



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.75M	16.984M	17M0D1D	19.8M	16.419M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	23.76M	19.008M	19M0D1D	19.8M	18.82M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	39.468M	37.485M	37M5D1D	39.204M	37.403M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	80.256M	76.728M	76M7D1D	80.256M	76.608M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.816M	16.97M	17M0D1D	23.958M	16.779M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	23.166M	19.03M	19M0D1D	22.11M	18.967M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	39.336M	37.515M	37M5D1D	39.072M	37.389M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	80.256M	76.733M	76M7D1D	79.992M	76.703M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.004M	17.007M	17M0D1D	16.785M	13.474M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	24.09M	19.025M	19M0D1D	15.885M	14.504M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	39.336M	37.501M	37M5D1D	34.65M	33.552M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	80.256M	76.843M	76M8D1D	74.625M	72.857M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.302M	17.537M	17M5D1D	3.2M	5.414M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.81M	19.02M	19M0D1D	4.46M	4.571M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	35.112M	37.538M	37M5D1D	3.86M	4.064M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	73.656M	76.654M	76M7D1D	3.86M	4.402M

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.618M	16.948M	24.354M	16.782M
5200MHz	Pass	Inf	24.75M	16.984M	24.552M	16.8M
5240MHz	Pass	Inf	19.998M	16.492M	19.8M	16.419M
5260MHz	Pass	Inf	24.09M	16.945M	23.958M	16.779M
5300MHz	Pass	Inf	24.09M	16.97M	24.816M	16.804M
5320MHz	Pass	Inf	24.024M	16.966M	24.09M	16.808M
5500MHz	Pass	Inf	24.684M	17.007M	24.156M	16.802M
5580MHz	Pass	Inf	24.552M	16.925M	24.816M	16.782M
5700MHz	Pass	Inf	24.816M	16.976M	26.004M	16.8M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.775M	13.597M	16.785M	13.474M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	5.541M	3.22M	5.414M
5745MHz	Pass	500k	16.104M	16.91M	16.302M	16.803M
5785MHz	Pass	500k	16.302M	17.537M	16.302M	16.802M
5825MHz	Pass	500k	15.906M	16.941M	16.302M	16.805M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5180MHz	Pass	Inf	23.76M	18.979M	22.572M	18.995M
5200MHz	Pass	Inf	23.364M	19.008M	21.978M	19.007M
5240MHz	Pass	Inf	19.8M	18.82M	19.8M	18.84M
5260MHz	Pass	Inf	22.572M	18.999M	22.968M	18.967M
5300MHz	Pass	Inf	22.11M	19.018M	23.034M	18.98M
5320MHz	Pass	Inf	22.44M	19.03M	23.166M	19.016M
5500MHz	Pass	Inf	21.978M	19.01M	22.44M	19.007M
5580MHz	Pass	Inf	23.694M	18.998M	24.09M	18.989M
5700MHz	Pass	Inf	22.044M	19.013M	22.044M	19.025M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.26M	14.515M	15.885M	14.504M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.571M	4.46M	4.586M
5745MHz	Pass	500k	18.81M	19.009M	18.678M	19.007M
5785MHz	Pass	500k	18.282M	19.003M	18.612M	18.987M
5825MHz	Pass	500k	18.612M	19.018M	18.678M	19.02M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5190MHz	Pass	Inf	39.336M	37.485M	39.336M	37.476M
5230MHz	Pass	Inf	39.468M	37.403M	39.204M	37.42M
5270MHz	Pass	Inf	39.072M	37.389M	39.336M	37.496M
5310MHz	Pass	Inf	39.336M	37.448M	39.072M	37.515M
5510MHz	Pass	Inf	39.204M	37.437M	39.336M	37.428M
5590MHz	Pass	Inf	39.336M	37.487M	39.204M	37.379M
5670MHz	Pass	Inf	38.94M	37.501M	39.336M	37.45M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	33.552M	34.65M	33.566M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	4.064M	3.86M	4.329M
5755MHz	Pass	500k	31.416M	37.472M	31.416M	37.525M
5795MHz	Pass	500k	35.112M	37.529M	30.756M	37.538M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5210MHz	Pass	Inf	80.256M	76.728M	80.256M	76.608M
5290MHz	Pass	Inf	80.256M	76.703M	79.992M	76.733M
5530MHz	Pass	Inf	80.256M	76.579M	80.256M	76.66M
5610MHz	Pass	Inf	80.256M	76.818M	80.256M	76.843M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.775M	72.858M	74.625M	72.857M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.402M	3.86M	13.414M
5775MHz	Pass	500k	73.128M	76.654M	73.656M	76.61M

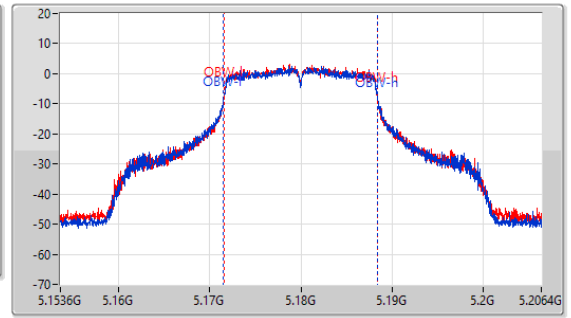
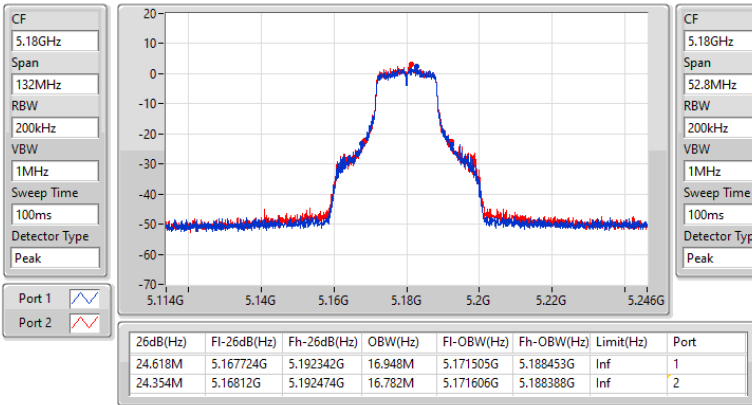
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

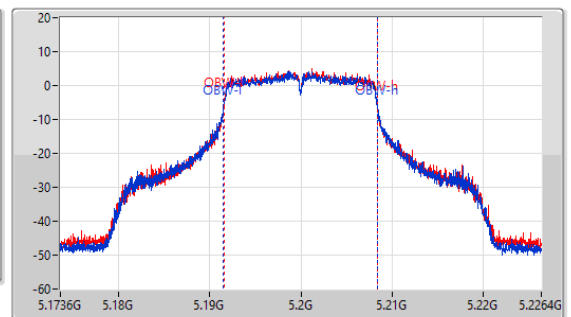
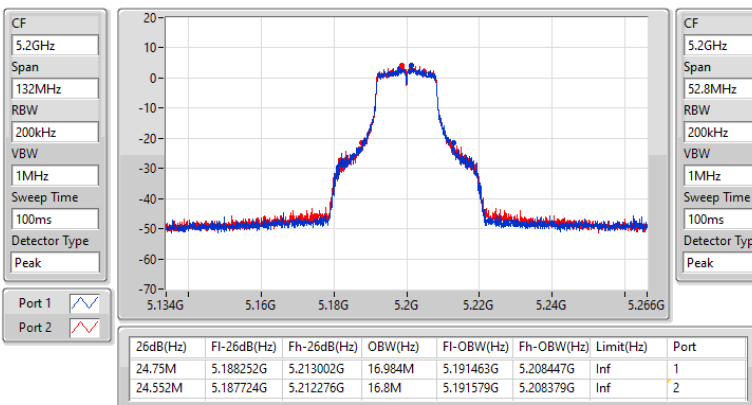
5180MHz



5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5200MHz

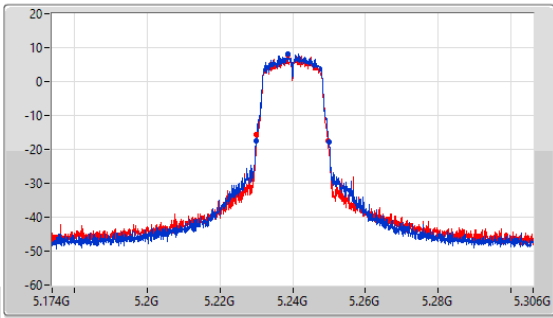


5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

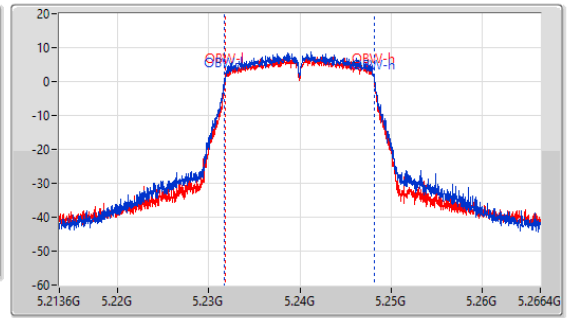
EBW

5240MHz

CF: 5.24GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.24GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



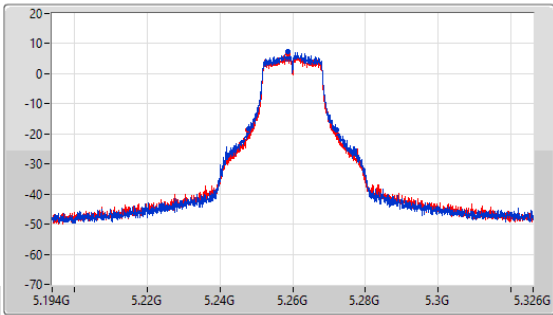
26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	F1-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.998M	5.229902G	5.2499G	16.492M	5.231718G	5.248209G	Inf	1
19.8M	5.229968G	5.249768G	16.419M	5.231769G	5.248188G	Inf	2

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

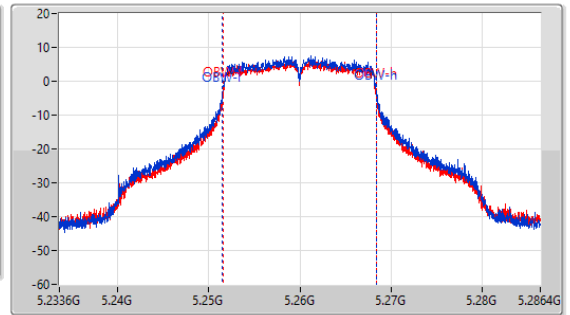
EBW

5260MHz

CF: 5.26GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.26GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



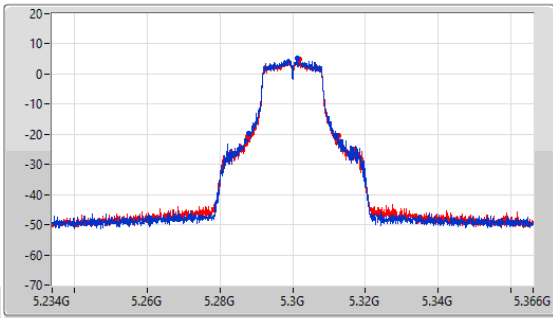
26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	F1-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.09M	5.247922G	5.272012G	16.945M	5.251501G	5.268447G	Inf	1
23.958M	5.24779G	5.271748G	16.779M	5.251597G	5.268376G	Inf	2

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

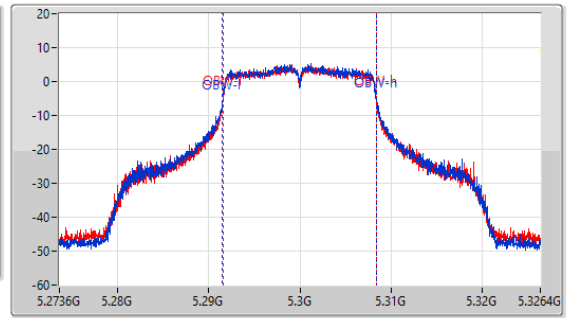
EBW

5300MHz

CF: 5.3GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.3GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



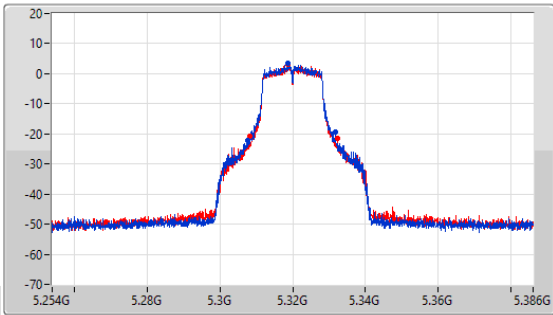
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.09M	5.287856G	5.311946G	16.97M	5.291487G	5.308457G	Inf	1
24.816M	5.28779G	5.312606G	16.804M	5.291588G	5.308392G	Inf	2

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

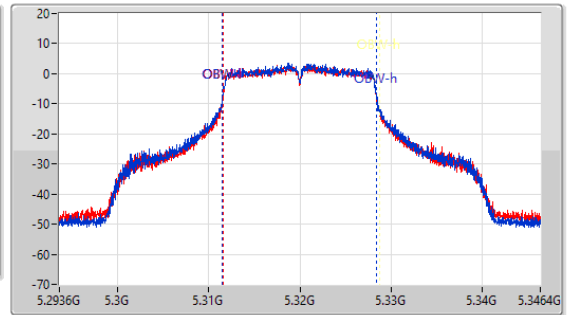
EBW

5320MHz

CF: 5.32GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.32GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

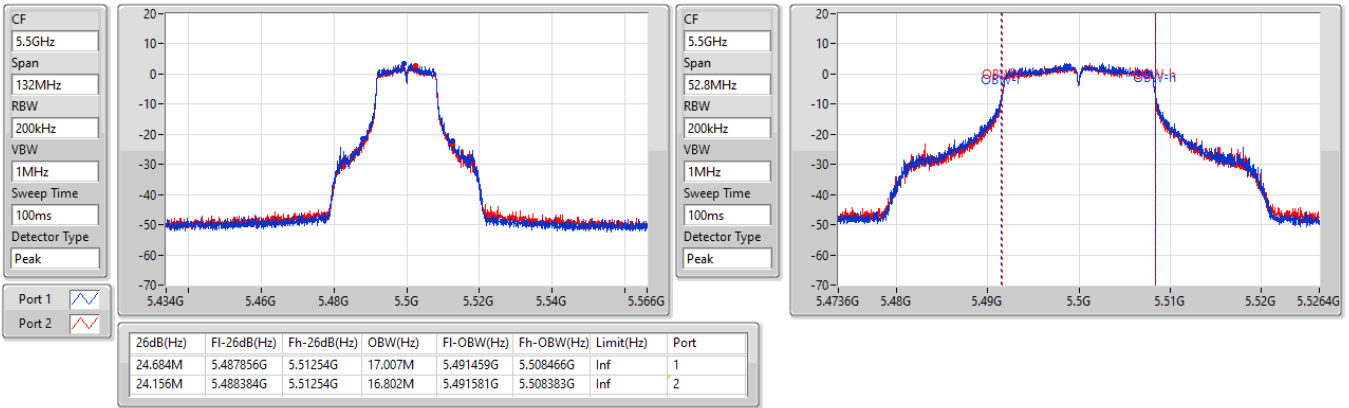


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.024M	5.30779G	5.331814G	16.966M	5.311481G	5.328447G	Inf	1
24.09M	5.308252G	5.332342G	16.808M	5.311578G	5.328387G	Inf	2

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

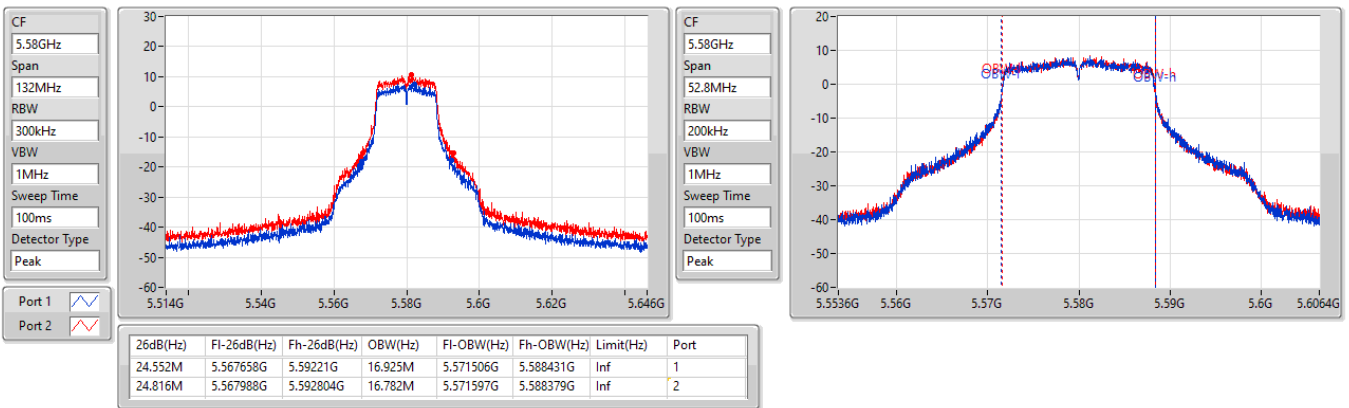
5500MHz



5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5580MHz



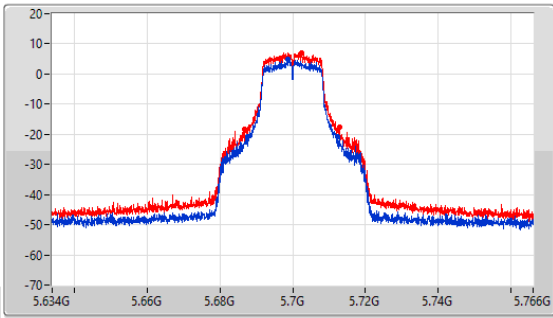


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

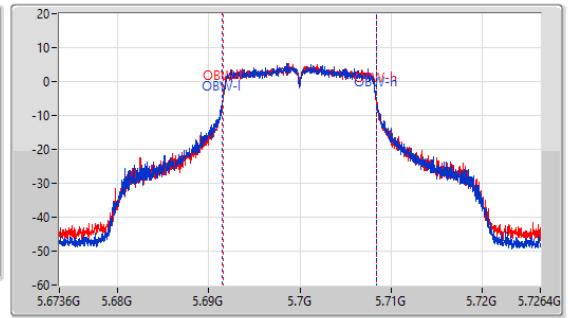
EBW

5700MHz

CF: 5.7GHz  
 Span: 132MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



CF: 5.7GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



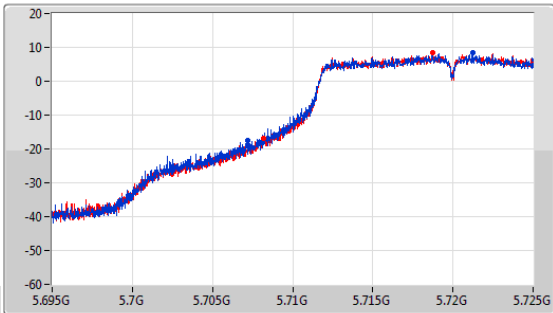
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.816M	5.687526G	5.712342G	16.976M	5.69146G	5.708436G	Inf	1
26.004M	5.686932G	5.712936G	16.8M	5.691594G	5.708393G	Inf	2

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

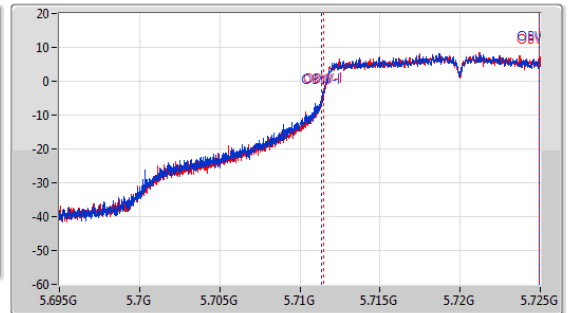
EBW

5720MHz Straddle 5.47-5.725GHz

CF: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



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
17.775M	5.707225G	5.725G	13.597M	5.711329G	5.724926G	Inf	1
16.785M	5.708215G	5.725G	13.474M	5.711463G	5.724937G	Inf	2

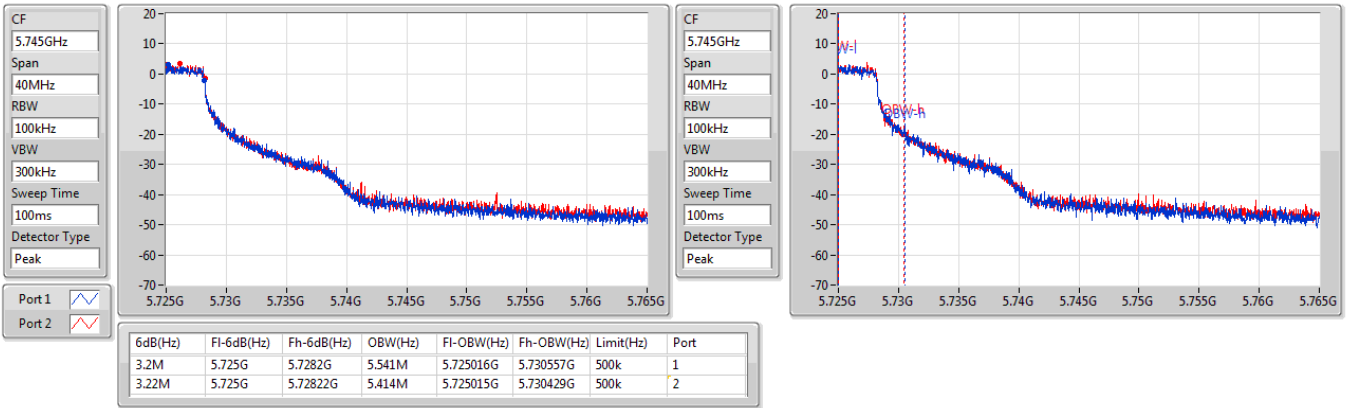




5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

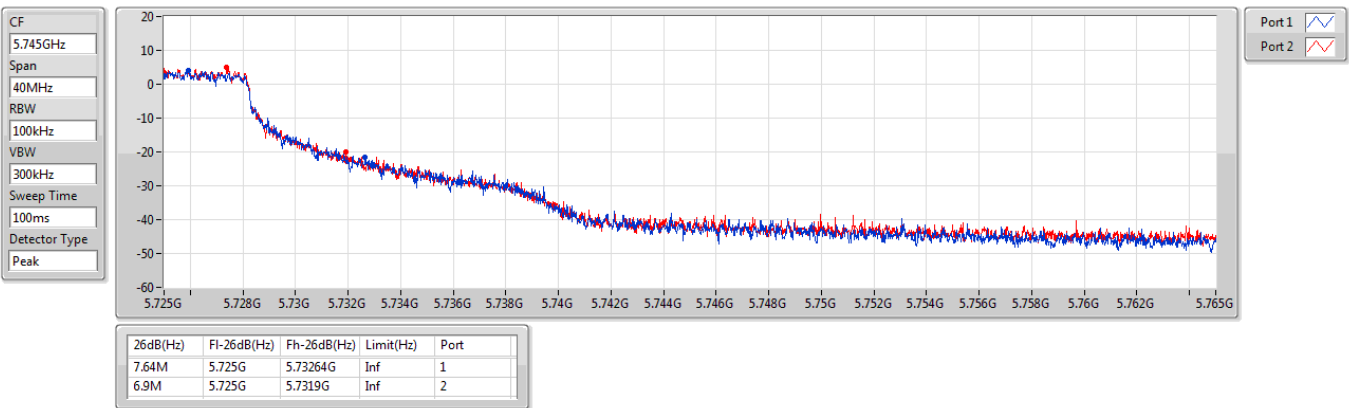
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

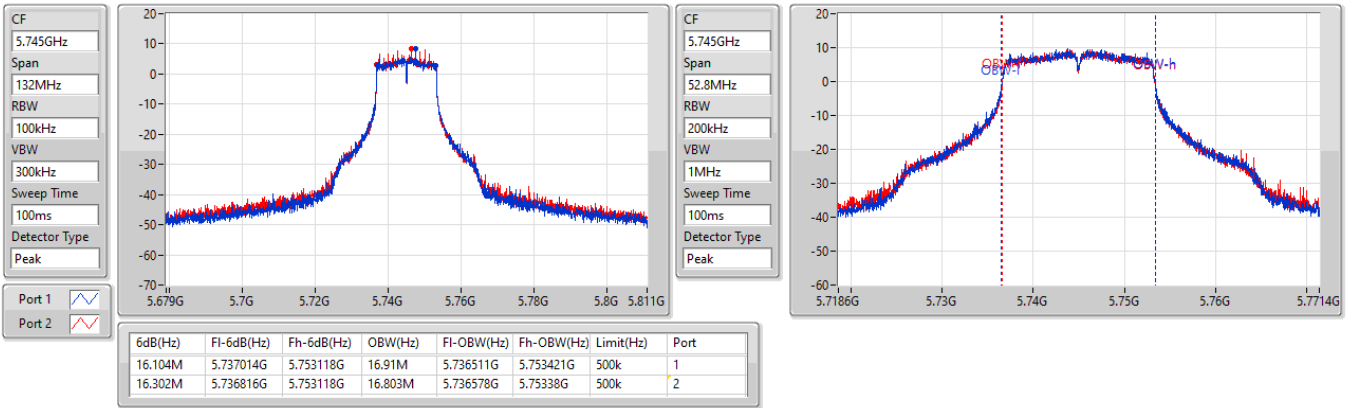




5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

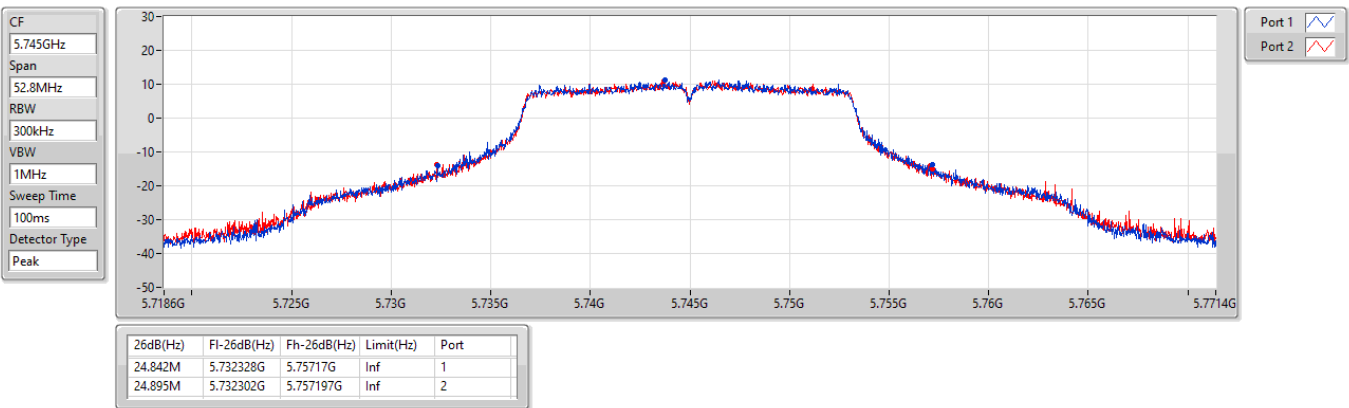
5745MHz



5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5745MHz

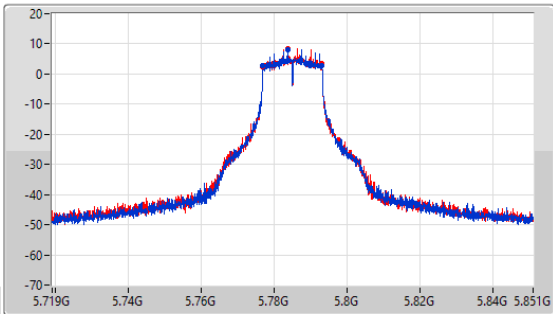


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

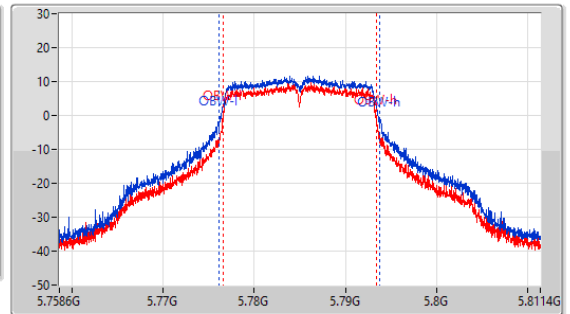
EBW

5785MHz

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



CF: 5.785GHz  
 Span: 52.8MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



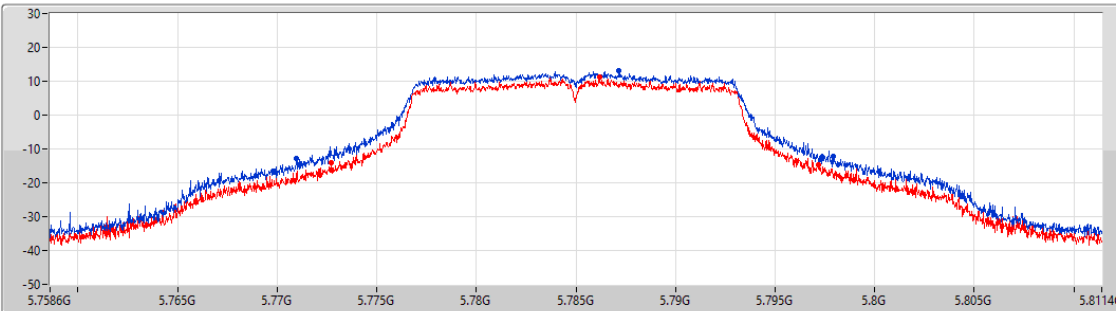
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.302M	5.776816G	5.793118G	17.537M	5.776171G	5.793708G	500k	1
16.302M	5.776816G	5.793118G	16.802M	5.776566G	5.793367G	500k	2

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

CF: 5.785GHz  
 Span: 52.8MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1  
 Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
26.928M	5.770982G	5.79791G	Inf	1
24.446M	5.772724G	5.79717G	Inf	2

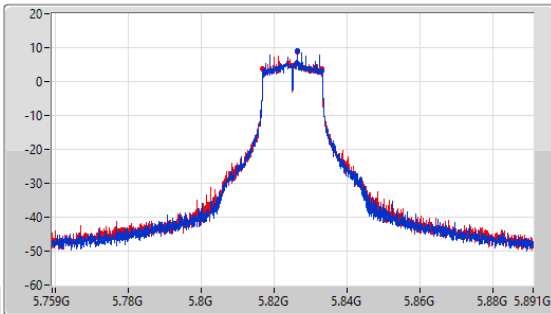


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

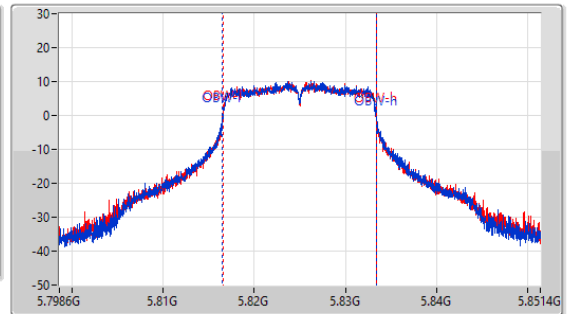
EBW

5825MHz

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



CF: 5.825GHz  
 Span: 52.8MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



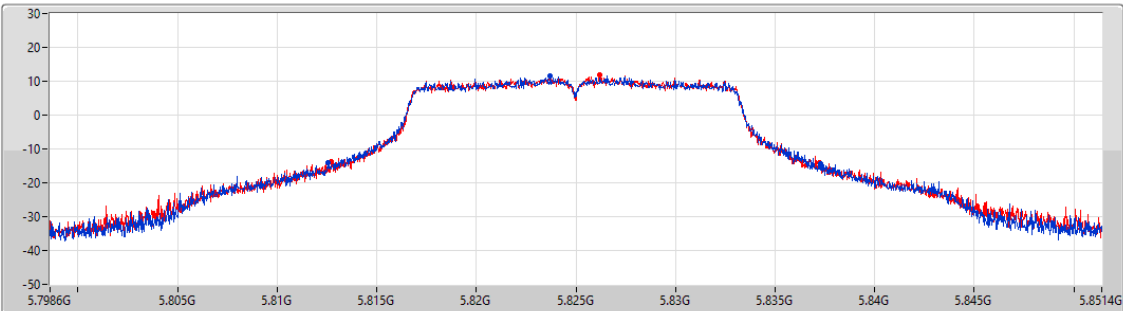
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.906M	5.817212G	5.833118G	16.941M	5.816498G	5.833439G	500k	1
16.302M	5.816816G	5.833118G	16.805M	5.816574G	5.833379G	500k	2

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

CF: 5.825GHz  
 Span: 52.8MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1  
 Port 2

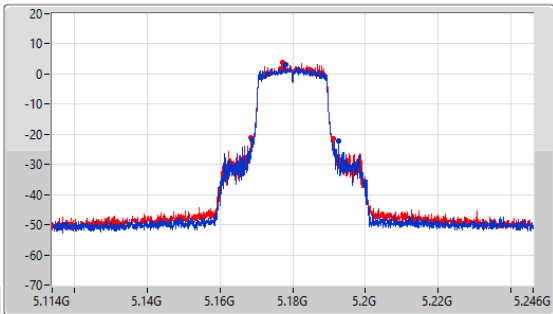
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
24.737M	5.812539G	5.837276G	Inf	1
24.526M	5.812724G	5.83725G	Inf	2

5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

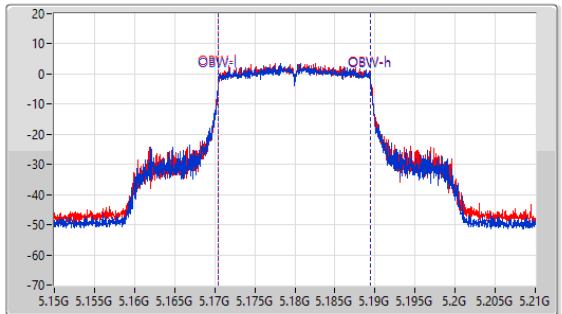
EBW

5180MHz

CF: 5.18GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.18GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



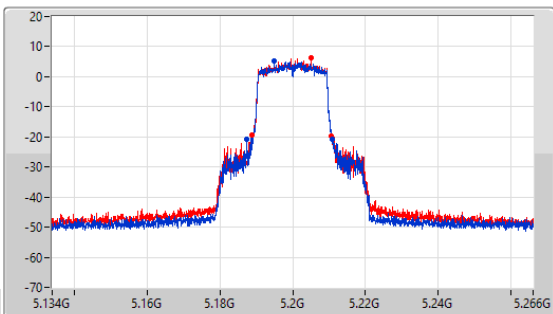
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.76M	5.16878G	5.19254G	18.979M	5.170487G	5.189465G	Inf	1
22.572M	5.168516G	5.191088G	18.995M	5.170489G	5.189484G	Inf	2

5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

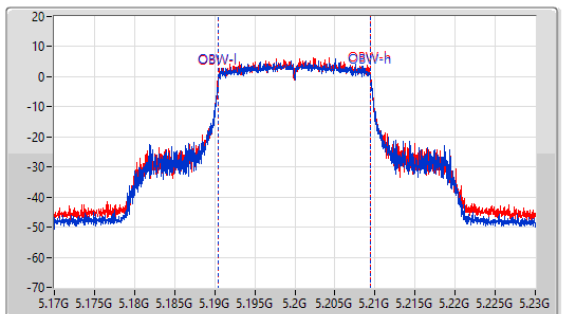
EBW

5200MHz

CF: 5.2GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.2GHz  
 Span: 60MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

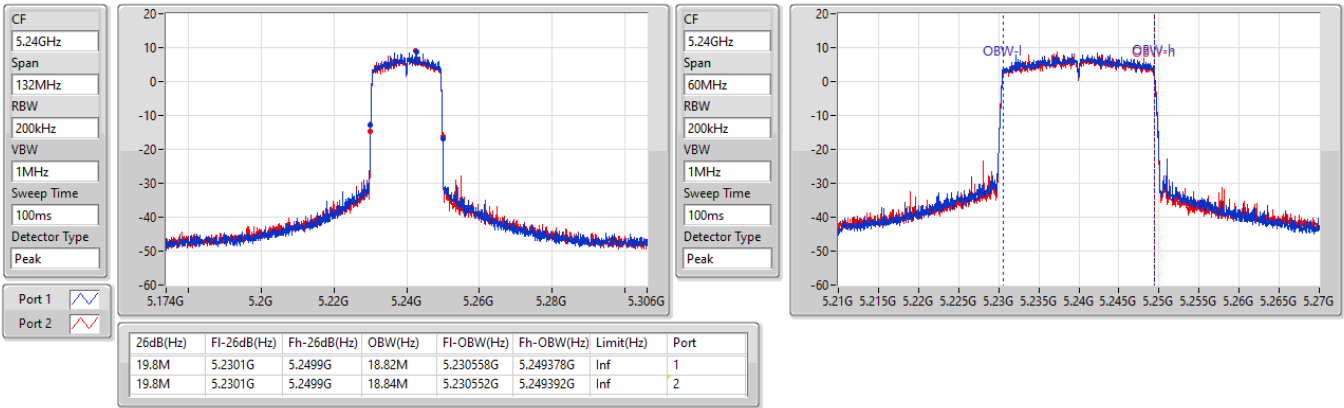


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.364M	5.18746G	5.210824G	19.008M	5.190478G	5.209486G	Inf	1
21.978M	5.188714G	5.210692G	19.007M	5.190468G	5.209475G	Inf	2

5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

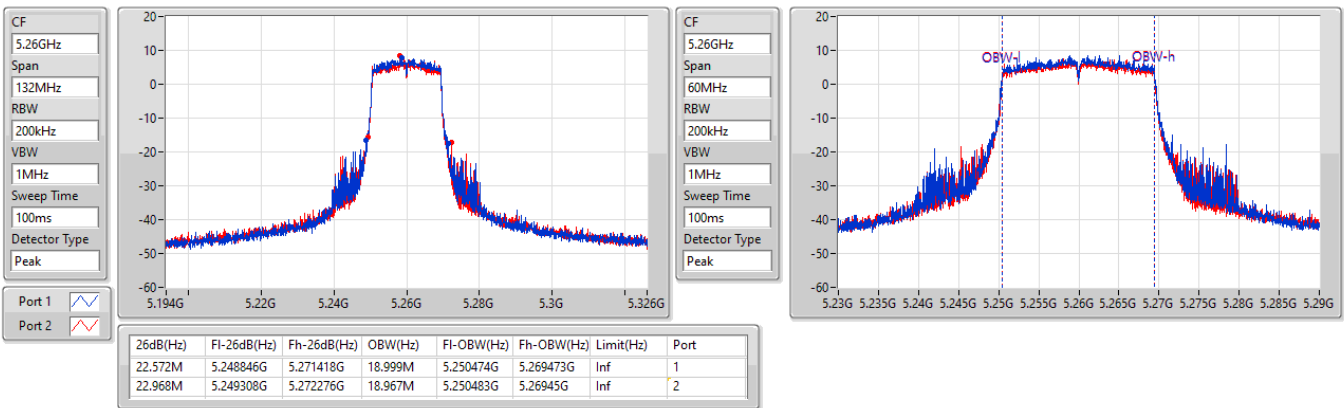
5240MHz



5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5260MHz

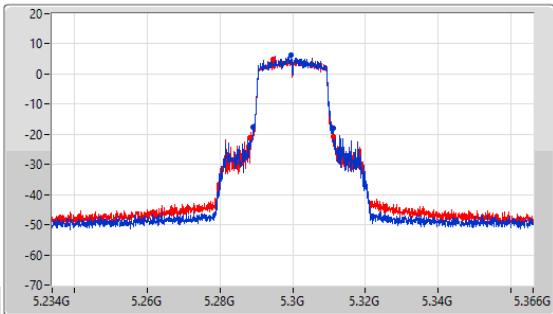


5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

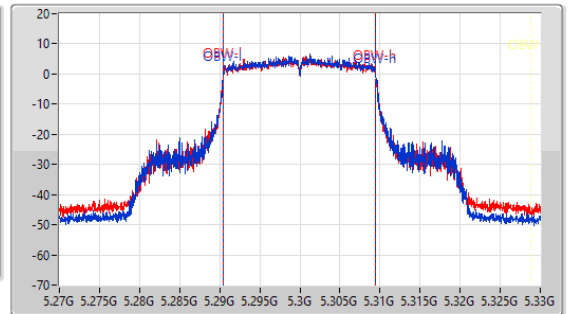
EBW

5300MHz

CF: 5.3GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



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



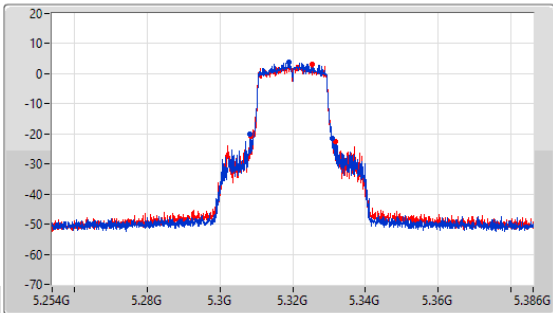
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.11M	5.28911G	5.31122G	19.018M	5.290476G	5.309494G	Inf	1
23.034M	5.288252G	5.311286G	18.98M	5.290491G	5.309471G	Inf	2

5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

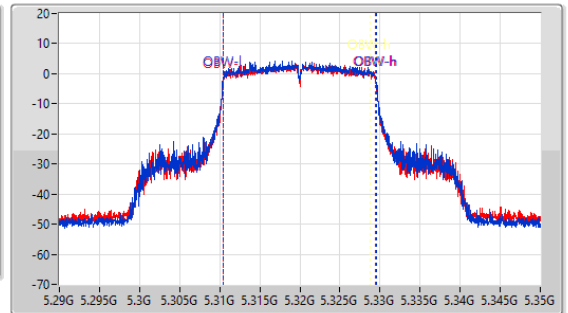
EBW

5320MHz

CF: 5.32GHz  
 Span: 132MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



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

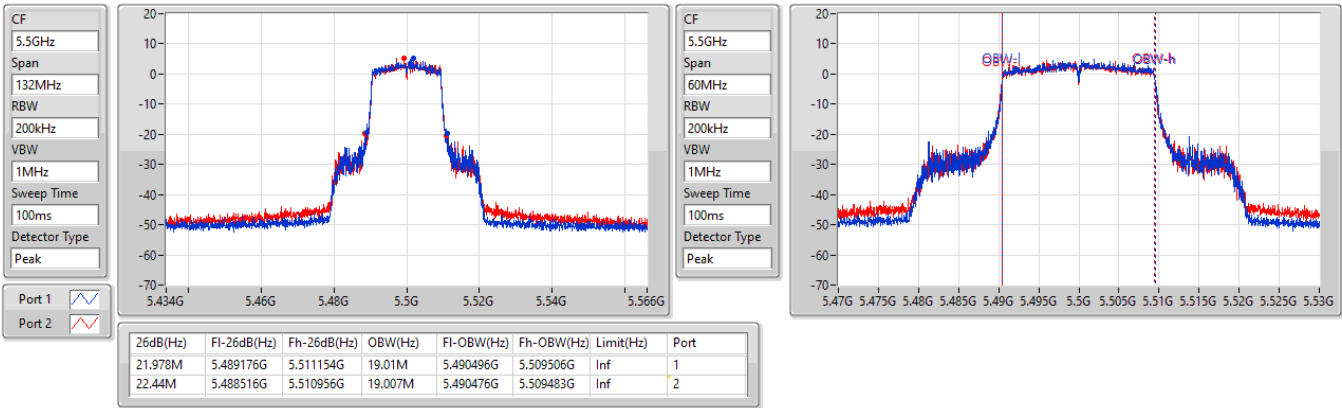


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.308384G	5.330824G	19.03M	5.310464G	5.329495G	Inf	1
23.166M	5.308582G	5.331748G	19.016M	5.310464G	5.32948G	Inf	2

5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

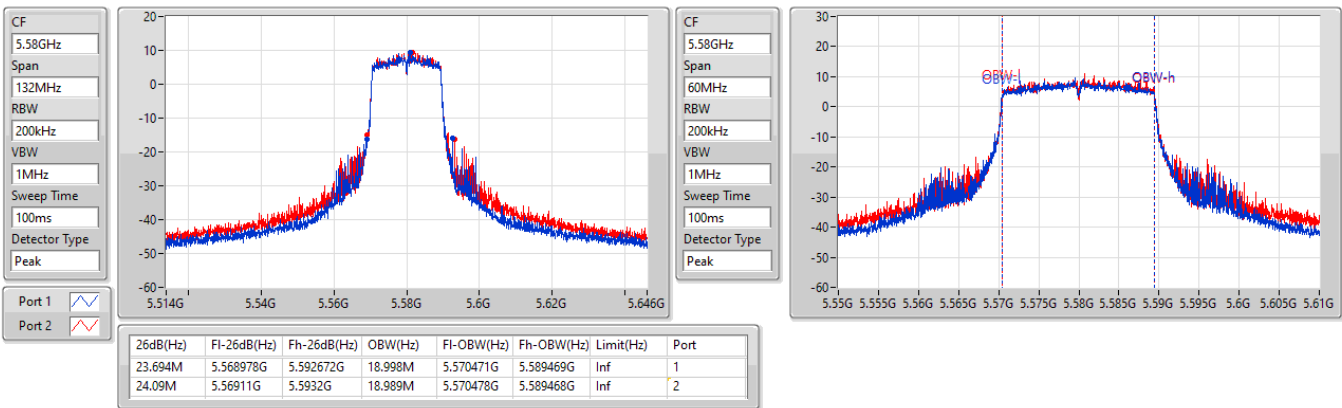
5500MHz



5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

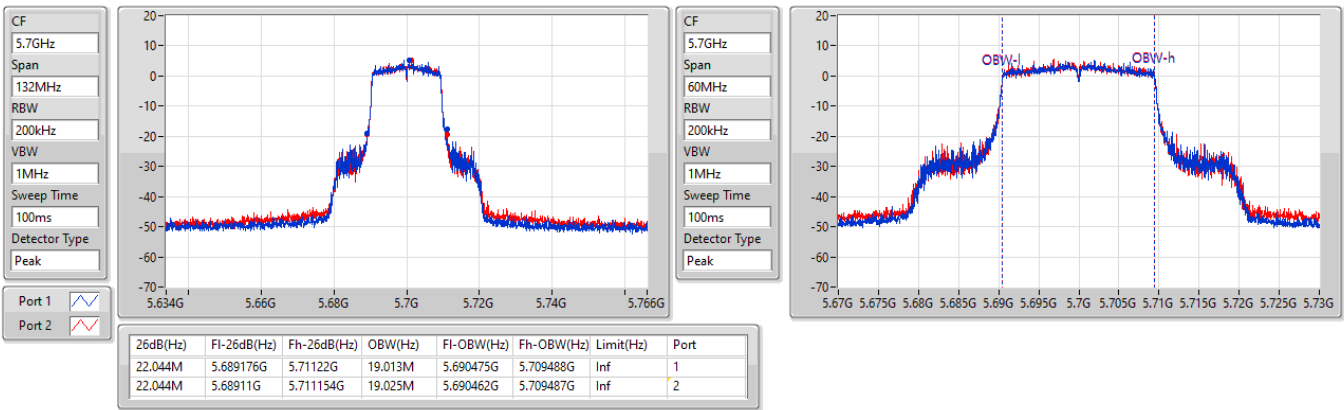




5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

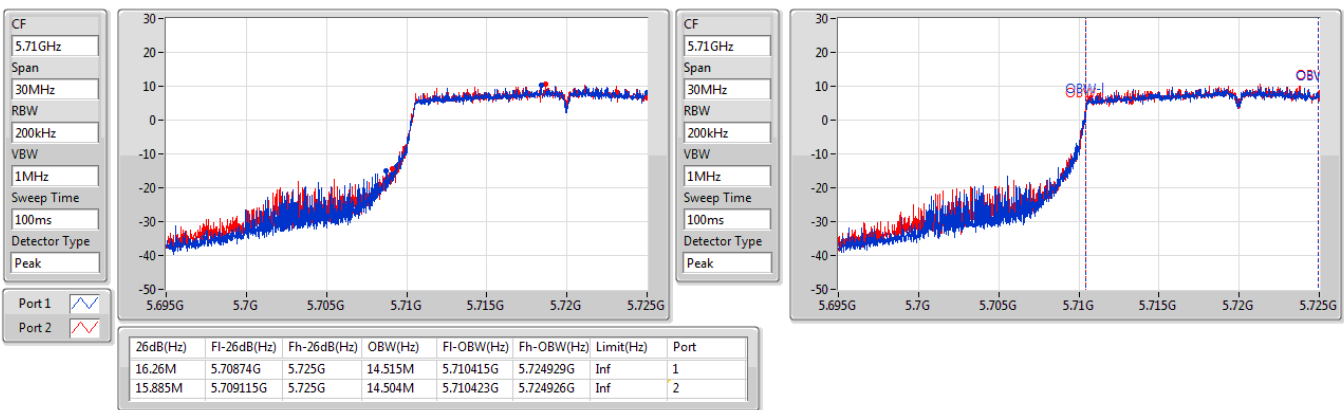
5700MHz



5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

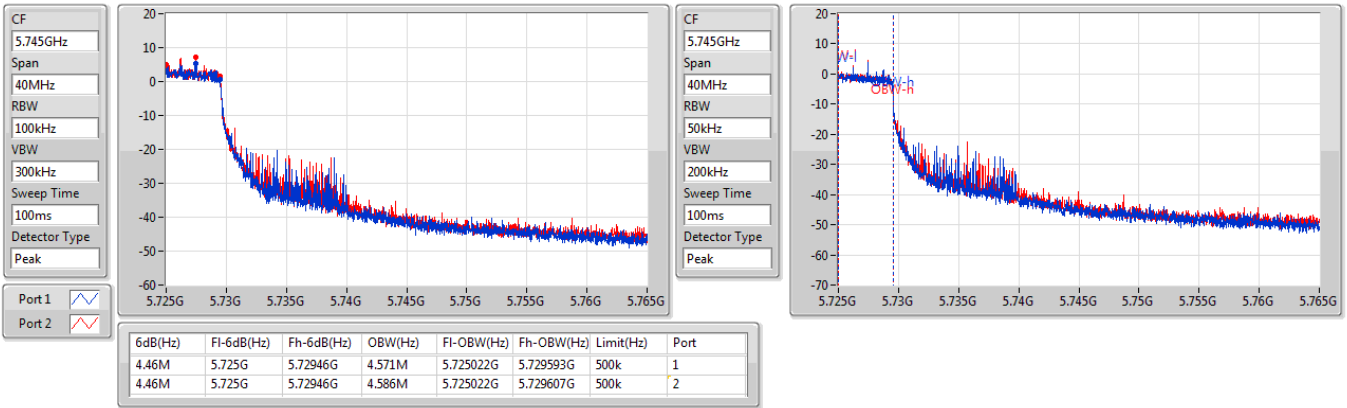




5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

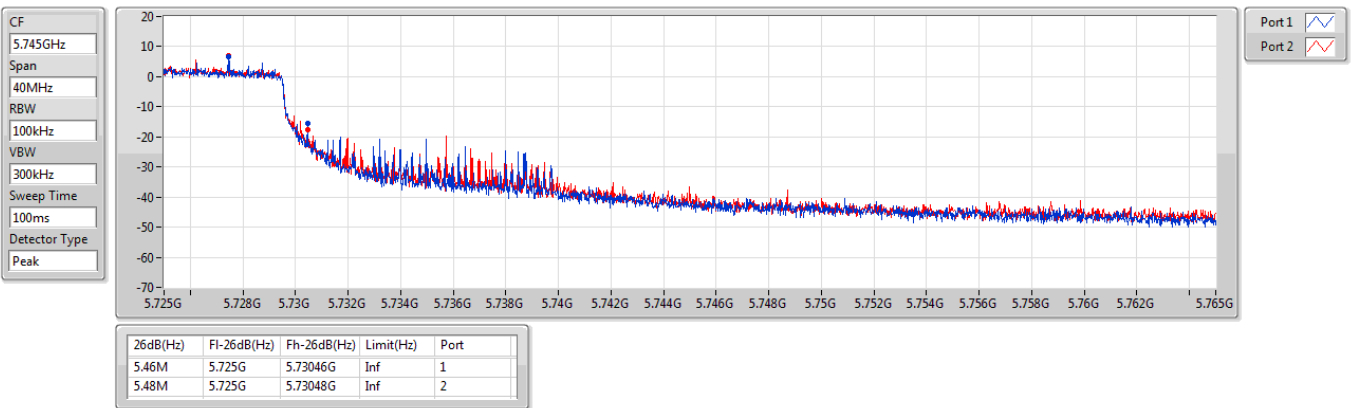
5720MHz Straddle 5.725-5.85GHz

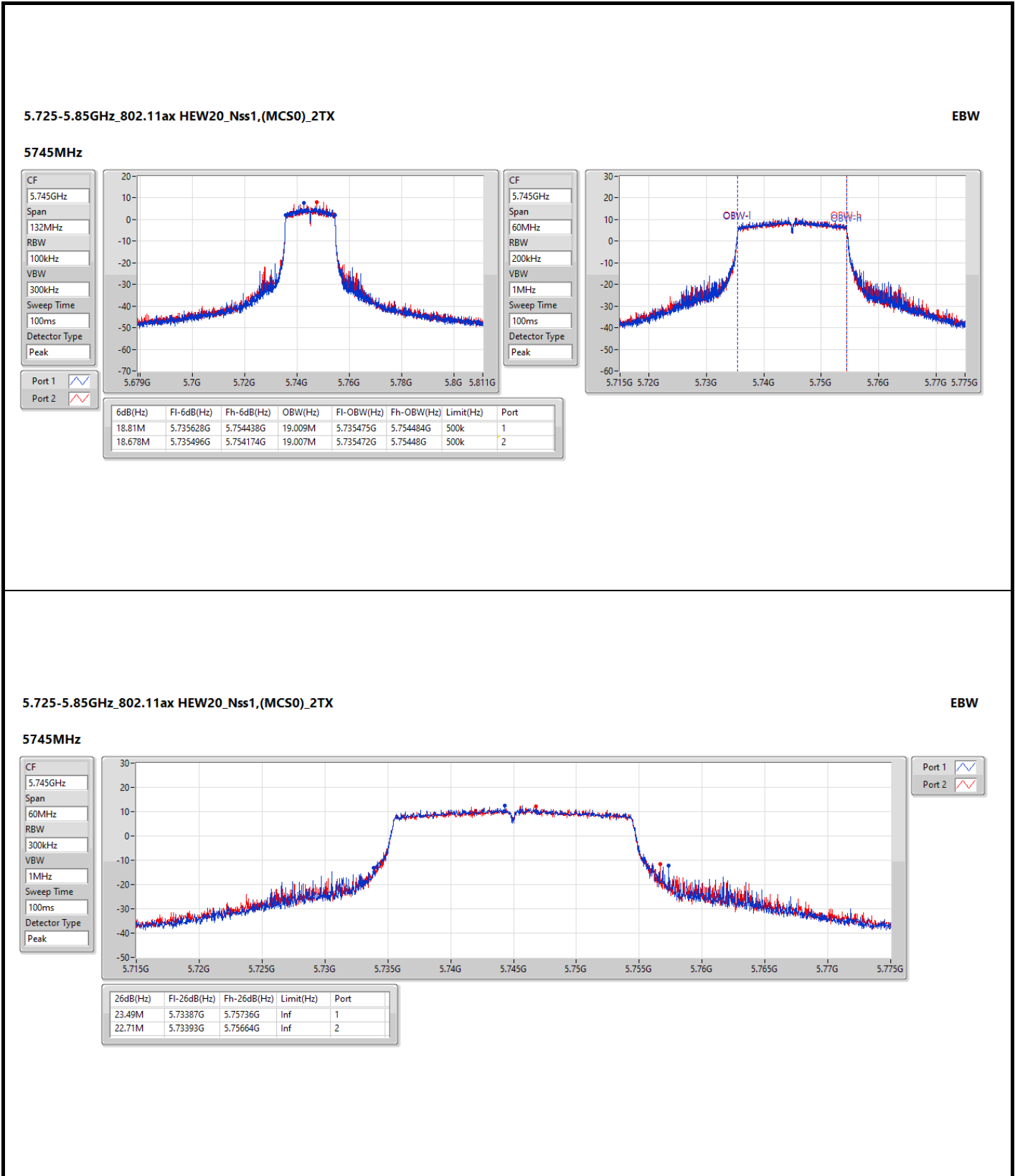


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz



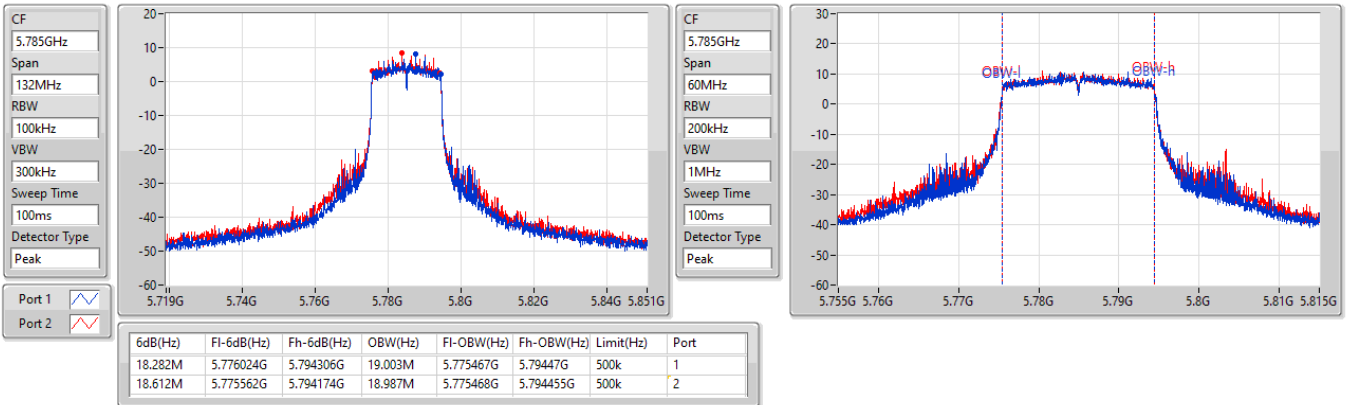




5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

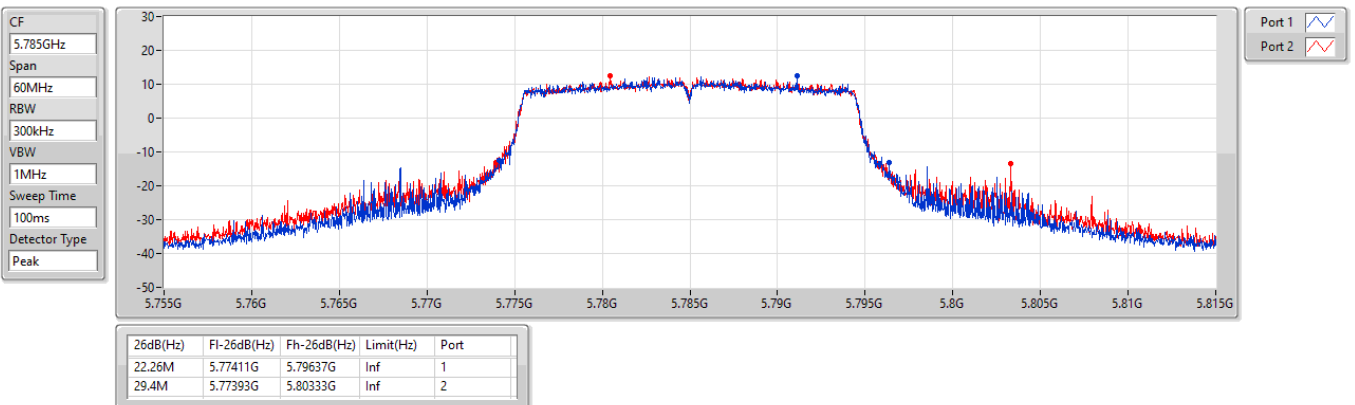
5785MHz



5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz



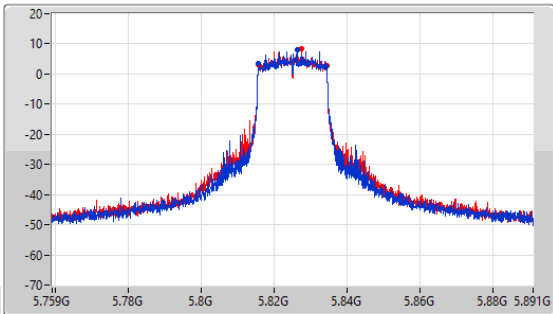


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

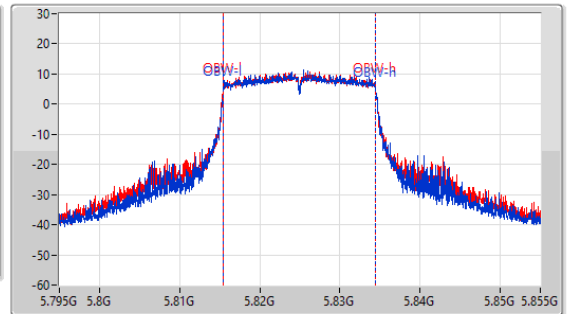
EBW

5825MHz

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



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



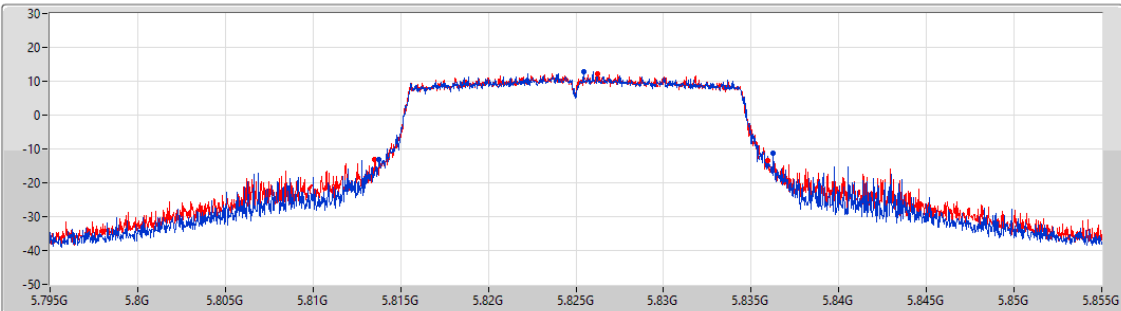
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.612M	5.815628G	5.83424G	19.018M	5.815476G	5.834494G	500k	1
18.678M	5.815694G	5.834372G	19.02M	5.81547G	5.83449G	500k	2

5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

CF  
5.825GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2

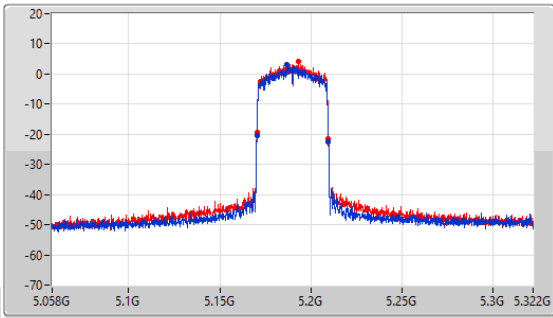
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.47M	5.81378G	5.83625G	Inf	1
22.41M	5.81354G	5.83595G	Inf	2

5.15-5.25GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

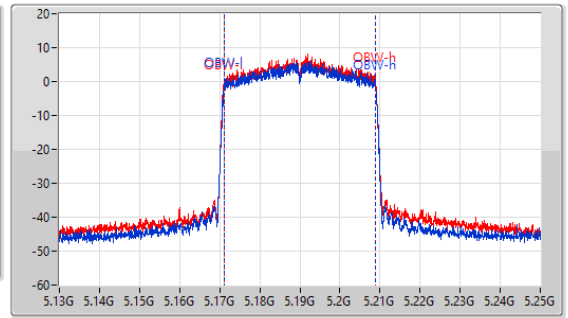
EBW

5190MHz

CF: 5.19GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



CF: 5.19GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



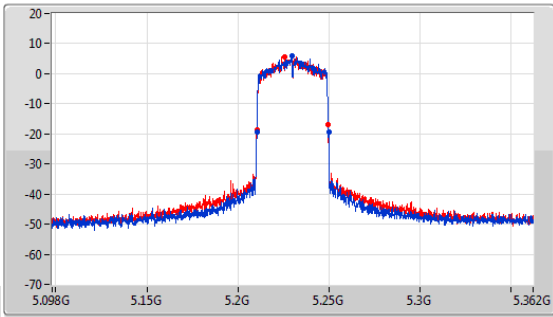
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.336M	5.170332G	5.209668G	37.485M	5.171262G	5.208747G	Inf	1
39.336M	5.170332G	5.209668G	37.476M	5.171261G	5.208737G	Inf	2

5.15-5.25GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

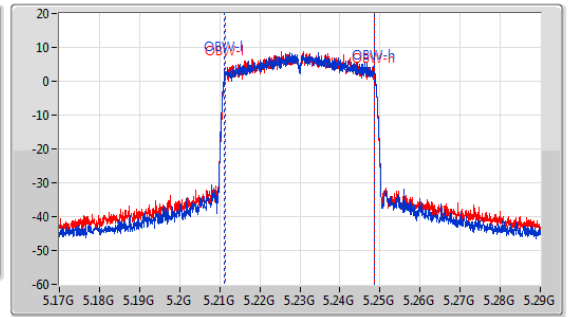
EBW

5230MHz

CF: 5.23GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



CF: 5.23GHz  
 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
39.468M	5.210332G	5.2498G	37.403M	5.211251G	5.248655G	Inf	1
39.204M	5.210332G	5.249536G	37.42M	5.211289G	5.248709G	Inf	2

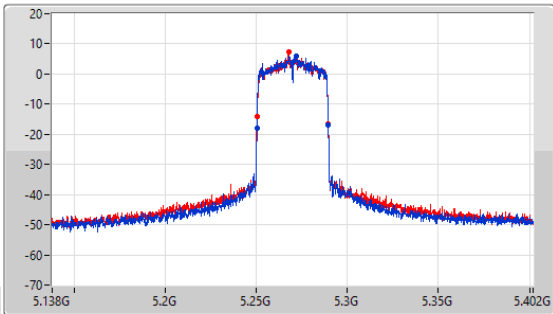


5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

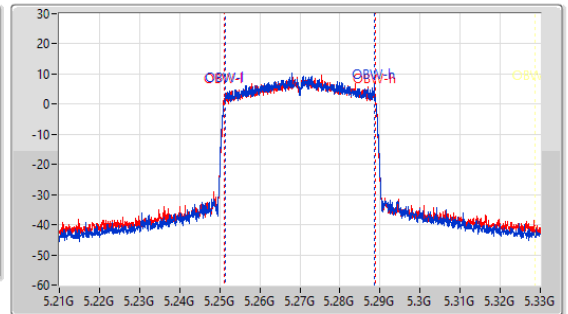
EBW

5270MHz

CF: 5.27GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



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



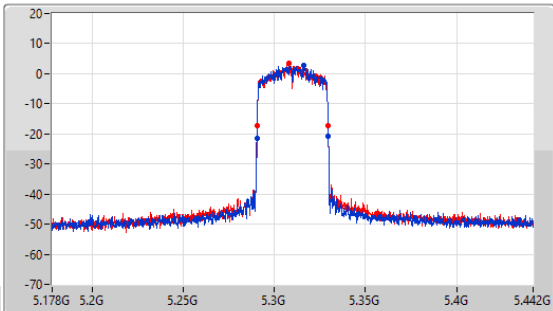
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.072M	5.250464G	5.289536G	37.389M	5.251312G	5.2887G	Inf	1
39.336M	5.250332G	5.289668G	37.496M	5.251252G	5.288748G	Inf	2

5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

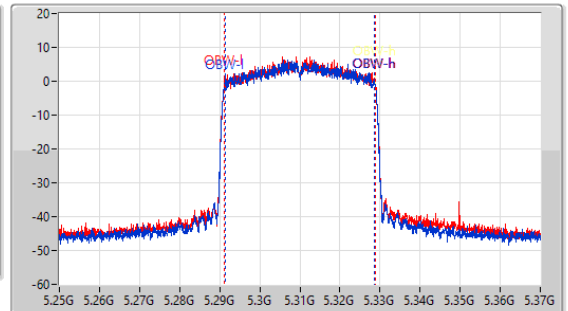
EBW

5310MHz

CF: 5.31GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



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

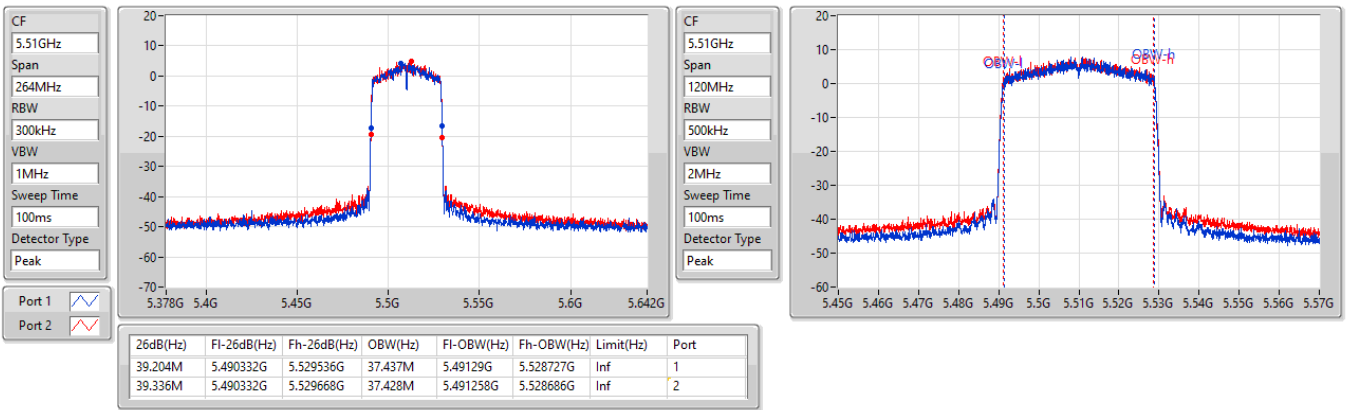


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.336M	5.290332G	5.329668G	37.448M	5.291276G	5.328724G	Inf	1
39.072M	5.290464G	5.329536G	37.515M	5.291236G	5.328751G	Inf	2

5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

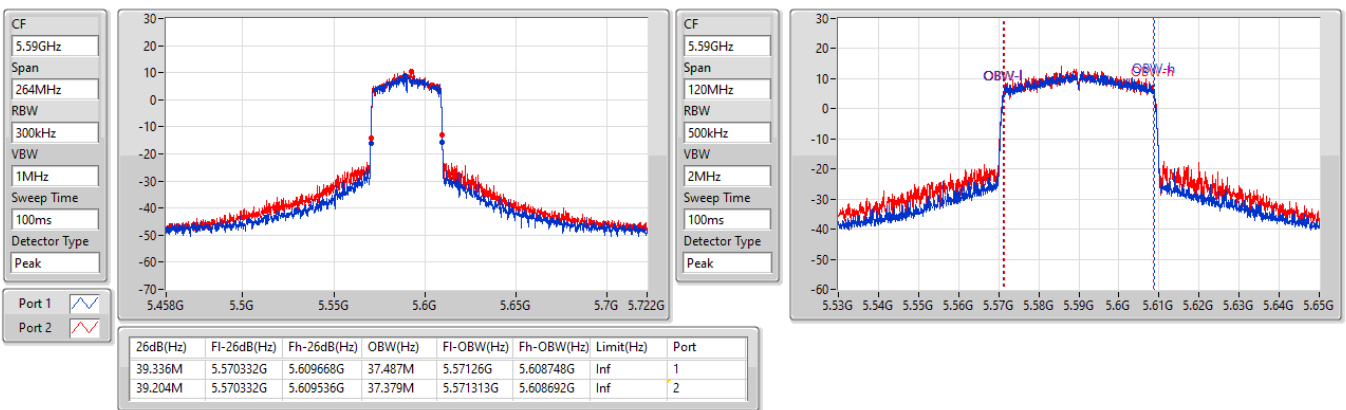
5510MHz



5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5590MHz

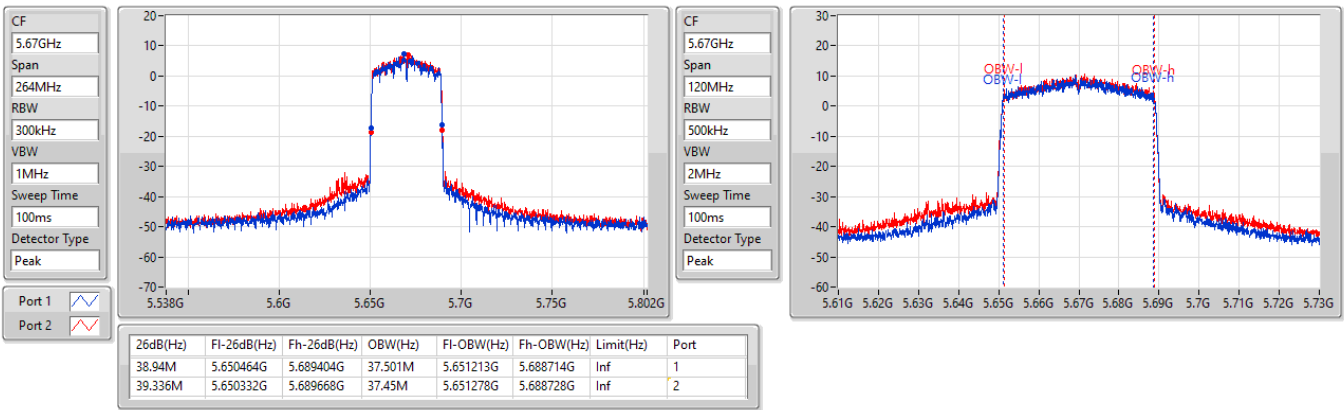




5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

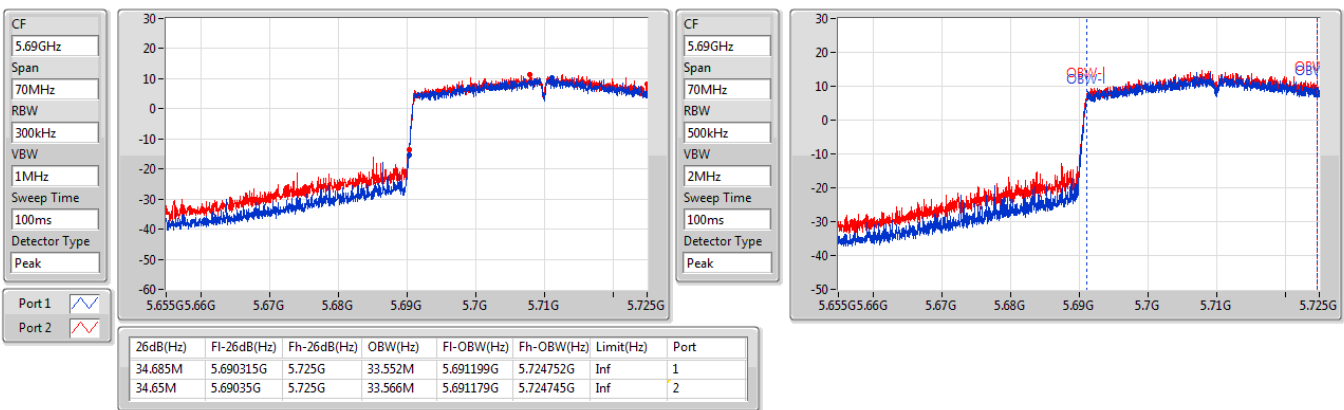
5670MHz



5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

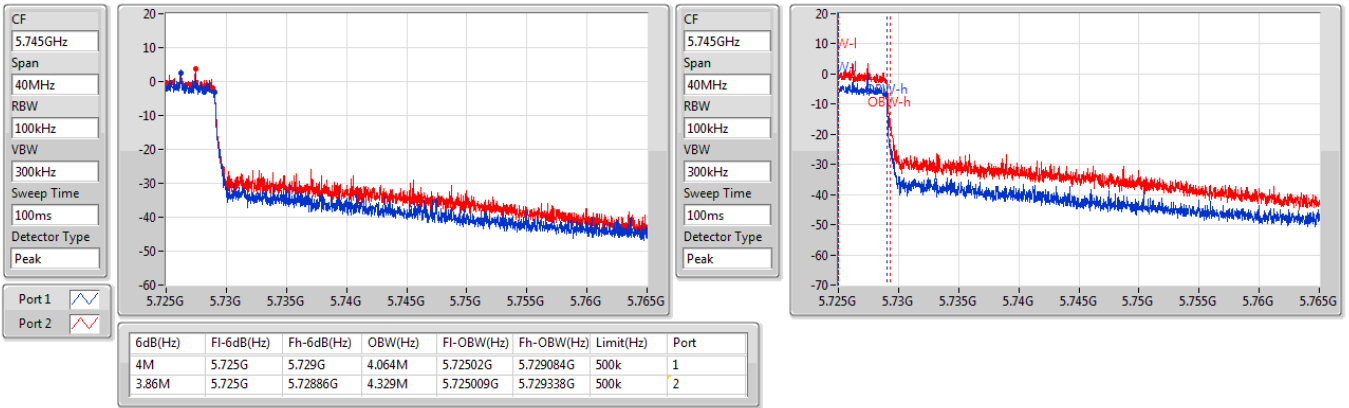




5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

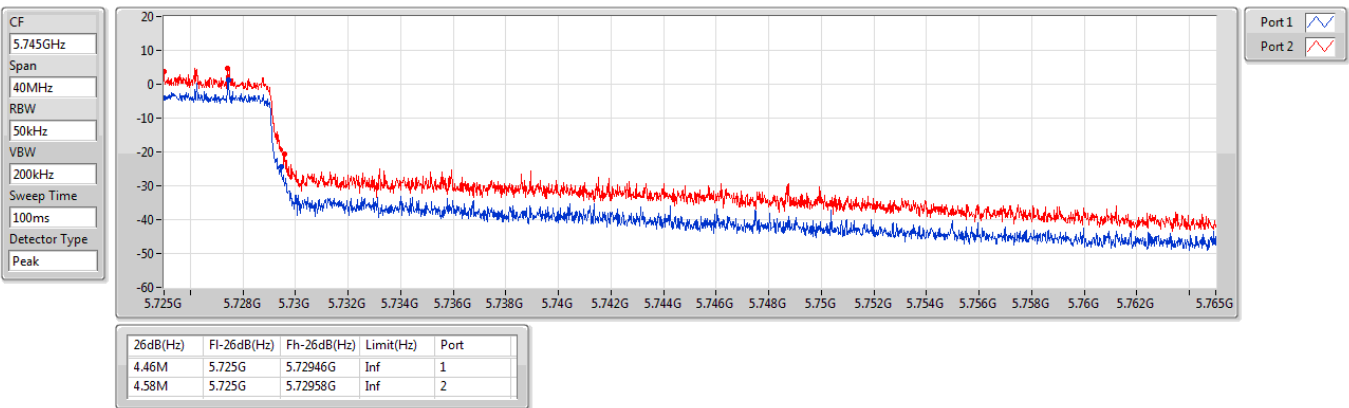
5710MHz Straddle 5.725-5.85GHz



5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz



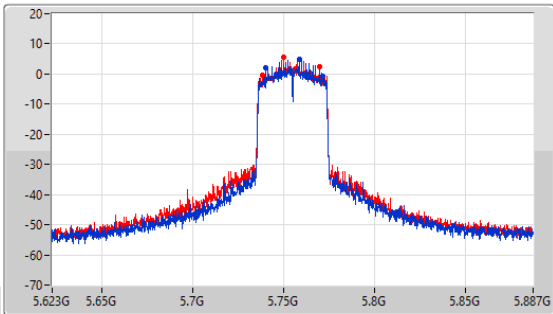


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

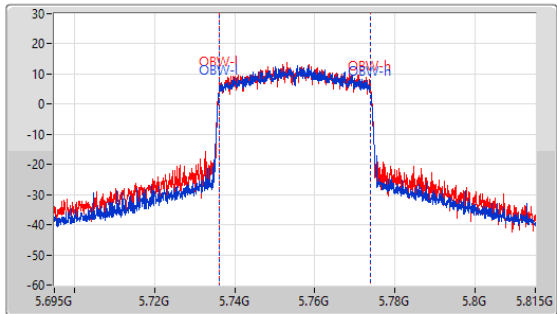
EBW

5755MHz

CF: 5.755GHz  
 Span: 264MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.755GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



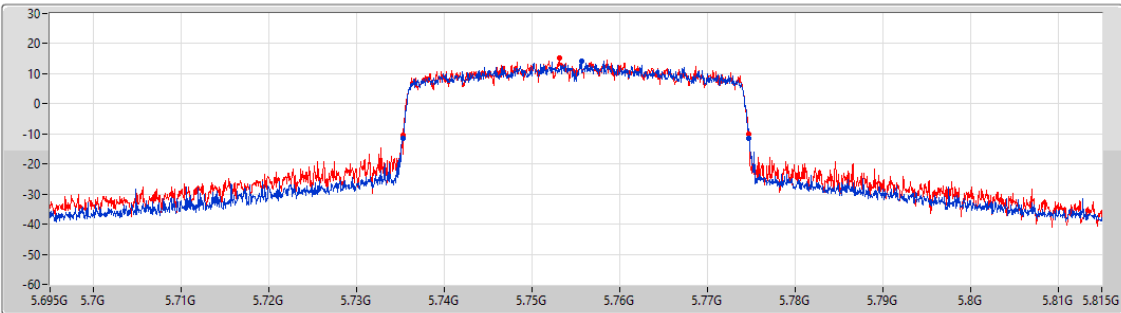
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.416M	5.739952G	5.771368G	37.472M	5.736262G	5.773734G	500k	1
31.416M	5.738632G	5.770048G	37.525M	5.736231G	5.773756G	500k	2

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

CF: 5.755GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1  
 Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
39.48M	5.73526G	5.77474G	Inf	1
39.42M	5.73532G	5.77474G	Inf	2

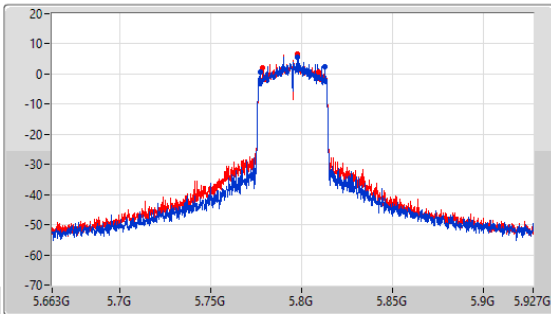


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

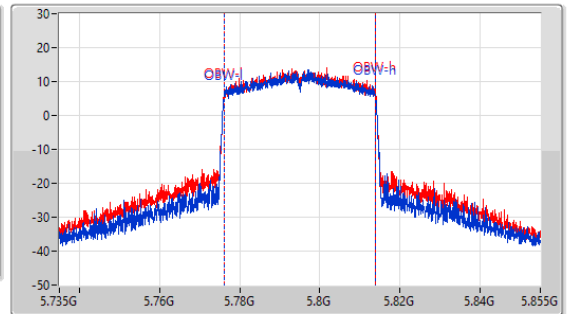
EBW

5795MHz

CF  
5.795GHz  
Span  
264MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.795GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



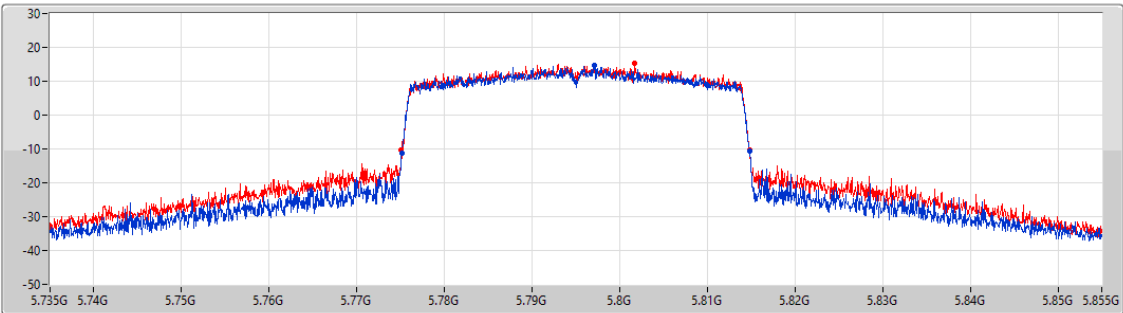
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.112M	5.777444G	5.812556G	37.529M	5.776204G	5.813733G	500k	1
30.756M	5.778632G	5.809388G	37.538M	5.776237G	5.813774G	500k	2

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5795MHz

CF  
5.795GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2

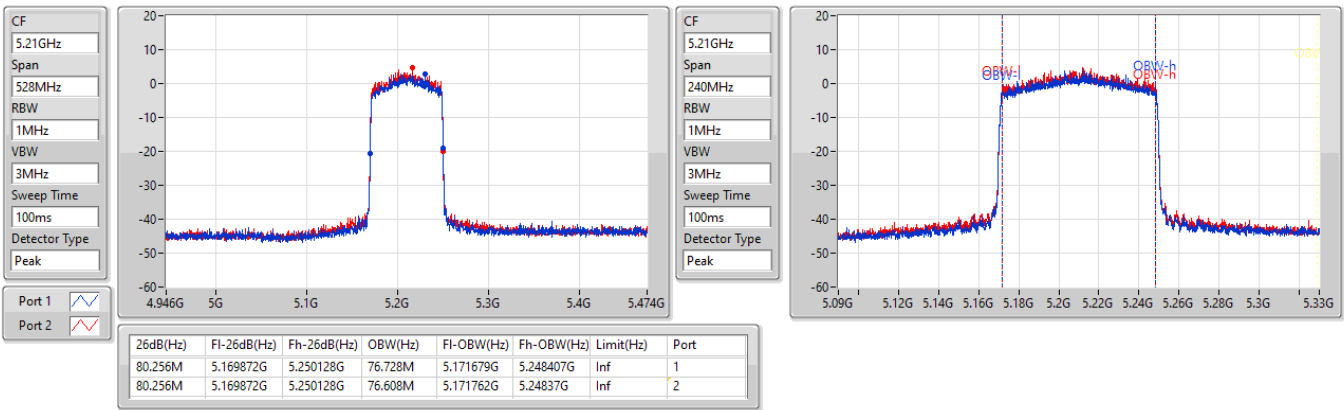
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
39.72M	5.77514G	5.81486G	Inf	1
39.78M	5.77508G	5.81486G	Inf	2



5.15-5.25GHz\_802.11ax\_HEW80\_Nss1,(MCS0)\_2TX

EBW

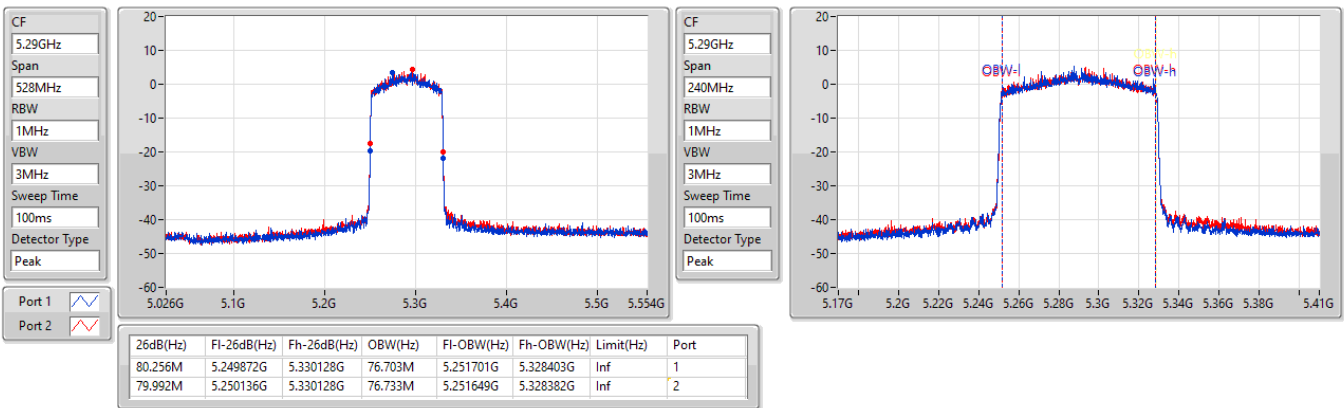
5210MHz



5.25-5.35GHz\_802.11ax\_HEW80\_Nss1,(MCS0)\_2TX

EBW

5290MHz

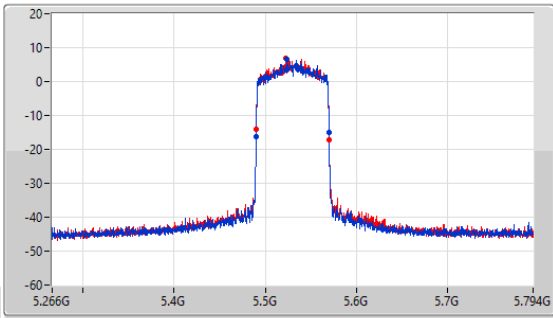


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

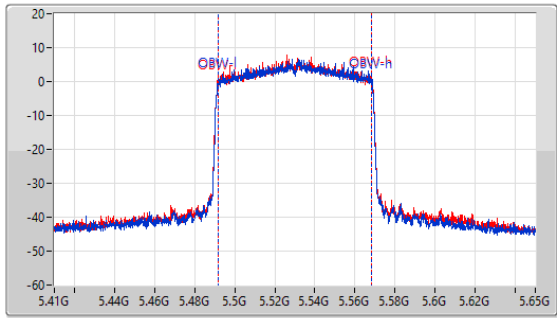
EBW

5530MHz

CF: 5.53GHz  
 Span: 528MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



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



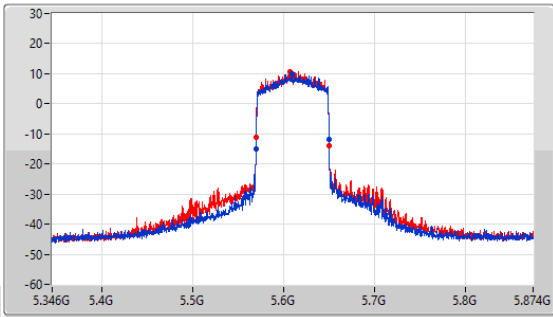
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.256M	5.489872G	5.570128G	76.579M	5.491769G	5.568348G	Inf	1
80.256M	5.489872G	5.570128G	76.66M	5.491728G	5.568388G	Inf	2

5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

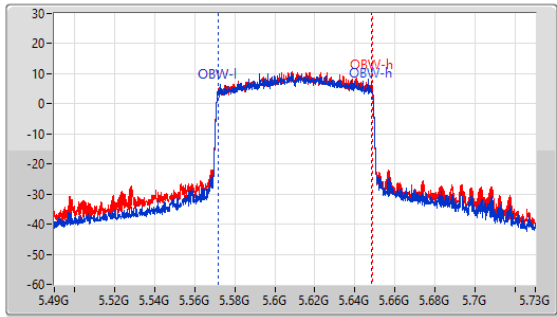
EBW

5610MHz

CF: 5.61GHz  
 Span: 528MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1: [Waveform icon]  
 Port 2: [Waveform icon]



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

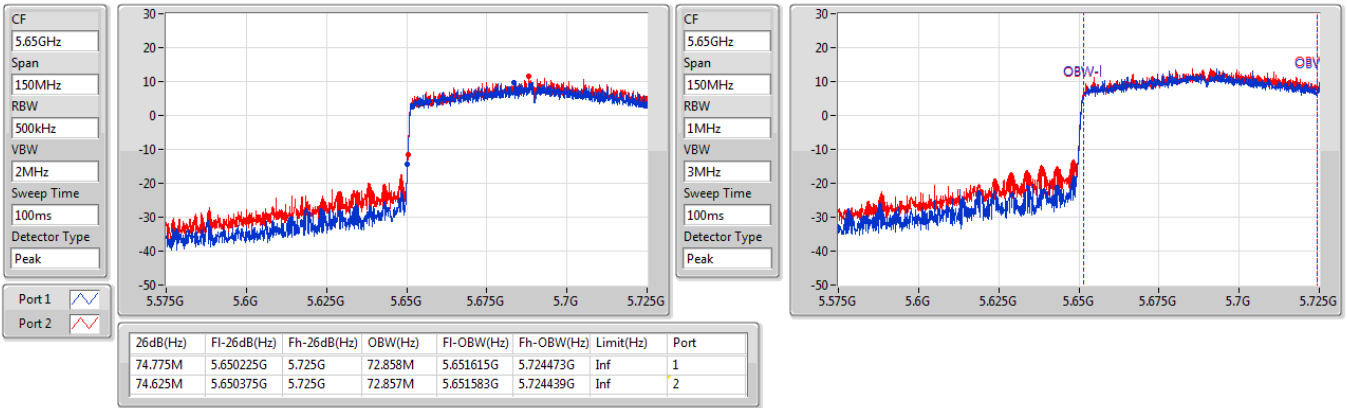


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.256M	5.569872G	5.650128G	76.818M	5.571648G	5.648467G	Inf	1
80.256M	5.569872G	5.650128G	76.843M	5.571726G	5.648569G	Inf	2

5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

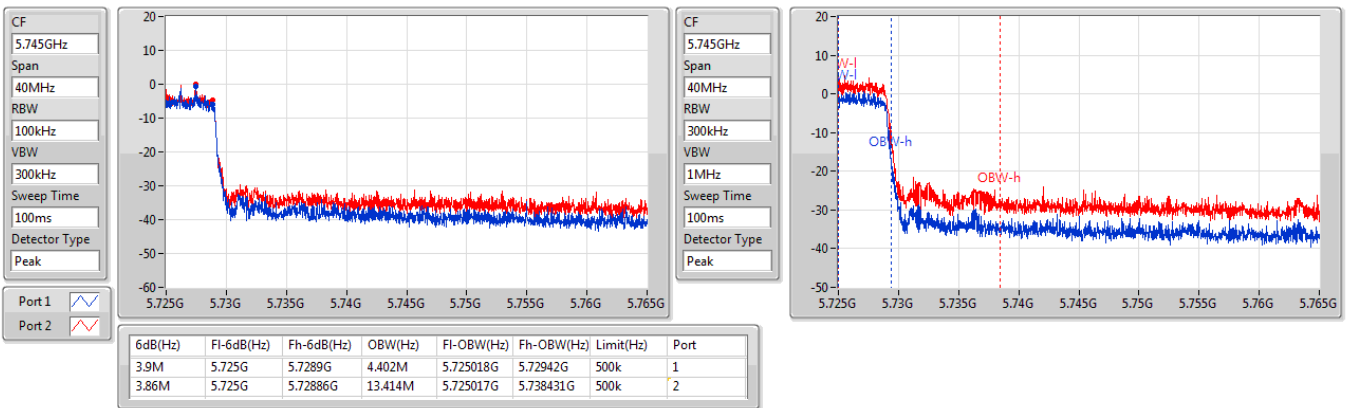
5690MHz Straddle 5.47-5.725GHz

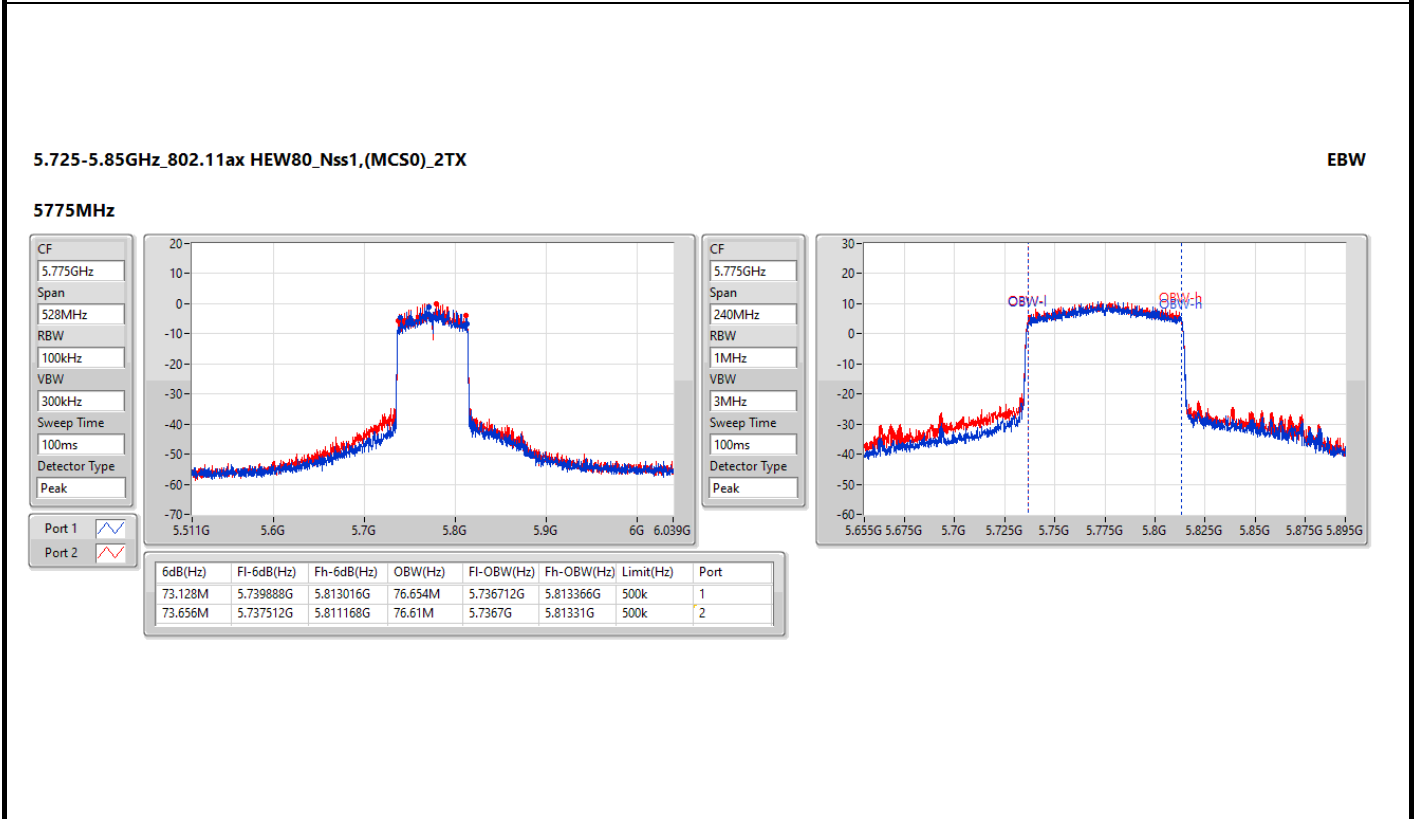
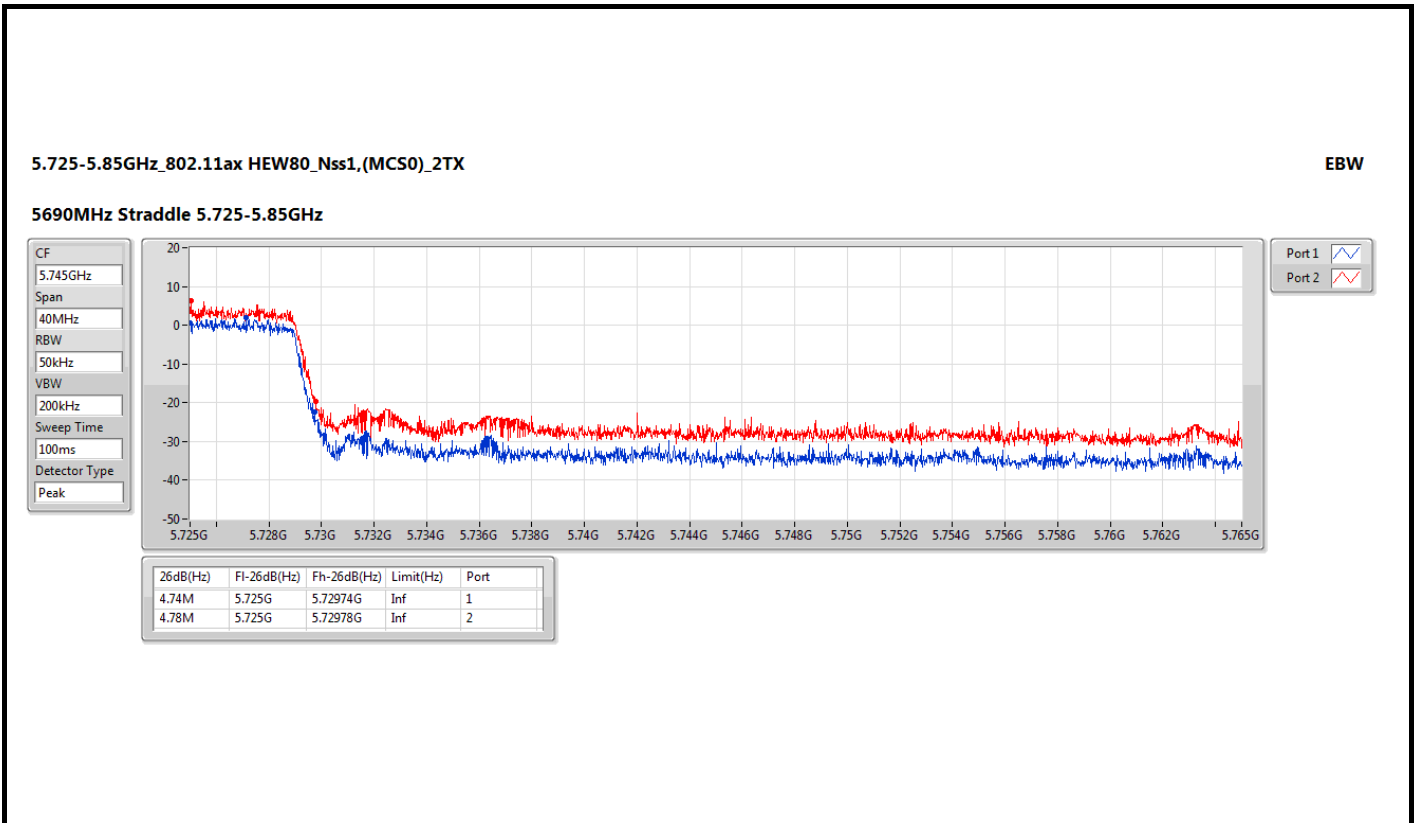


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

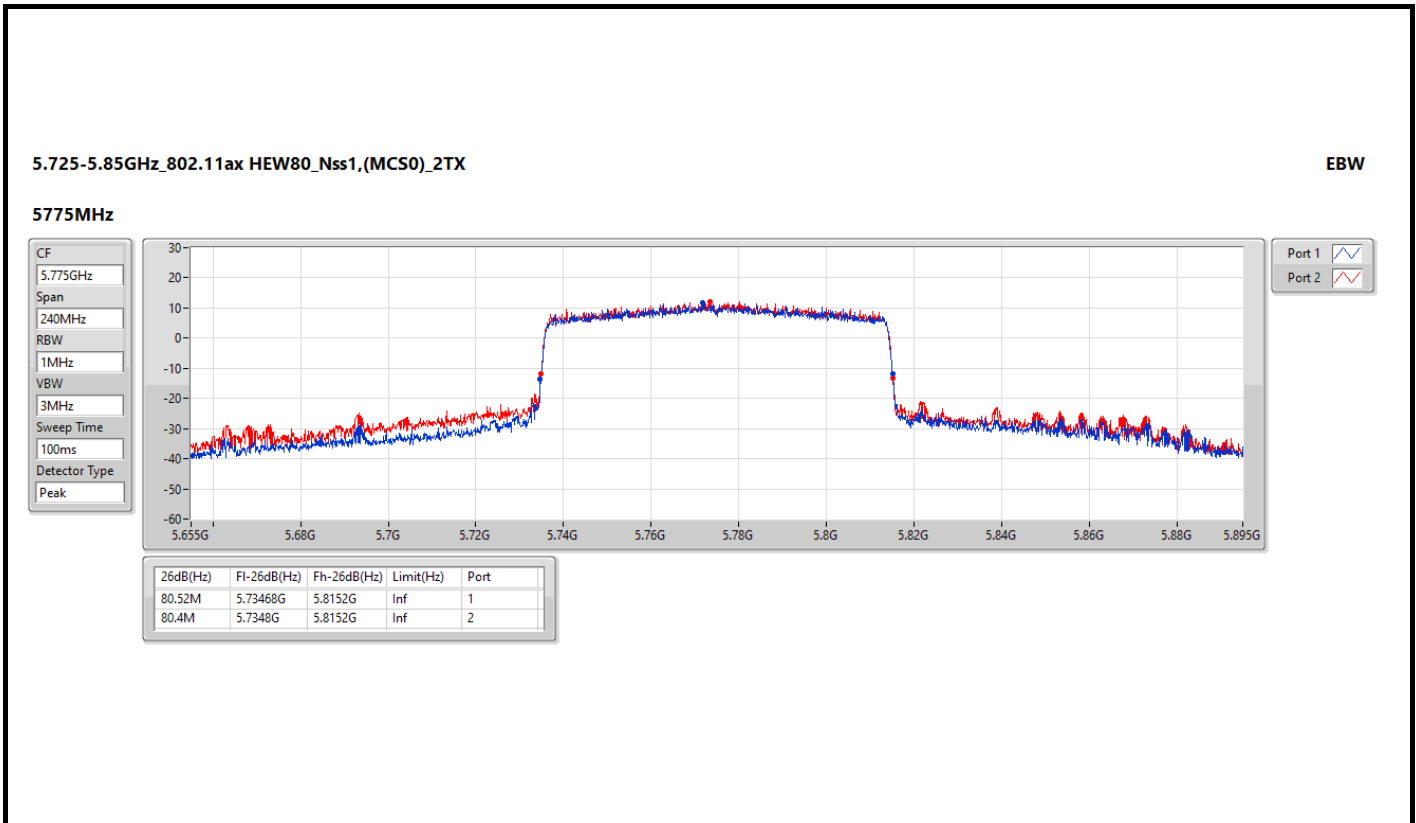
EBW

5690MHz Straddle 5.725-5.85GHz











**Non-beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.26	0.10617	24.66	0.29242
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	20.08	0.10186	24.48	0.28054
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	18.10	0.06457	22.50	0.17783
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	12.65	0.01841	17.05	0.05070
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.59	0.09099	23.99	0.25061
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	20.21	0.10495	24.61	0.28907
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	18.20	0.06607	22.60	0.18197
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	13.20	0.02089	17.60	0.05754
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.88	0.12246	25.28	0.33729
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	21.52	0.14191	25.92	0.39084
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	22.56	0.18030	26.96	0.49659
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	22.09	0.16181	26.49	0.44566
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.63	0.18323	27.03	0.50466
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	22.78	0.18967	27.18	0.52240
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	22.57	0.18072	26.97	0.49774
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	19.91	0.09795	24.31	0.26977



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.40	12.36	12.75	15.57	24.00	19.97	30.00
5200MHz	Pass	4.40	13.8	14.21	17.02	24.00	21.42	30.00
5240MHz	Pass	4.40	17.46	17.03	20.26	24.00	24.66	30.00
5260MHz	Pass	4.40	16.92	16.22	19.59	24.00	23.99	30.00
5300MHz	Pass	4.40	15.07	14.64	17.87	24.00	22.27	30.00
5320MHz	Pass	4.40	13.26	13.04	16.16	24.00	20.56	30.00
5500MHz	Pass	4.40	13.22	13.29	16.27	24.00	20.67	30.00
5580MHz	Pass	4.40	17.53	18.19	20.88	24.00	25.28	30.00
5700MHz	Pass	4.40	14.9	15.02	17.97	24.00	22.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.40	16.96	17.18	20.08	23.25	24.48	29.25
5720MHz Straddle 5.725-5.85GHz	Pass	4.40	10.08	10.38	13.24	30.00	17.64	36.00
5745MHz	Pass	4.40	19.65	19.47	22.57	30.00	26.97	36.00
5785MHz	Pass	4.40	19.68	19.56	22.63	30.00	27.03	36.00
5825MHz	Pass	4.40	19.51	19.72	22.63	30.00	27.03	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5180MHz	Pass	4.40	12.47	12.75	15.62	24.00	20.02	30.00
5200MHz	Pass	4.40	14.71	15.02	17.88	24.00	22.28	30.00
5240MHz	Pass	4.40	17.53	16.55	20.08	24.00	24.48	30.00
5260MHz	Pass	4.40	17.55	16.81	20.21	24.00	24.61	30.00
5300MHz	Pass	4.40	15.27	14.93	18.11	24.00	22.51	30.00
5320MHz	Pass	4.40	13.31	13.05	16.19	24.00	20.59	30.00
5500MHz	Pass	4.40	13.92	13.91	16.93	24.00	21.33	30.00
5580MHz	Pass	4.40	18.22	18.78	21.52	24.00	25.92	30.00
5700MHz	Pass	4.40	14.03	14.15	17.10	24.00	21.50	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.40	17.79	18.06	20.94	23.01	25.34	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	4.40	11.94	12.25	15.11	30.00	19.51	36.00
5745MHz	Pass	4.40	19.68	19.45	22.58	30.00	26.98	36.00
5785MHz	Pass	4.40	19.65	19.83	22.75	30.00	27.15	36.00
5825MHz	Pass	4.40	19.72	19.82	22.78	30.00	27.18	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5190MHz	Pass	4.40	12.05	13.01	15.57	24.00	19.97	30.00
5230MHz	Pass	4.40	15.02	15.15	18.10	24.00	22.50	30.00
5270MHz	Pass	4.40	15.35	15.03	18.20	24.00	22.60	30.00
5310MHz	Pass	4.40	12.54	12.84	15.70	24.00	20.10	30.00
5510MHz	Pass	4.40	13.67	14.21	16.96	24.00	21.36	30.00
5590MHz	Pass	4.40	18.45	19.51	22.02	24.00	26.42	30.00
5670MHz	Pass	4.40	15.76	16.21	19.00	24.00	23.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.40	19.09	19.96	22.56	24.00	26.96	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.40	7.7	8.61	11.19	30.00	15.59	36.00

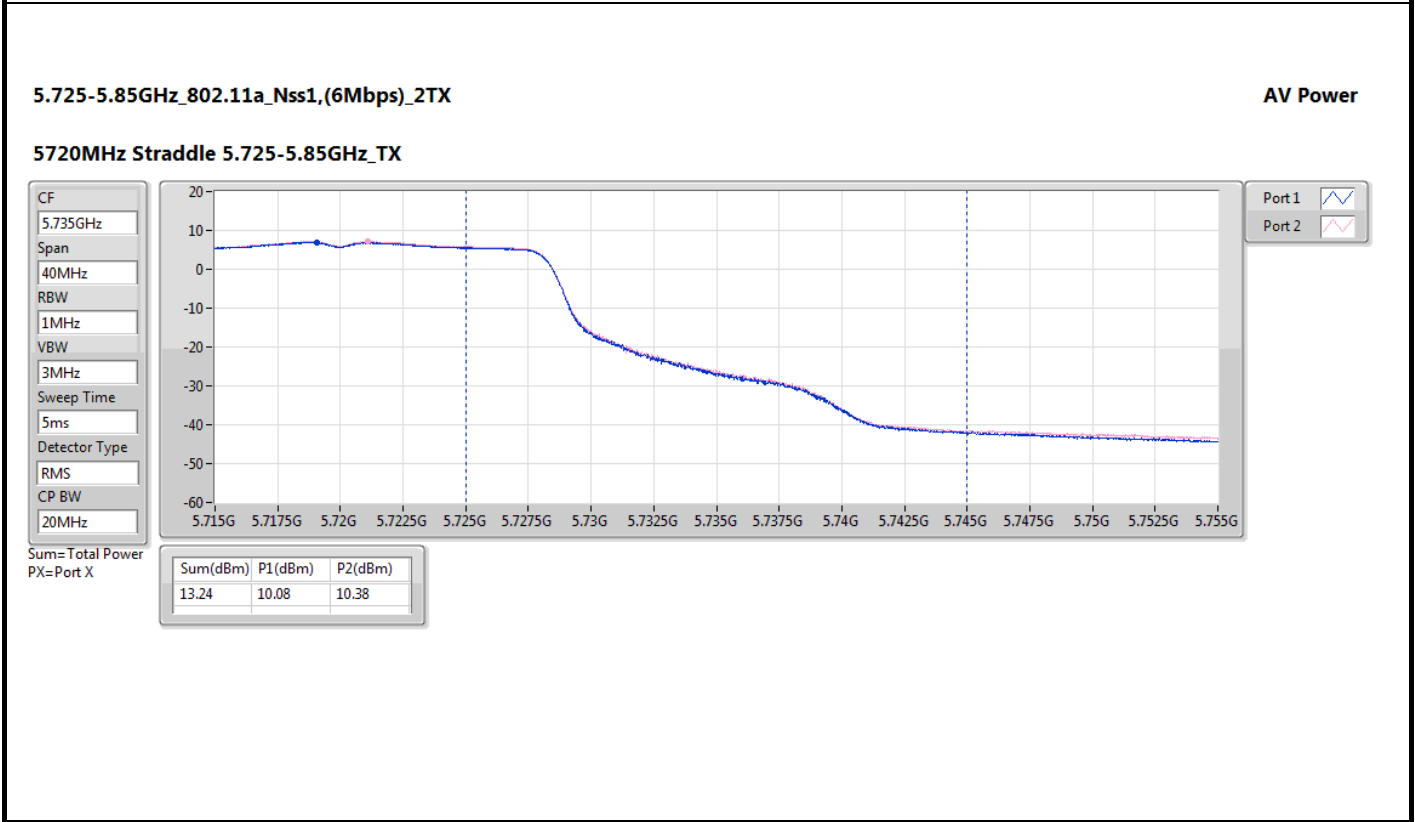
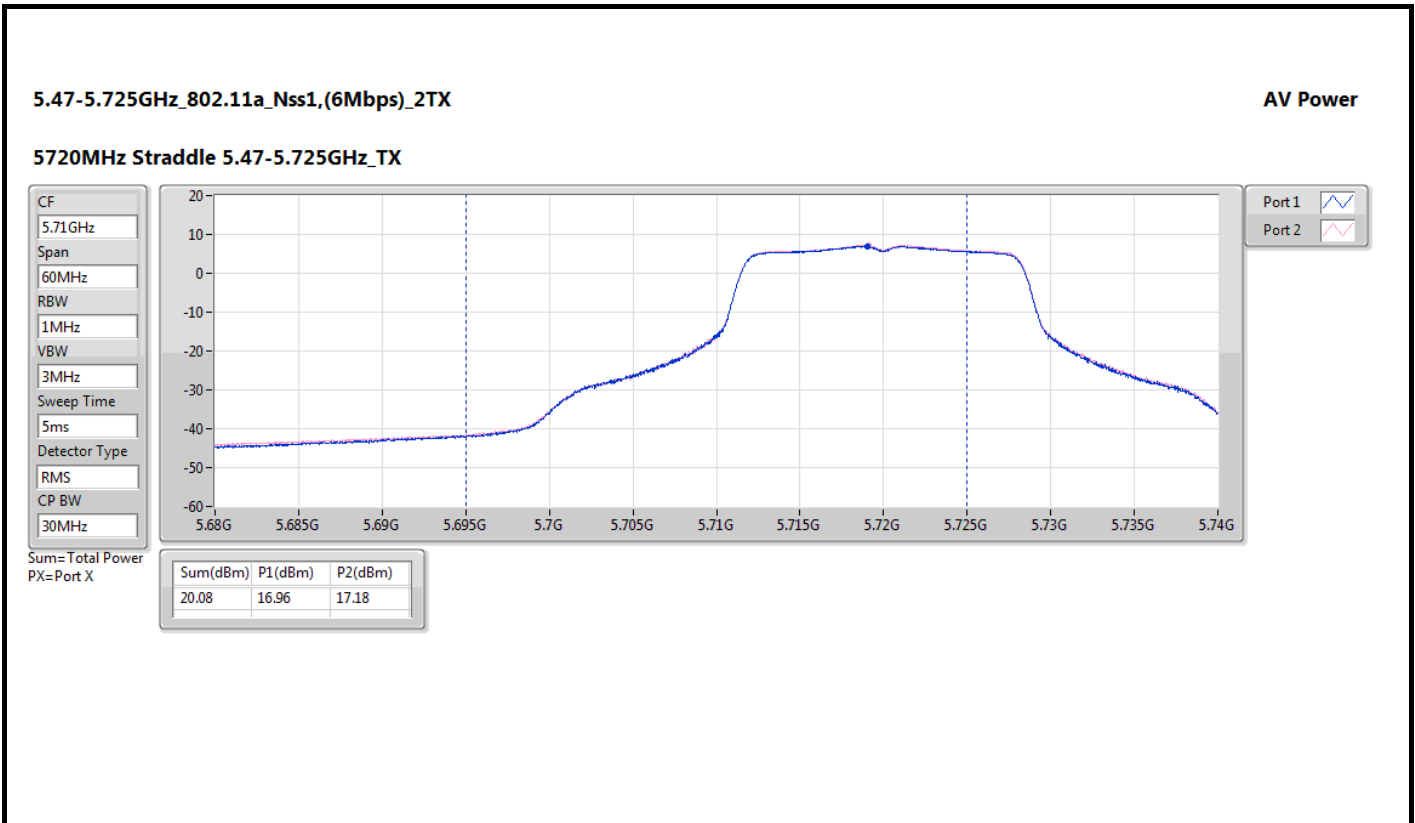


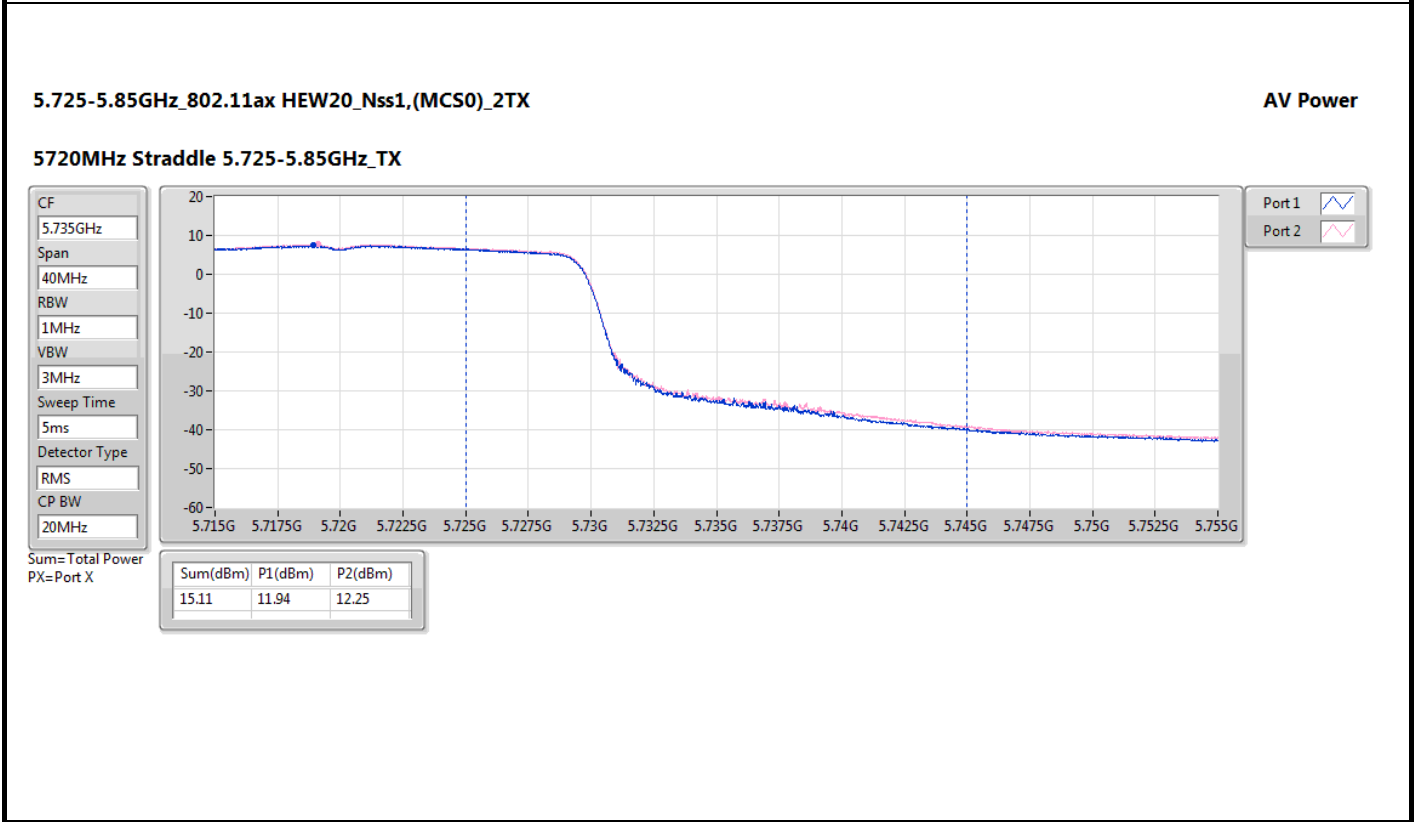
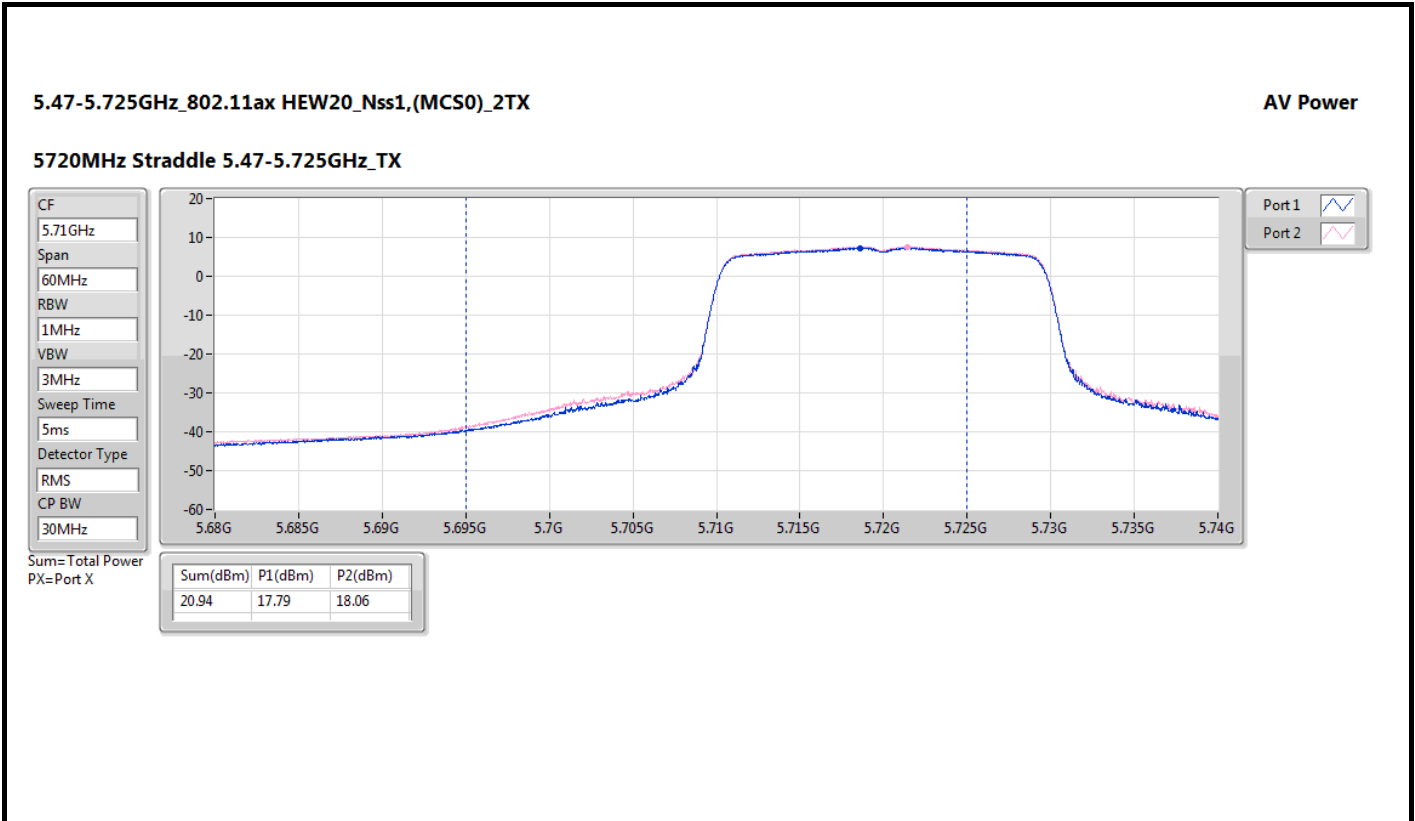
## Conducted Output Power(Average) - SC Module

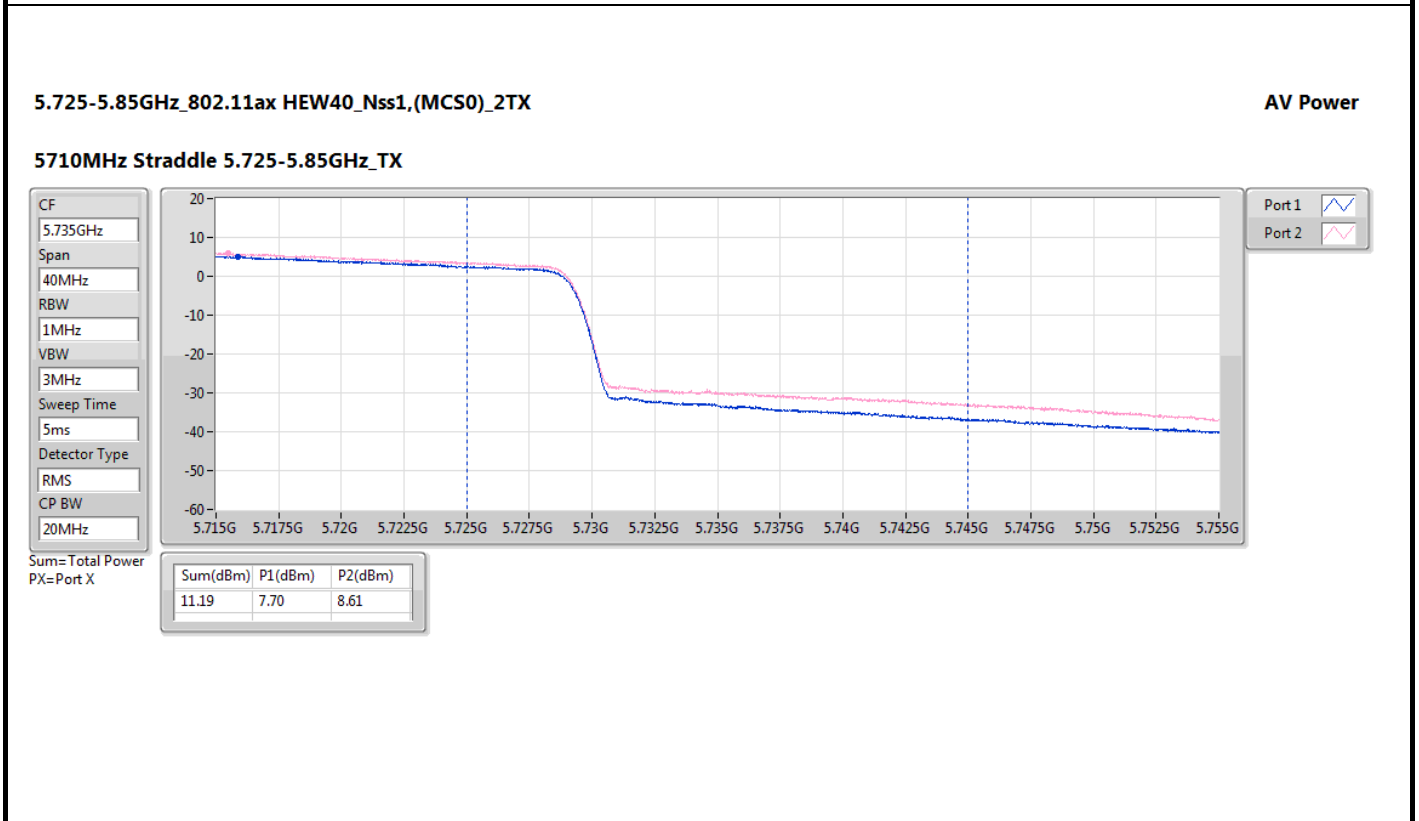
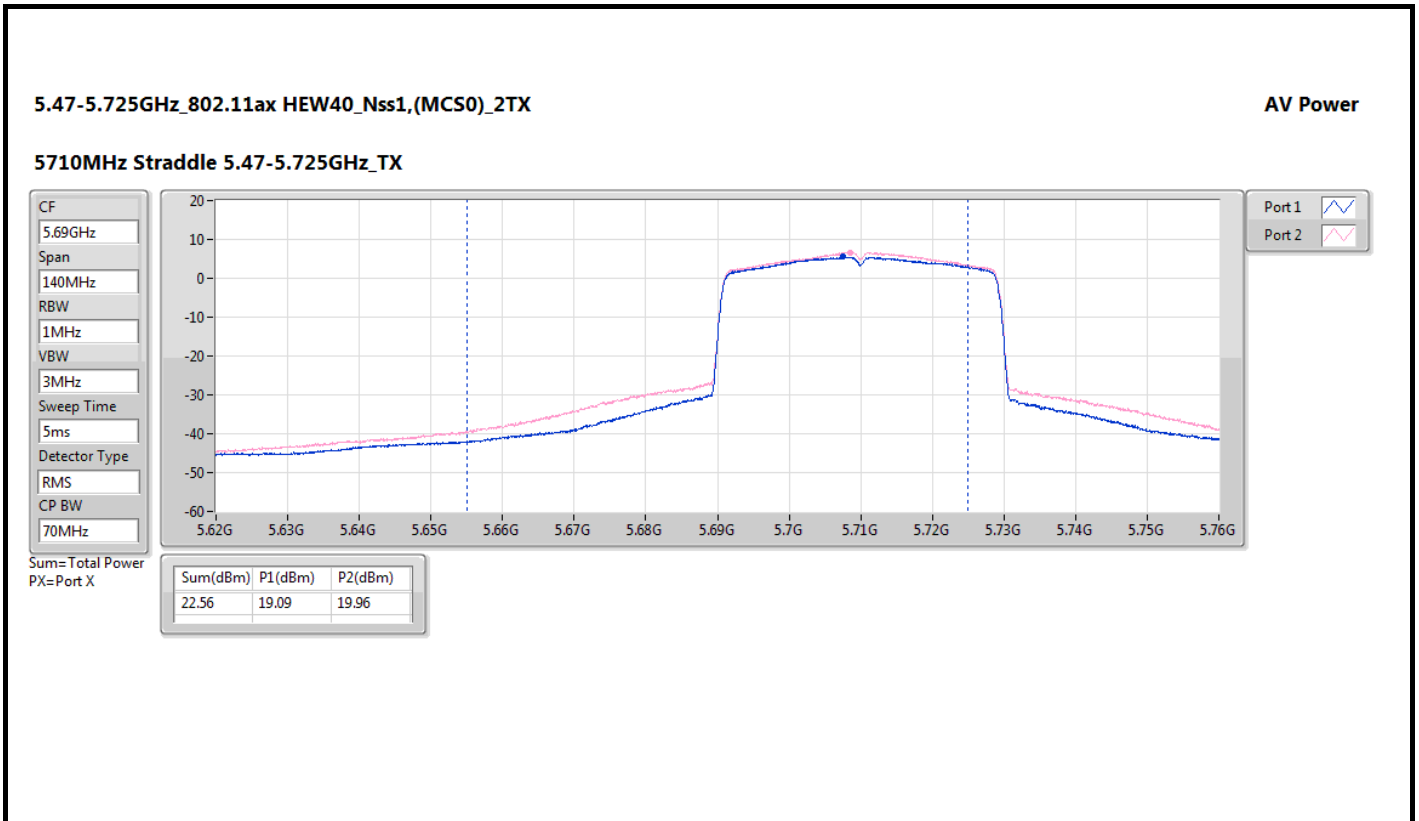
## Appendix B.1

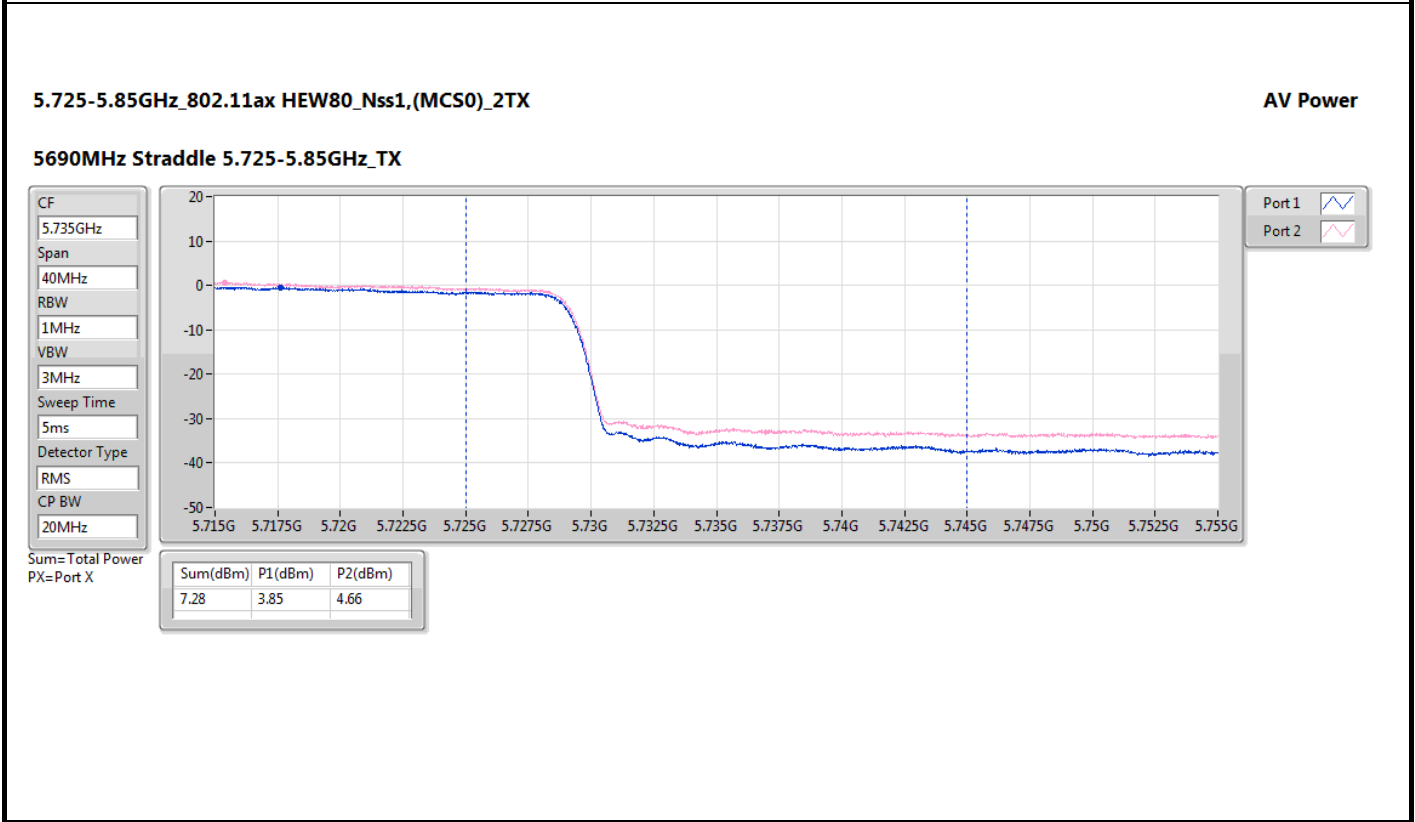
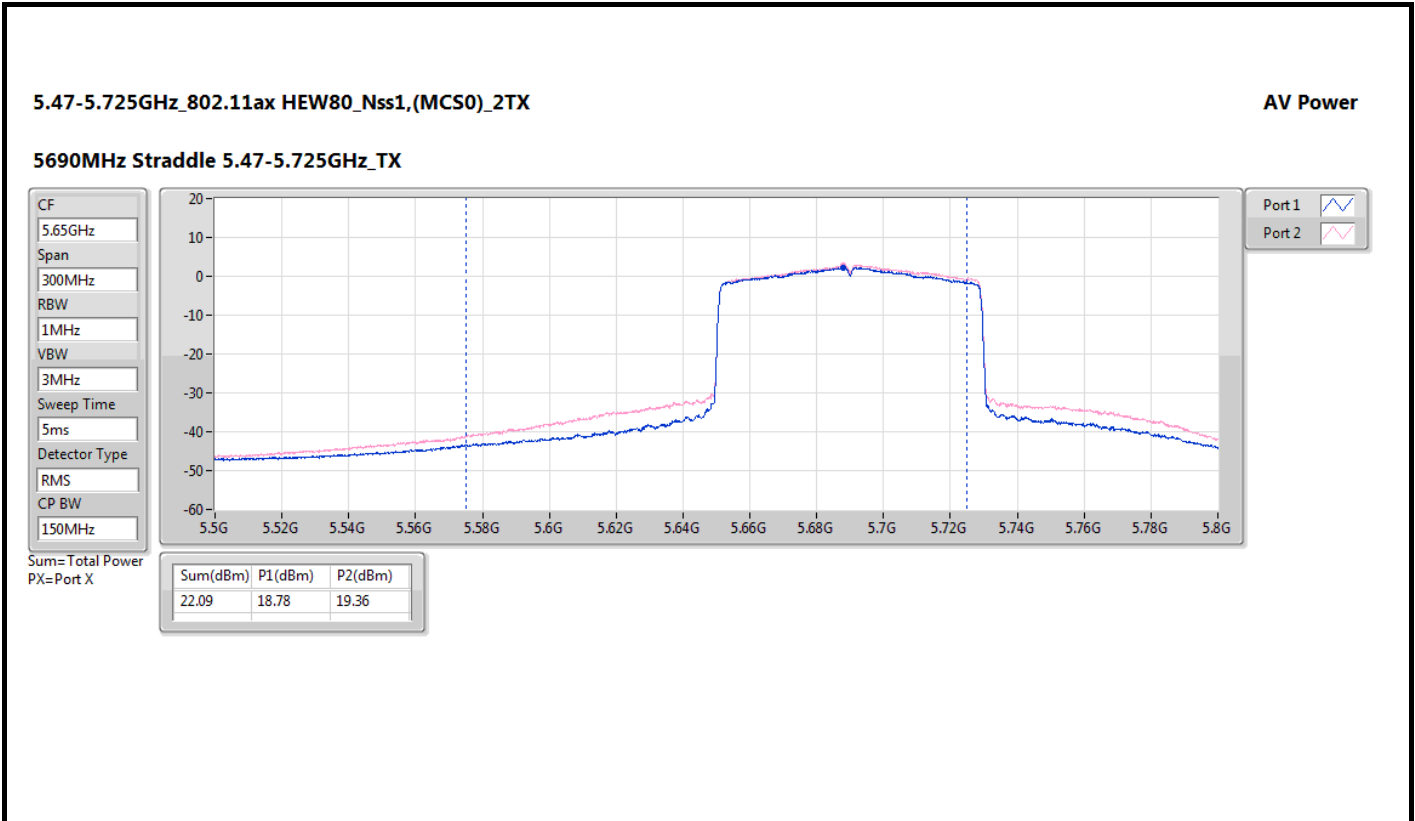
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5755MHz	Pass	4.40	18.51	18.61	21.57	30.00	25.97	36.00
5795MHz	Pass	4.40	19.37	19.75	22.57	30.00	26.97	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5210MHz	Pass	4.40	9.35	9.92	12.65	24.00	17.05	30.00
5290MHz	Pass	4.40	10.16	10.21	13.20	24.00	17.60	30.00
5530MHz	Pass	4.40	12.56	12.84	15.71	24.00	20.11	30.00
5610MHz	Pass	4.40	16.36	17.13	19.77	24.00	24.17	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.40	18.78	19.36	22.09	24.00	26.49	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.40	3.85	4.66	7.28	30.00	11.68	36.00
5775MHz	Pass	4.40	16.75	17.05	19.91	30.00	24.31	36.00

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













**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	17.07	0.05093	24.48	0.28054
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	15.09	0.03228	22.50	0.17783
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	9.64	0.00920	17.05	0.05070
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	17.20	0.05248	24.61	0.28907
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	15.19	0.03304	22.60	0.18197
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	10.19	0.01045	17.60	0.05754
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	18.51	0.07096	25.92	0.39084
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	19.55	0.09016	26.96	0.49659
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	19.08	0.08091	26.49	0.44566
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	19.77	0.09484	27.18	0.52240
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	19.56	0.09036	26.97	0.49774
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	16.90	0.04898	24.31	0.26977



**Conducted Output Power(Average) - SC Module**

**Appendix B.2**

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5180MHz	Pass	7.41	9.46	9.74	12.61	22.59	20.02	30.00
5200MHz	Pass	7.41	11.7	12.01	14.87	22.59	22.28	30.00
5240MHz	Pass	7.41	14.52	13.54	17.07	22.59	24.48	30.00
5260MHz	Pass	7.41	14.54	13.8	17.20	22.59	24.61	30.00
5300MHz	Pass	7.41	12.26	11.92	15.10	22.59	22.51	30.00
5320MHz	Pass	7.41	10.3	10.04	13.18	22.59	20.59	30.00
5500MHz	Pass	7.41	10.91	10.9	13.92	22.59	21.33	30.00
5580MHz	Pass	7.41	15.21	15.77	18.51	22.59	25.92	30.00
5700MHz	Pass	7.41	11.02	11.14	14.09	22.59	21.50	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.41	14.78	15.05	17.93	21.60	25.34	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	7.41	8.93	9.24	12.10	28.59	19.51	36.00
5745MHz	Pass	7.41	16.67	16.44	19.57	28.59	26.98	36.00
5785MHz	Pass	7.41	16.64	16.82	19.74	28.59	27.15	36.00
5825MHz	Pass	7.41	16.71	16.81	19.77	28.59	27.18	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5190MHz	Pass	7.41	9.04	10	12.56	22.59	19.97	30.00
5230MHz	Pass	7.41	12.01	12.14	15.09	22.59	22.50	30.00
5270MHz	Pass	7.41	12.34	12.02	15.19	22.59	22.60	30.00
5310MHz	Pass	7.41	9.53	9.83	12.69	22.59	20.10	30.00
5510MHz	Pass	7.41	10.66	11.2	13.95	22.59	21.36	30.00
5590MHz	Pass	7.41	15.44	16.5	19.01	22.59	26.42	30.00
5670MHz	Pass	7.41	12.75	13.2	15.99	22.59	23.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.41	16.08	16.95	19.55	22.59	26.96	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.41	4.69	5.6	8.18	28.59	15.59	36.00
5755MHz	Pass	7.41	15.5	15.6	18.56	28.59	25.97	36.00
5795MHz	Pass	7.41	16.36	16.74	19.56	28.59	26.97	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5210MHz	Pass	7.41	6.34	6.91	9.64	22.59	17.05	30.00
5290MHz	Pass	7.41	7.15	7.2	10.19	22.59	17.60	30.00
5530MHz	Pass	7.41	9.55	9.83	12.70	22.59	20.11	30.00
5610MHz	Pass	7.41	13.35	14.12	16.76	22.59	24.17	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.41	15.77	16.35	19.08	22.59	26.49	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.41	0.84	1.65	4.27	28.59	11.68	36.00
5775MHz	Pass	7.41	13.74	14.04	16.90	28.59	24.31	36.00

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

Remarks:

For 5180~5240MHz/5260~5320MHz/5500~5720MHz:

Directional gain =  $4.4+10 \cdot \log(2/1)=7.41$  dBi > 6dBi, so the limit shall be reduced to 24 dBm – (7.41dBi – 6dBi) =22.59 dBm

For 5745~5825MHz:

Directional gain =  $4.4+10 \cdot \log(2/1)=7.41$  dBi > 6dBi, so the limit shall be reduced to 30 dBm – (7.41dBi – 6dBi) =28.59 dBm



Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.84	0.09638	24.24	0.26546
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	19.79	0.09528	24.19	0.26242
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	17.82	0.06053	22.22	0.16672
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	12.40	0.01738	16.80	0.04786
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.48	0.08872	23.88	0.24434
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	19.82	0.09594	24.22	0.26424
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	17.81	0.06039	22.21	0.16634
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	13.19	0.02084	17.59	0.05741
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.50	0.11220	24.90	0.30903
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	21.20	0.13183	25.60	0.36308
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	22.46	0.17620	26.86	0.48529
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	21.72	0.14859	26.12	0.40926
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.47	0.17660	26.87	0.48641
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	22.42	0.17458	26.82	0.48084
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	22.41	0.17418	26.81	0.47973
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	19.64	0.09204	24.04	0.25351



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.40	12.8	12.29	15.56	24.00	19.96	30.00
5200MHz	Pass	4.40	13.86	13.51	16.70	24.00	21.10	30.00
5240MHz	Pass	4.40	16.99	16.66	19.84	24.00	24.24	30.00
5260MHz	Pass	4.40	16.67	16.25	19.48	24.00	23.88	30.00
5300MHz	Pass	4.40	14.55	14.48	17.53	24.00	21.93	30.00
5320MHz	Pass	4.40	13.07	13.13	16.11	24.00	20.51	30.00
5500MHz	Pass	4.40	13.31	12.72	16.04	24.00	20.44	30.00
5580MHz	Pass	4.40	17.29	17.68	20.50	24.00	24.90	30.00
5700MHz	Pass	4.40	14.72	14.96	17.85	24.00	22.25	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.40	16.44	17.07	19.78	23.25	24.18	29.25
5720MHz Straddle 5.725-5.85GHz	Pass	4.40	9.66	10.37	13.04	30.00	17.44	36.00
5745MHz	Pass	4.40	19.25	19.22	22.25	30.00	26.65	36.00
5785MHz	Pass	4.40	19.08	19.54	22.33	30.00	26.73	36.00
5825MHz	Pass	4.40	19.04	19.84	22.47	30.00	26.87	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5180MHz	Pass	4.40	12.43	12.08	15.27	24.00	19.67	30.00
5200MHz	Pass	4.40	14.5	14.59	17.56	24.00	21.96	30.00
5240MHz	Pass	4.40	16.94	16.62	19.79	24.00	24.19	30.00
5260MHz	Pass	4.40	16.98	16.63	19.82	24.00	24.22	30.00
5300MHz	Pass	4.40	14.84	14.82	17.84	24.00	22.24	30.00
5320MHz	Pass	4.40	12.73	12.87	15.81	24.00	20.21	30.00
5500MHz	Pass	4.40	13.95	13.35	16.67	24.00	21.07	30.00
5580MHz	Pass	4.40	17.79	18.55	21.20	24.00	25.60	30.00
5700MHz	Pass	4.40	13.86	14.02	16.95	24.00	21.35	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.40	17.24	17.96	20.63	23.01	25.03	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	4.40	11.48	12.21	14.87	30.00	19.27	36.00
5745MHz	Pass	4.40	19.41	19.17	22.30	30.00	26.70	36.00
5785MHz	Pass	4.40	19.37	19.39	22.39	30.00	26.79	36.00
5825MHz	Pass	4.40	19.11	19.69	22.42	30.00	26.82	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5190MHz	Pass	4.40	12.17	12.28	15.24	24.00	19.64	30.00
5230MHz	Pass	4.40	14.85	14.77	17.82	24.00	22.22	30.00
5270MHz	Pass	4.40	14.78	14.82	17.81	24.00	22.21	30.00
5310MHz	Pass	4.40	12.49	12.83	15.67	24.00	20.07	30.00
5510MHz	Pass	4.40	13.63	13.59	16.62	24.00	21.02	30.00
5590MHz	Pass	4.40	18.29	19.21	21.78	24.00	26.18	30.00
5670MHz	Pass	4.40	15.62	16.25	18.96	24.00	23.36	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.40	18.86	19.97	22.46	24.00	26.86	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.40	7.38	8.65	11.07	30.00	15.47	36.00

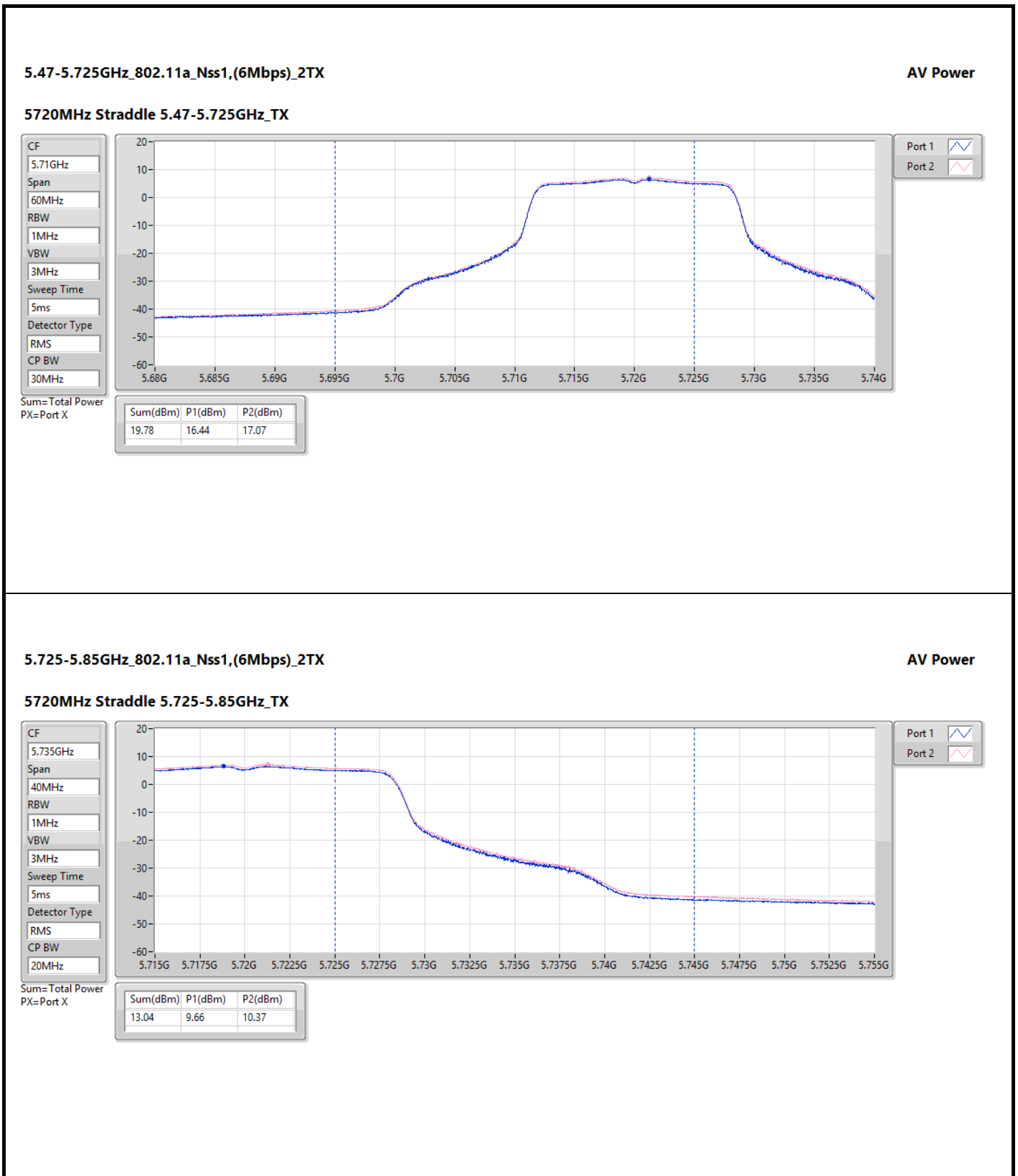


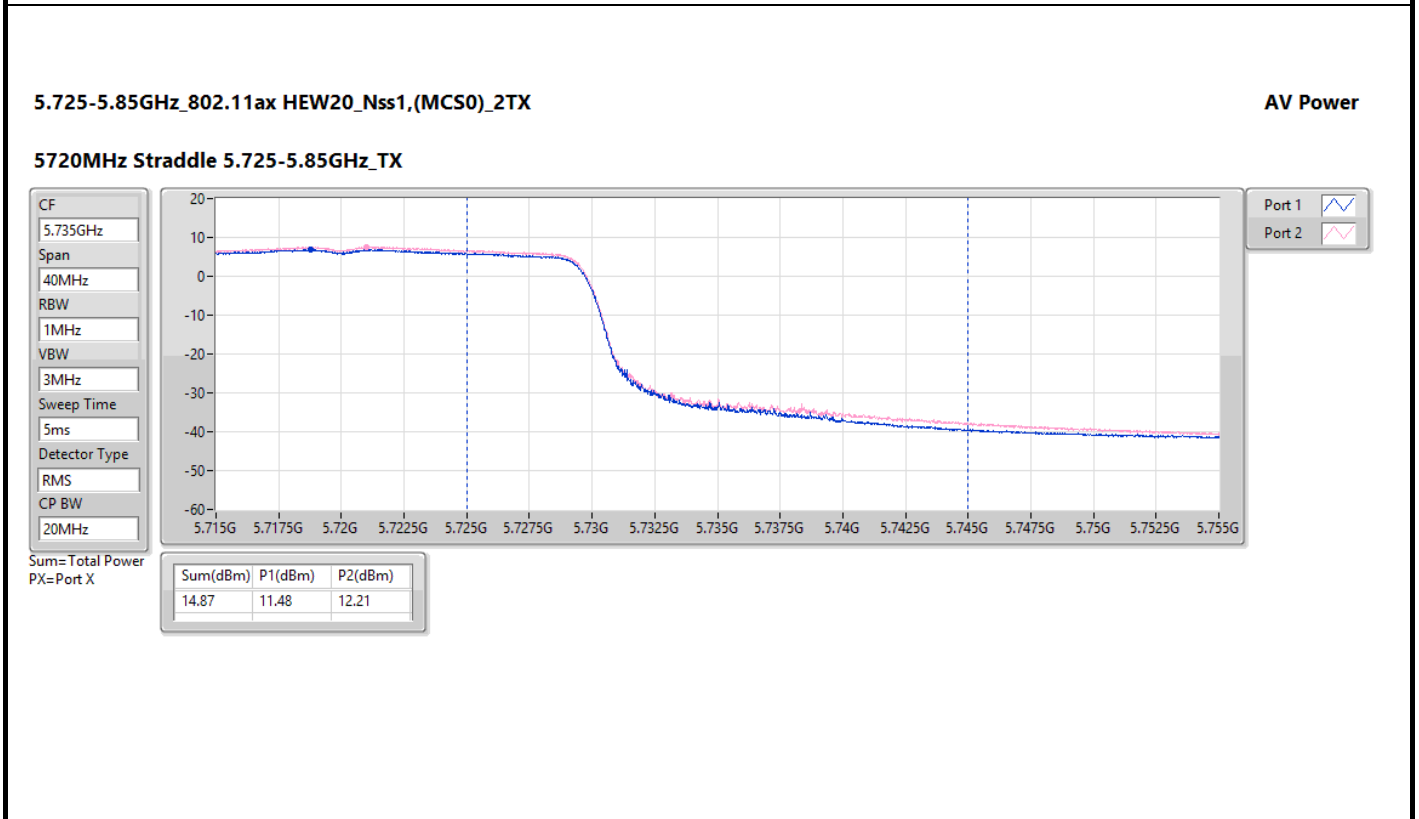
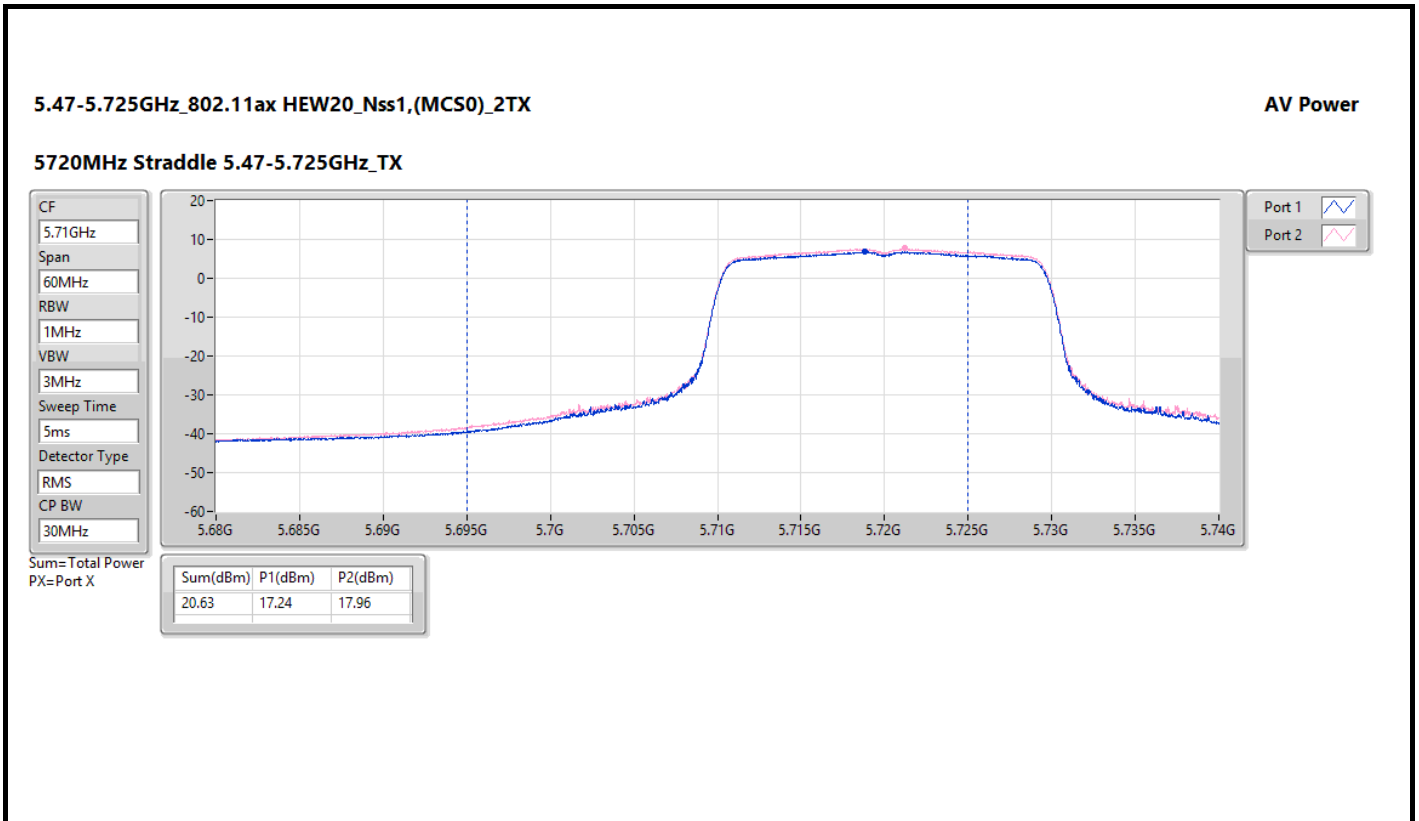
## Conducted Output Power(Average) - ST Module

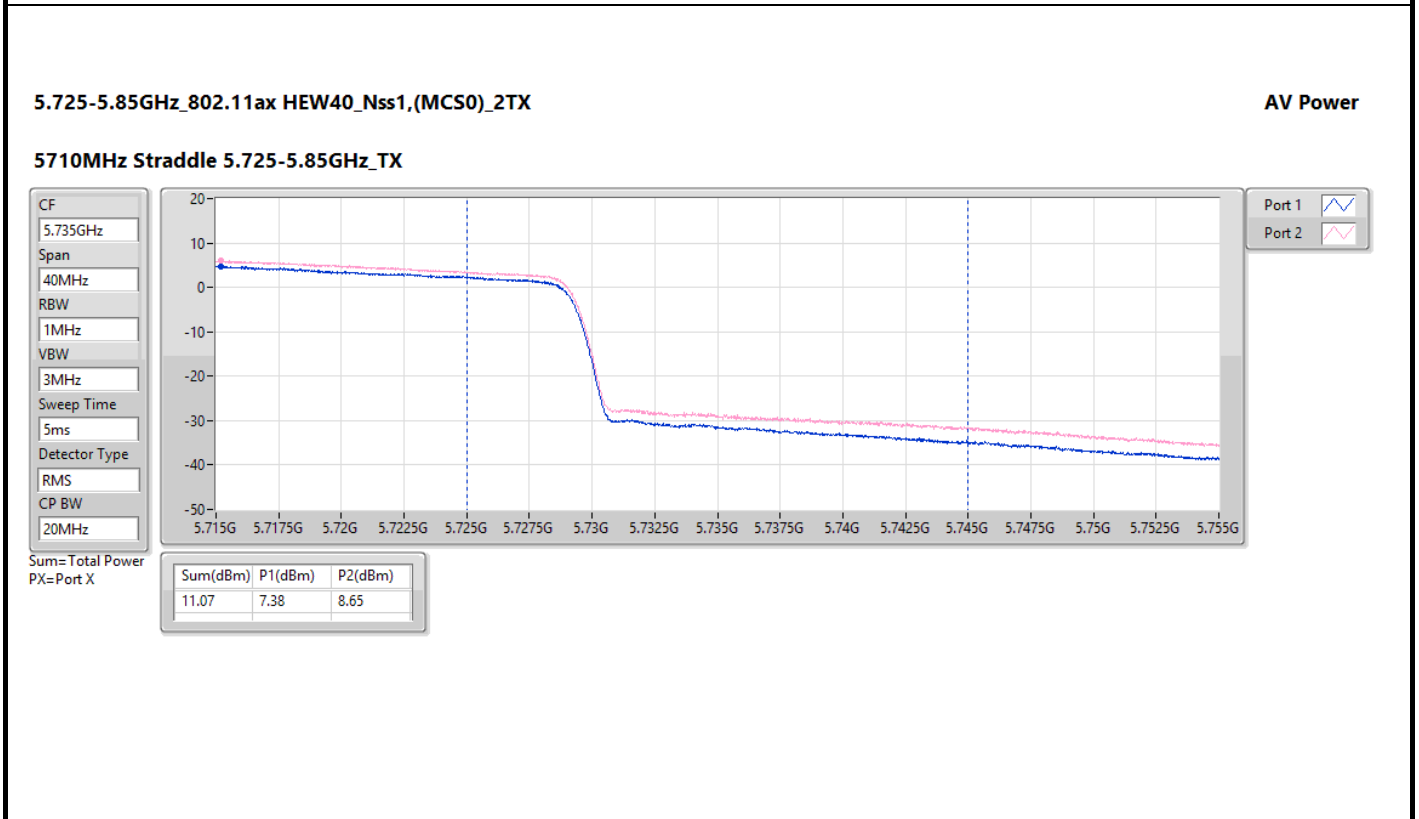
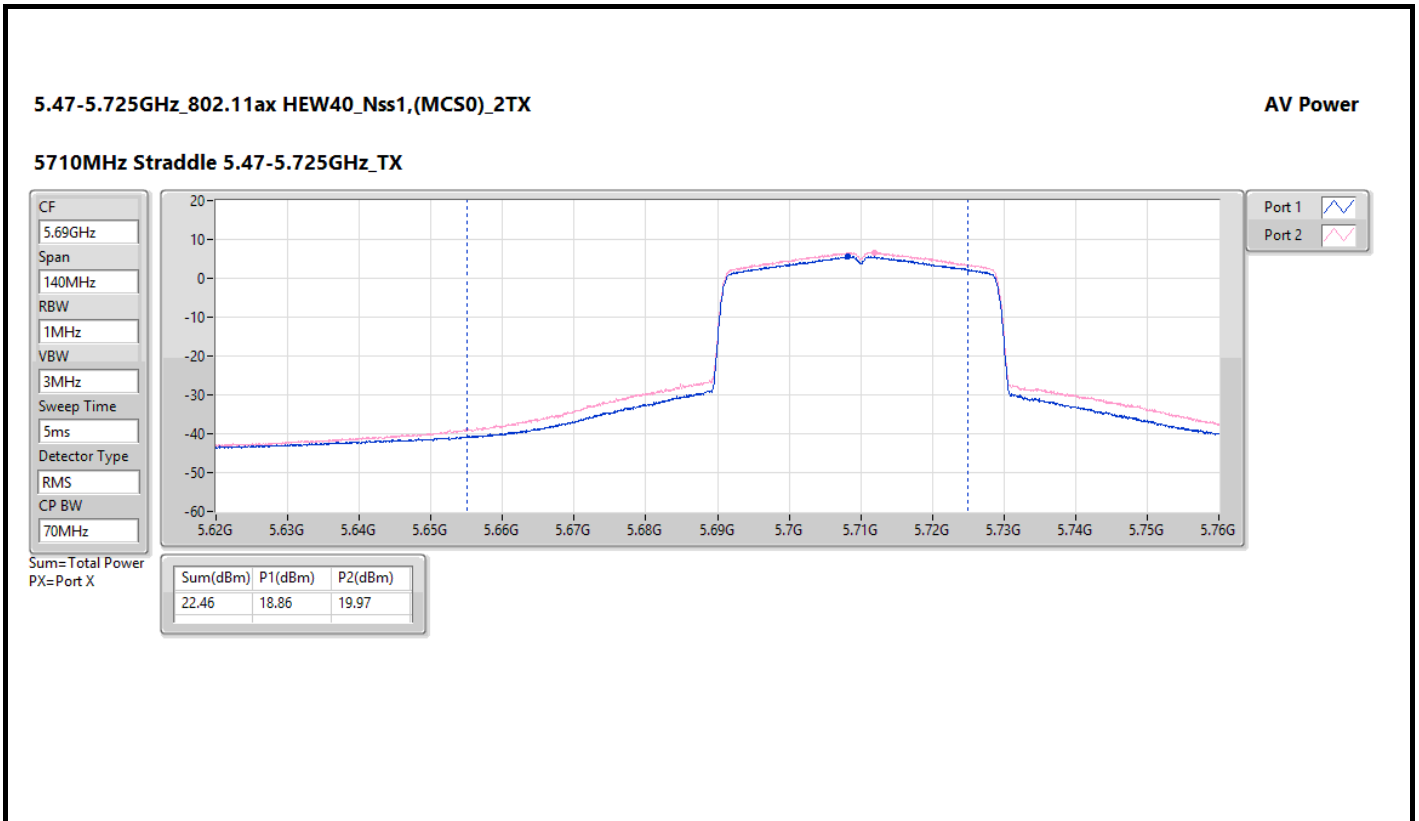
## Appendix B.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5755MHz	Pass	4.40	18.17	18.61	21.41	30.00	25.81	36.00
5795MHz	Pass	4.40	19.07	19.71	22.41	30.00	26.81	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5210MHz	Pass	4.40	9.36	9.42	12.40	24.00	16.80	30.00
5290MHz	Pass	4.40	10.12	10.23	13.19	24.00	17.59	30.00
5530MHz	Pass	4.40	12.49	12.18	15.35	24.00	19.75	30.00
5610MHz	Pass	4.40	16.02	16.64	19.35	24.00	23.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.40	18.24	19.13	21.72	24.00	26.12	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.40	3.29	4.5	6.95	30.00	11.35	36.00
5775MHz	Pass	4.40	16.28	16.96	19.64	30.00	24.04	36.00

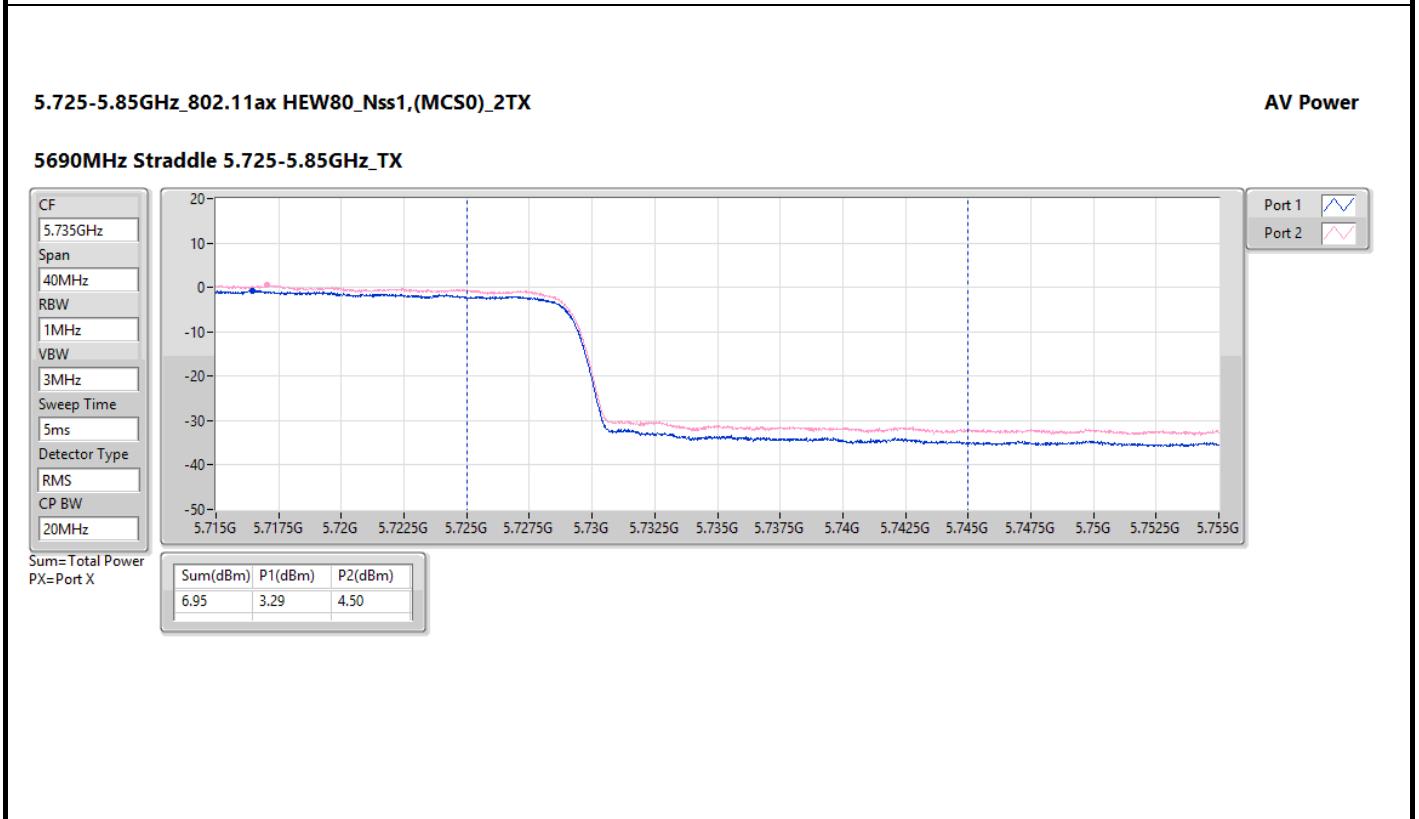
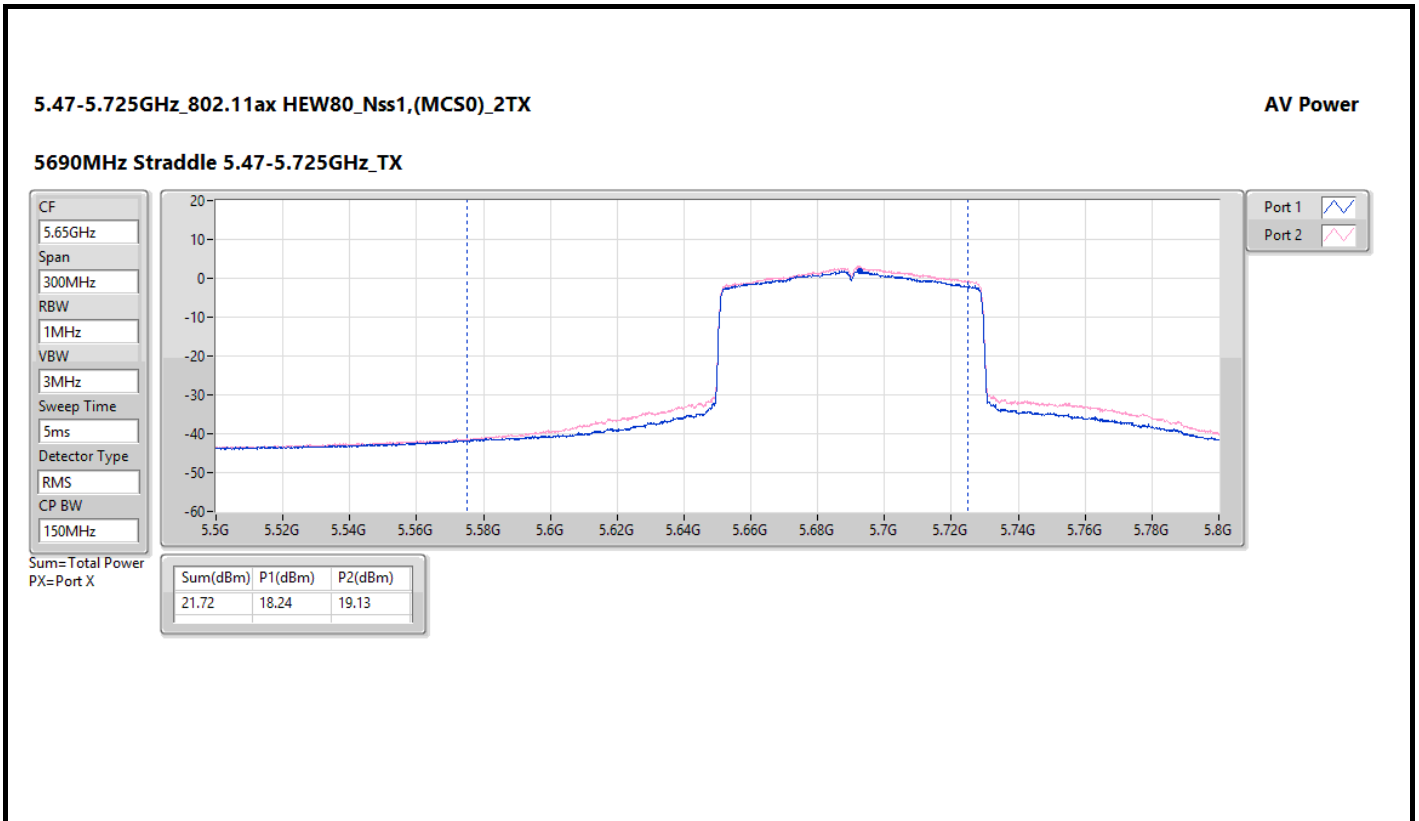
DG = Directional Gain; Port X = Port X output power













**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	16.78	0.04764	24.19	0.26242
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	14.81	0.03027	22.22	0.16672
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	9.39	0.00869	16.80	0.04786
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	16.81	0.04797	24.22	0.26424
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	14.80	0.03020	22.21	0.16634
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	10.18	0.01042	17.59	0.05741
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	18.19	0.06592	25.60	0.36308
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	19.45	0.08810	26.86	0.48529
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	18.71	0.07430	26.12	0.40926
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	19.41	0.08730	26.82	0.48084
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	19.40	0.08710	26.81	0.47973
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	16.63	0.04603	24.04	0.25351



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5180MHz	Pass	7.41	9.42	9.07	12.26	22.59	19.67	30.00
5200MHz	Pass	7.41	11.49	11.58	14.55	22.59	21.96	30.00
5240MHz	Pass	7.41	13.93	13.61	16.78	22.59	24.19	30.00
5260MHz	Pass	7.41	13.97	13.62	16.81	22.59	24.22	30.00
5300MHz	Pass	7.41	11.83	11.81	14.83	22.59	22.24	30.00
5320MHz	Pass	7.41	9.72	9.86	12.80	22.59	20.21	30.00
5500MHz	Pass	7.41	10.94	10.34	13.66	22.59	21.07	30.00
5580MHz	Pass	7.41	14.78	15.54	18.19	22.59	25.60	30.00
5700MHz	Pass	7.41	10.85	11.01	13.94	22.59	21.35	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.41	14.23	14.95	17.62	21.60	25.03	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	7.41	8.47	9.2	11.86	28.59	19.27	36.00
5745MHz	Pass	7.41	16.4	16.16	19.29	28.59	26.70	36.00
5785MHz	Pass	7.41	16.36	16.38	19.38	28.59	26.79	36.00
5825MHz	Pass	7.41	16.1	16.68	19.41	28.59	26.82	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5190MHz	Pass	7.41	9.16	9.27	12.23	22.59	19.64	30.00
5230MHz	Pass	7.41	11.84	11.76	14.81	22.59	22.22	30.00
5270MHz	Pass	7.41	11.77	11.81	14.80	22.59	22.21	30.00
5310MHz	Pass	7.41	9.48	9.82	12.66	22.59	20.07	30.00
5510MHz	Pass	7.41	10.62	10.58	13.61	22.59	21.02	30.00
5590MHz	Pass	7.41	15.28	16.2	18.77	22.59	26.18	30.00
5670MHz	Pass	7.41	12.61	13.24	15.95	22.59	23.36	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.41	15.85	16.96	19.45	22.59	26.86	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.41	4.37	5.64	8.06	28.59	15.47	36.00
5755MHz	Pass	7.41	15.16	15.6	18.40	28.59	25.81	36.00
5795MHz	Pass	7.41	16.06	16.7	19.40	28.59	26.81	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5210MHz	Pass	7.41	6.35	6.41	9.39	22.59	16.80	30.00
5290MHz	Pass	7.41	7.11	7.22	10.18	22.59	17.59	30.00
5530MHz	Pass	7.41	9.48	9.17	12.34	22.59	19.75	30.00
5610MHz	Pass	7.41	13.01	13.63	16.34	22.59	23.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.41	15.23	16.12	18.71	22.59	26.12	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.41	0.28	1.49	3.94	28.59	11.35	36.00
5775MHz	Pass	7.41	13.27	13.95	16.63	28.59	24.04	36.00

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

Remarks:

For 5180~5240MHz/5260~5320MHz/5500~5720MHz:

Directional gain =  $4.4+10 \cdot \log(2/1)=7.41$  dBi > 6dBi, so the limit shall be reduced to 24 dBm – (7.41dBi – 6dBi) =22.59 dBm

For 5745~5825MHz:

Directional gain =  $4.4+10 \cdot \log(2/1)=7.41$  dBi > 6dBi, so the limit shall be reduced to 30 dBm – (7.41dBi – 6dBi) =28.59 dBm



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.67	16.08
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	7.33	14.74
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	2.91	10.32
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-5.43	1.98
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.54	14.95
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	7.39	14.80
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	3.19	10.60
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-5.13	2.28
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.01	16.42
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	9.00	16.41
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	7.87	15.28
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	4.15	11.56
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.16	16.57
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	8.40	15.81
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	6.30	13.71
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	0.21	7.62

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.41	0.25	0.51	3.31	9.59	10.72	17.00
5200MHz	Pass	7.41	1.59	2.29	4.85	9.59	12.26	17.00
5240MHz	Pass	7.41	6.11	5.16	8.67	9.59	16.08	17.00
5260MHz	Pass	7.41	5.02	4.13	7.54	9.59	14.95	17.00
5300MHz	Pass	7.41	2.98	2.92	5.85	9.59	13.26	17.00
5320MHz	Pass	7.41	1.05	0.82	3.87	9.59	11.28	17.00
5500MHz	Pass	7.41	1.28	1.05	4.05	9.59	11.46	17.00
5580MHz	Pass	7.41	5.74	6.33	9.01	9.59	16.42	17.00
5700MHz	Pass	7.41	2.96	2.88	5.86	9.59	13.27	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.41	5.67	5.95	8.72	9.59	16.13	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.41	2.60	2.95	5.70	28.59	13.11	36.00
5745MHz	Pass	7.41	5.80	5.76	8.61	28.59	16.02	36.00
5785MHz	Pass	7.41	5.82	5.96	8.88	28.59	16.29	36.00
5825MHz	Pass	7.41	6.13	6.23	9.16	28.59	16.57	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5180MHz	Pass	7.41	-0.49	0.03	2.70	9.59	10.11	17.00
5200MHz	Pass	7.41	1.60	2.15	4.79	9.59	12.20	17.00
5240MHz	Pass	7.41	4.55	4.26	7.33	9.59	14.74	17.00
5260MHz	Pass	7.41	4.78	4.15	7.39	9.59	14.80	17.00
5300MHz	Pass	7.41	2.48	2.37	5.31	9.59	12.72	17.00
5320MHz	Pass	7.41	0.35	0.11	3.16	9.59	10.57	17.00
5500MHz	Pass	7.41	1.07	0.93	3.95	9.59	11.36	17.00
5580MHz	Pass	7.41	5.68	6.45	8.95	9.59	16.36	17.00
5700MHz	Pass	7.41	1.26	1.25	4.15	9.59	11.56	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.41	5.92	6.25	9.00	9.59	16.41	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.41	3.54	3.86	6.55	28.59	13.96	36.00
5745MHz	Pass	7.41	5.28	5.22	8.20	28.59	15.61	36.00
5785MHz	Pass	7.41	5.37	5.25	8.15	28.59	15.56	36.00
5825MHz	Pass	7.41	5.28	5.52	8.40	28.59	15.81	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5190MHz	Pass	7.41	-2.82	-2.01	0.42	9.59	7.83	17.00
5230MHz	Pass	7.41	-0.03	0.01	2.91	9.59	10.32	17.00
5270MHz	Pass	7.41	0.46	0.20	3.19	9.59	10.60	17.00
5310MHz	Pass	7.41	-2.55	-2.27	0.52	9.59	7.93	17.00
5510MHz	Pass	7.41	-1.15	-0.79	1.90	9.59	9.31	17.00
5590MHz	Pass	7.41	3.81	4.39	6.96	9.59	14.37	17.00
5670MHz	Pass	7.41	0.98	1.54	4.18	9.59	11.59	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.41	4.54	5.30	7.87	9.59	15.28	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.41	-0.28	0.51	3.04	28.59	10.45	36.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5755MHz	Pass	7.41	2.09	2.74	5.40	28.59	12.81	36.00
5795MHz	Pass	7.41	3.25	3.65	6.30	28.59	13.71	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
5210MHz	Pass	7.41	-8.73	-7.95	-5.43	9.59	1.98	17.00
5290MHz	Pass	7.41	-7.92	-8.16	-5.13	9.59	2.28	17.00
5530MHz	Pass	7.41	-5.68	-5.23	-2.61	9.59	4.80	17.00
5610MHz	Pass	7.41	-1.57	-1.41	1.44	9.59	8.85	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.41	0.79	1.58	4.15	9.59	11.56	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.41	-4.54	-3.58	-1.23	28.59	6.18	36.00
5775MHz	Pass	7.41	-2.98	-2.50	0.21	28.59	7.62	36.00

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;

Remarks:

For 5180~5240MHz/5260~5320MHz/5500~5720MHz:

Directional gain =  $4.4 + 10 * \log(2/1) = 7.41 \text{ dBi} > 6 \text{ dBi}$ , so the limit shall be reduced to 11 dBm – (7.41dBi – 6dBi ) 9.59 dBm

For 5745~5825MHz:

Directional gain =  $4.4 + 10 * \log(2/1) = 7.41 \text{ dBi} > 6 \text{ dBi}$ , so the limit shall be reduced to 30 dBm – (7.41dBi – 6dBi ) =28.59 dBm

