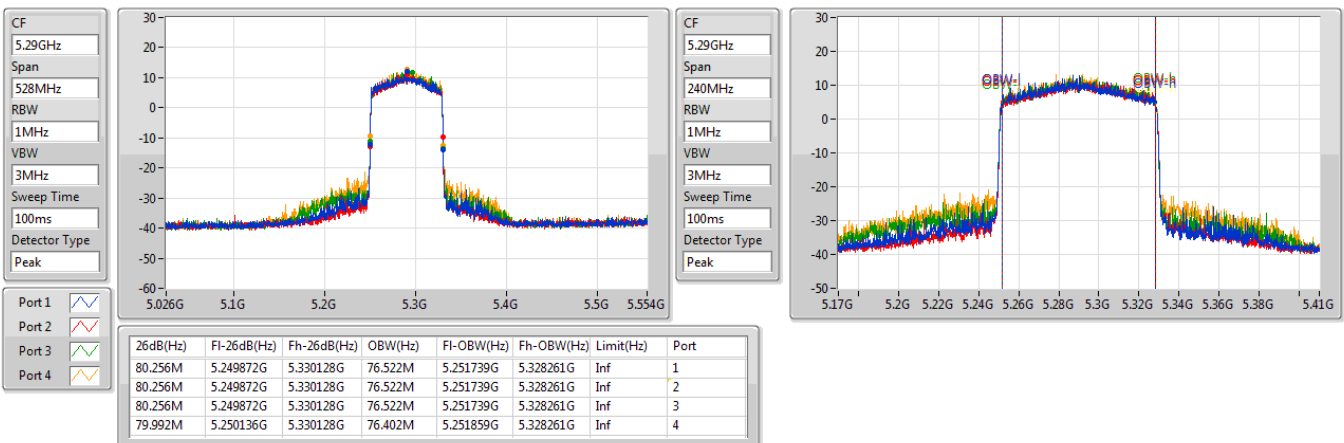
5210MHz



5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

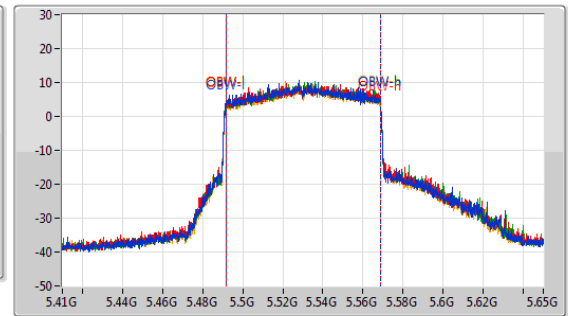
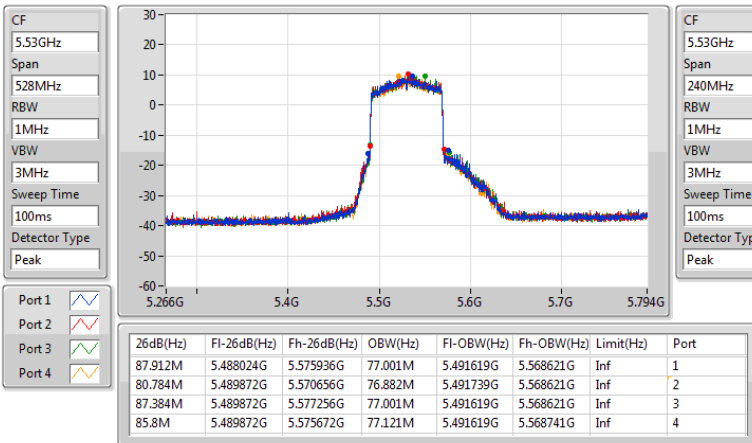




5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

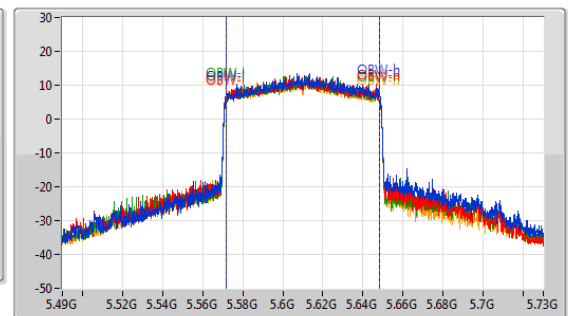
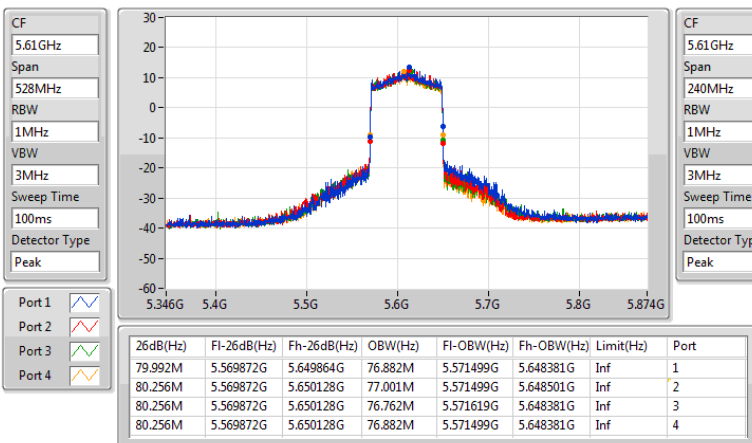
5530MHz



5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

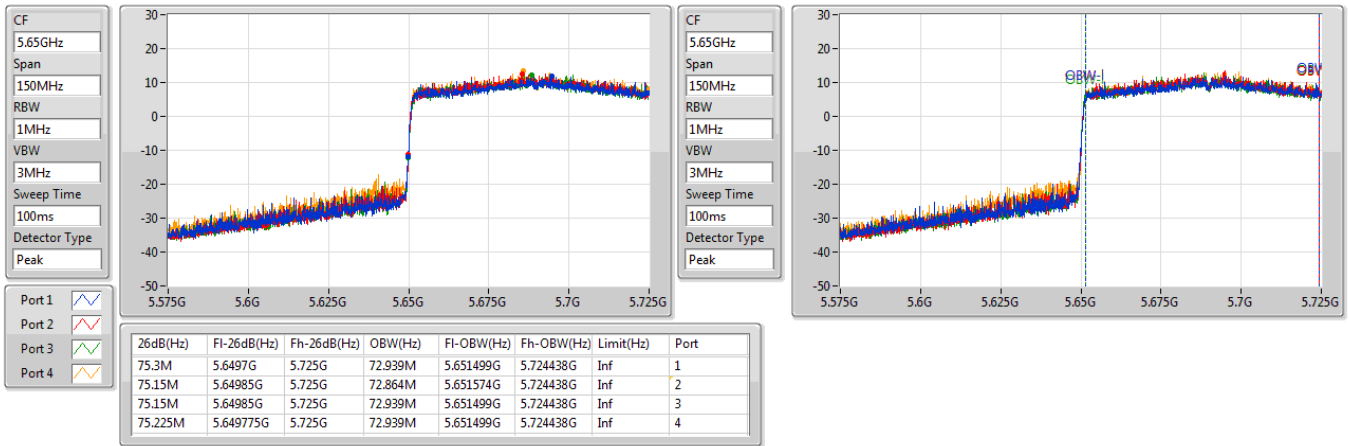




5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

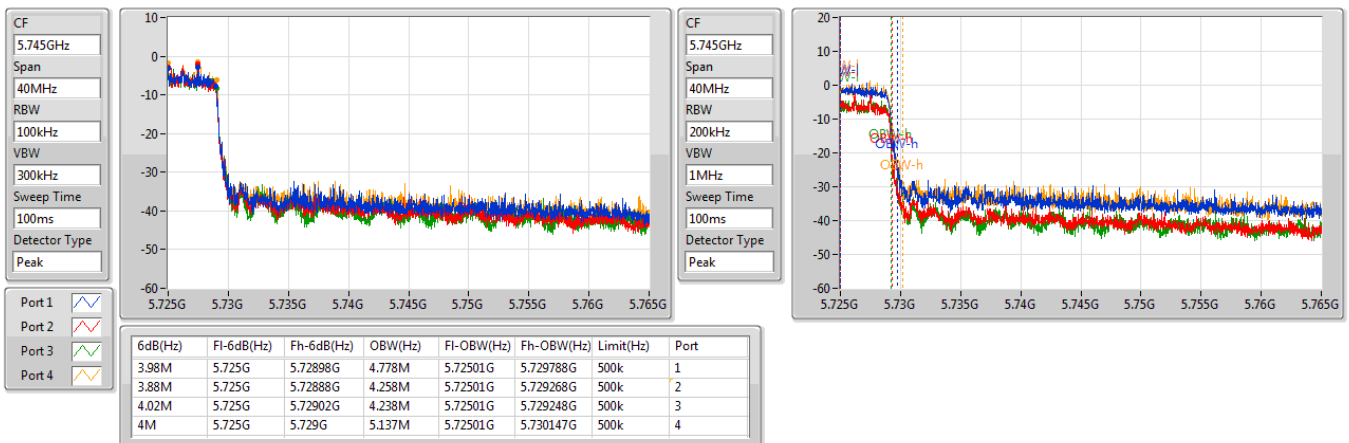
5690MHz Straddle 5.47-5.725GHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

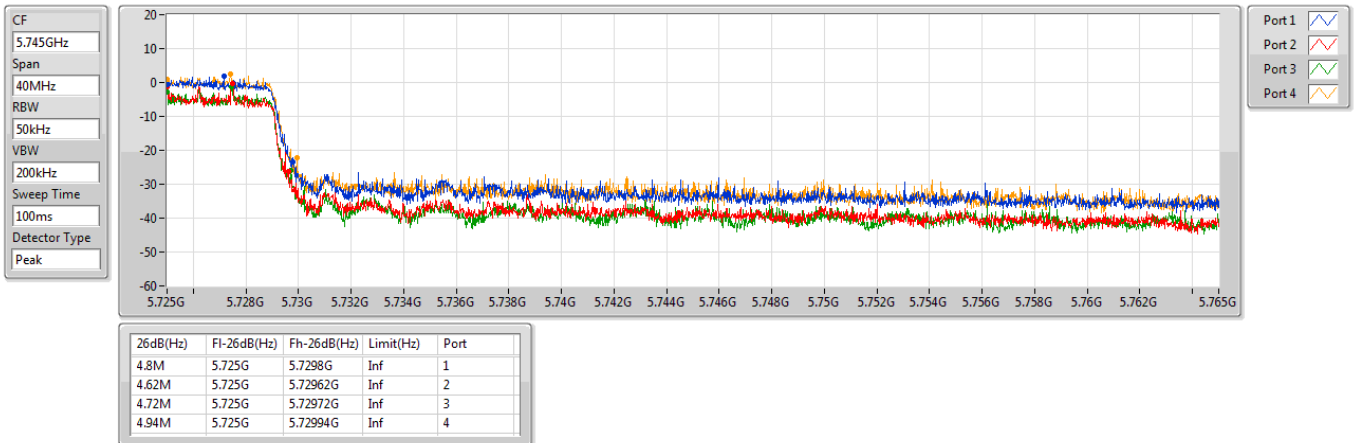




5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

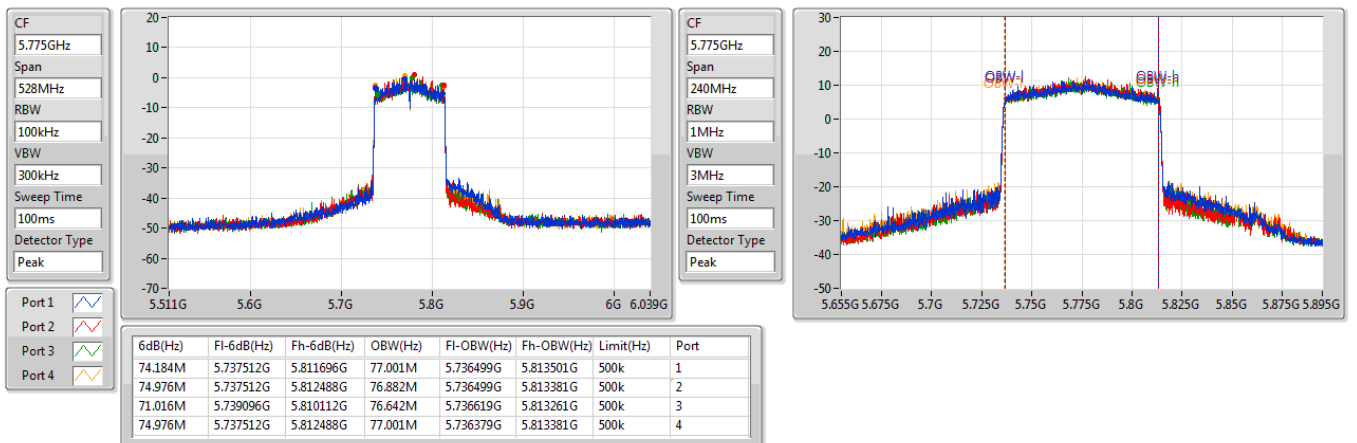
5690MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz



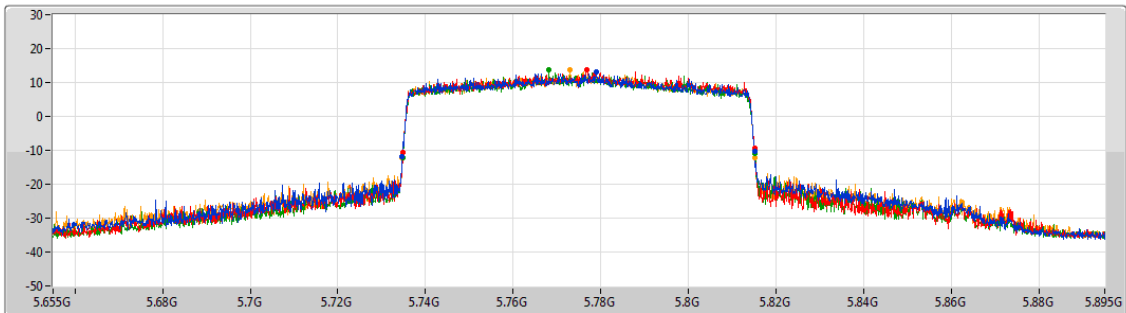


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

CF
5.775GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

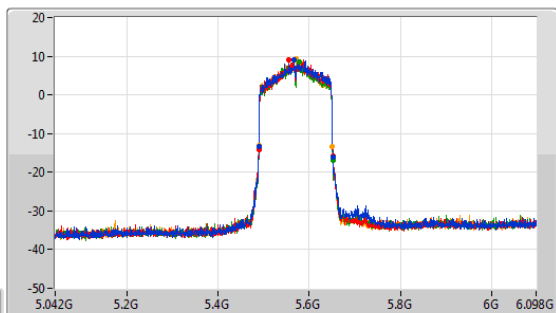
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
80.4M	5.73468G	5.81508G	Inf	1
80.16M	5.73492G	5.81508G	Inf	2
80.28M	5.73492G	5.8152G	Inf	3
80.52M	5.73468G	5.8152G	Inf	4

5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

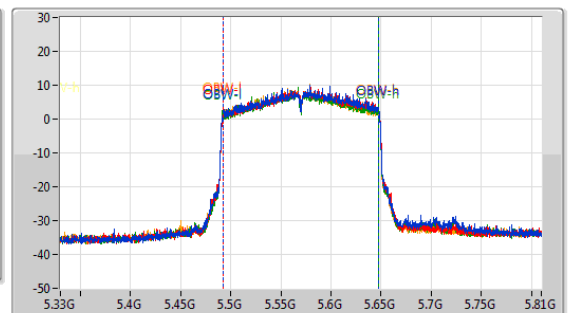
EBW

5570MHz

CF
5.57GHz
Span
1.056GHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
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
162.096M	5.489216G	5.651312G	154.963M	5.492759G	5.647721G	Inf	1
162.096M	5.489216G	5.651312G	154.963M	5.492759G	5.647721G	Inf	2
162.096M	5.489216G	5.651312G	155.202M	5.492519G	5.647721G	Inf	3
161.568M	5.489216G	5.650784G	154.723M	5.492759G	5.647481G	Inf	4

Beamforming mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.04M	19.07M	19M1D1D	19.866M	18.771M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	39.468M	37.781M	37M8D1D	39.204M	37.661M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	80.52M	77.361M	77M4D1D	79.992M	76.642M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.324M	19.07M	19M1D1D	21.912M	18.981M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	39.468M	37.721M	37M7D1D	39.204M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	80.52M	77.241M	77M2D1D	79.992M	76.882M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.578M	19.07M	19M1D1D	15.675M	14.438M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	51.612M	37.961M	38M0D1D	34.65M	33.688M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	113.256M	77.361M	77M4D1D	74.85M	72.939M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.736M	156.882M	157MD1D	163.152M	155.682M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.942M	19.13M	19M1D1D	4.44M	4.618M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.016M	38.021M	38M0D1D	3.98M	4.038M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	77.616M	77.481M	77M5D1D	3.82M	4.078M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Minimum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	29.04M	19.04M	28.512M	19.07M	26.4M	19.04M	22.902M	18.981M
5200MHz	Pass	Inf	28.38M	18.981M	22.242M	19.01M	22.506M	19.04M	24.618M	19.04M
5240MHz	Pass	Inf	19.866M	18.891M	19.932M	18.861M	19.866M	18.771M	19.866M	18.861M
5260MHz	Pass	Inf	26.796M	19.04M	22.44M	18.981M	22.638M	19.01M	23.166M	19.07M
5300MHz	Pass	Inf	23.1M	18.981M	22.638M	19.07M	23.496M	19.04M	21.912M	19.04M
5320MHz	Pass	Inf	27.324M	19.04M	27.192M	19.04M	23.496M	18.981M	23.892M	19.01M
5500MHz	Pass	Inf	26.796M	19.01M	26.202M	19.07M	28.578M	19.07M	24.222M	19.07M
5580MHz	Pass	Inf	21.582M	18.981M	21.912M	18.981M	21.45M	19.01M	21.384M	19.01M
5700MHz	Pass	Inf	21.912M	19.04M	23.364M	19.01M	21.978M	19.01M	25.476M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.155M	14.543M	16.17M	14.558M	15.78M	14.438M	15.675M	14.453M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.56M	4.638M	4.44M	4.678M	4.54M	4.638M	4.44M	4.618M
5745MHz	Pass	500k	18.876M	19.04M	18.876M	19.07M	18.744M	19.04M	18.876M	19.04M
5785MHz	Pass	500k	18.744M	19.04M	18.942M	19.07M	18.81M	19.1M	18.876M	19.07M
5825MHz	Pass	500k	18.942M	19.1M	18.546M	19.07M	18.876M	19.13M	18.876M	19.13M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.336M	37.781M	39.204M	37.661M	39.336M	37.661M	39.468M	37.721M
5230MHz	Pass	Inf	39.468M	37.721M	39.336M	37.661M	39.468M	37.781M	39.336M	37.781M
5270MHz	Pass	Inf	39.336M	37.721M	39.468M	37.661M	39.336M	37.661M	39.204M	37.721M
5310MHz	Pass	Inf	39.468M	37.721M	39.336M	37.541M	39.336M	37.721M	39.468M	37.601M
5510MHz	Pass	Inf	44.088M	37.781M	51.612M	37.841M	45.408M	37.841M	48.18M	37.961M
5590MHz	Pass	Inf	39.468M	37.781M	39.336M	37.781M	39.336M	37.781M	39.468M	37.661M
5670MHz	Pass	Inf	51.216M	37.961M	48.708M	37.841M	50.952M	37.841M	46.728M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	33.758M	34.755M	33.688M	34.65M	33.688M	34.825M	33.828M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	4.078M	3.98M	4.078M	4.02M	4.038M	4.04M	4.078M
5755MHz	Pass	500k	37.884M	38.021M	37.752M	37.901M	37.752M	37.841M	37.884M	37.841M
5795MHz	Pass	500k	38.016M	37.961M	38.016M	37.901M	37.884M	37.901M	36.96M	37.841M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.52M	76.882M	79.992M	76.642M	80.256M	77.241M	80.256M	77.361M
5290MHz	Pass	Inf	79.992M	77.121M	80.256M	77.121M	80.52M	77.241M	80.256M	76.882M
5530MHz	Pass	Inf	89.232M	77.361M	87.648M	77.121M	96.888M	77.121M	113.256M	76.762M
5610MHz	Pass	Inf	80.256M	77.361M	80.256M	77.121M	80.52M	77.241M	80.256M	77.001M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.925M	72.939M	74.85M	73.013M	74.85M	73.238M	74.925M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.098M	3.82M	4.118M	3.98M	4.098M	3.98M	4.078M
5775MHz	Pass	500k	75.768M	77.121M	77.352M	77.241M	76.56M	77.121M	77.616M	77.481M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	164.736M	155.922M	164.736M	155.682M	163.152M	155.922M	163.68M	156.882M

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

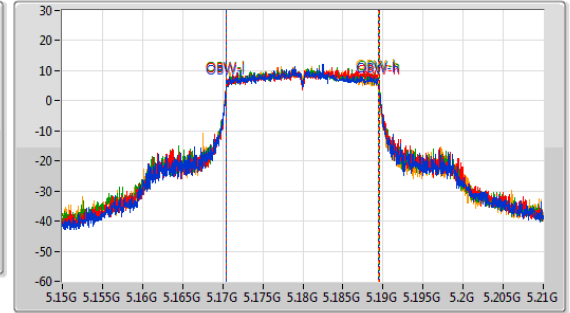
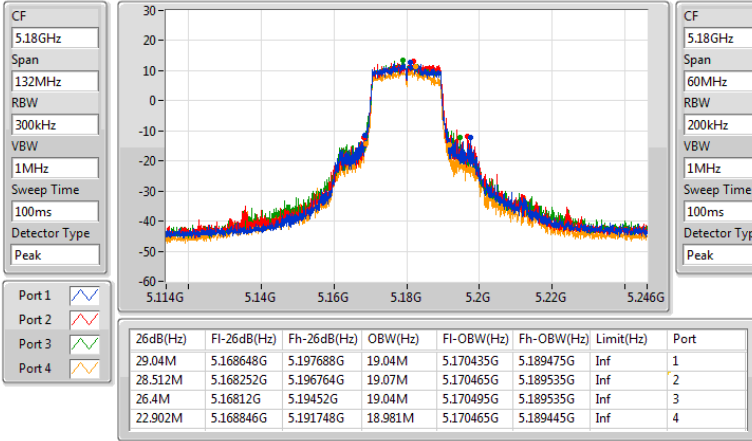
Port X-OBW = Port X 99% occupied bandwidth



5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

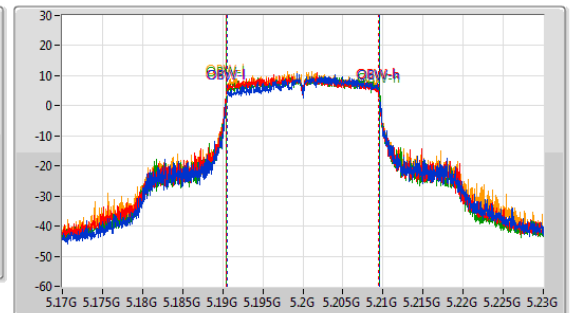
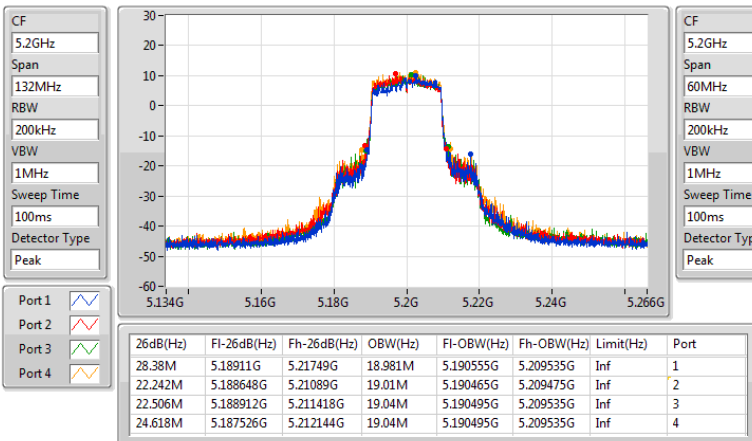
5180MHz



5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

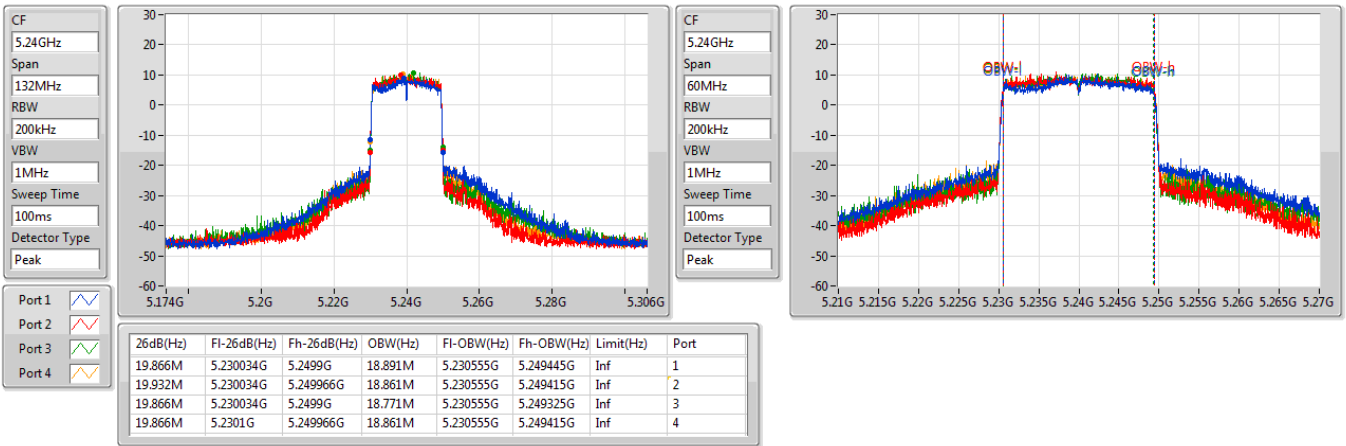




5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

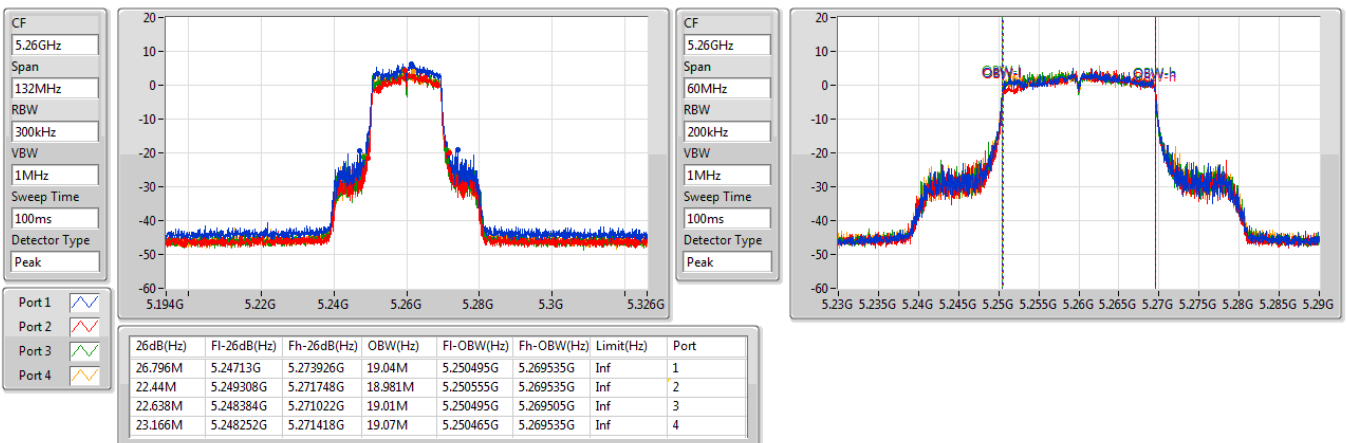
5240MHz



5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

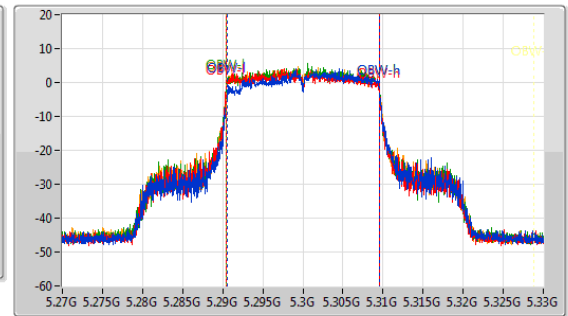
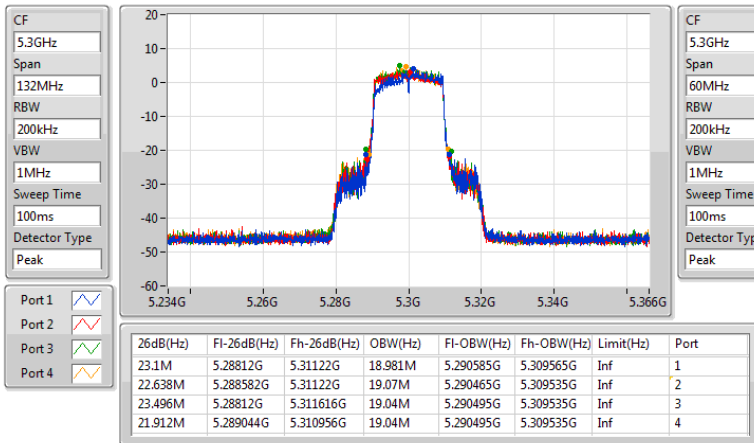




5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

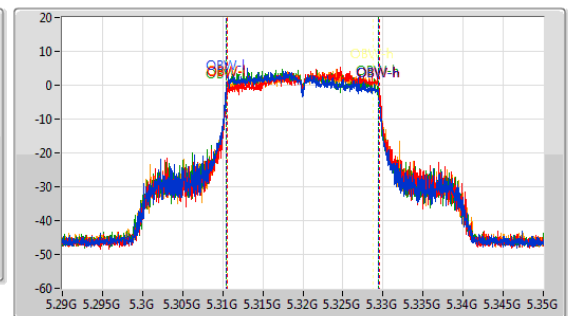
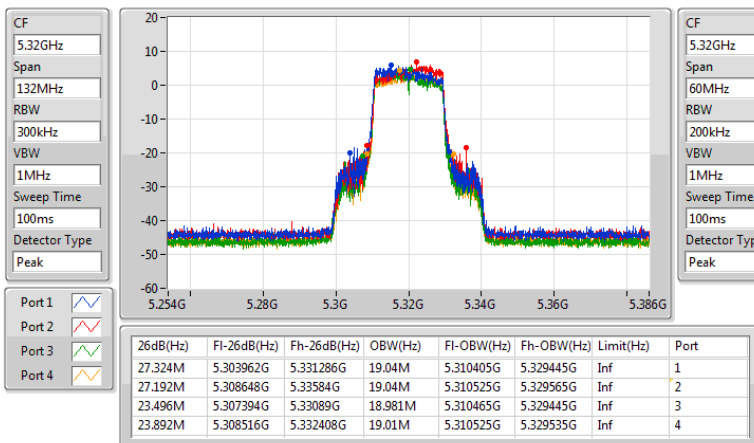
5300MHz



5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz



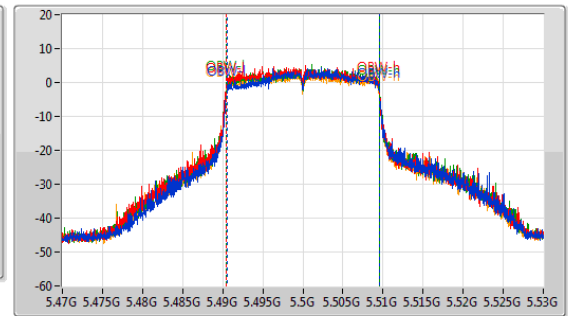
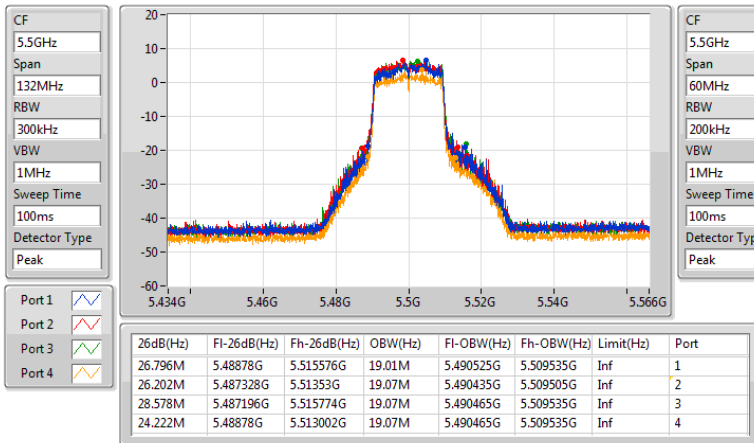


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

15/06/2023

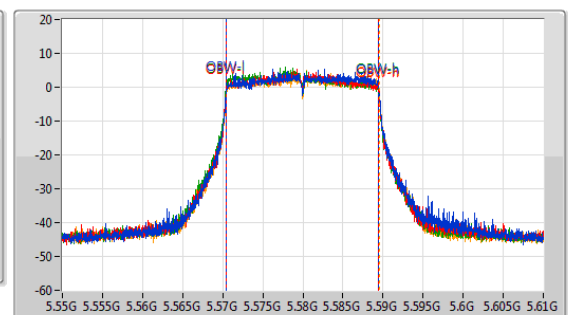
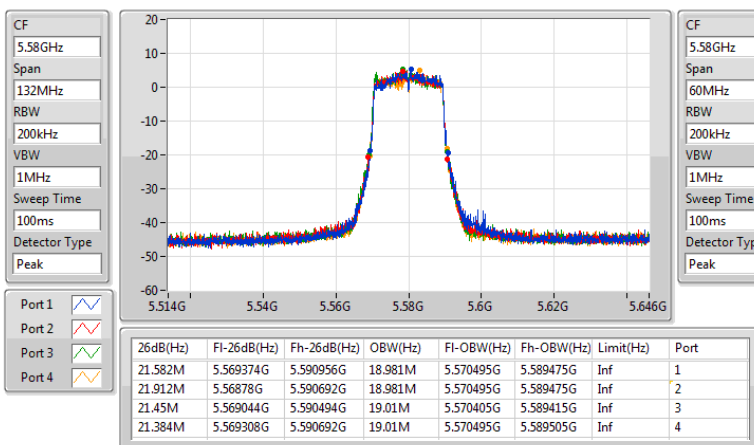


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

15/06/2023



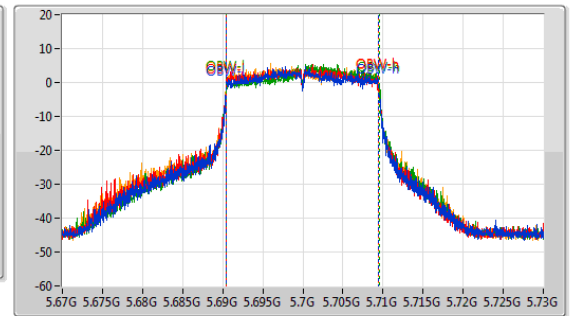
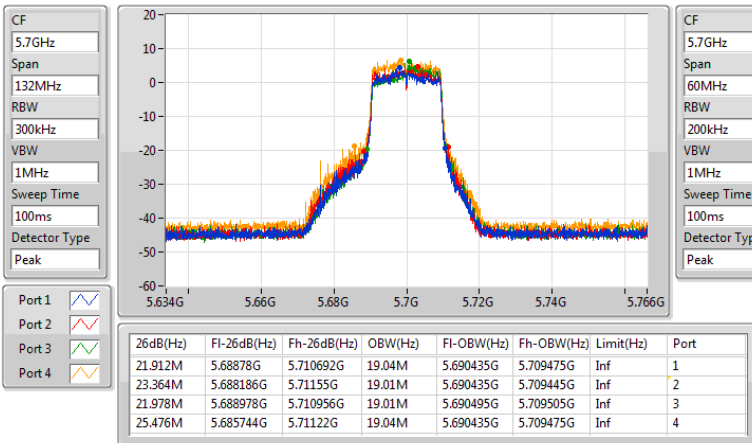


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

15/06/2023

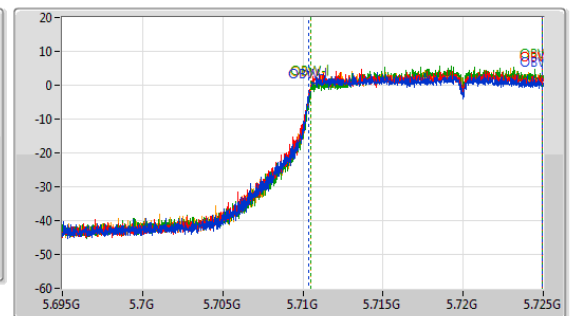
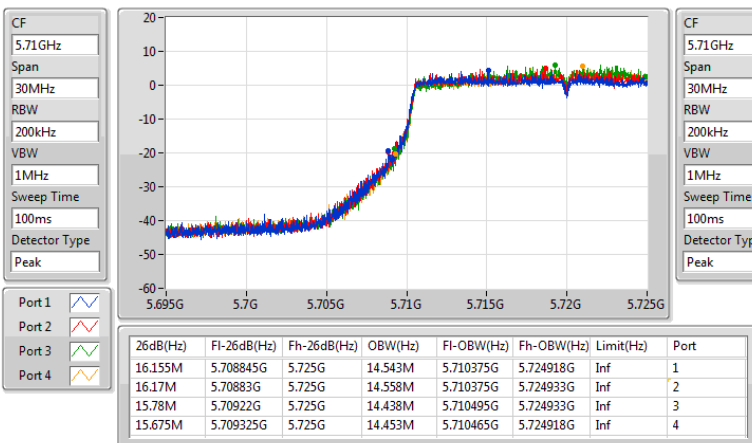


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/06/2023



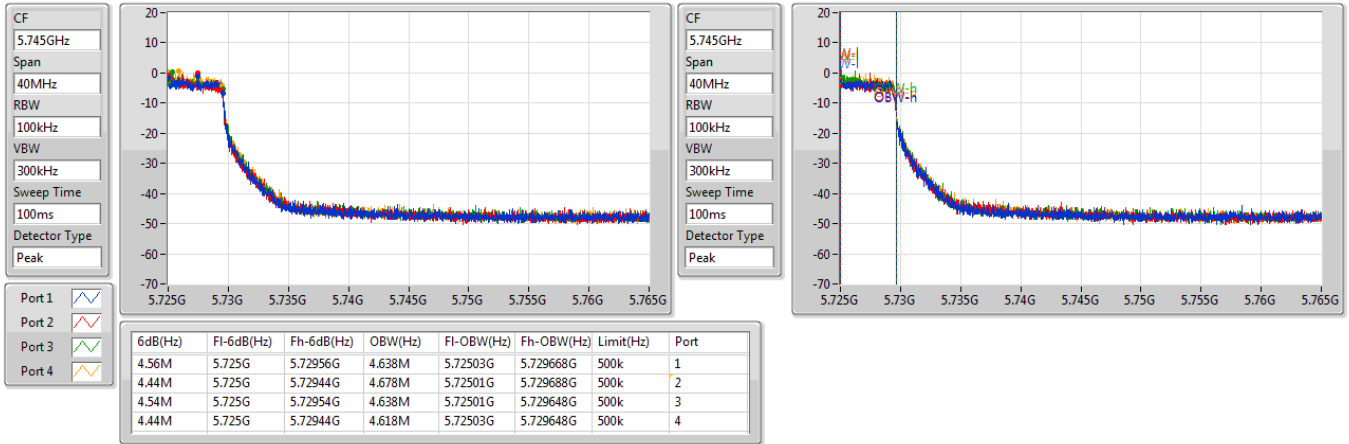


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/06/2023

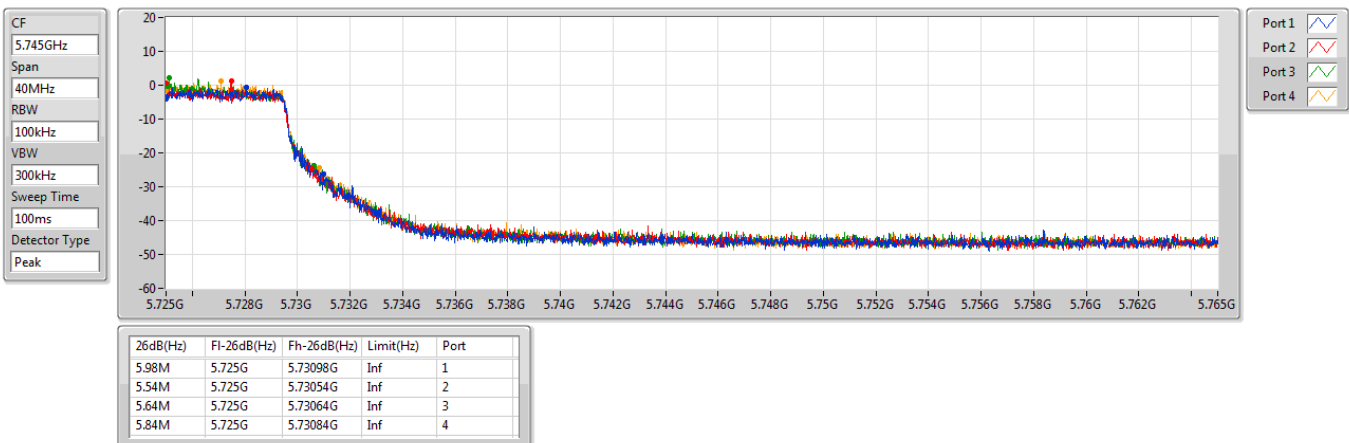


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/06/2023

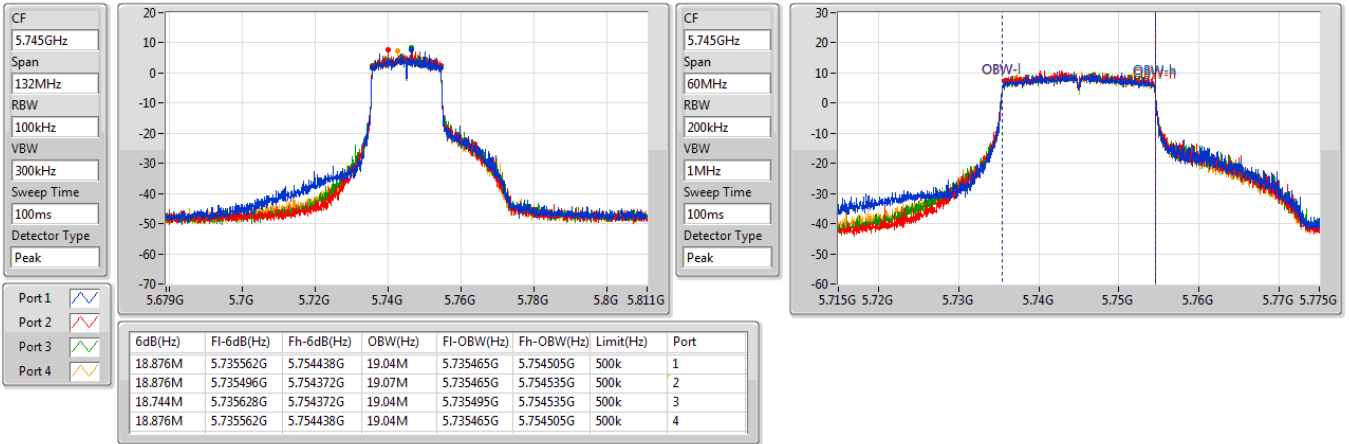




5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

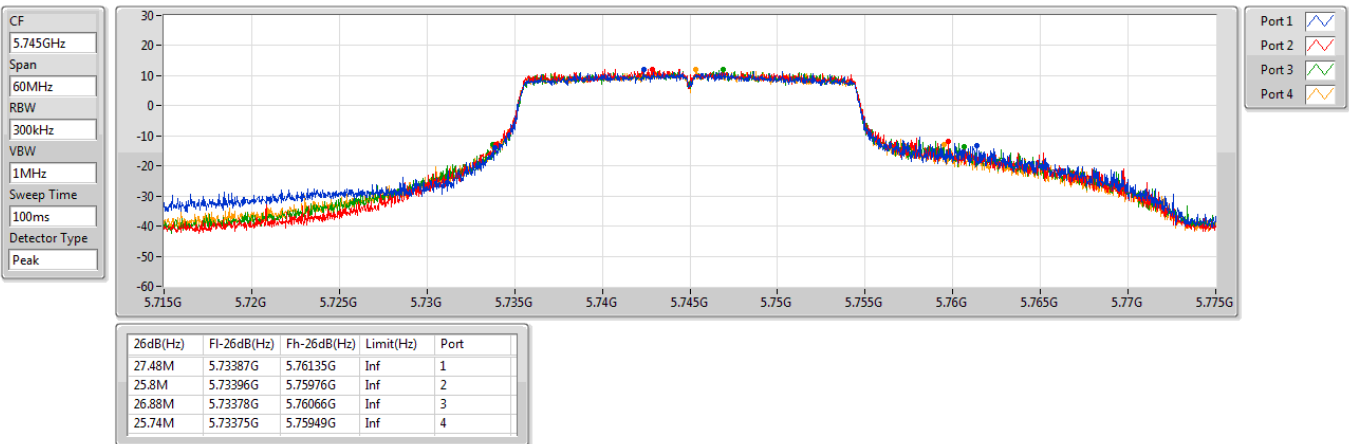
5745MHz



5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

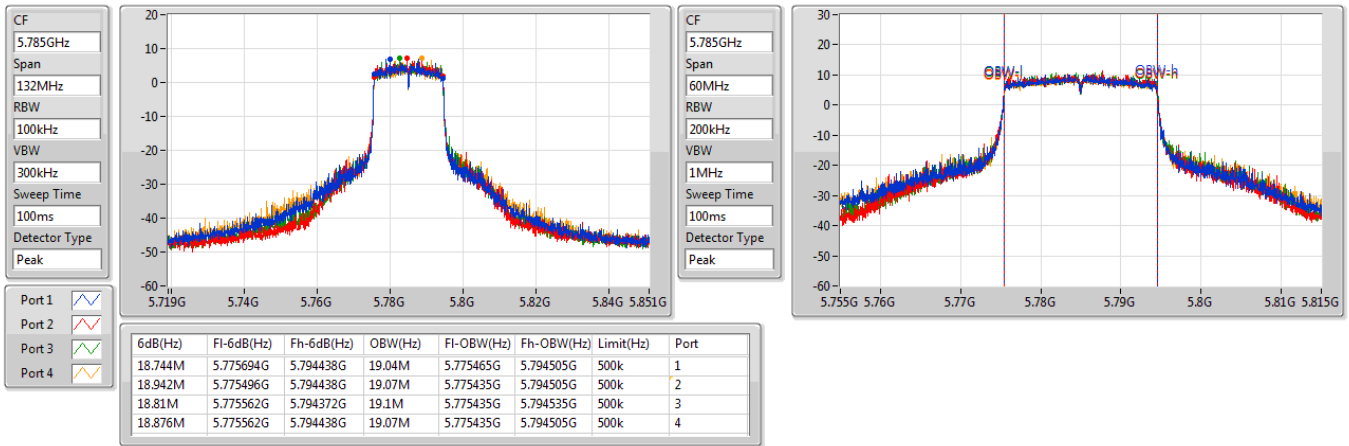




5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

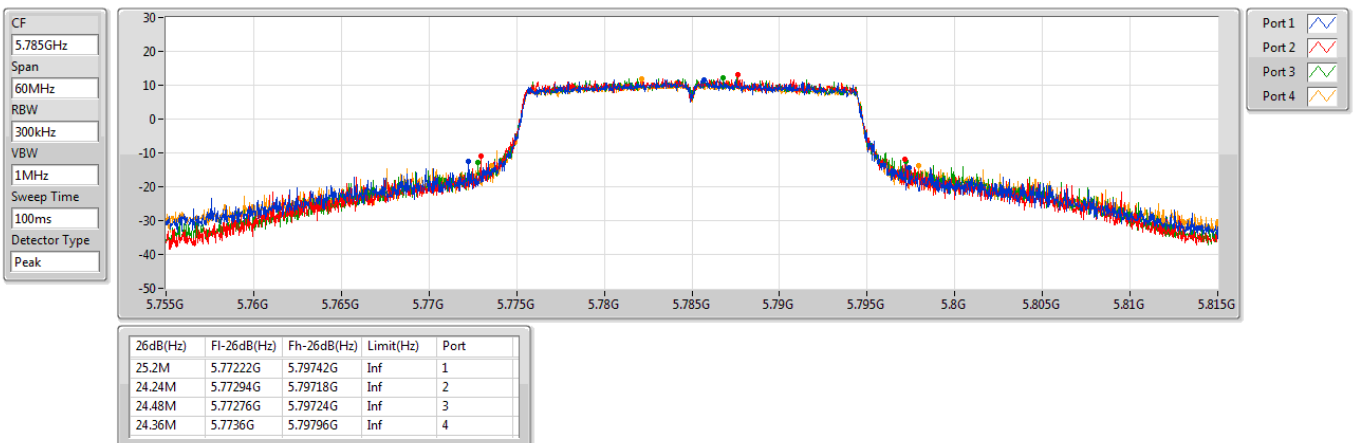
5785MHz



5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz





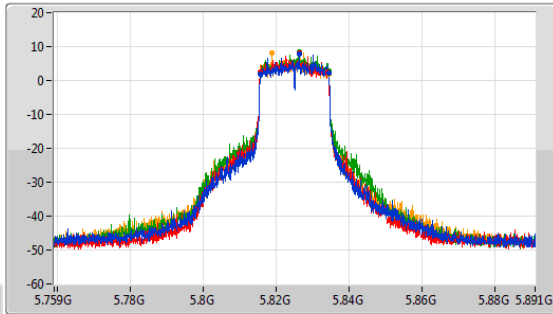
5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

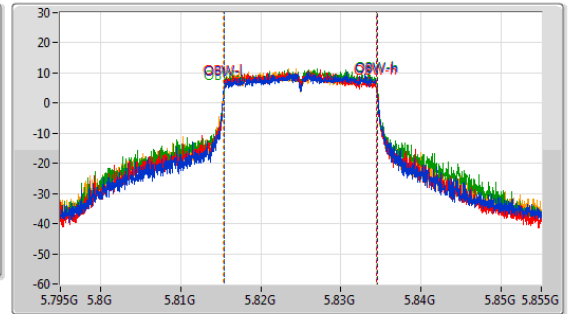
CF
5.825GHz
Span
132MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

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
18.942M	5.815496G	5.834438G	19.1M	5.815405G	5.834505G	500k	1
18.546M	5.815694G	5.83424G	19.07M	5.815405G	5.834475G	500k	2
18.876M	5.815496G	5.834372G	19.13M	5.815375G	5.834505G	500k	3
18.876M	5.815496G	5.834372G	19.13M	5.815345G	5.834475G	500k	4

CF
5.825GHz
Span
60MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

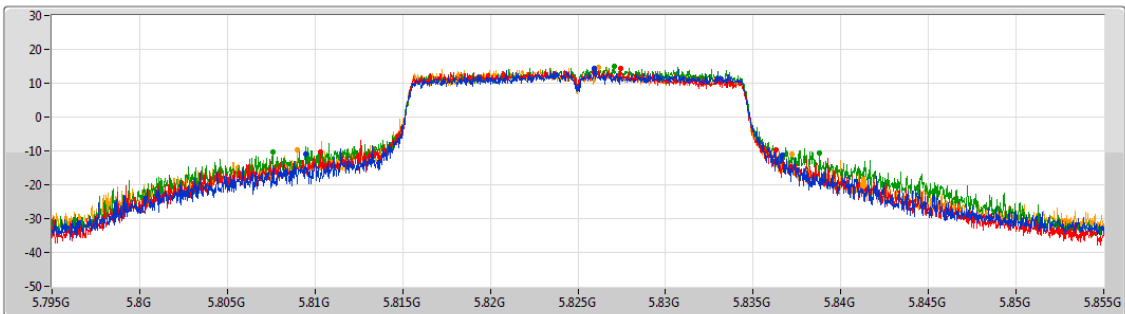


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

CF
5.825GHz
Span
60MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
27.18M	5.80946G	5.83664G	Inf	1
25.98M	5.81033G	5.83631G	Inf	2
31.2M	5.8076G	5.8388G	Inf	3
28.26M	5.80898G	5.83724G	Inf	4

Port 1
Port 2
Port 3
Port 4

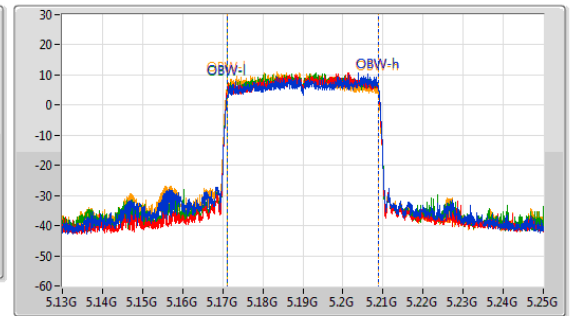
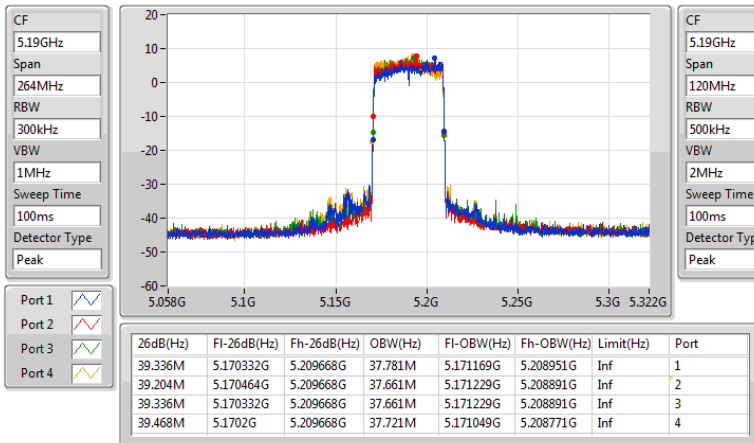


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

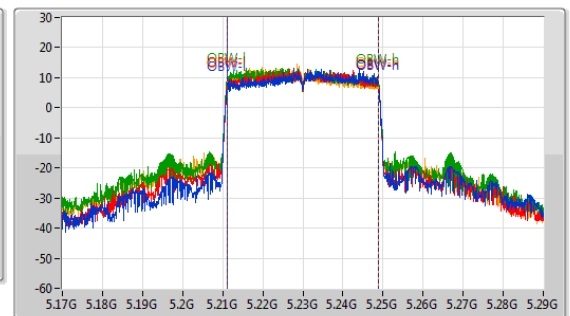
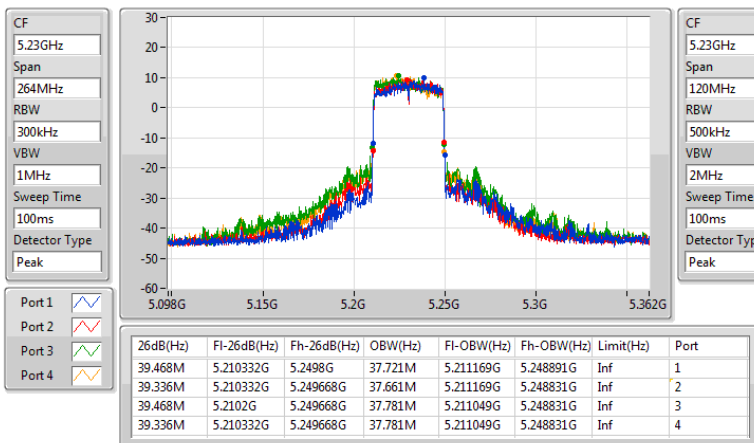
15/06/2023



5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz



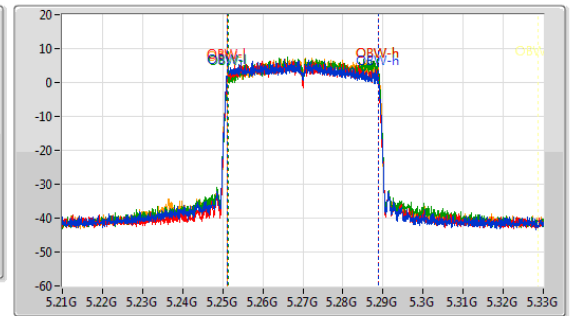
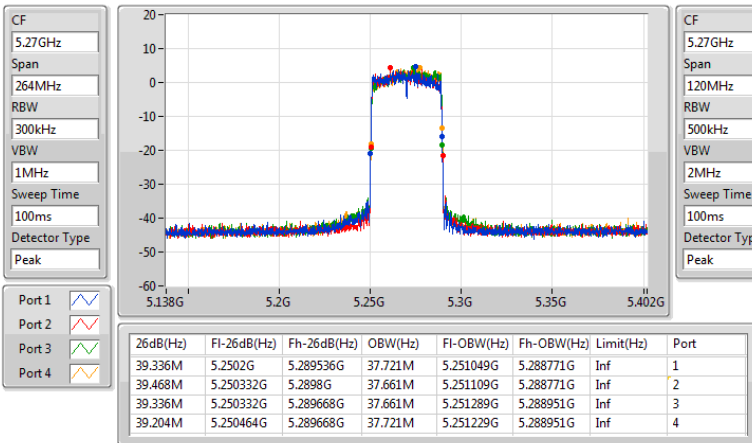


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

15/06/2023

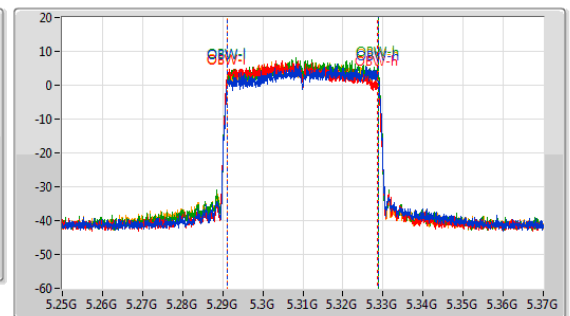
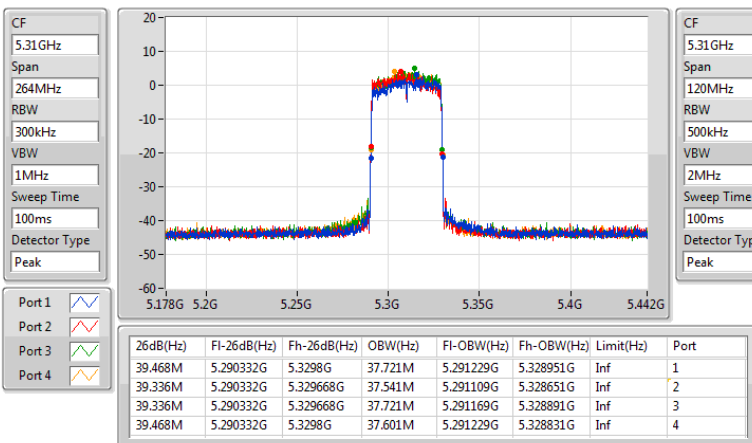


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

15/06/2023

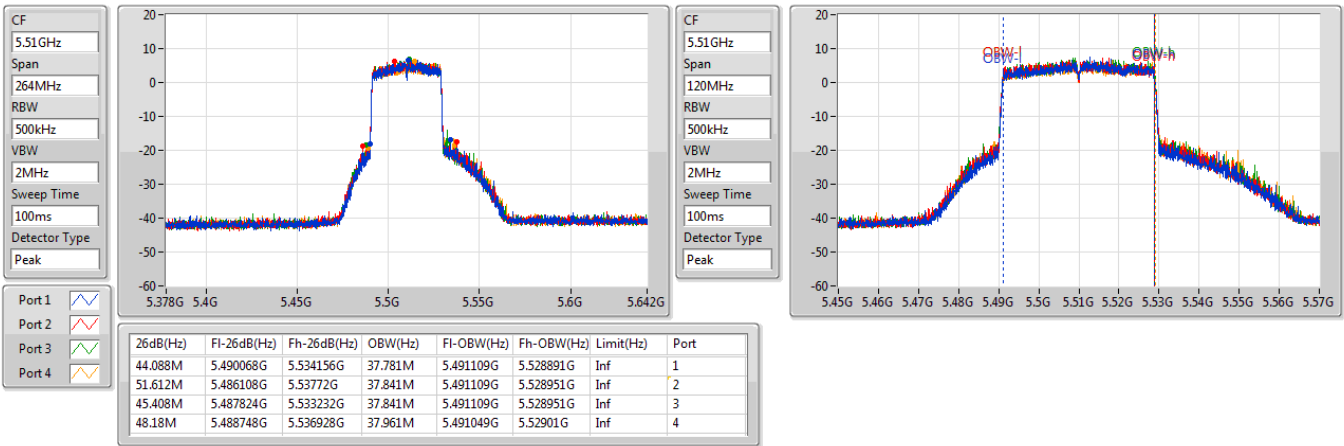




5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

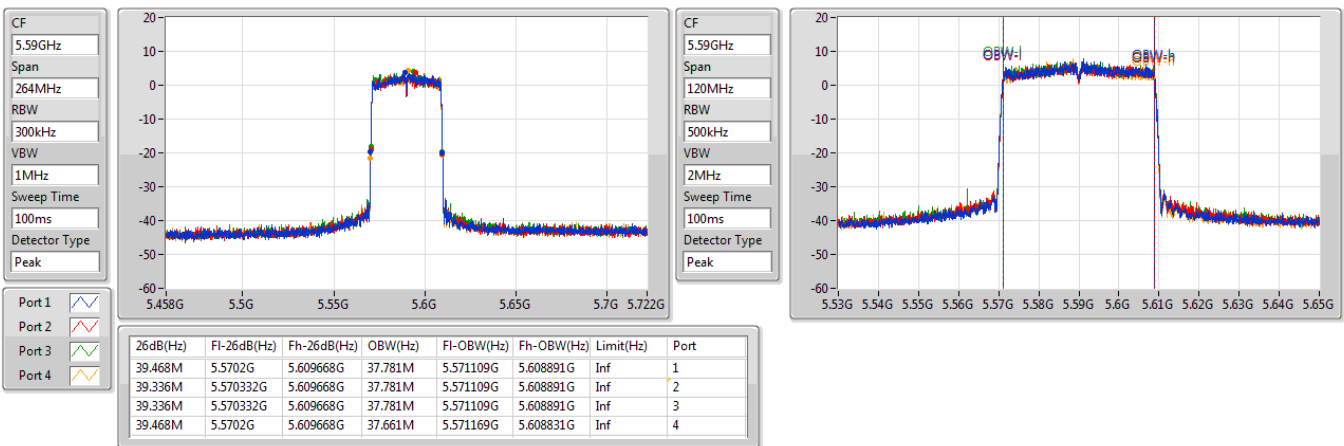
5510MHz



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5590MHz

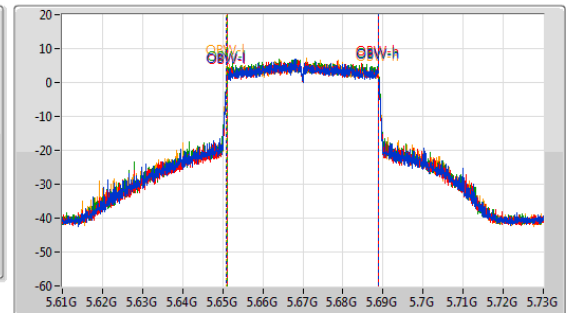
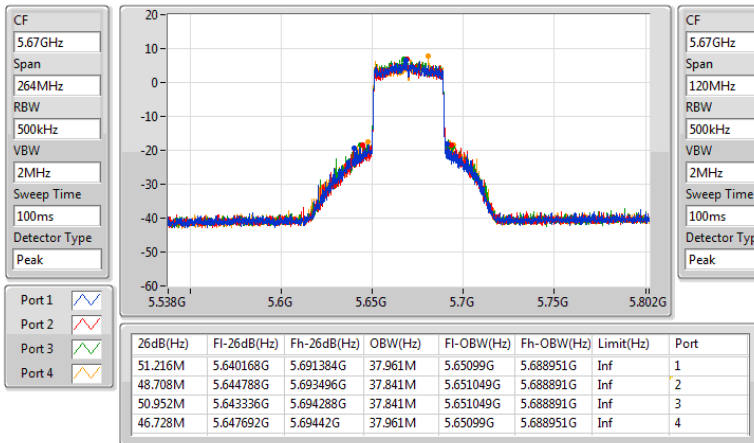




5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

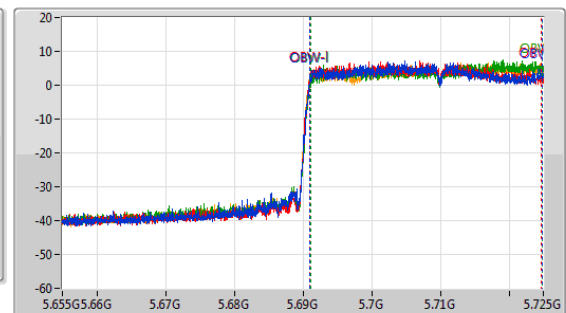
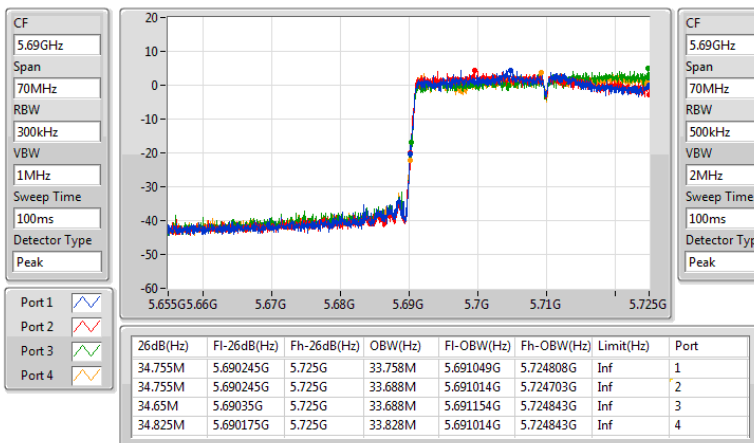


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

15/06/2023



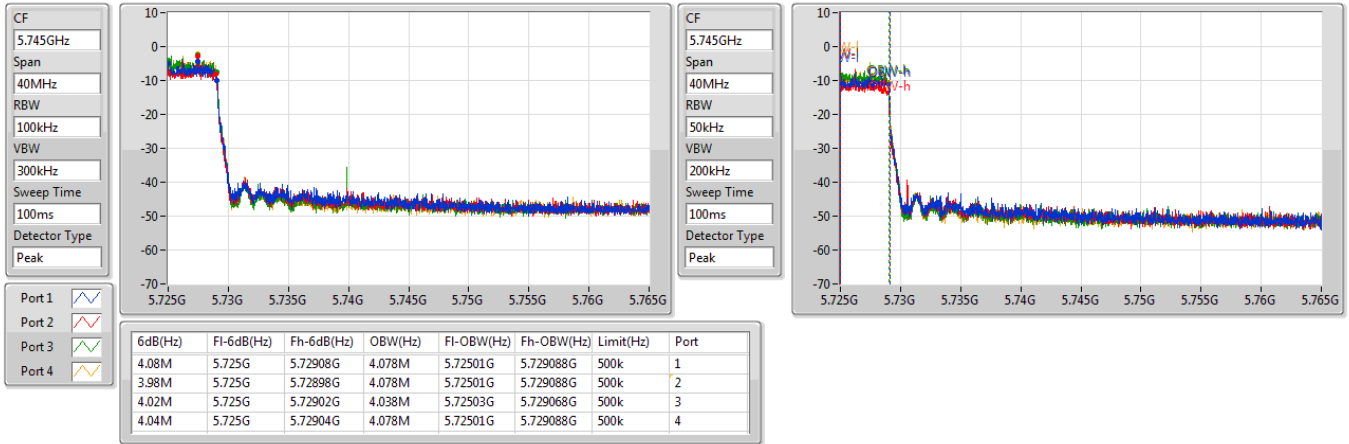


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/06/2023

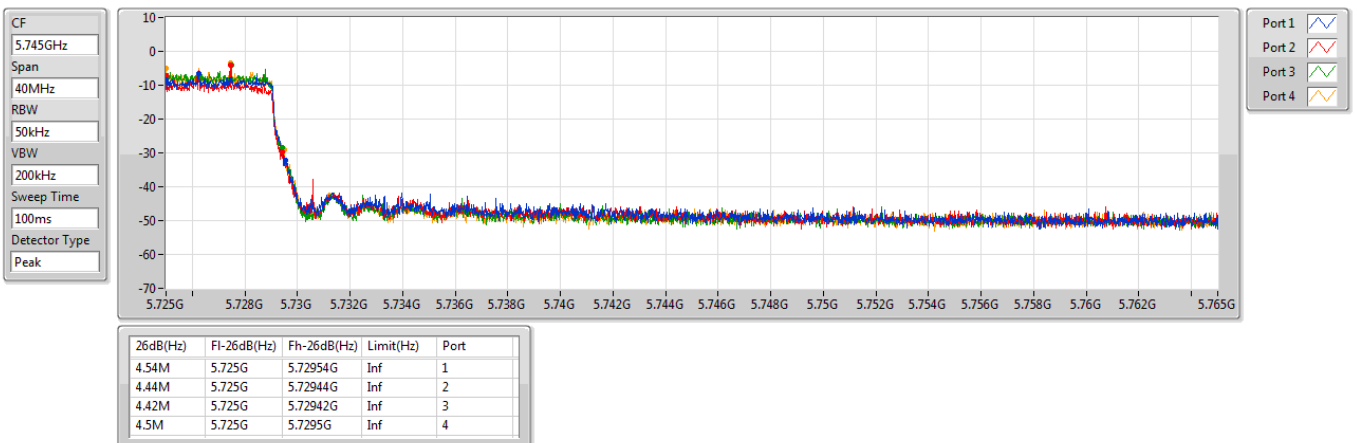


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/06/2023

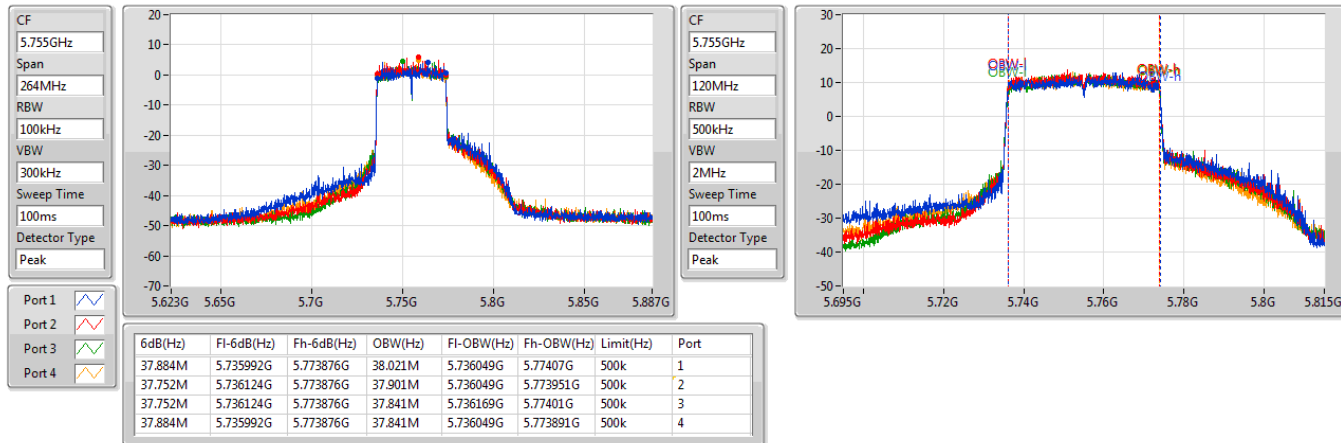




5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

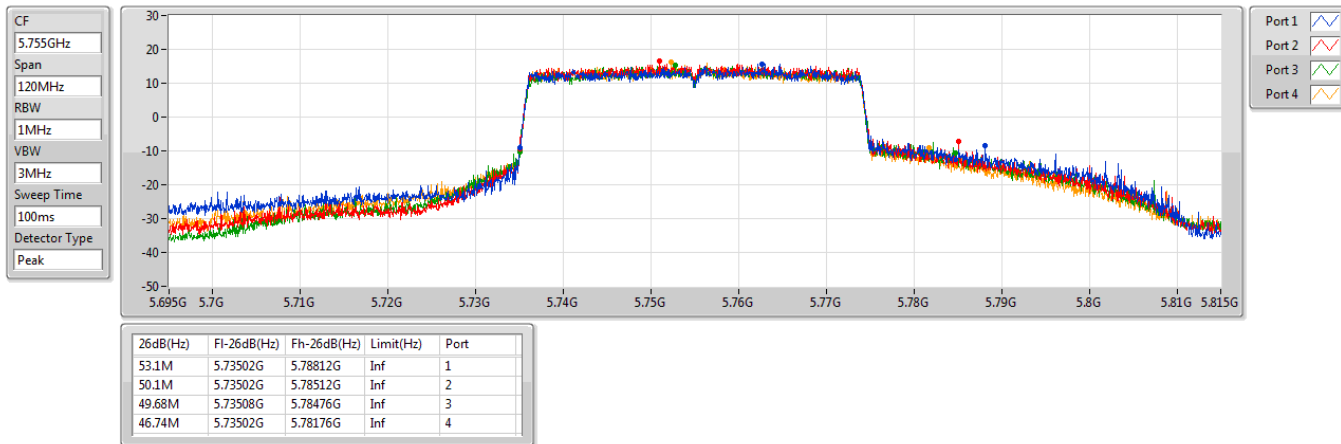
5755MHz



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

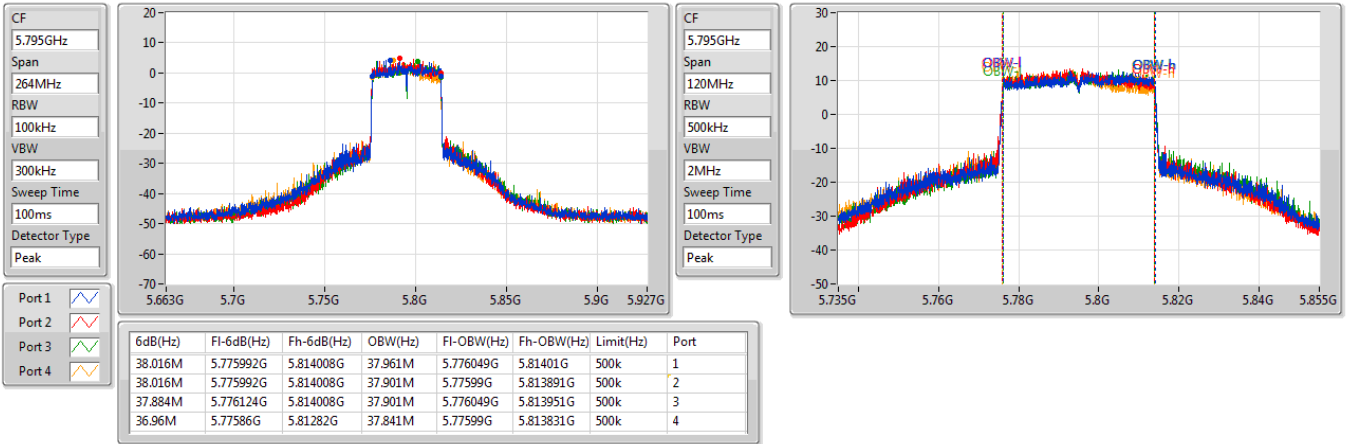




5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

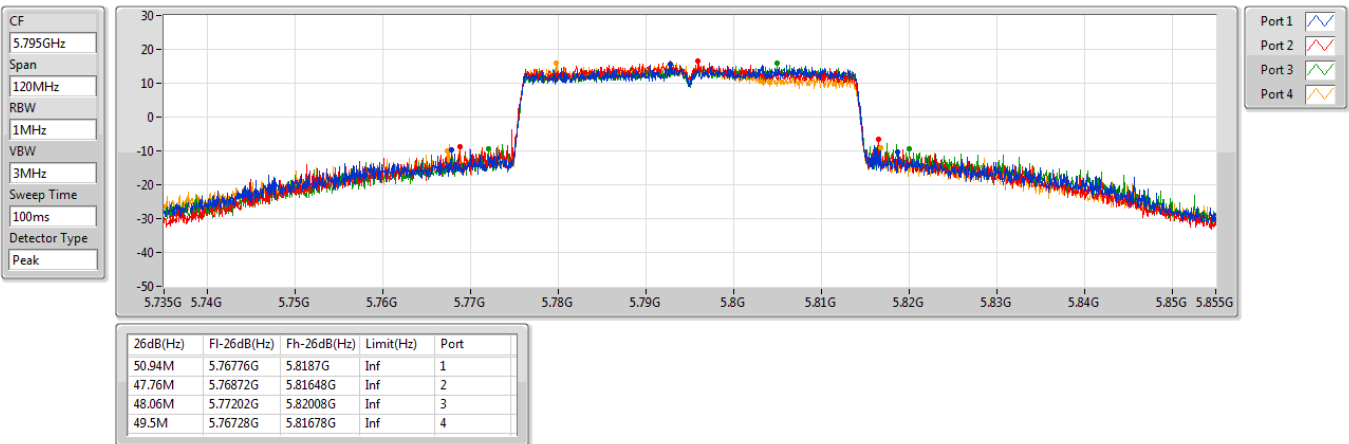
5795MHz



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

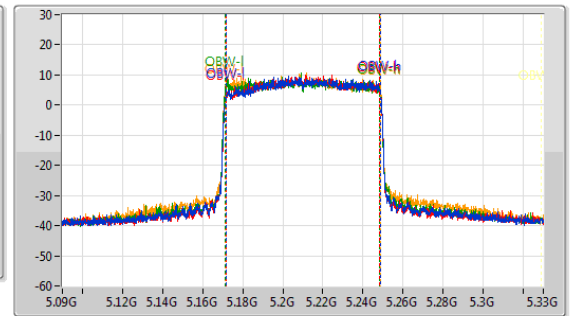
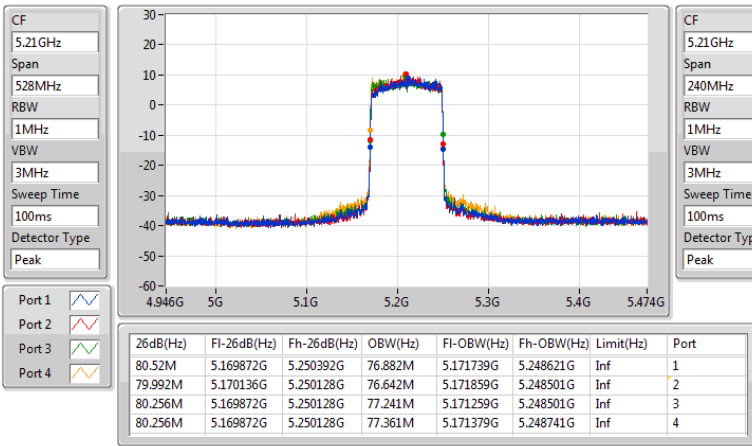
5795MHz



5.15-5.25GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

EBW

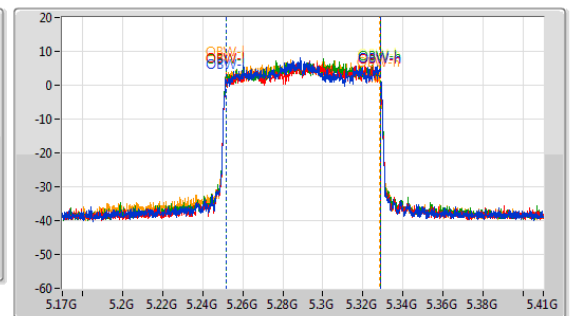
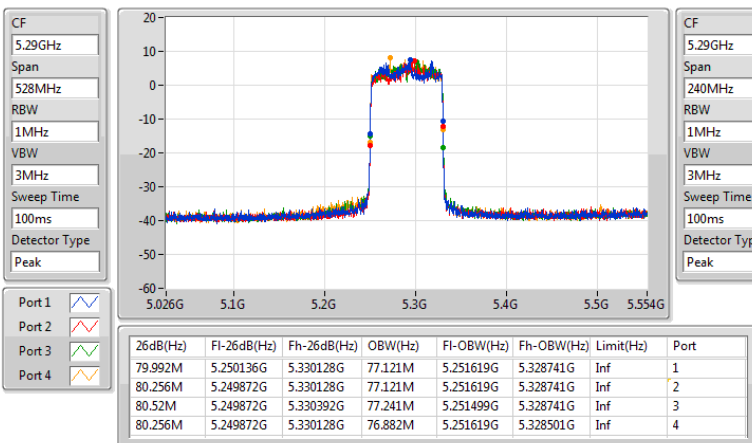
5210MHz



5.25-5.35GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

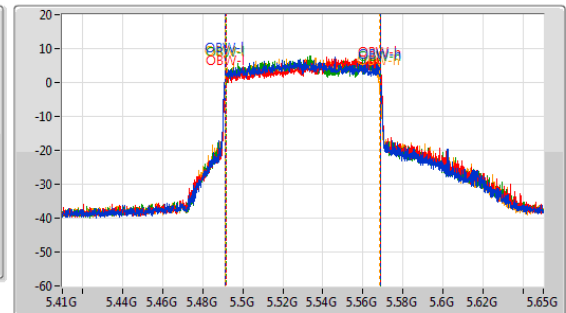
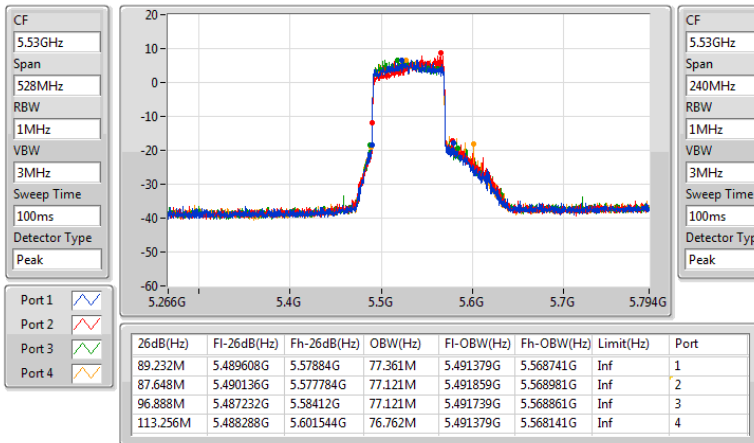




5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

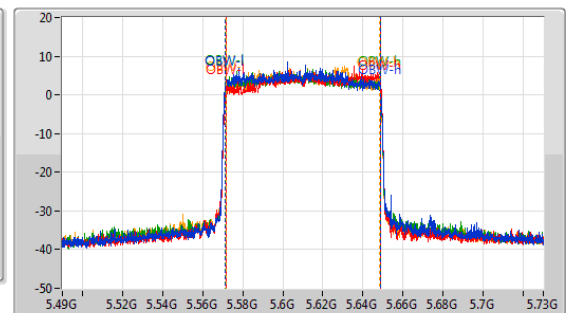
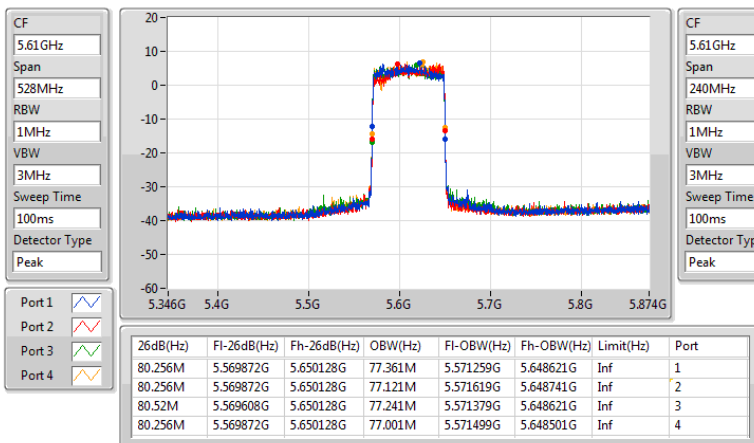
5530MHz



5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz



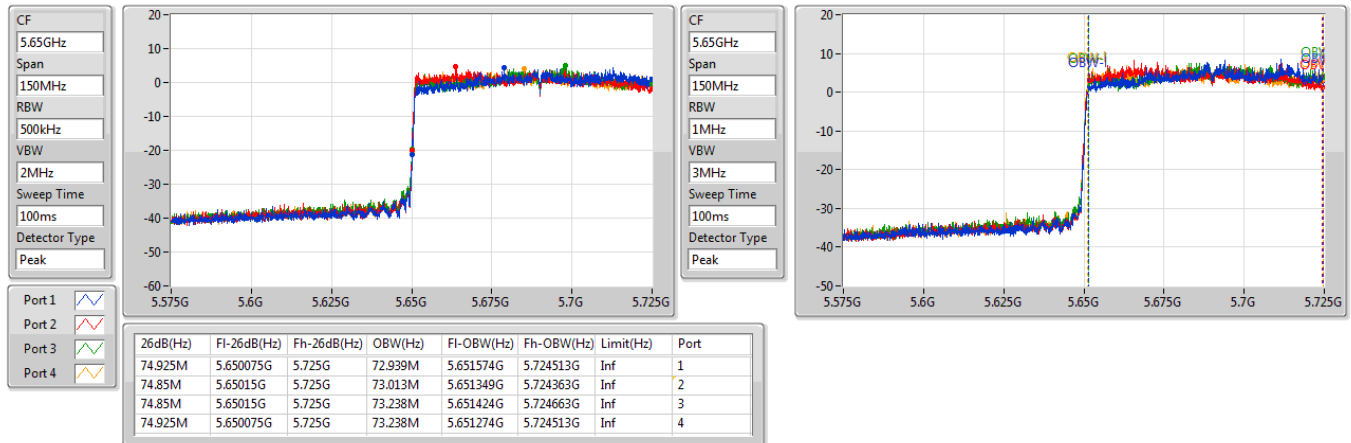


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

15/06/2023

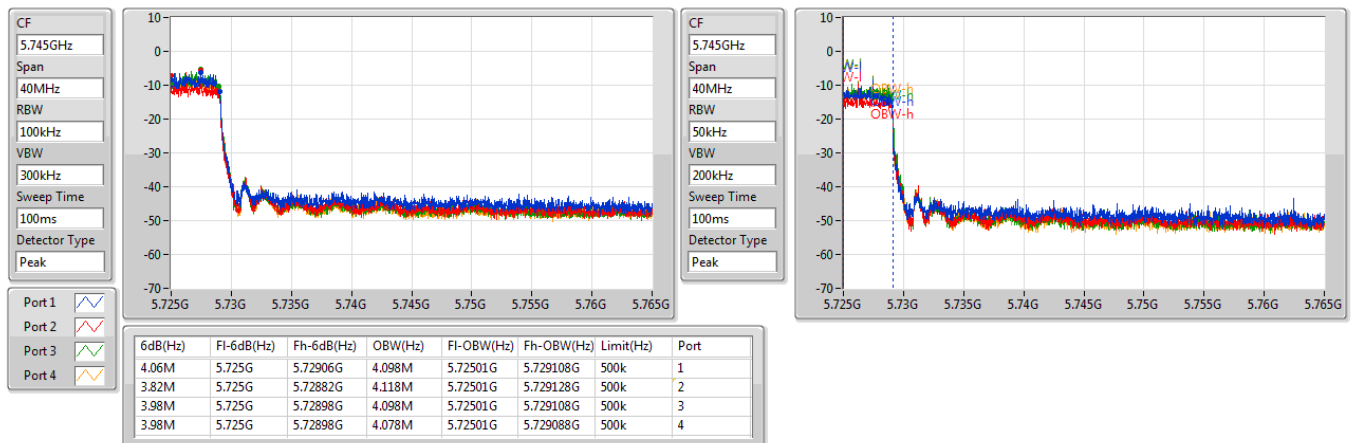


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/06/2023



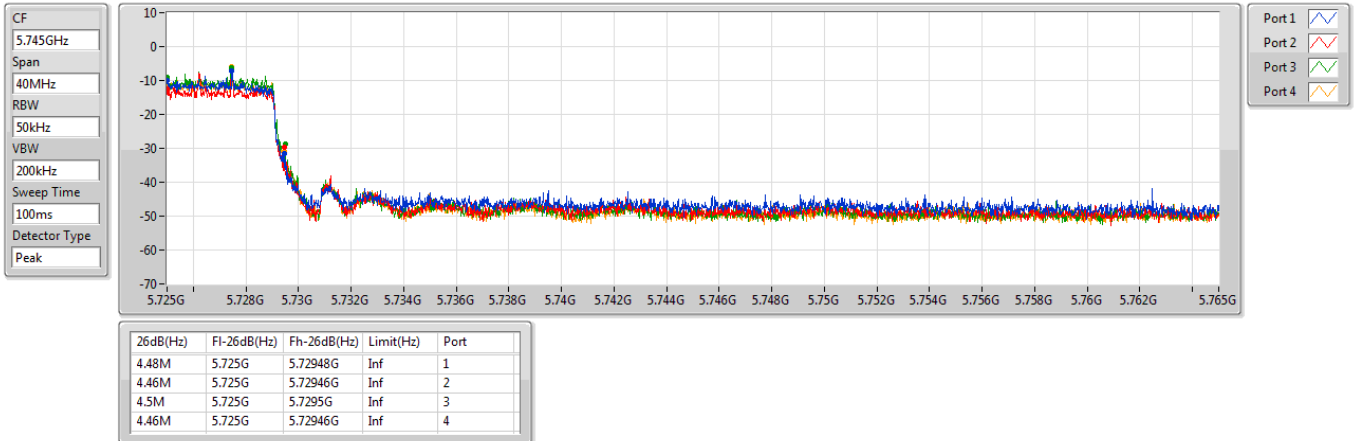


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

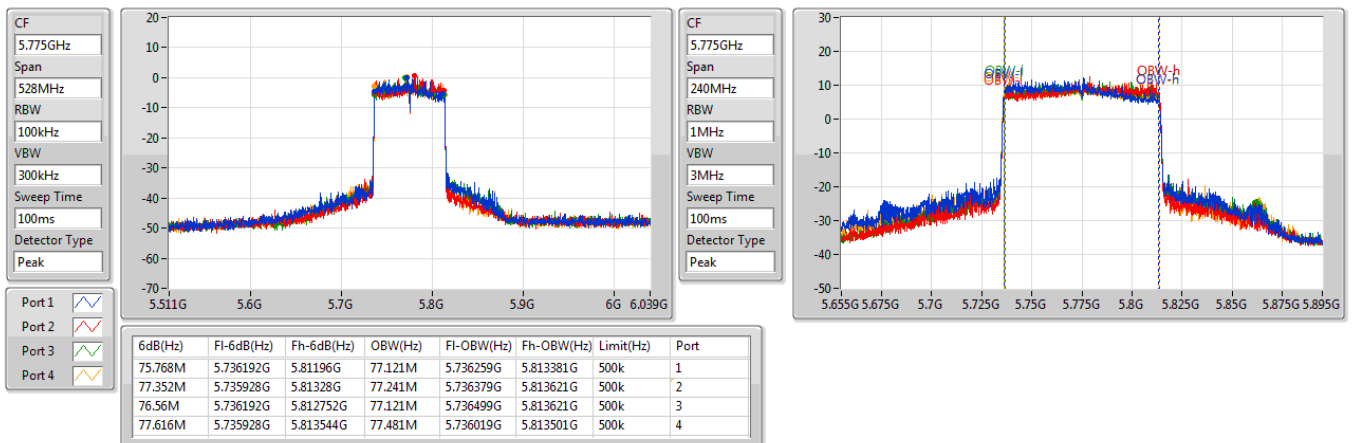
15/06/2023



5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz



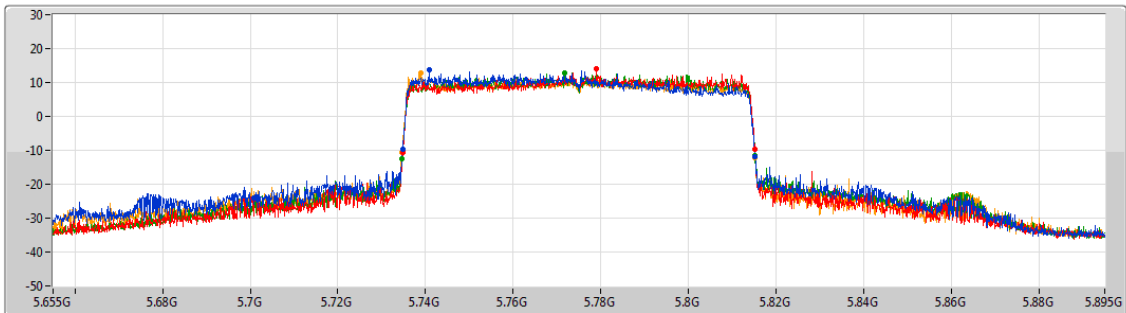


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

CF
5.775GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

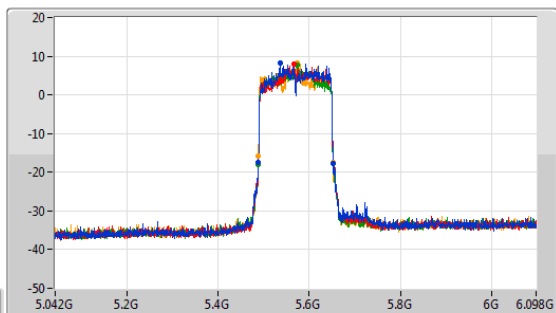
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
80.4M	5.7348G	5.8152G	Inf	1
80.28M	5.7348G	5.81508G	Inf	2
80.52M	5.73468G	5.8152G	Inf	3
80.64M	5.73456G	5.8152G	Inf	4

5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

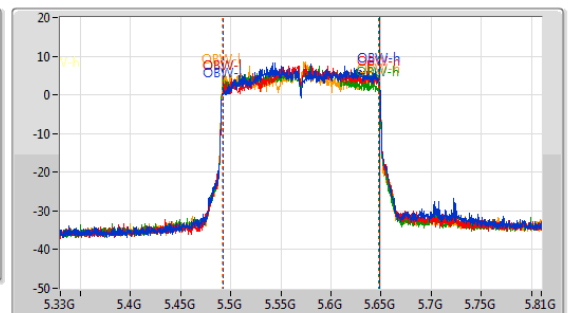
EBW

5570MHz

CF
5.57GHz
Span
1.056GHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
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
164.736M	5.488688G	5.653424G	155.922M	5.492519G	5.648441G	Inf	1
164.736M	5.48816G	5.652896G	155.682M	5.492519G	5.648201G	Inf	2
163.152M	5.488688G	5.65184G	155.922M	5.492039G	5.647961G	Inf	3
163.68M	5.488688G	5.652368G	156.882M	5.491559G	5.648441G	Inf	4

Non-beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.69	0.29444	29.03	0.79983
802.11ax HEW20_Nss1,(MCS0)_4TX	25.52	0.35645	29.86	0.96828
802.11ax HEW40_Nss1,(MCS0)_4TX	26.86	0.48529	31.20	1.31826
802.11ax HEW80_Nss1,(MCS0)_4TX	21.99	0.15812	26.33	0.42954
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.18	0.06577	22.87	0.19364
802.11ax HEW20_Nss1,(MCS0)_4TX	19.22	0.08356	23.91	0.24604
802.11ax HEW40_Nss1,(MCS0)_4TX	21.36	0.13677	26.05	0.40272
802.11ax HEW80_Nss1,(MCS0)_4TX	23.35	0.21627	28.04	0.63680
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.02	0.07980	23.65	0.23174
802.11ax HEW20_Nss1,(MCS0)_4TX	19.94	0.09863	24.57	0.28642
802.11ax HEW40_Nss1,(MCS0)_4TX	21.59	0.14421	26.22	0.41879
802.11ax HEW80_Nss1,(MCS0)_4TX	23.83	0.24155	28.46	0.70146
802.11ax HEW160_Nss1,(MCS0)_4TX	19.97	0.09931	24.60	0.28840
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.77	0.59841	32.40	1.73780
802.11ax HEW20_Nss1,(MCS0)_4TX	27.65	0.58210	32.28	1.69044
802.11ax HEW40_Nss1,(MCS0)_4TX	27.20	0.52481	31.83	1.52405
802.11ax HEW80_Nss1,(MCS0)_4TX	23.26	0.21184	27.89	0.61518

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.338	18.16	18.31	18.53	18.02	24.28	30.00	28.62	36.00
5200MHz	Pass	4.338	18.66	18.58	19.02	18.38	24.69	30.00	29.03	36.00
5240MHz	Pass	4.338	18.25	18.52	18.61	18.13	24.40	30.00	28.74	36.00
5260MHz	Pass	4.690	11.51	12.16	12.03	11.92	17.93	23.97	22.62	29.97
5300MHz	Pass	4.690	11.52	12.28	12.34	12.43	18.18	23.97	22.87	29.97
5320MHz	Pass	4.690	11.52	12.18	12.43	12.31	18.14	23.97	22.83	29.97
5500MHz	Pass	4.634	12.62	13.07	12.81	12.74	18.83	24.00	23.46	30.00
5580MHz	Pass	4.634	12.74	13.11	12.79	13.32	19.02	24.00	23.65	30.00
5700MHz	Pass	4.634	12.68	12.83	12.75	12.87	18.80	24.00	23.43	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.634	12.14	12.44	12.17	12.53	18.34	22.91	22.97	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	4.634	6.73	6.31	6.47	6.34	12.49	30.00	17.12	36.00
5745MHz	Pass	4.634	21.42	21.92	21.96	21.66	27.77	30.00	32.40	36.00
5785MHz	Pass	4.634	20.46	20.52	20.73	20.15	26.49	30.00	31.12	36.00
5825MHz	Pass	4.634	20.35	20.47	20.65	21.11	26.68	30.00	31.31	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.338	19.55	19.49	19.73	19.21	25.52	30.00	29.86	36.00
5200MHz	Pass	4.338	19.28	19.11	19.45	18.83	25.19	30.00	29.53	36.00
5240MHz	Pass	4.338	19.37	19.23	19.54	19.34	25.39	30.00	29.73	36.00
5260MHz	Pass	4.690	12.54	12.97	12.94	12.87	18.85	24.00	23.54	30.00
5300MHz	Pass	4.690	12.62	13.28	13.41	13.45	19.22	24.00	23.91	30.00
5320MHz	Pass	4.690	12.52	13.17	13.46	13.43	19.18	24.00	23.87	30.00
5500MHz	Pass	4.634	13.41	13.83	13.56	13.51	19.60	24.00	24.23	30.00
5580MHz	Pass	4.634	13.65	14.05	13.79	14.17	19.94	24.00	24.57	30.00
5700MHz	Pass	4.634	13.67	13.85	13.56	13.81	19.74	24.00	24.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.634	12.76	13.08	12.89	13.07	18.97	23.02	23.60	29.02
5720MHz Straddle 5.725-5.85GHz	Pass	4.634	7.94	8.01	7.78	8.03	13.96	30.00	18.59	36.00
5745MHz	Pass	4.634	21.33	21.76	21.93	21.46	27.65	30.00	32.28	36.00
5785MHz	Pass	4.634	20.76	20.75	21.06	20.53	26.80	30.00	31.43	36.00
5825MHz	Pass	4.634	20.34	20.46	20.65	20.95	26.63	30.00	31.26	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.338	17.33	17.35	17.61	17.21	23.40	30.00	27.74	36.00
5230MHz	Pass	4.338	20.77	20.91	20.95	20.74	26.86	30.00	31.20	36.00
5270MHz	Pass	4.690	15.16	15.24	15.56	15.38	21.36	24.00	26.05	30.00
5310MHz	Pass	4.690	14.66	15.08	15.62	15.43	21.23	24.00	25.92	30.00
5510MHz	Pass	4.634	15.36	15.79	15.61	15.49	21.59	24.00	26.22	30.00
5590MHz	Pass	4.634	15.38	15.67	15.14	15.39	21.42	24.00	26.05	30.00
5670MHz	Pass	4.634	15.52	15.62	15.36	15.77	21.59	24.00	26.22	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.634	15.3	15.41	15.15	15.3	21.31	24.00	25.94	30.00
5710MHz Straddle	Pass	4.634	4.3	4.29	3.99	4.13	10.20	30.00	14.83	36.00

**Conducted Output Power(Average)****Appendix B**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5.725-5.85GHz										
5755MHz	Pass	4.634	20.41	20.58	20.85	20.32	26.57	30.00	31.20	36.00
5795MHz	Pass	4.634	21.16	21.27	21.45	20.82	27.20	30.00	31.83	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.338	15.83	16.03	16.13	15.87	21.99	30.00	26.33	36.00
5290MHz	Pass	4.690	17.12	17.02	17.51	17.62	23.35	24.00	28.04	30.00
5530MHz	Pass	4.634	15.11	15.63	15.45	15.45	21.43	24.00	26.06	30.00
5610MHz	Pass	4.634	17.62	18.23	17.72	17.63	23.83	24.00	28.46	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.634	17.31	17.69	17.63	18.06	23.70	24.00	28.33	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.634	3.12	3	2.87	3.64	9.19	30.00	13.82	36.00
5775MHz	Pass	4.634	17.34	17.15	17.39	17.08	23.26	30.00	27.89	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	4.634	14.05	14.21	13.78	13.75	19.97	24.00	24.60	30.00

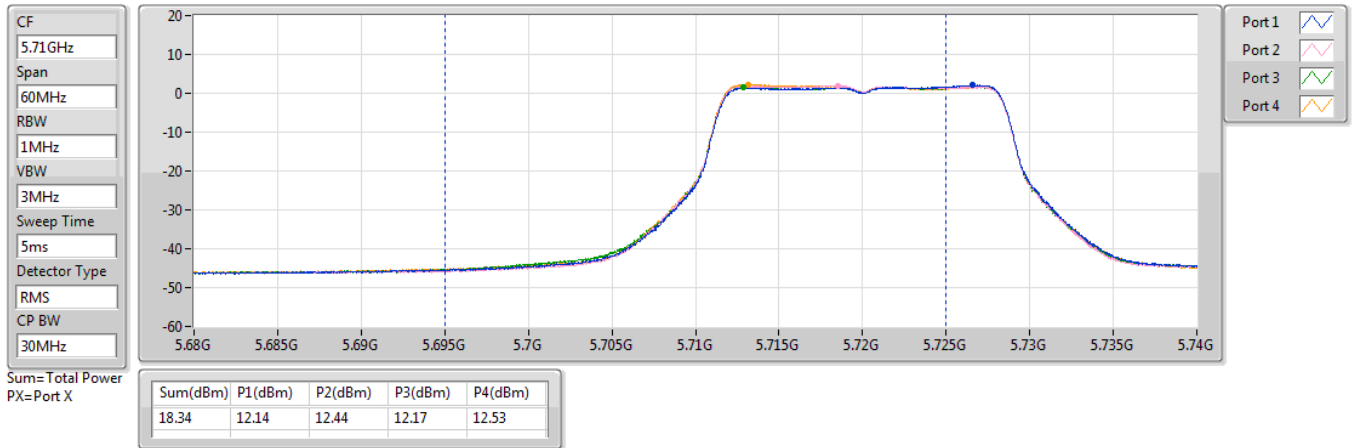
DG = Directional Gain; Port X = Port X output power



5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

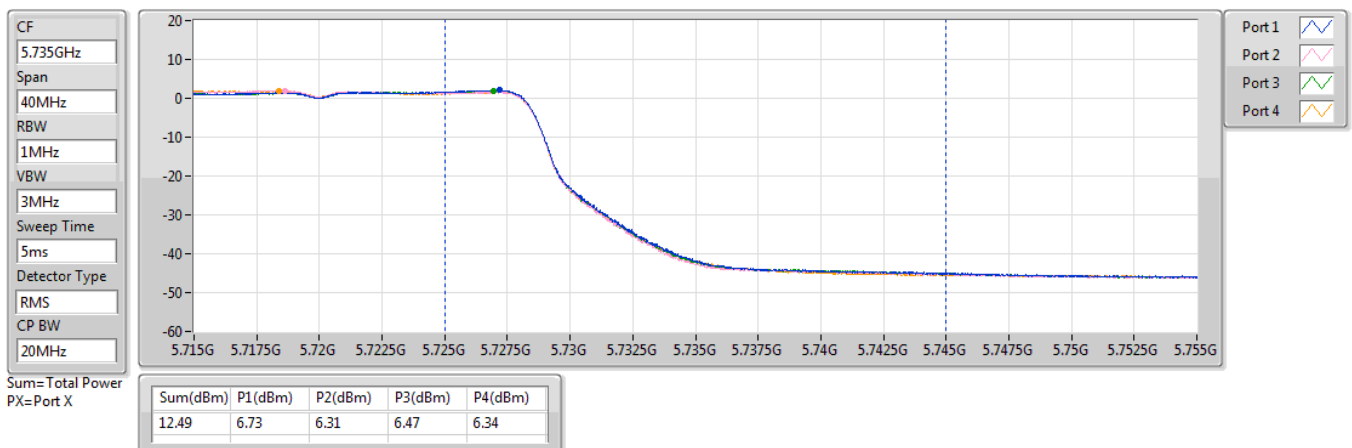
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5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

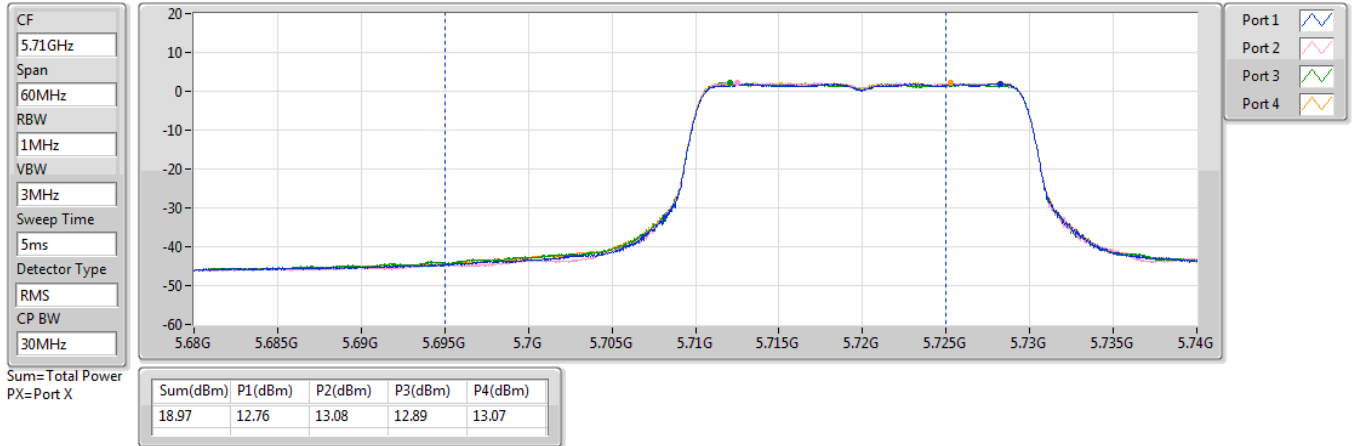
5720MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

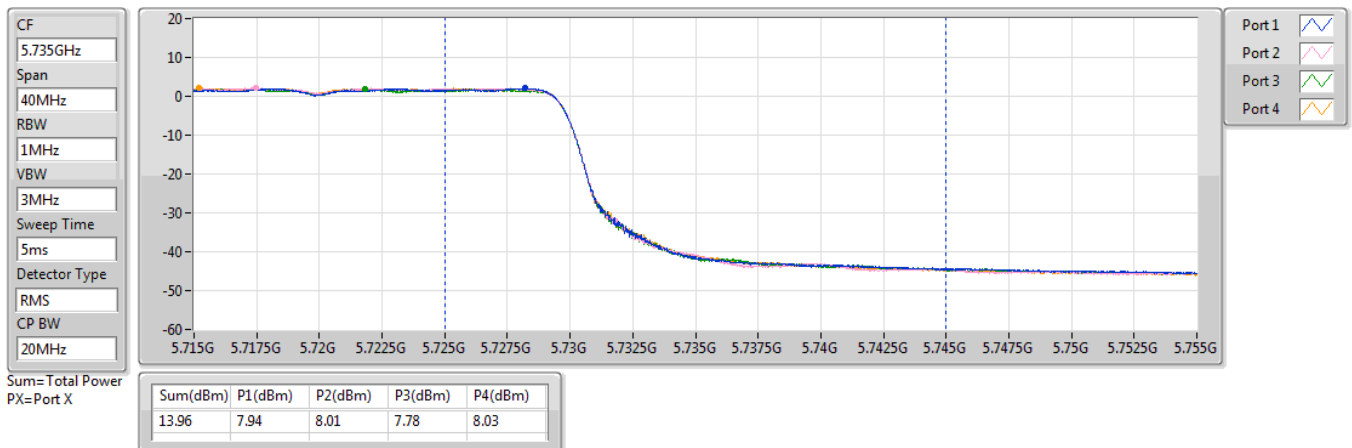
5720MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

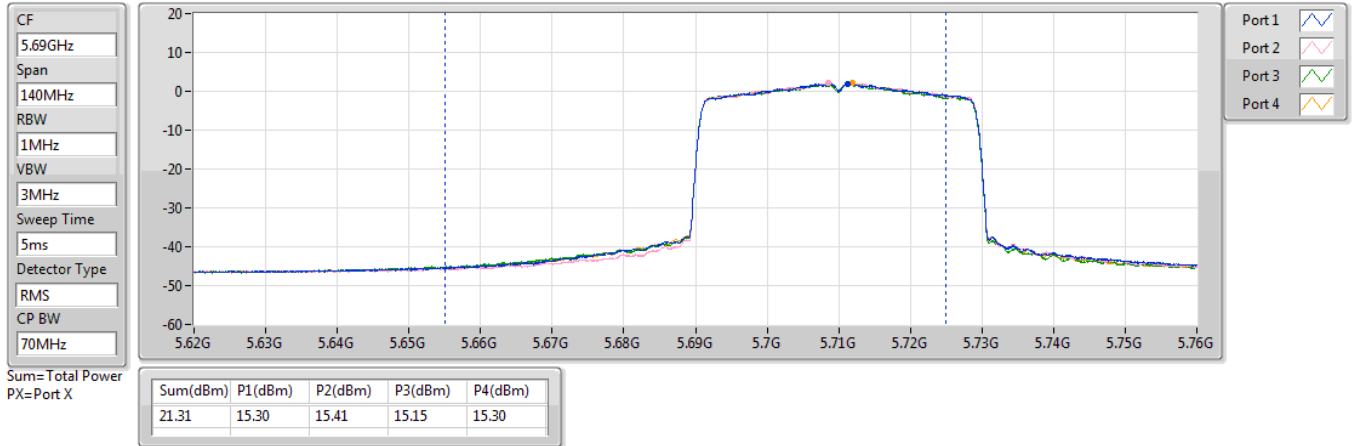




5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

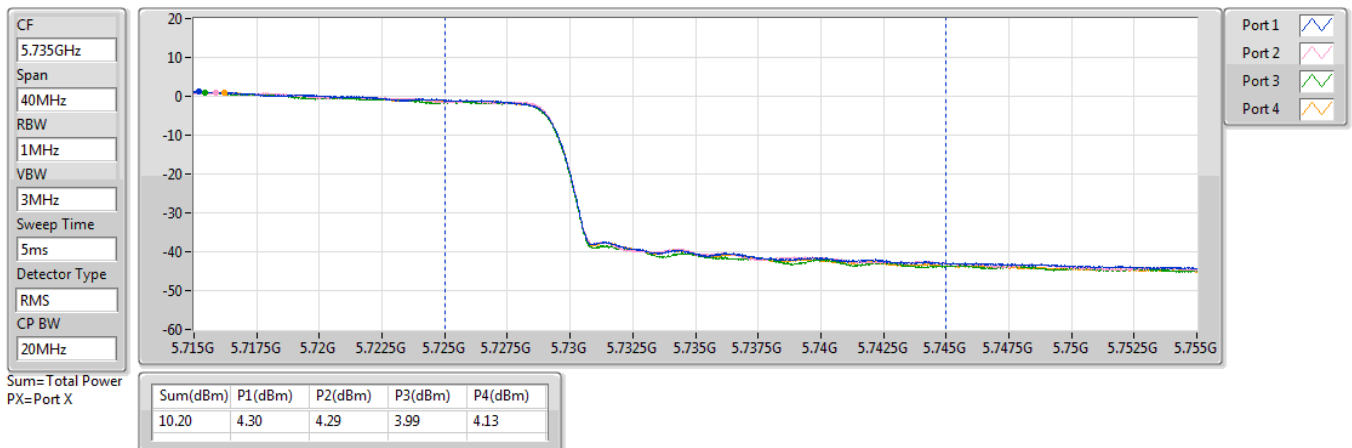
5710MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

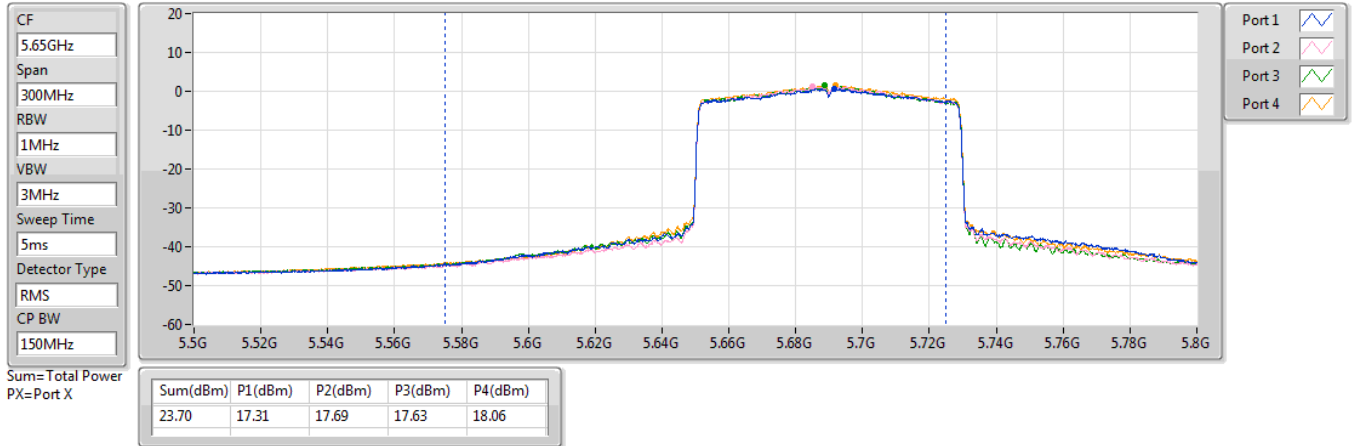
5710MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

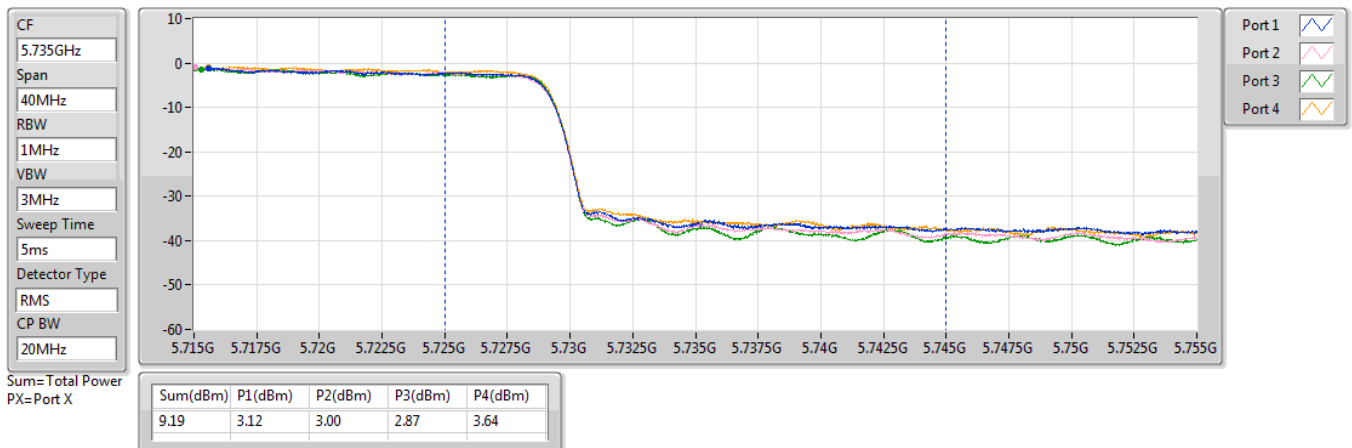
5690MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX



Beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.43	0.34914	35.31	3.39625
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	25.91	0.38994	35.79	3.79315
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.82	0.15205	31.70	1.47911
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.12	0.08166	29.46	0.88308
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	19.25	0.08414	29.59	0.90991
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	19.42	0.08750	29.76	0.94624
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.06	0.08054	29.45	0.88105
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	19.46	0.08831	29.84	0.96383
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	19.23	0.08375	29.62	0.91622
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.33	0.08570	29.71	0.93541
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.44	0.34995	35.80	3.80189
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	25.40	0.34674	35.77	3.77572
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.00	0.19953	33.37	2.17270

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.882	19.35	19.56	19.48	19.25	25.43	26.12	35.31	36.00
5200MHz	Pass	9.882	19.06	18.92	19.76	18.61	25.13	26.12	35.01	36.00
5240MHz	Pass	9.882	19.13	19.21	19.54	19.56	25.38	26.12	35.26	36.00
5260MHz	Pass	10.338	12.55	12.91	12.68	13.12	18.84	19.66	29.18	30.00
5300MHz	Pass	10.338	12.1	13.28	13.61	13.27	19.12	19.66	29.46	30.00
5320MHz	Pass	10.338	12.46	12.54	13.36	13.57	19.03	19.66	29.37	30.00
5500MHz	Pass	10.385	12.81	13.33	12.86	13.13	19.06	19.62	29.45	30.00
5580MHz	Pass	10.385	13.05	13.02	13.11	12.81	19.02	19.62	29.41	30.00
5700MHz	Pass	10.385	12.86	13.12	13.01	12.93	19.00	19.62	29.38	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.385	11.25	11.69	12.36	12.02	17.87	18.56	28.26	28.95
5720MHz Straddle 5.725-5.85GHz	Pass	10.365	6.21	5.48	6.59	6.69	12.29	25.63	22.66	36.00
5745MHz	Pass	10.365	19.53	19.28	19.44	19.43	25.44	25.63	35.80	36.00
5785MHz	Pass	10.365	19.03	19.32	19.23	19.14	25.20	25.63	35.56	36.00
5825MHz	Pass	10.365	18.67	19.12	19.08	20.05	25.28	25.63	35.65	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.882	16.95	17.59	17.85	16.81	23.34	26.12	33.22	36.00
5230MHz	Pass	9.882	19.67	19.93	20.03	19.92	25.91	26.12	35.79	36.00
5270MHz	Pass	10.338	12.85	13.28	13.19	13.37	19.20	19.66	29.54	30.00
5310MHz	Pass	10.338	12.86	13.24	13.26	13.53	19.25	19.66	29.59	30.00
5510MHz	Pass	10.385	12.88	13.57	13.55	13.12	19.31	19.62	29.70	30.00
5590MHz	Pass	10.385	13.44	13.51	13.25	13.55	19.46	19.62	29.84	30.00
5670MHz	Pass	10.385	13.37	13.36	13.37	13.48	19.42	19.62	29.80	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.385	12.7	13.04	13.08	13.07	19.00	19.62	29.38	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.365	2.61	1.34	3.7	3.39	8.87	25.63	19.23	36.00
5755MHz	Pass	10.365	19.45	19.42	19.31	19.35	25.40	25.63	35.77	36.00
5795MHz	Pass	10.365	19.43	19.37	19.49	19.12	25.38	25.63	35.74	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.882	15.61	16.05	15.71	15.82	21.82	26.12	31.70	36.00
5290MHz	Pass	10.338	13.02	13.18	13.36	13.96	19.42	19.66	29.76	30.00
5530MHz	Pass	10.385	13.02	13.14	13.39	13.28	19.23	19.62	29.62	30.00
5610MHz	Pass	10.385	13.17	13.38	12.95	13.05	19.16	19.62	29.55	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.385	13.12	13.16	13.3	13.13	19.20	19.62	29.59	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.365	-0.35	-2.2	0.86	-0.01	5.73	25.63	16.09	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5775MHz	Pass	10.365	17.06	16.76	17.12	16.95	23.00	25.63	33.37	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	10.385	13.63	13.52	13.22	12.83	19.33	19.62	29.71	30.00

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

For 5180~5240MHz:

Directional gain = $10 \times \log((10^{3.983/20} + 10^{3.713/20} + 10^{3.385/20} + 10^{4.338/20})^2/4) = 9.882 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 30 dBm – (9.882dBi – 6dBi) = 26.12 dBm

For 5260~5320MHz:

Directional gain = $10 \times \log((10^{3.544/20} + 10^{4.354/20} + 10^{4.633/20} + 10^{4.69/20})^2/4) = 10.338 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 24 dBm – (10.338dBi – 6dBi) = 19.66 dBm

For 5500~5700MHz:

Directional gain = $10 \times \log((10^{4.341/20} + 10^{4.289/20} + 10^{4.634/20} + 10^{4.188/20})^2/4) = 10.385 > 6\text{dBi}$, so the limit shall be reduced to 24 dBm – (10.385dBi – 6dBi) = 19.62 dBm

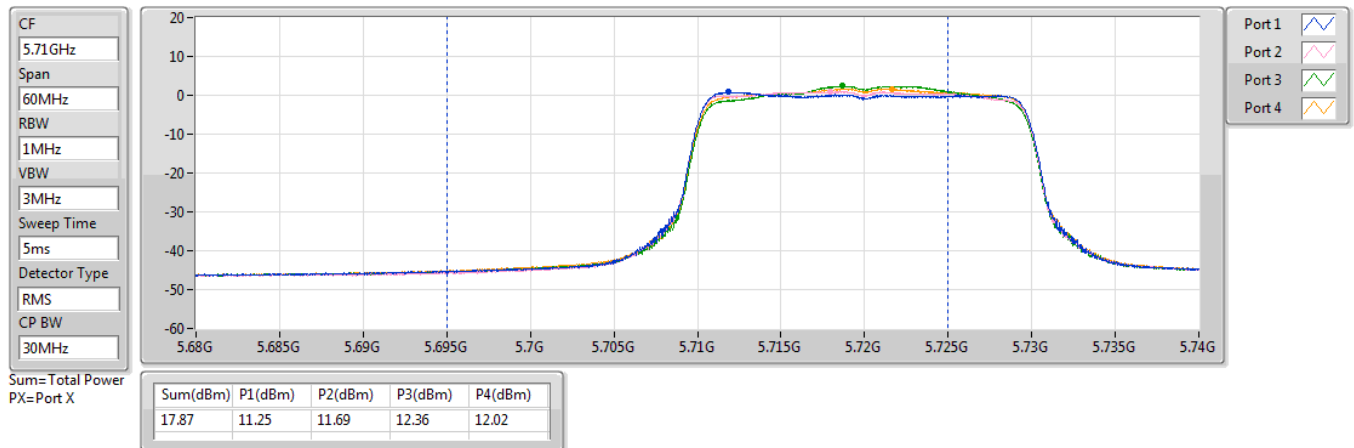
For 5745~5825MHz:

Directional gain = $10 \times \log((10^{4.341/20} + 10^{4.174/20} + 10^{4.634/20} + 10^{4.223/20})^2/4) = 10.365 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 30 dBm – (10.365dBi – 6dBi) = 25.63 dBm

5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

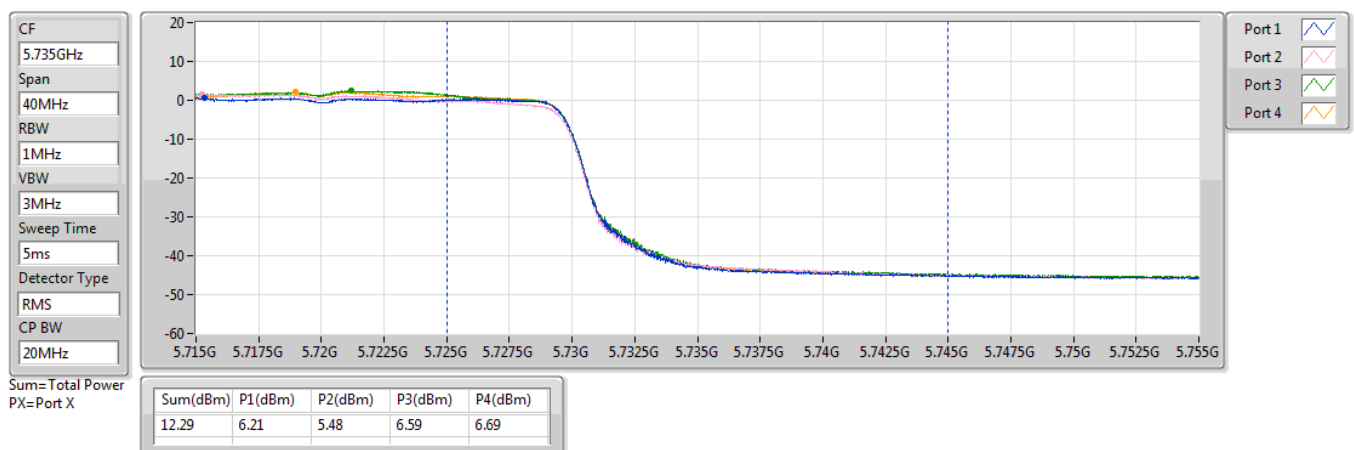
5720MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

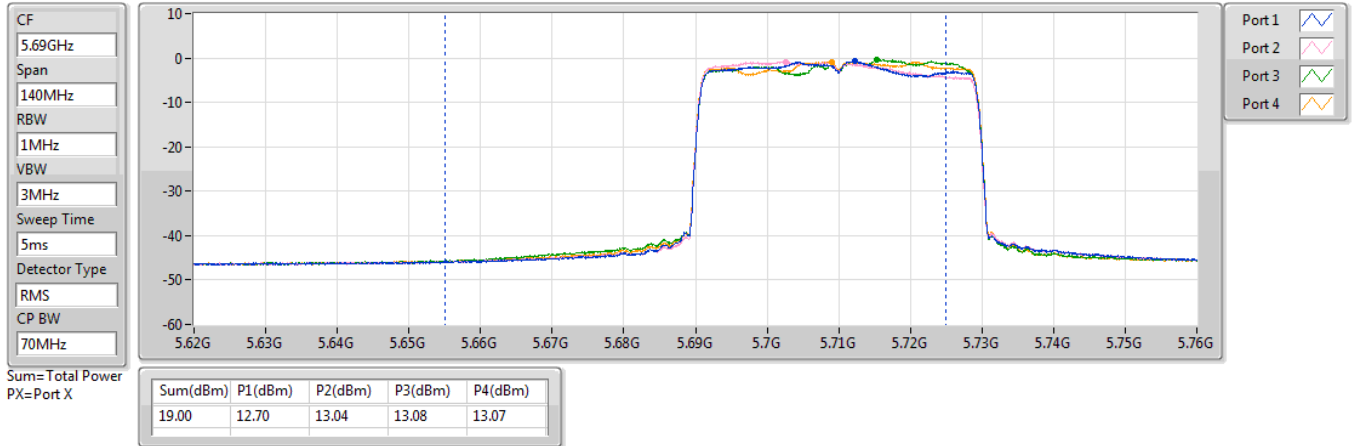




5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

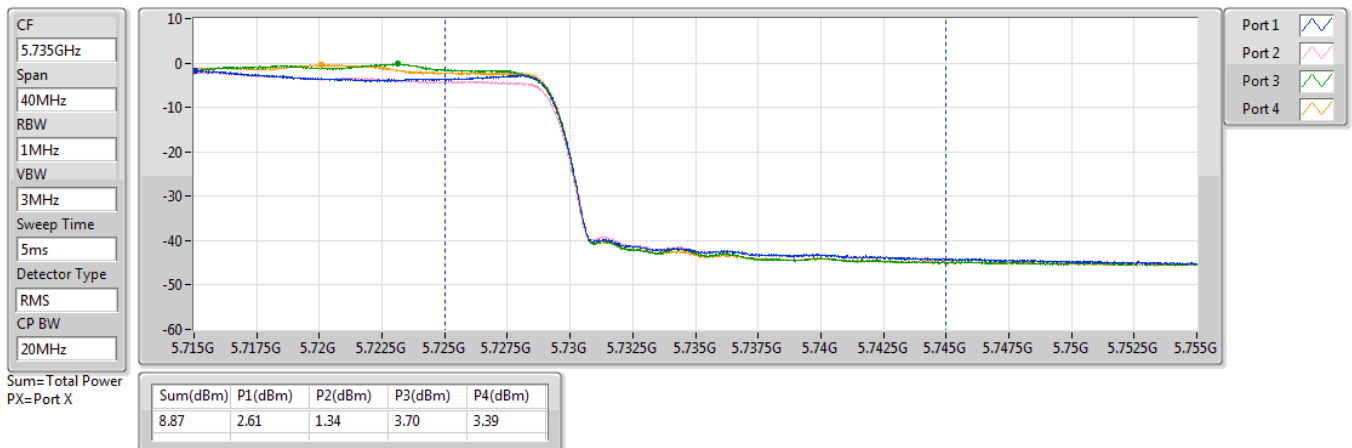
5710MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

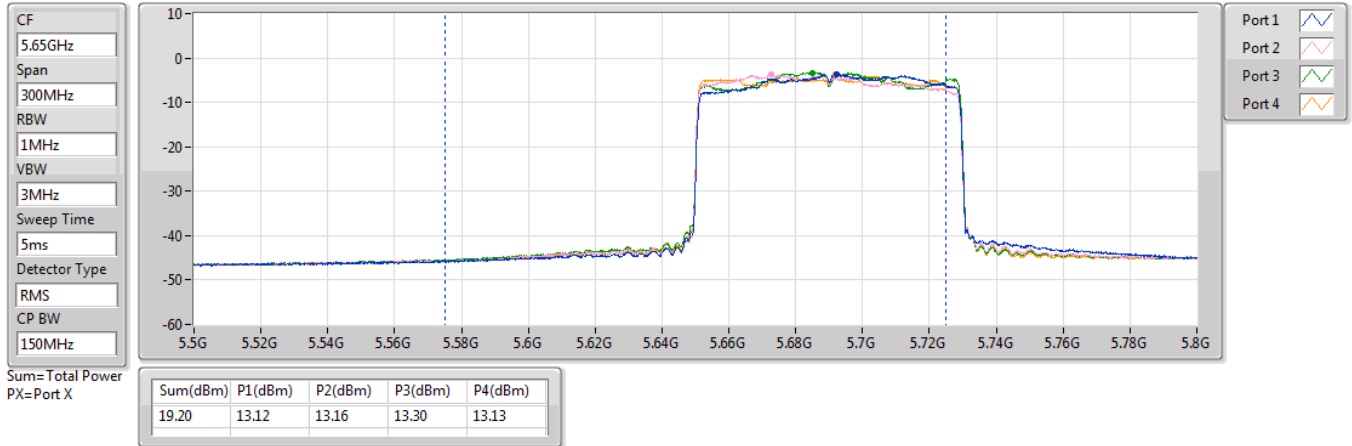




5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

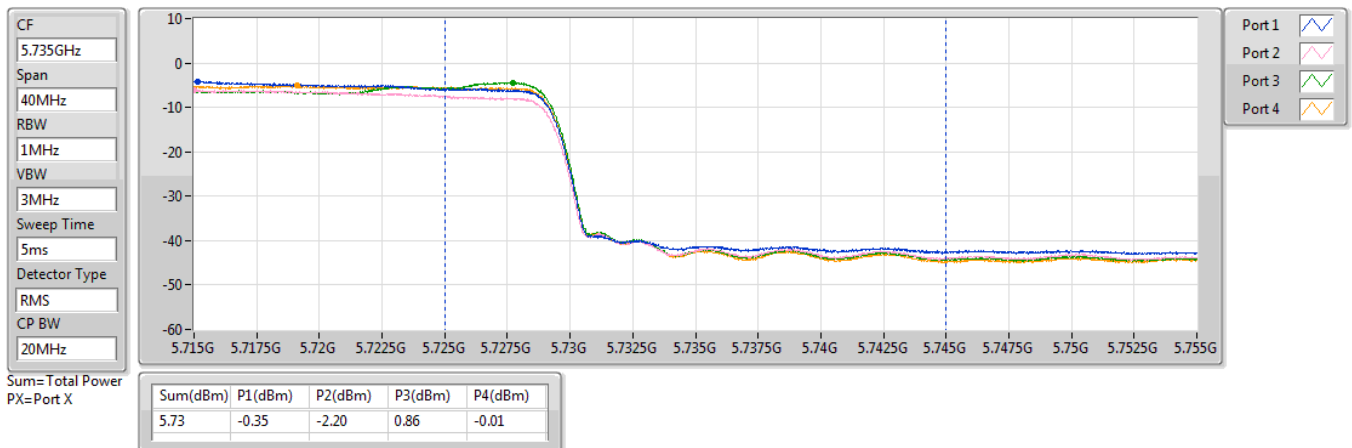
5690MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX



Non-beamforming mode
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.01	22.89
802.11ax HEW20_Nss1,(MCS0)_4TX	12.88	22.76
802.11ax HEW40_Nss1,(MCS0)_4TX	12.64	22.52
802.11ax HEW80_Nss1,(MCS0)_4TX	4.16	14.04
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.46	16.80
802.11ax HEW20_Nss1,(MCS0)_4TX	6.46	16.80
802.11ax HEW40_Nss1,(MCS0)_4TX	6.50	16.84
802.11ax HEW80_Nss1,(MCS0)_4TX	5.95	16.29
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.32	16.70
802.11ax HEW20_Nss1,(MCS0)_4TX	6.49	16.87
802.11ax HEW40_Nss1,(MCS0)_4TX	6.51	16.89
802.11ax HEW80_Nss1,(MCS0)_4TX	5.82	16.20
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.33	10.05
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.56	23.93
802.11ax HEW20_Nss1,(MCS0)_4TX	12.98	23.34
802.11ax HEW40_Nss1,(MCS0)_4TX	10.71	21.08
802.11ax HEW80_Nss1,(MCS0)_4TX	3.84	14.21

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX										
5180MHz	Pass	9.882	6.75	6.93	7.17	6.60	12.79	13.12	22.67	23.00
5200MHz	Pass	9.882	7.60	7.10	7.49	6.44	13.01	13.12	22.89	23.00
5240MHz	Pass	9.882	6.75	6.80	7.10	6.60	12.71	13.12	22.59	23.00
5260MHz	Pass	10.338	-0.04	0.47	0.34	0.21	6.18	6.66	16.52	17.00
5300MHz	Pass	10.338	-0.20	0.97	0.65	0.57	6.43	6.66	16.77	17.00
5320MHz	Pass	10.338	-0.18	0.62	0.80	0.90	6.46	6.66	16.80	17.00
5500MHz	Pass	10.385	0.29	0.53	0.26	0.13	6.21	6.62	16.59	17.00
5580MHz	Pass	10.385	0.26	0.75	0.45	0.83	6.32	6.62	16.70	17.00
5700MHz	Pass	10.385	0.46	0.53	0.43	0.47	6.19	6.62	16.57	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.385	0.24	0.57	0.35	0.77	6.27	6.62	16.66	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	10.365	-0.80	-1.09	-1.10	-1.17	4.86	25.63	15.23	36.00
5745MHz	Pass	10.365	7.58	8.18	7.77	7.63	13.56	25.63	23.93	36.00
5785MHz	Pass	10.365	6.33	6.84	6.42	6.48	12.21	25.63	22.58	36.00
5825MHz	Pass	10.365	6.40	6.83	7.20	6.77	12.59	25.63	22.95	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX										
5180MHz	Pass	9.882	6.92	6.92	7.73	7.09	12.88	13.12	22.76	23.00
5200MHz	Pass	9.882	7.06	6.87	7.19	6.41	12.66	13.12	22.54	23.00
5240MHz	Pass	9.882	6.66	6.88	7.60	6.86	12.69	13.12	22.57	23.00
5260MHz	Pass	10.338	-0.11	0.43	0.54	0.47	6.14	6.66	16.48	17.00
5300MHz	Pass	10.338	-0.03	0.86	0.90	0.85	6.46	6.66	16.80	17.00
5320MHz	Pass	10.338	-0.16	0.52	0.92	0.80	6.32	6.66	16.66	17.00
5500MHz	Pass	10.385	0.36	0.69	0.55	0.55	6.27	6.62	16.66	17.00
5580MHz	Pass	10.385	0.76	1.16	0.61	1.03	6.47	6.62	16.86	17.00
5700MHz	Pass	10.385	0.62	0.60	0.52	0.49	6.23	6.62	16.62	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.385	0.56	0.89	0.93	0.85	6.49	6.62	16.87	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	10.365	-0.68	-0.87	-0.95	-0.70	4.88	25.63	15.25	36.00
5745MHz	Pass	10.365	6.94	7.68	7.35	6.99	12.98	25.63	23.34	36.00
5785MHz	Pass	10.365	6.00	6.41	6.21	5.98	11.87	25.63	22.23	36.00
5825MHz	Pass	10.365	5.72	6.18	6.35	6.11	11.80	25.63	22.16	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX										
5190MHz	Pass	9.882	2.64	2.88	3.14	3.49	8.86	13.12	18.74	23.00
5230MHz	Pass	9.882	6.92	6.97	7.25	6.69	12.64	13.12	22.52	23.00
5270MHz	Pass	10.338	0.49	0.66	0.94	0.53	6.50	6.66	16.84	17.00
5310MHz	Pass	10.338	0.21	0.43	0.83	0.84	6.47	6.66	16.81	17.00
5510MHz	Pass	10.385	0.85	0.78	0.72	0.62	6.51	6.62	16.89	17.00
5590MHz	Pass	10.385	0.55	0.99	0.51	0.71	6.45	6.62	16.84	17.00
5670MHz	Pass	10.385	0.71	0.80	0.78	0.81	6.49	6.62	16.87	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5710MHz Straddle 5.47-5.725GHz	Pass	10.385	0.55	0.92	0.46	0.58	6.45	6.62	16.84	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.365	-3.93	-4.12	-4.21	-4.05	1.78	25.63	12.14	36.00
5755MHz	Pass	10.365	4.36	4.69	4.33	4.36	10.08	25.63	20.45	36.00
5795MHz	Pass	10.365	4.78	5.36	4.87	4.86	10.71	25.63	21.08	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX										
5210MHz	Pass	9.882	-2.02	-1.50	-1.61	-1.43	4.16	13.12	14.04	23.00
5290MHz	Pass	10.338	-0.09	-0.59	0.10	0.98	5.95	6.66	16.29	17.00
5530MHz	Pass	10.385	-1.89	-1.84	-1.92	-2.57	3.88	6.62	14.27	17.00
5610MHz	Pass	10.385	0.09	0.60	-0.21	-0.27	5.82	6.62	16.20	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.385	-0.65	0.35	-0.19	0.43	5.72	6.62	16.11	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.365	-4.89	-4.70	-5.35	-4.68	0.94	25.63	11.30	36.00
5775MHz	Pass	10.365	-2.02	-1.54	-1.80	-1.89	3.84	25.63	14.21	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX										
5570MHz	Pass	10.385	-6.23	-5.61	-6.74	-5.88	-0.33	6.62	10.05	17.00

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

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

For 5180~5240MHz:

Directional gain = $10 \times \log((10^{3.983/20} + 10^{3.713/20} + 10^{3.385/20} + 10^{4.338/20})^2/4) = 9.882 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 17 dBm – (9.882dBi – 6dBi) = 13.12 dBm

For 5260~5320MHz:

Directional gain = $10 \times \log((10^{3.544/20} + 10^{4.354/20} + 10^{4.633/20} + 10^{4.69/20})^2/4) = 10.338 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 11 dBm – (10.338dBi – 6dBi) = 6.66 dBm

For 5500~5700MHz:

Directional gain = $10 \times \log((10^{4.341/20} + 10^{4.289/20} + 10^{4.634/20} + 10^{4.188/20})^2/4) = 10.385 > 6\text{dBi}$, so the limit shall be reduced to 11 dBm – (10.385dBi – 6dBi) = 6.62 dBm

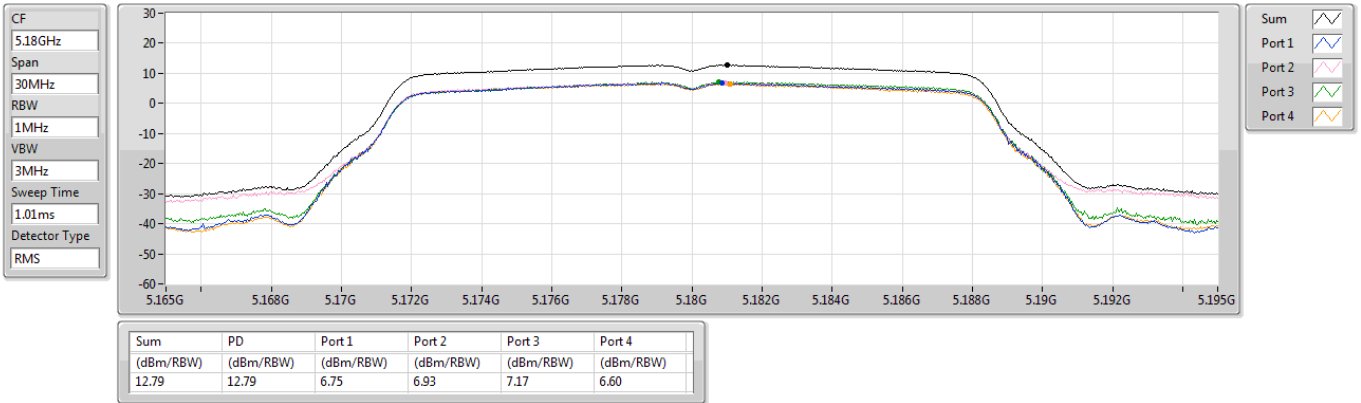
For 5745~5825MHz:

Directional gain = $10 \times \log((10^{4.341/20} + 10^{4.174/20} + 10^{4.634/20} + 10^{4.223/20})^2/4) = 10.365 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 30 dBm – (10.365dBi – 6dBi) = 25.63 dBm

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

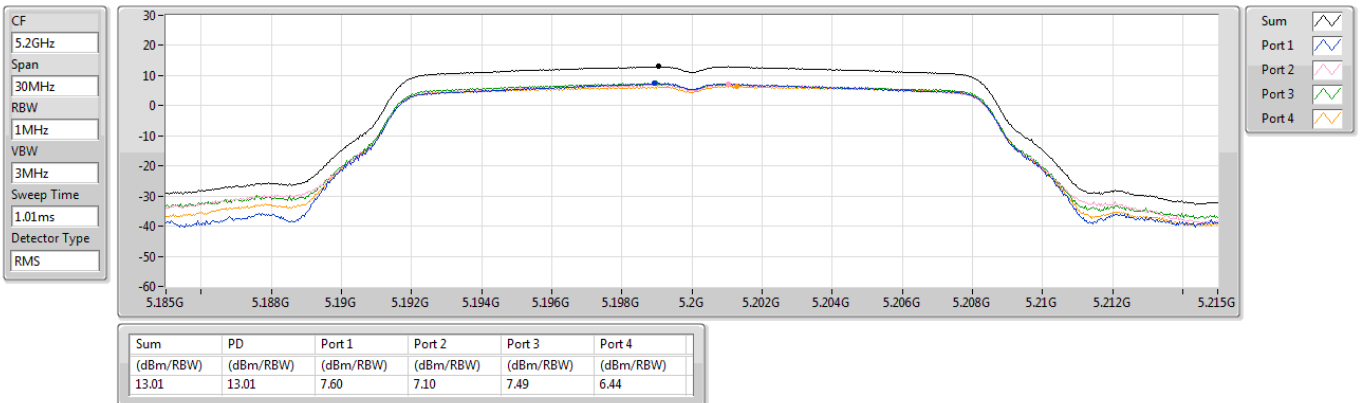
5180MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

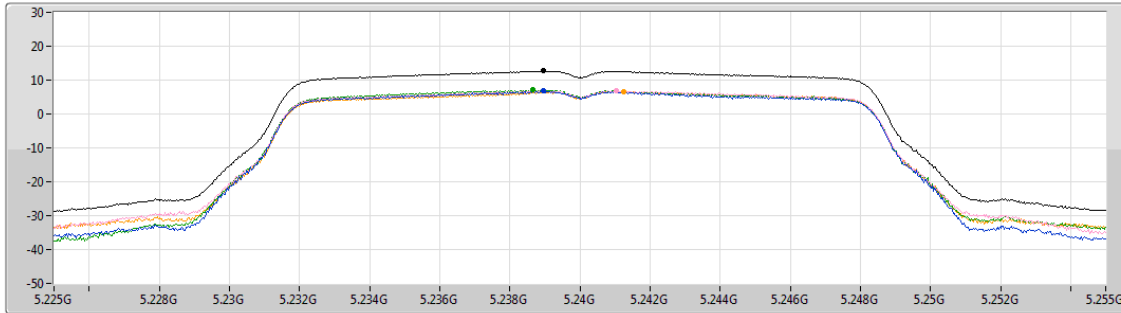


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

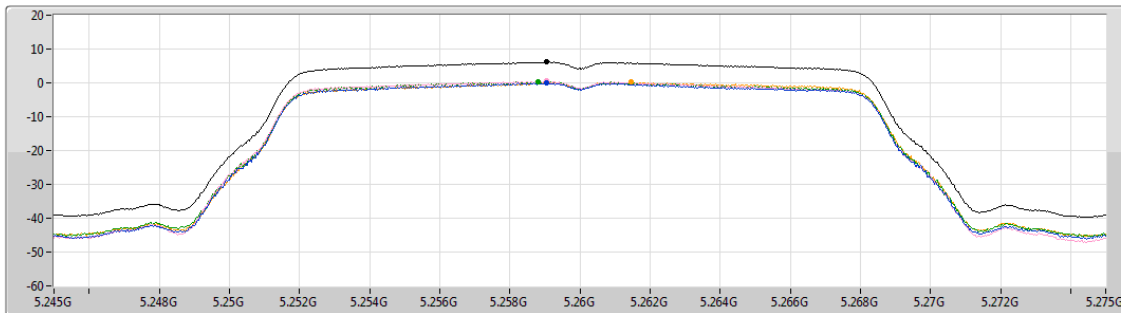
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.71	12.71	6.75	6.80	7.10	6.60

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



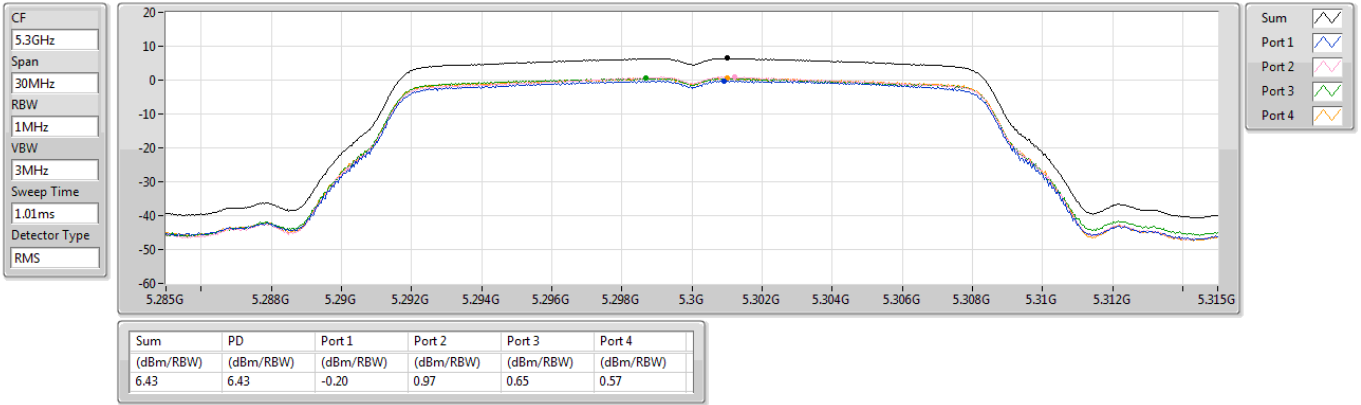
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.18	6.18	-0.04	0.47	0.34	0.21

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

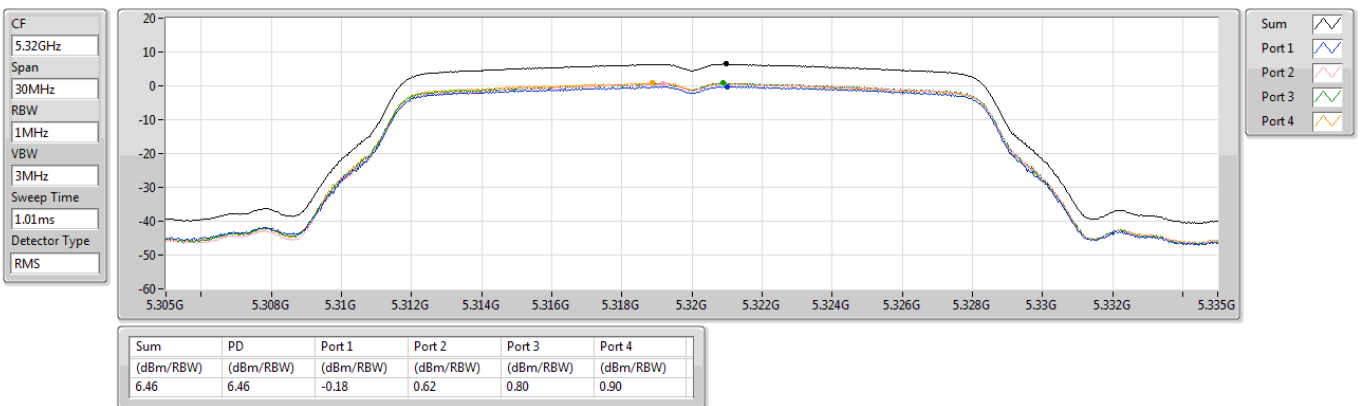
5300MHz



5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

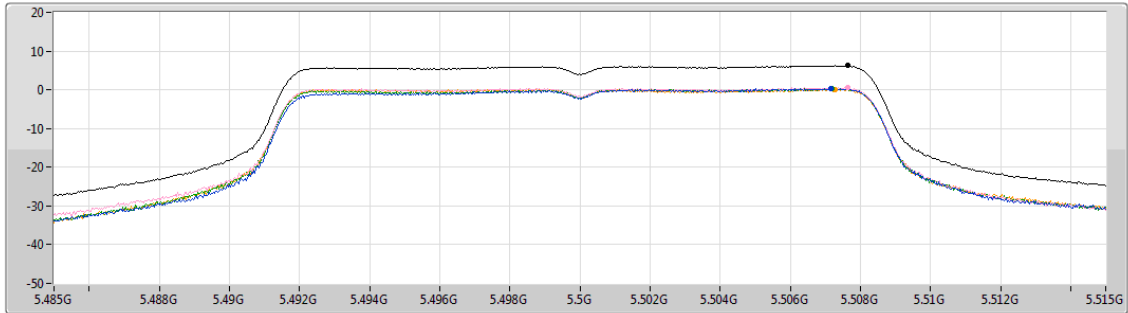


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

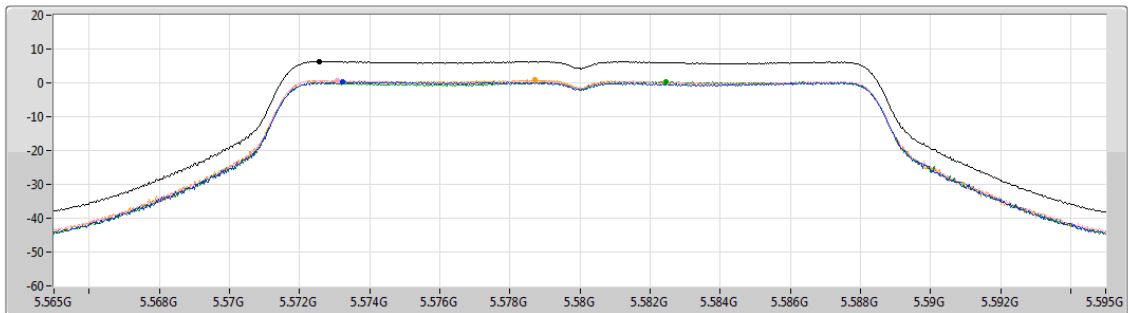
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	0.29	0.53	0.26	0.13

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

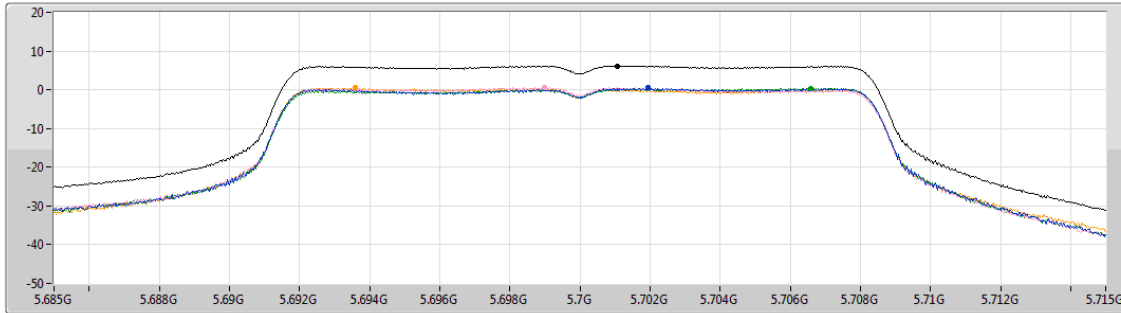
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.32	6.32	0.26	0.75	0.45	0.83

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

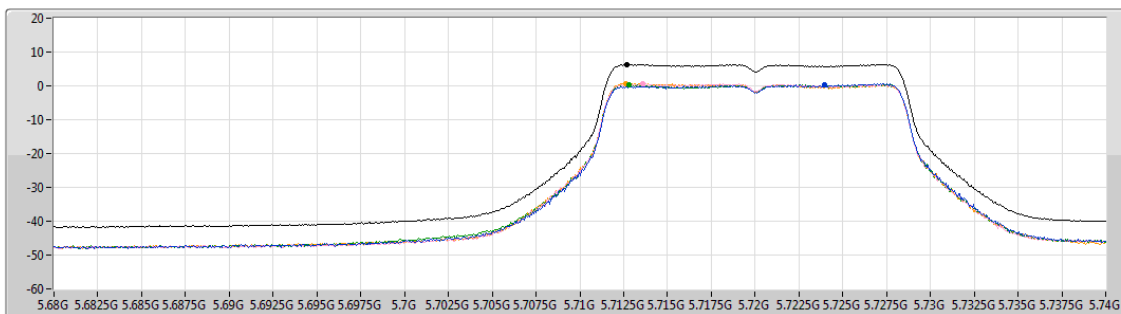
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.19	6.19	0.46	0.53	0.43	0.47

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



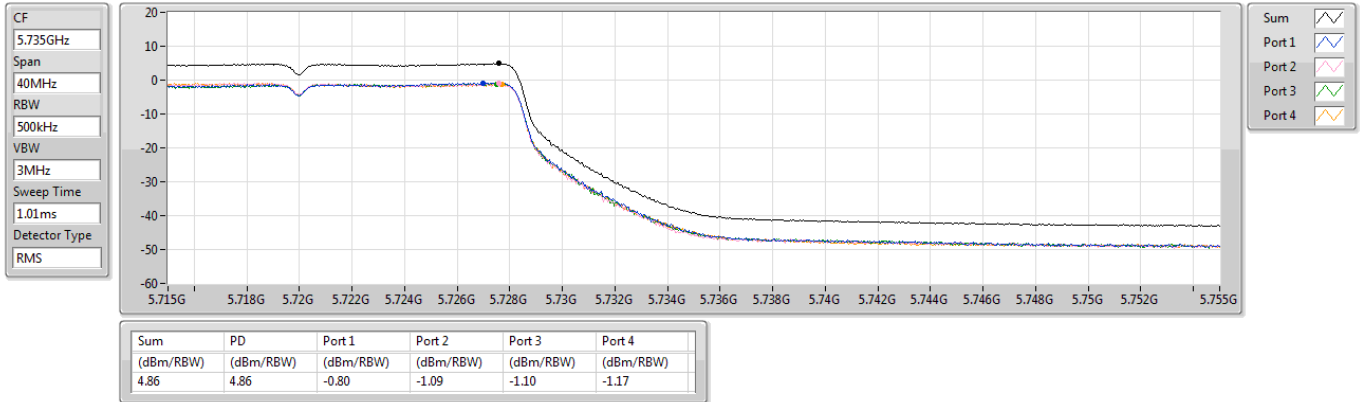
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.27	6.27	0.24	0.57	0.35	0.77

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

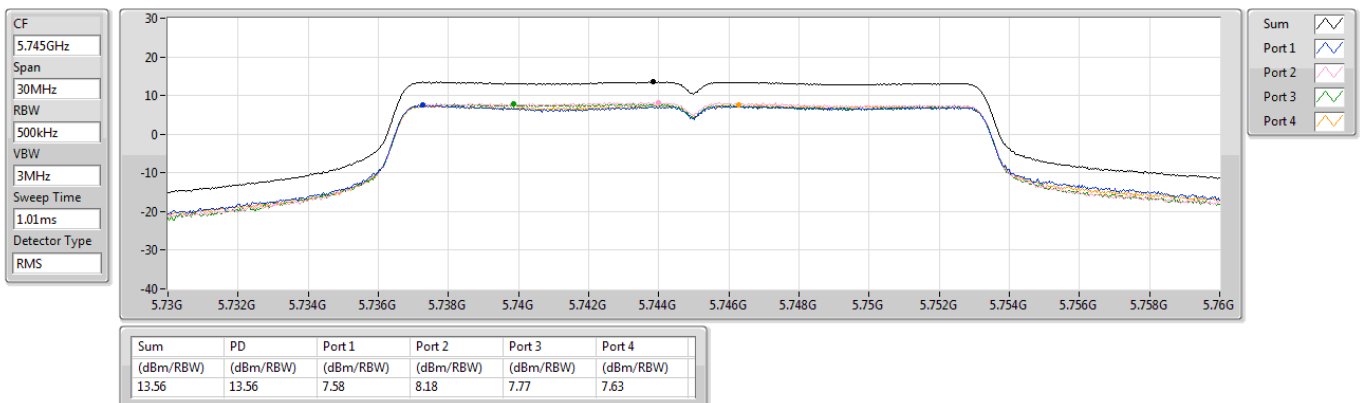
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

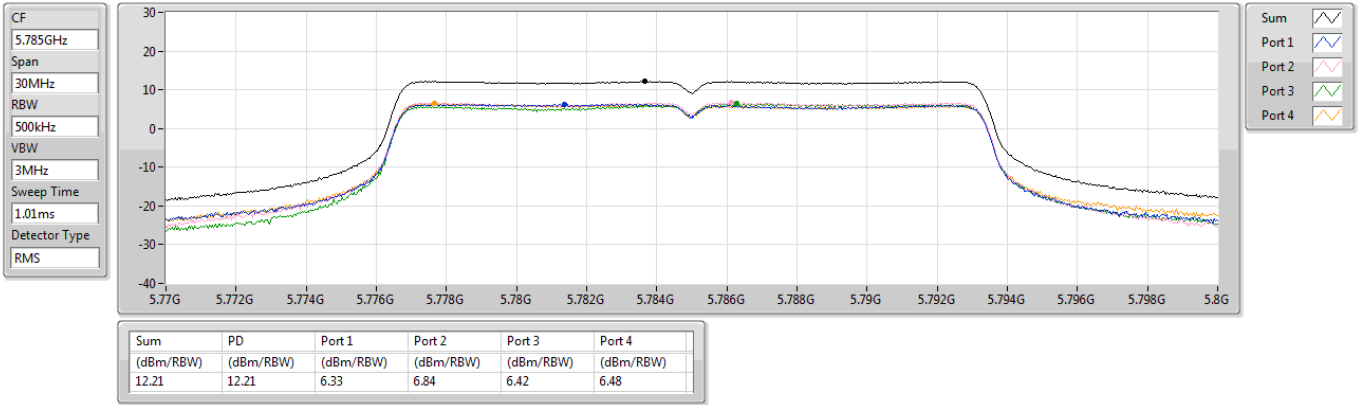
5745MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

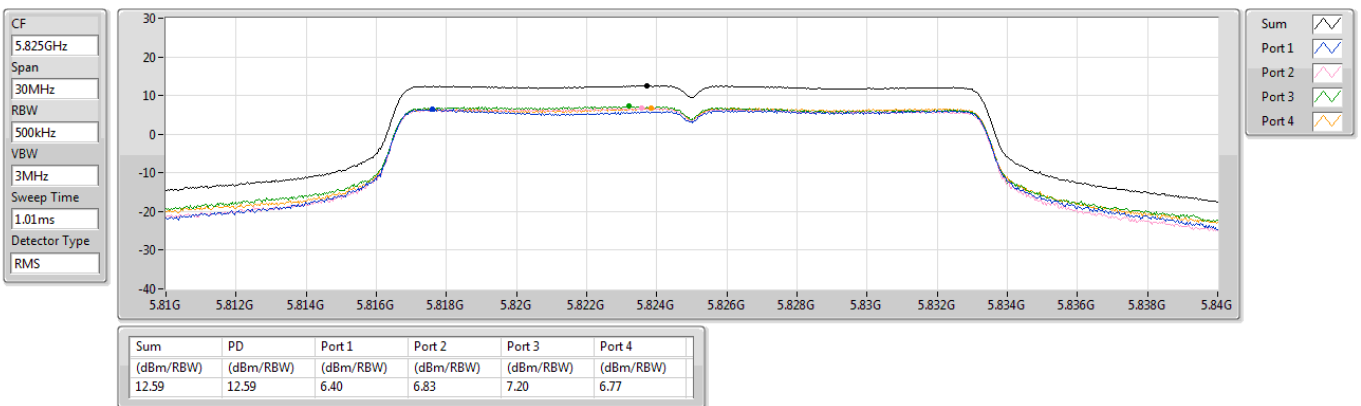
5785MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

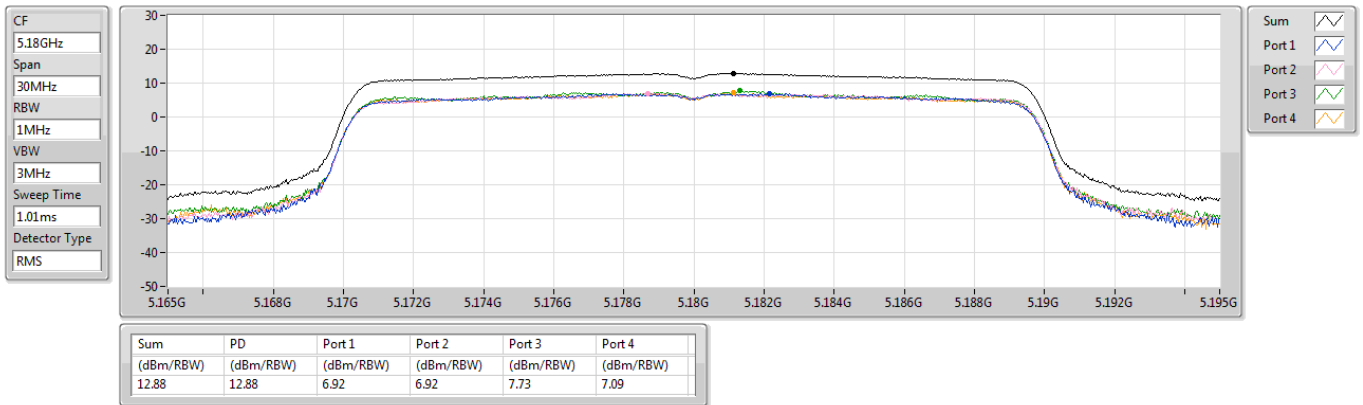
5825MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

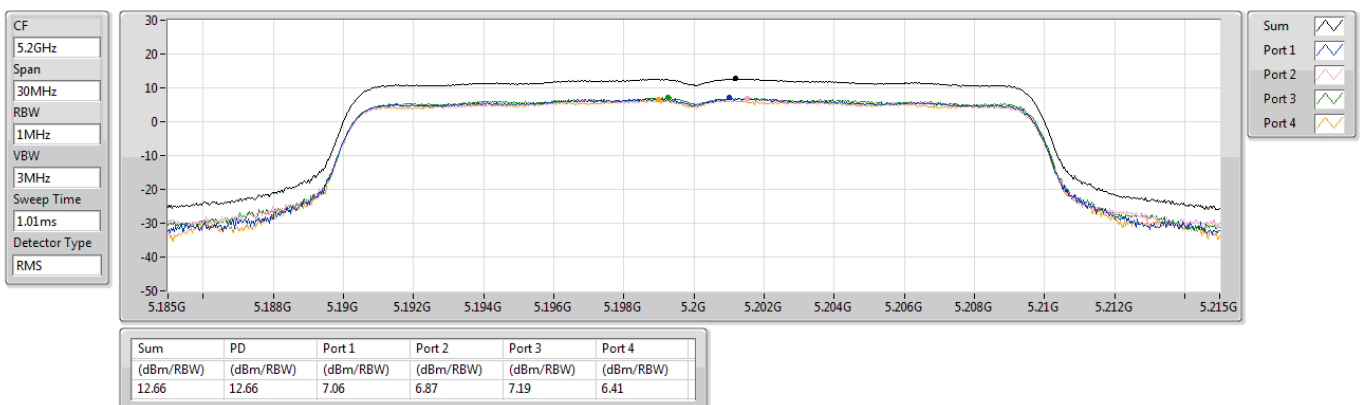
5180MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

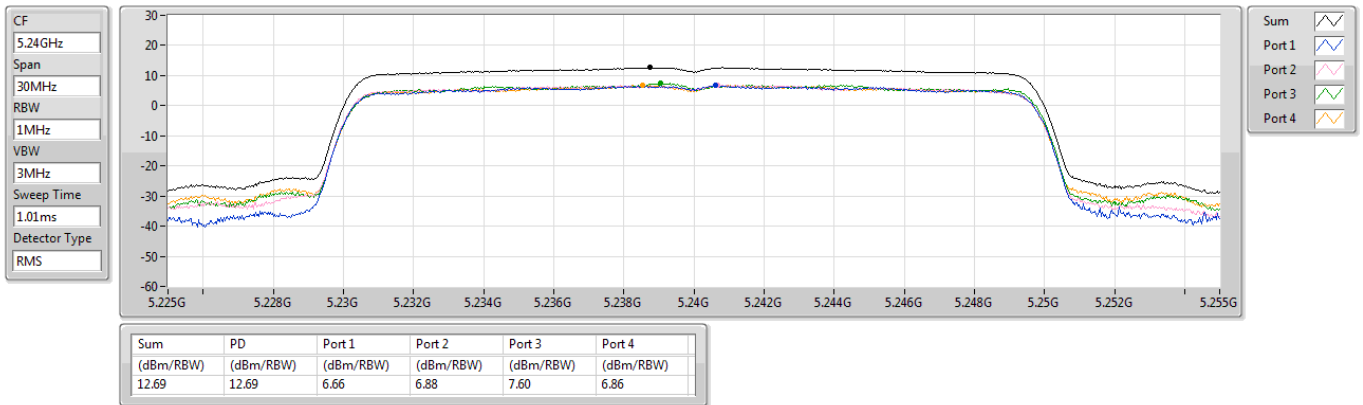




5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

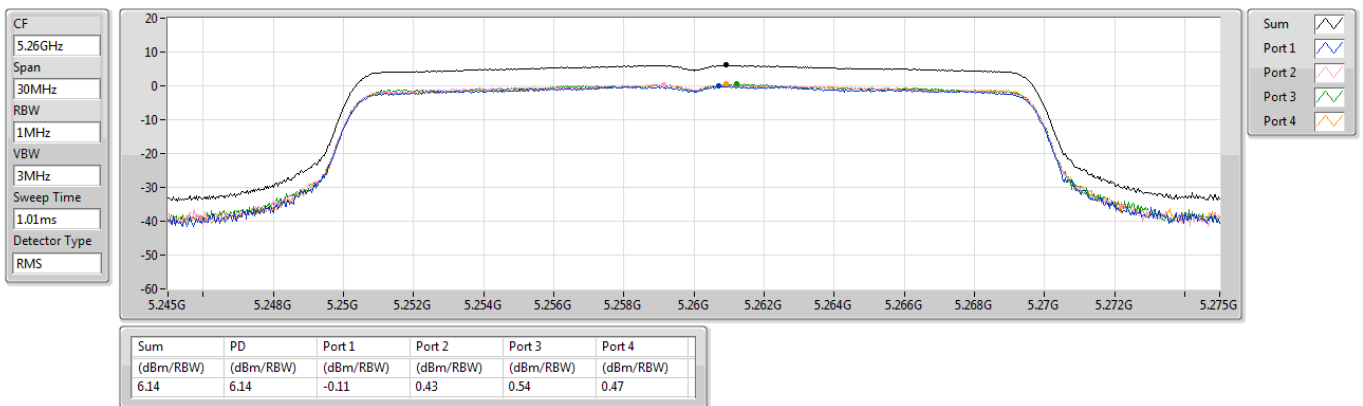
5240MHz



5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

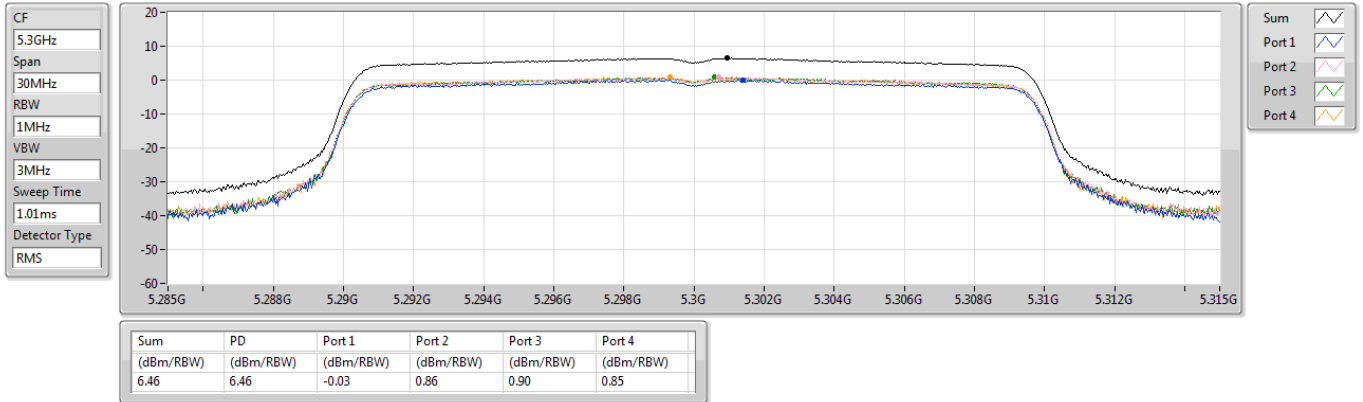
5260MHz



5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

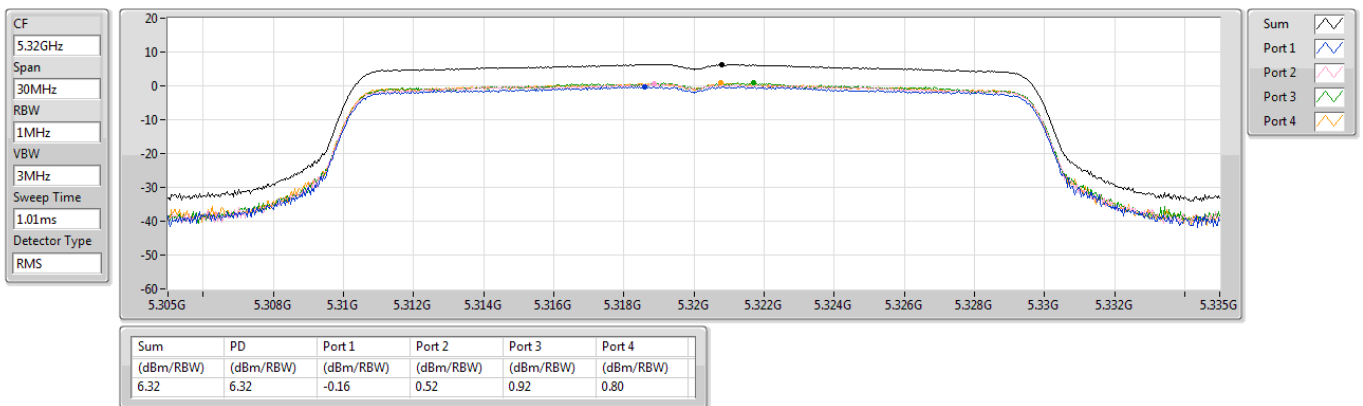
5300MHz



5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

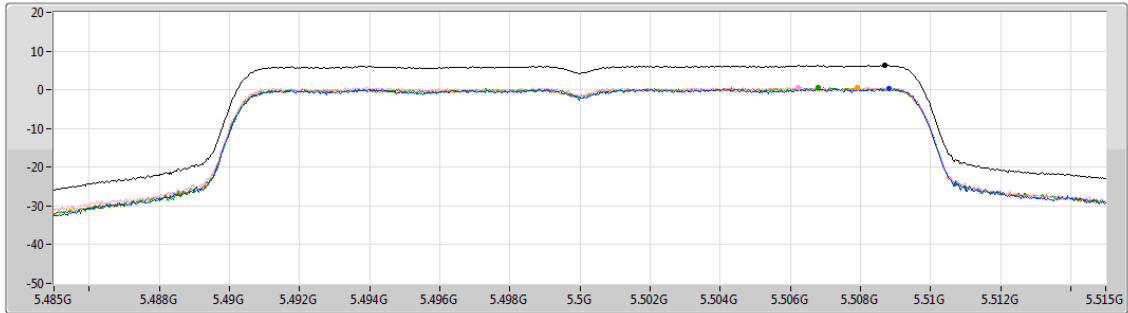


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



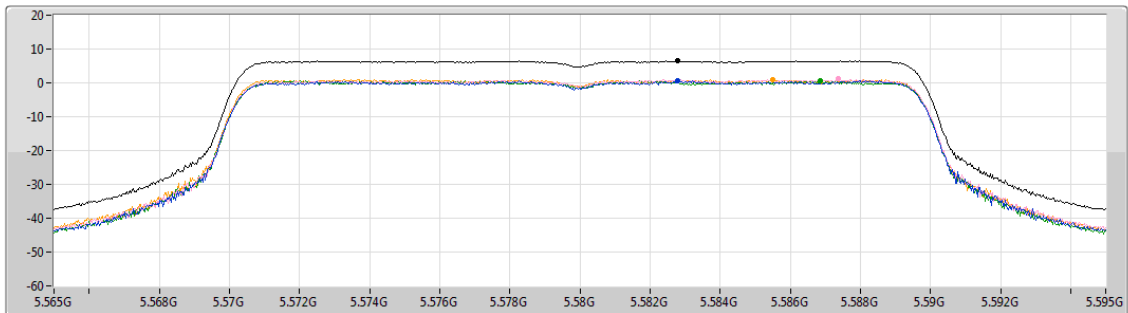
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.27	6.27	0.36	0.69	0.55	0.55

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



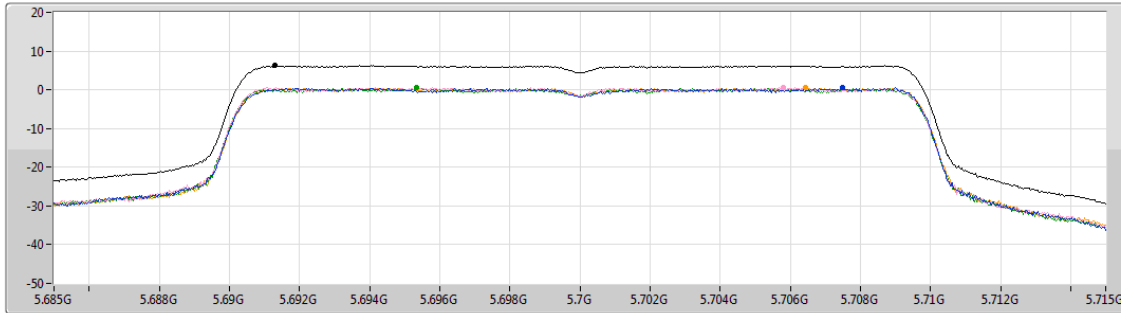
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.47	6.47	0.76	1.16	0.61	1.03

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

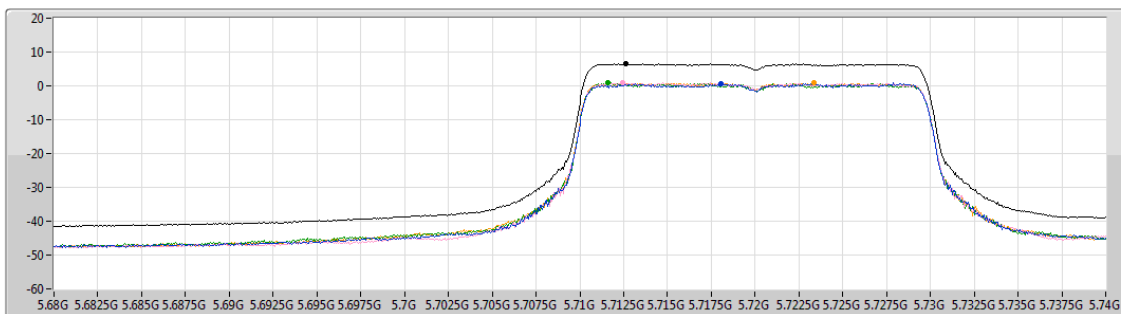
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.23	6.23	0.62	0.60	0.52	0.49

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



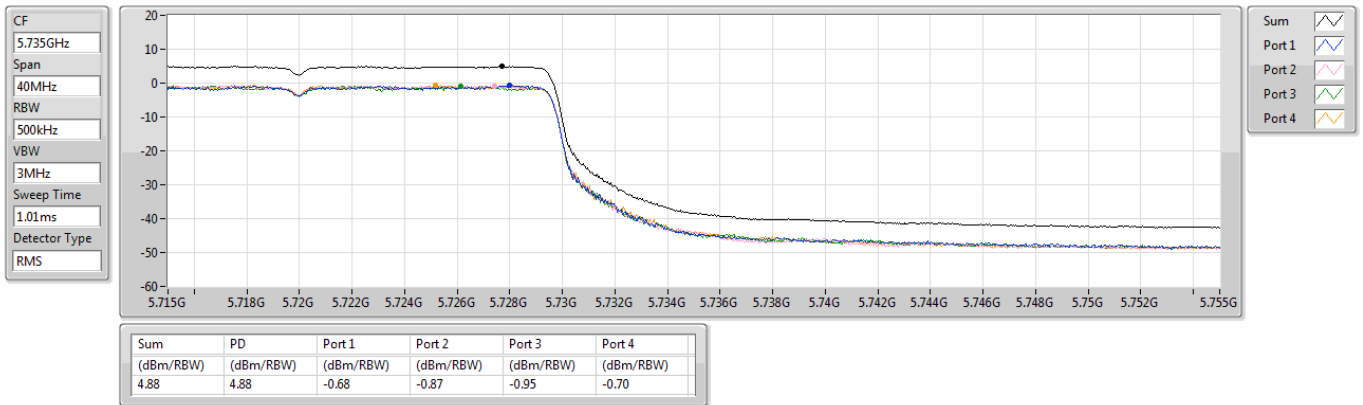
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.49	6.49	0.56	0.89	0.93	0.85

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

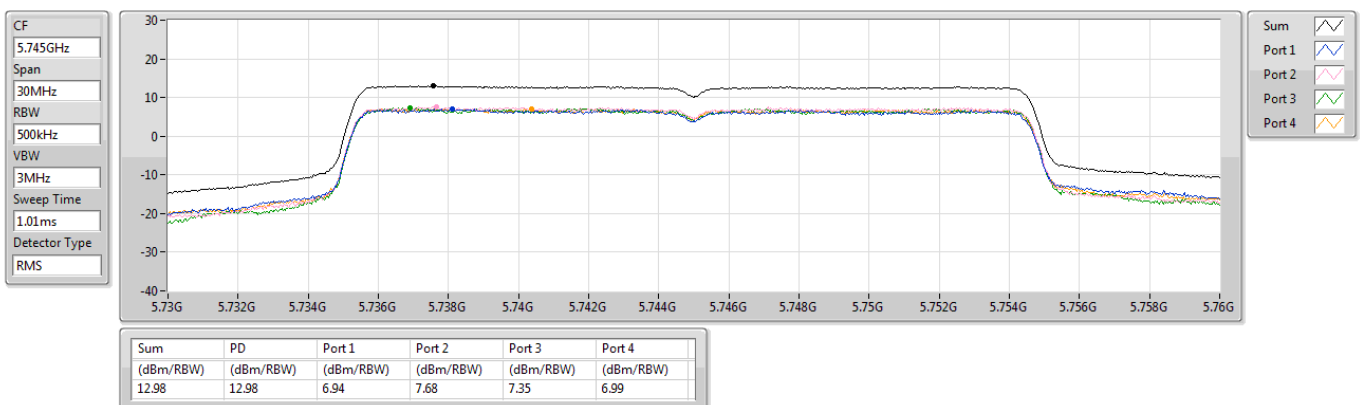
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

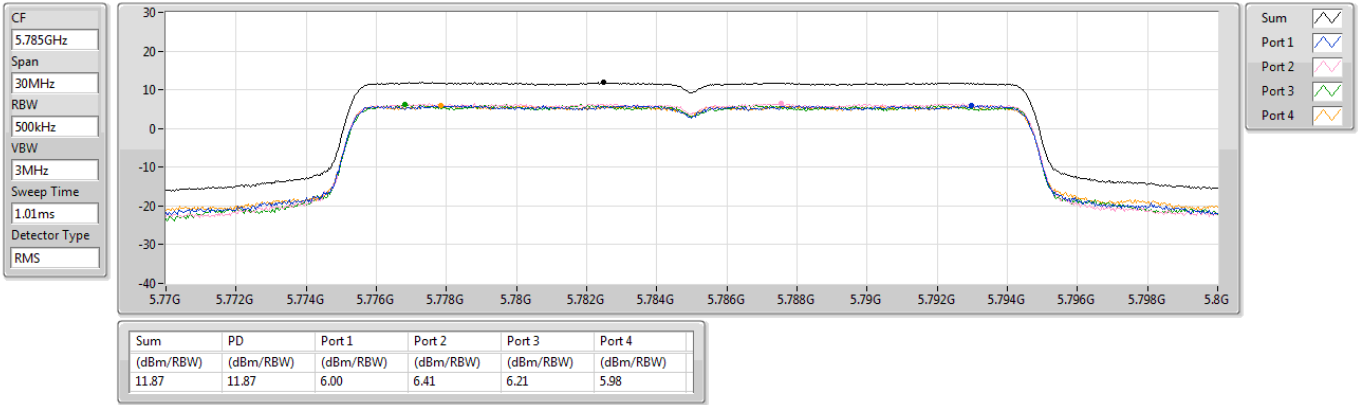
5745MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

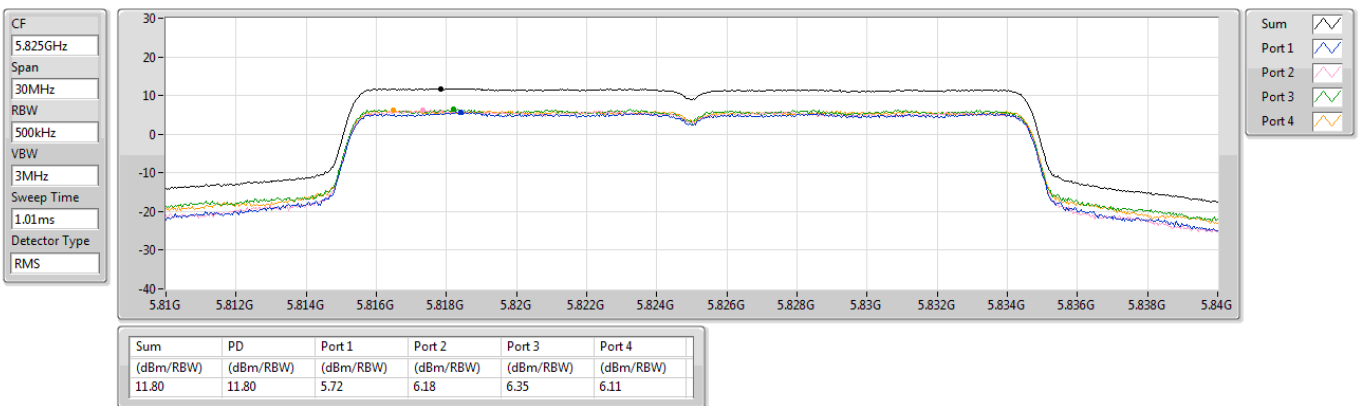
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

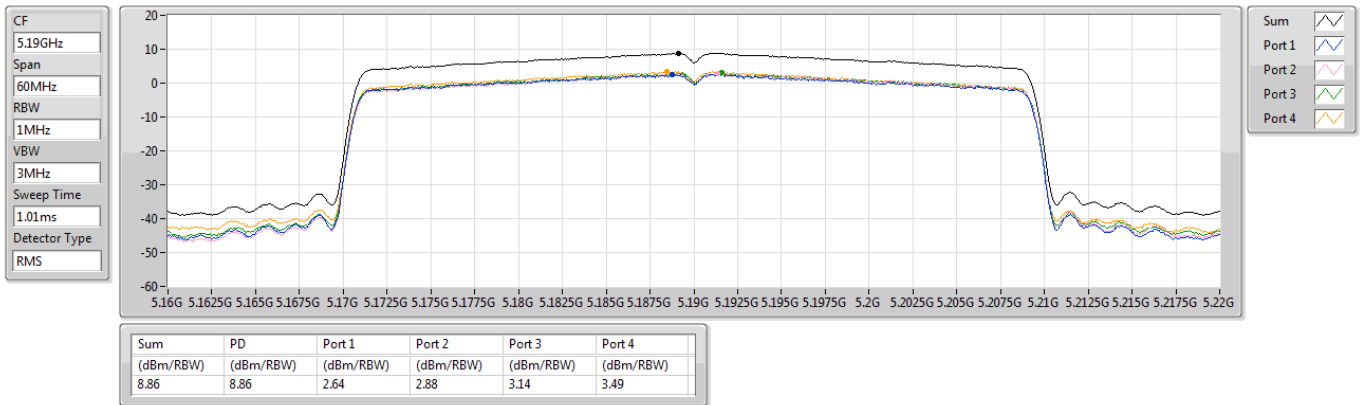
5825MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

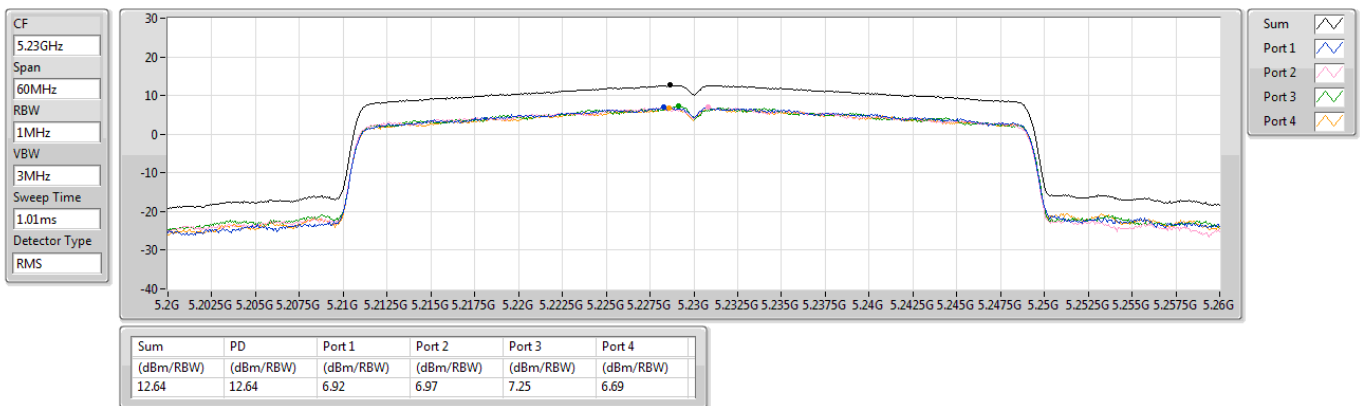
5190MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

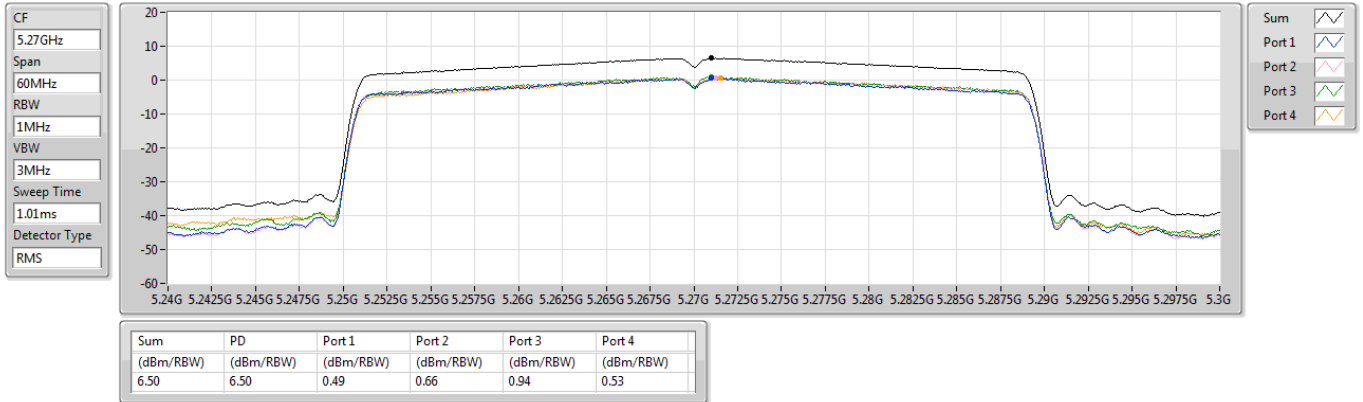
5230MHz



5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

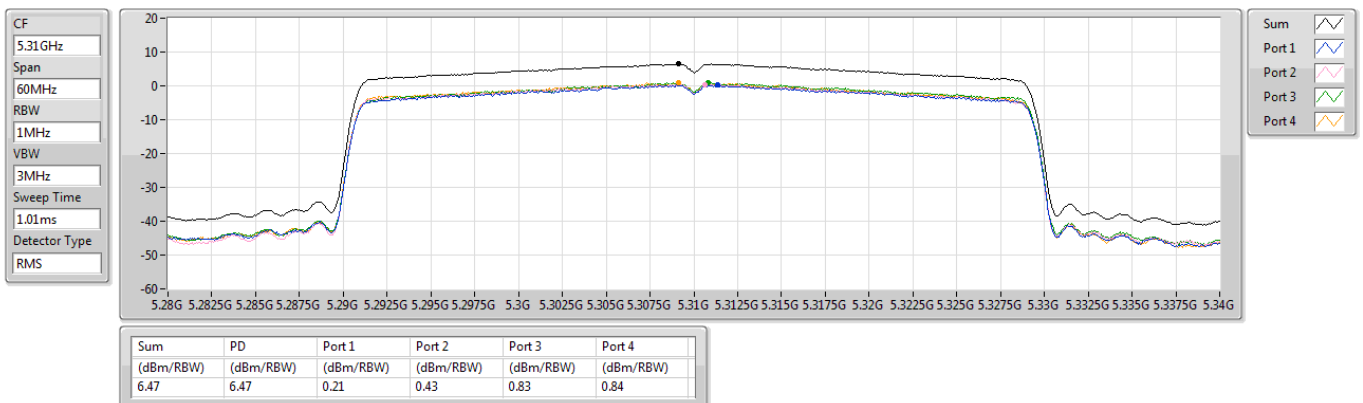
5270MHz



5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

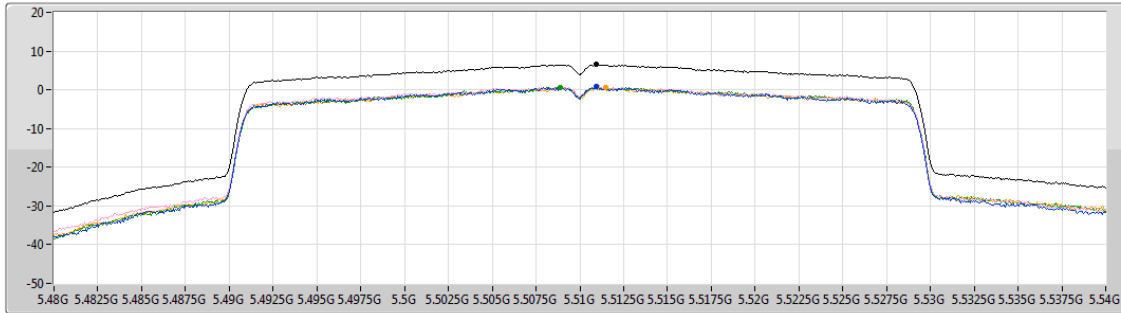


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

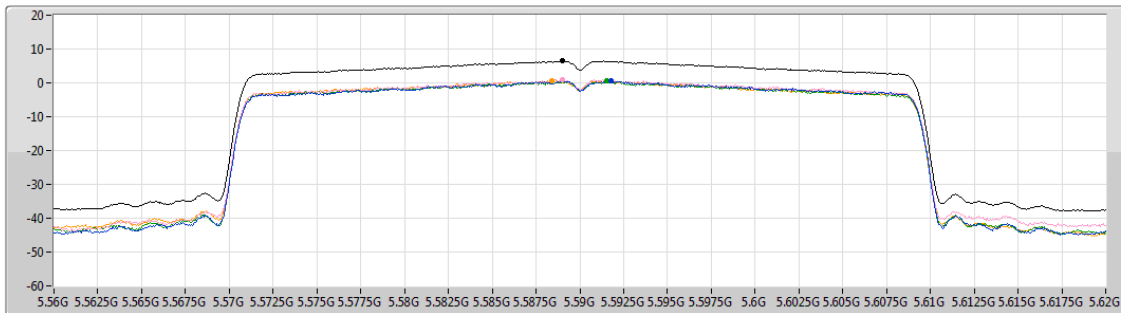
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.51	6.51	0.85	0.78	0.72	0.62

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5590MHz

CF
5.59GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



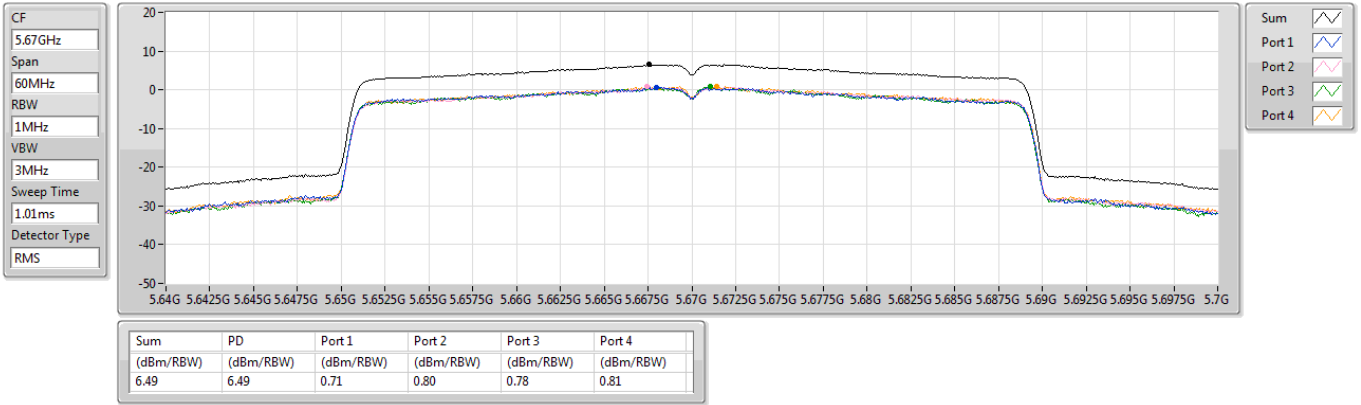
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.45	6.45	0.55	0.99	0.51	0.71

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

