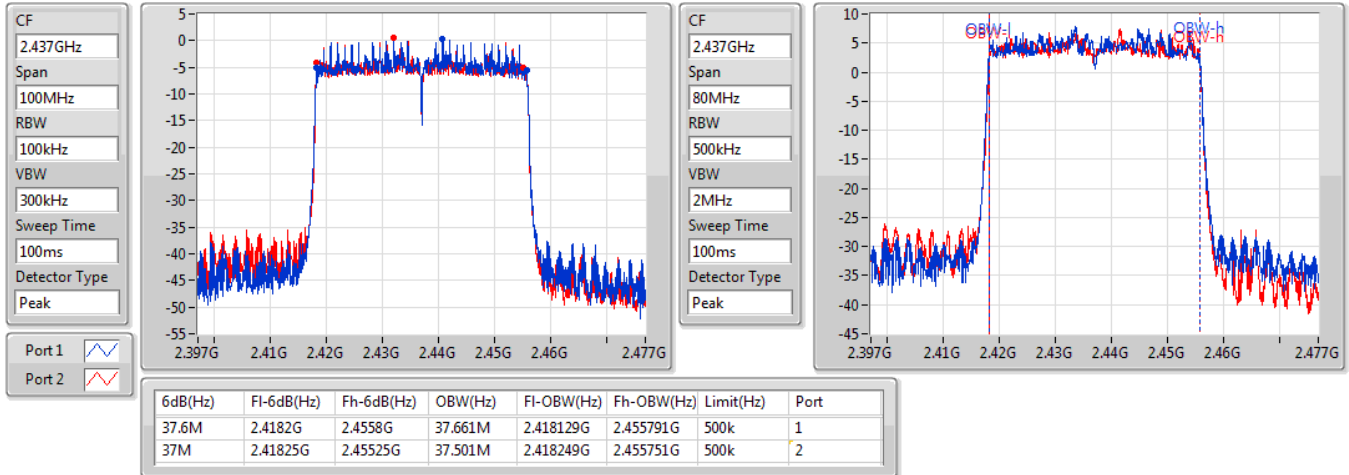


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

2437MHz

13/11/2019

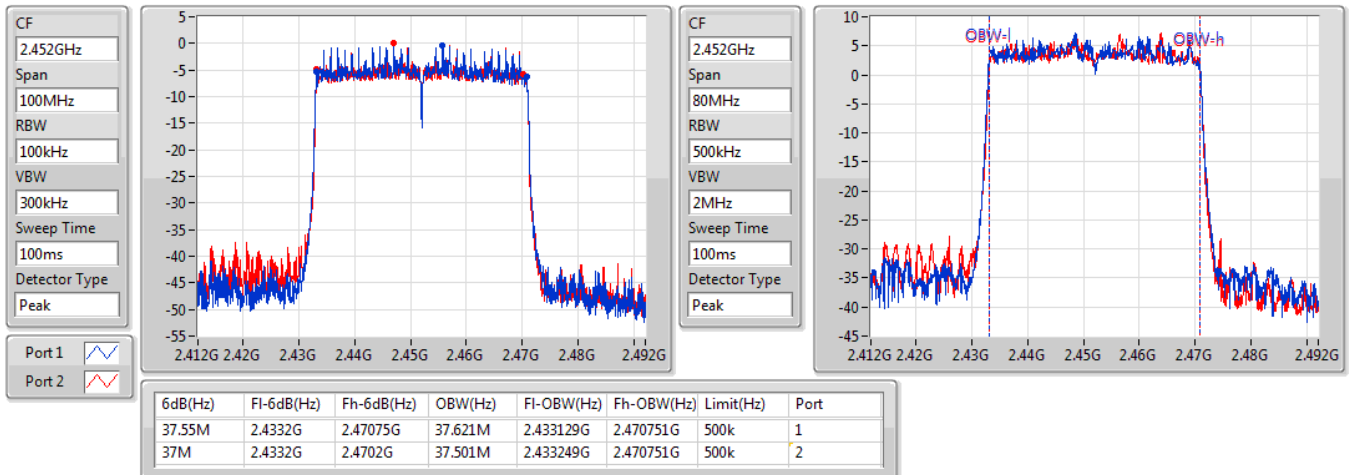


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

2452MHz

13/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.075M	10.395M	10M4G1D	7M	10.255M
802.11g_Nss1,(6Mbps)_1TX	16.35M	17.051M	17M1D1D	16.325M	16.732M
VHT20_Nss1,(MCS0)_1TX	17.575M	17.971M	18M0D1D	17.575M	17.851M
VHT40_Nss1,(MCS0)_1TX	36.3M	36.422M	36M4D1D	36.3M	36.382M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.11M	19M1D1D	18.95M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.5M	37.541M	37M5D1D	37.35M	37.501M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	7.05M	10.255M
2437MHz_TnomVnom	Pass	500k	7M	10.255M
2462MHz_TnomVnom	Pass	500k	7.075M	10.395M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.325M	16.752M
2437MHz_TnomVnom	Pass	500k	16.325M	17.051M
2462MHz_TnomVnom	Pass	500k	16.35M	16.732M
VHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.575M	17.871M
2437MHz_TnomVnom	Pass	500k	17.575M	17.971M
2462MHz_TnomVnom	Pass	500k	17.575M	17.851M
VHT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.3M	36.382M
2437MHz_TnomVnom	Pass	500k	36.3M	36.422M
2452MHz_TnomVnom	Pass	500k	36.3M	36.382M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	18.975M	18.991M
2437MHz_TnomVnom	Pass	500k	18.95M	19.11M
2462MHz_TnomVnom	Pass	500k	18.95M	19.01M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz_TnomVnom	Pass	500k	37.5M	37.501M
2437MHz_TnomVnom	Pass	500k	37.35M	37.541M
2452MHz_TnomVnom	Pass	500k	37.35M	37.501M

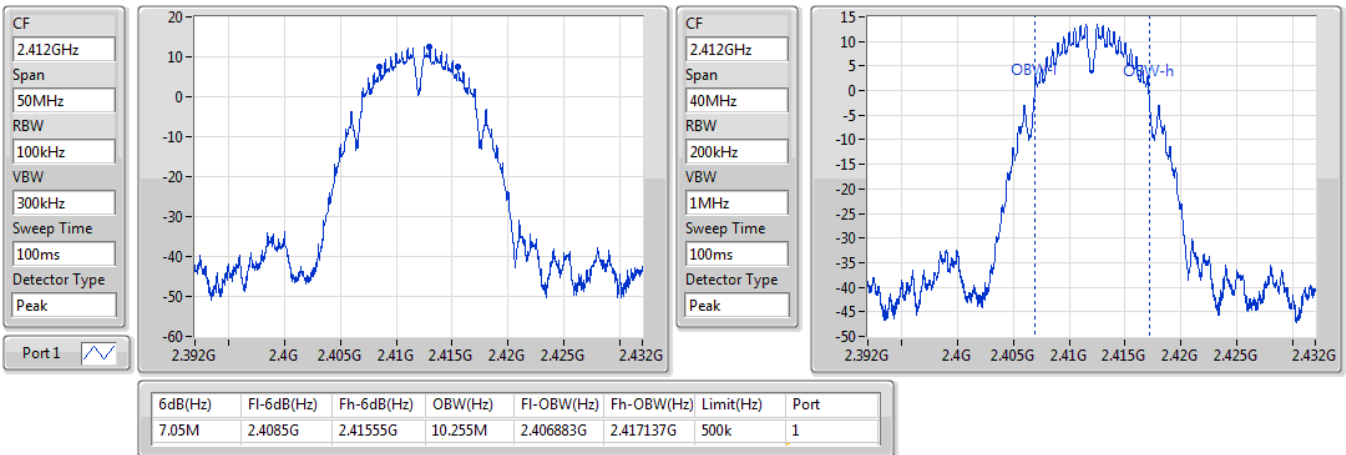
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

14/11/2019

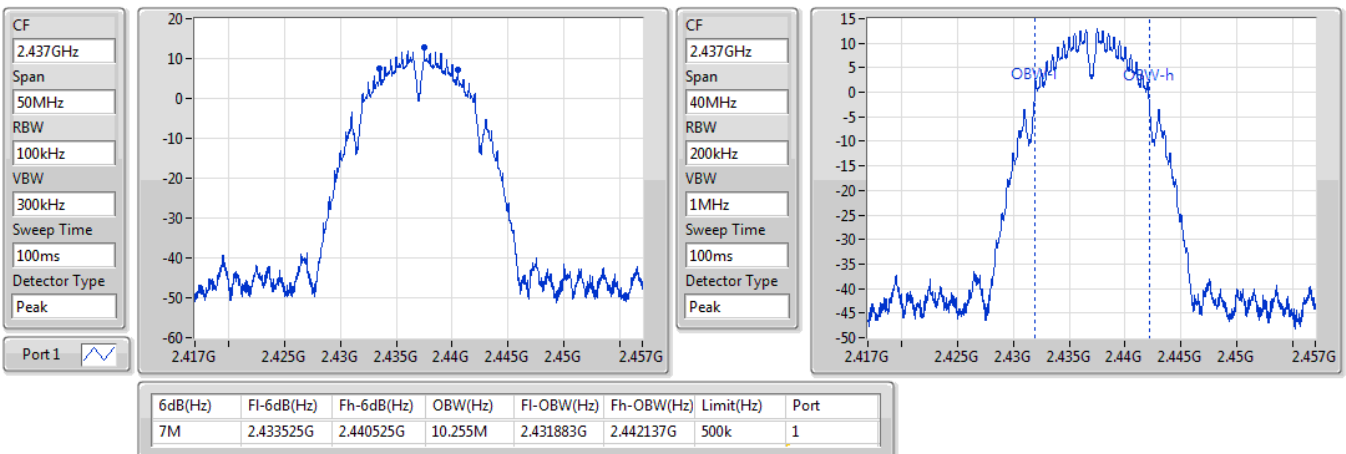


802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

14/11/2019

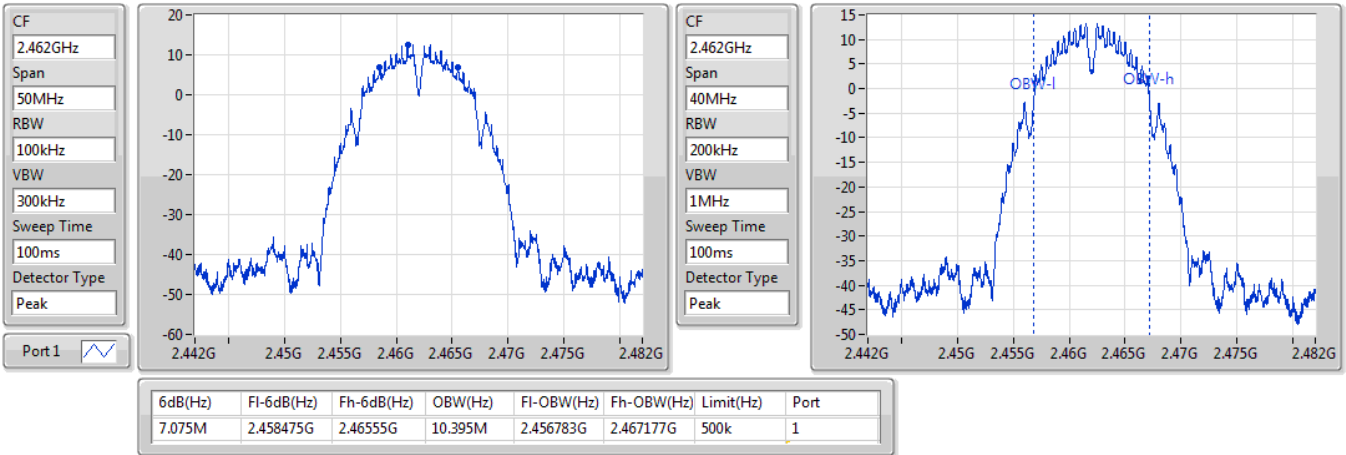


802.11b_Nss1,(1Mbps)_1TX

EBW

2462MHz

14/11/2019

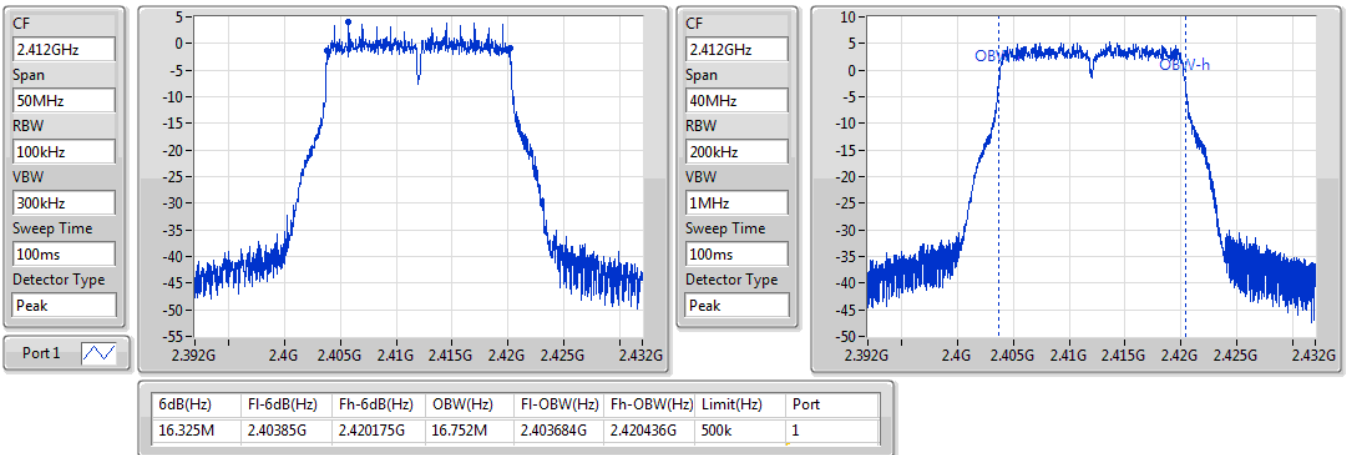


802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

14/11/2019

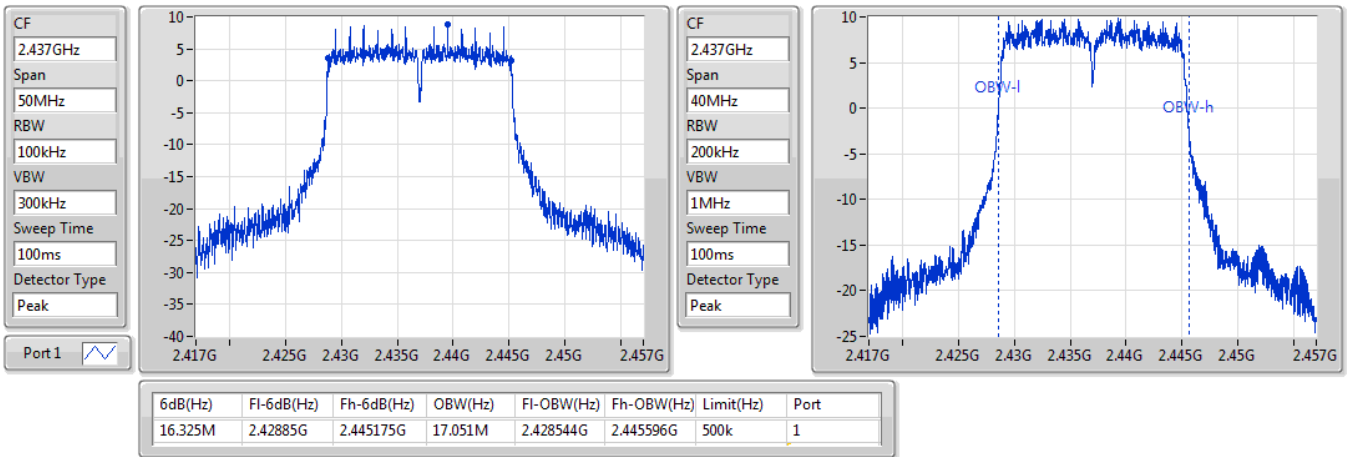


802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

14/11/2019

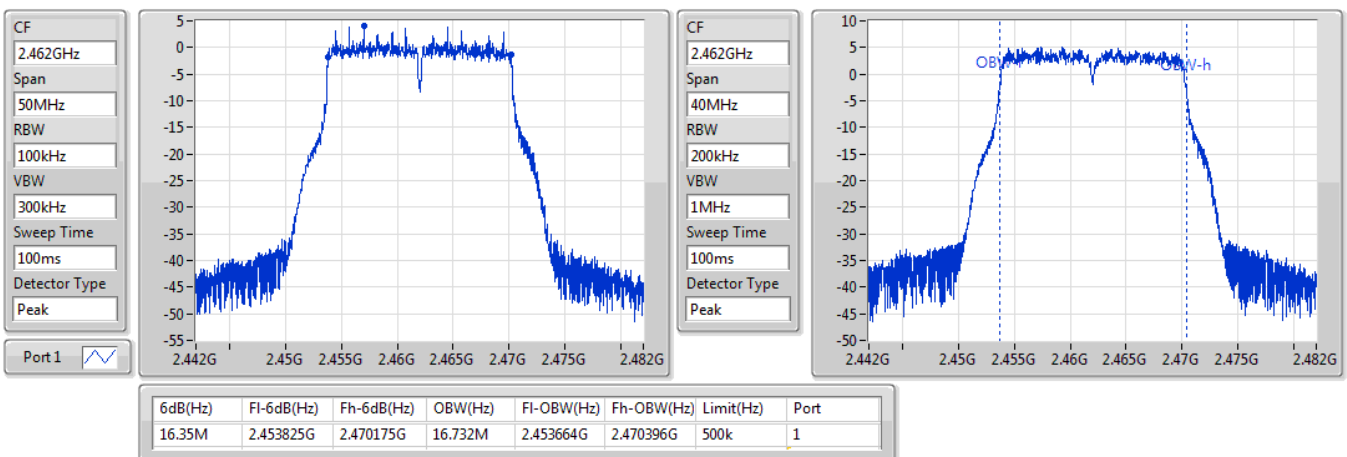


802.11g_Nss1,(6Mbps)_1TX

EBW

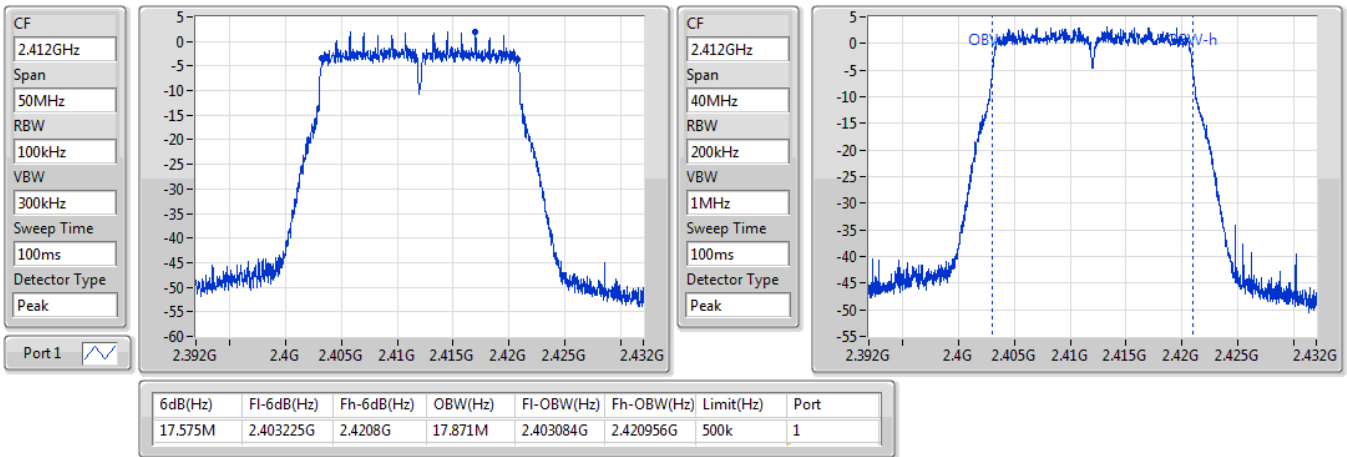
2462MHz

14/11/2019

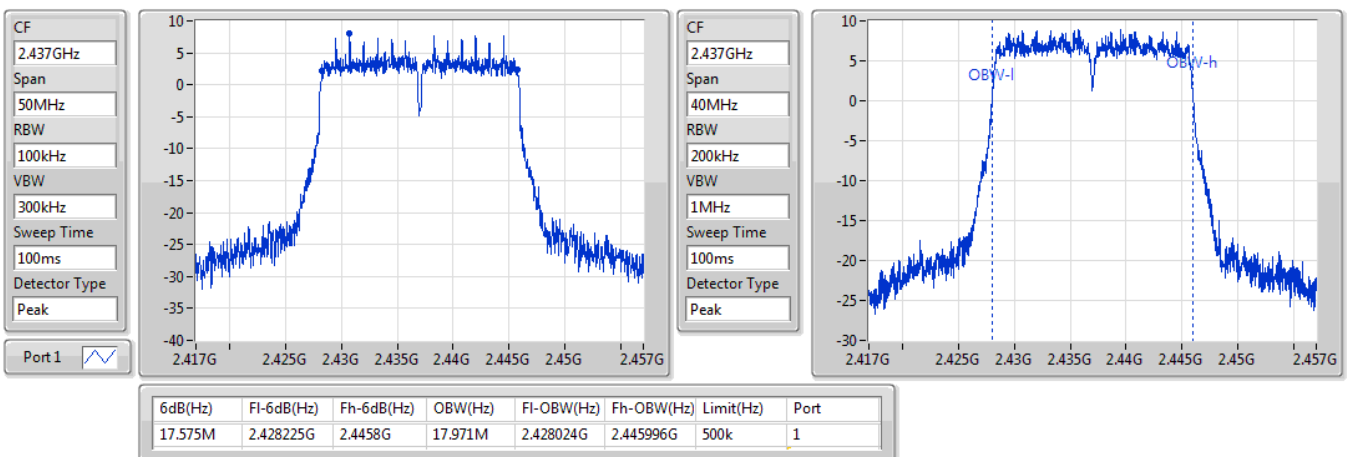


VHT20_Nss1,(MCS0)_1TX
EBW
2412MHz

14/11/2019


VHT20_Nss1,(MCS0)_1TX
EBW
2437MHz

14/11/2019

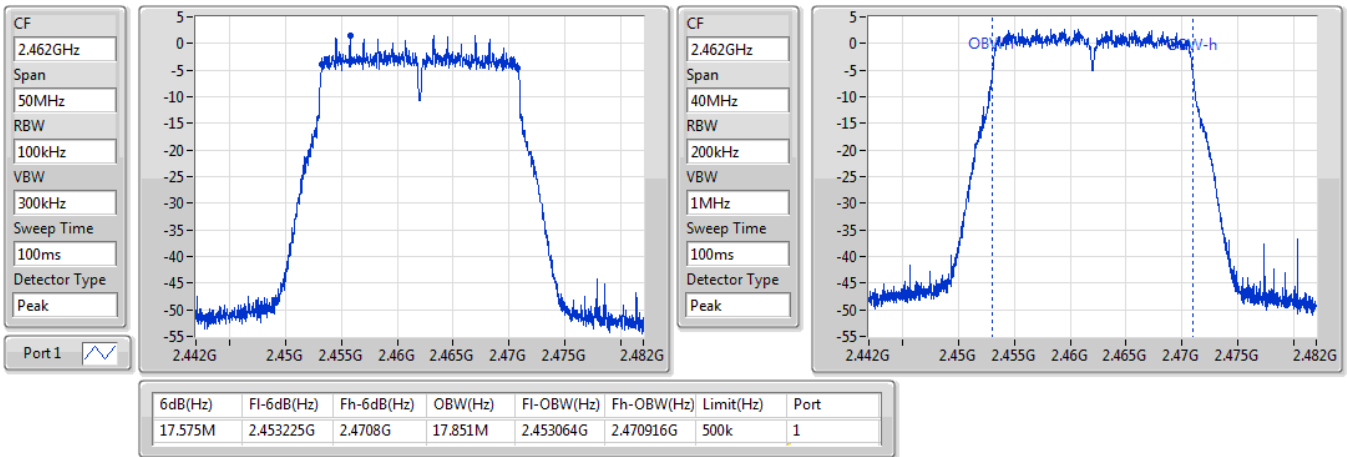


VHT20_Nss1,(MCS0)_1TX

EBW

2462MHz

14/11/2019

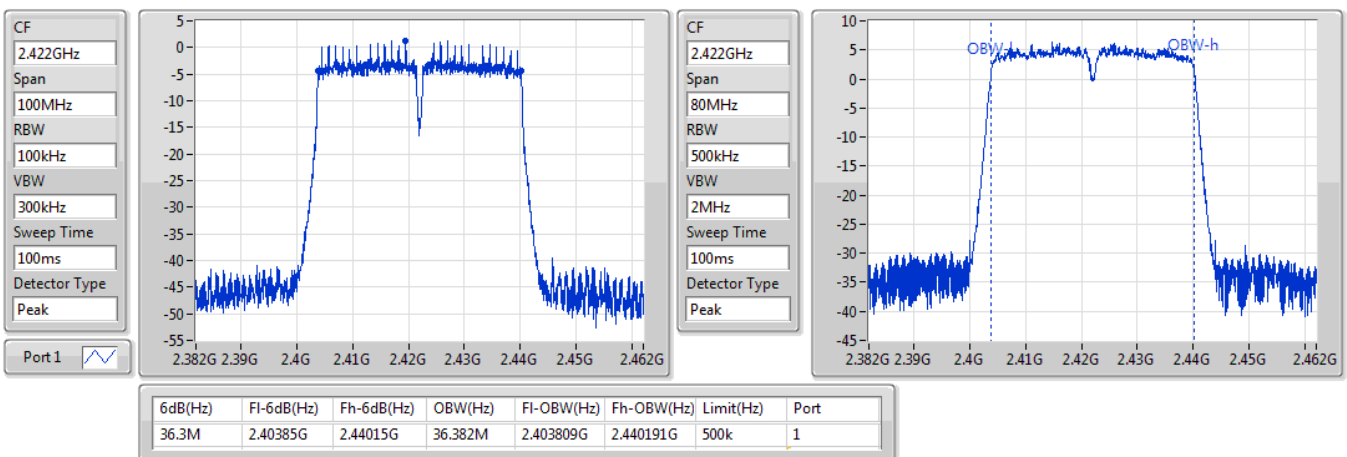


VHT40_Nss1,(MCS0)_1TX

EBW

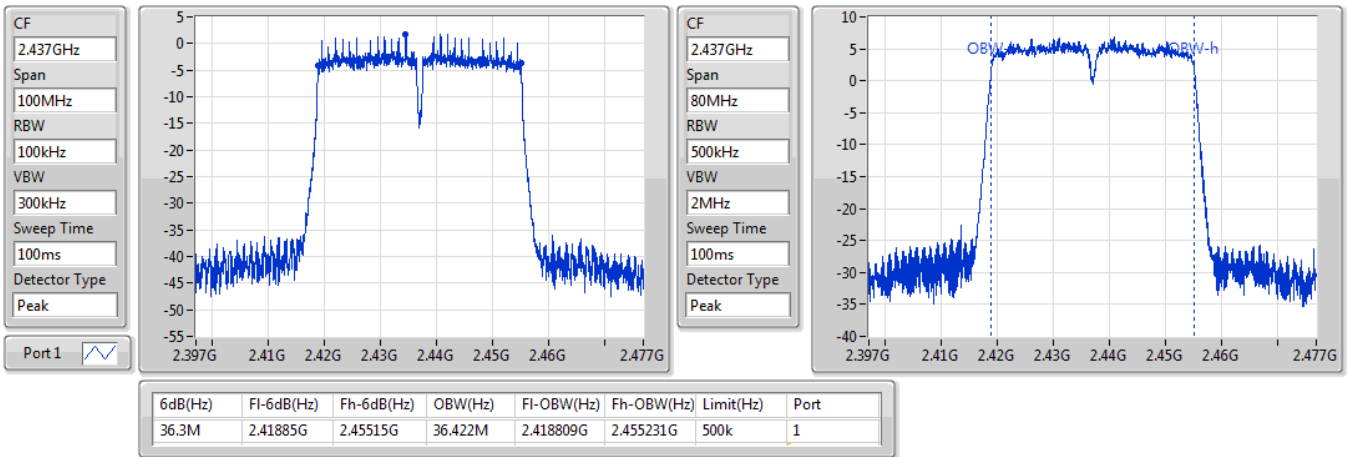
2422MHz

14/11/2019

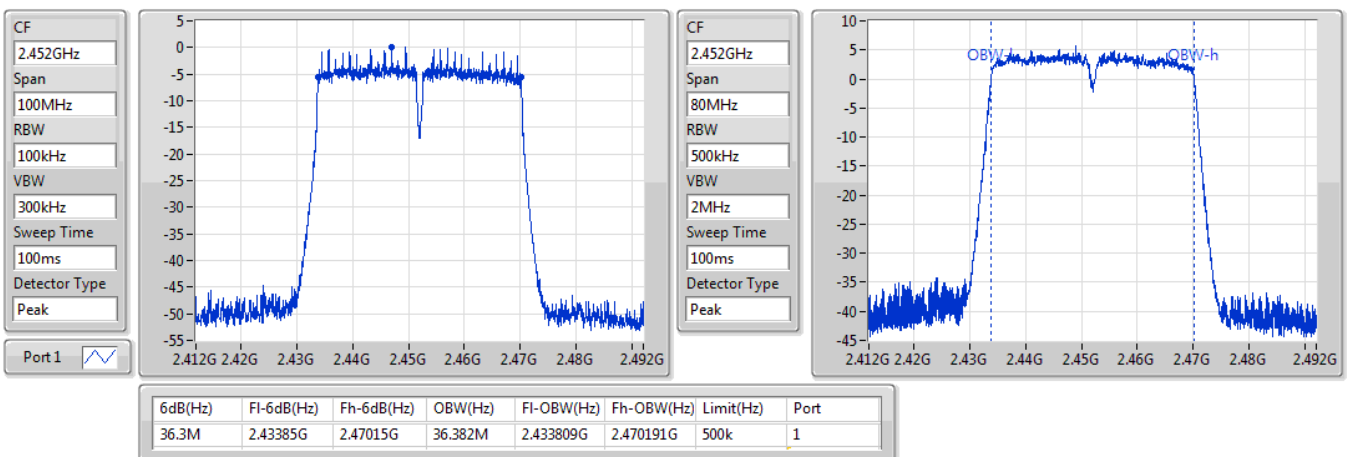


VHT40_Nss1,(MCS0)_1TX
EBW
2437MHz

14/11/2019

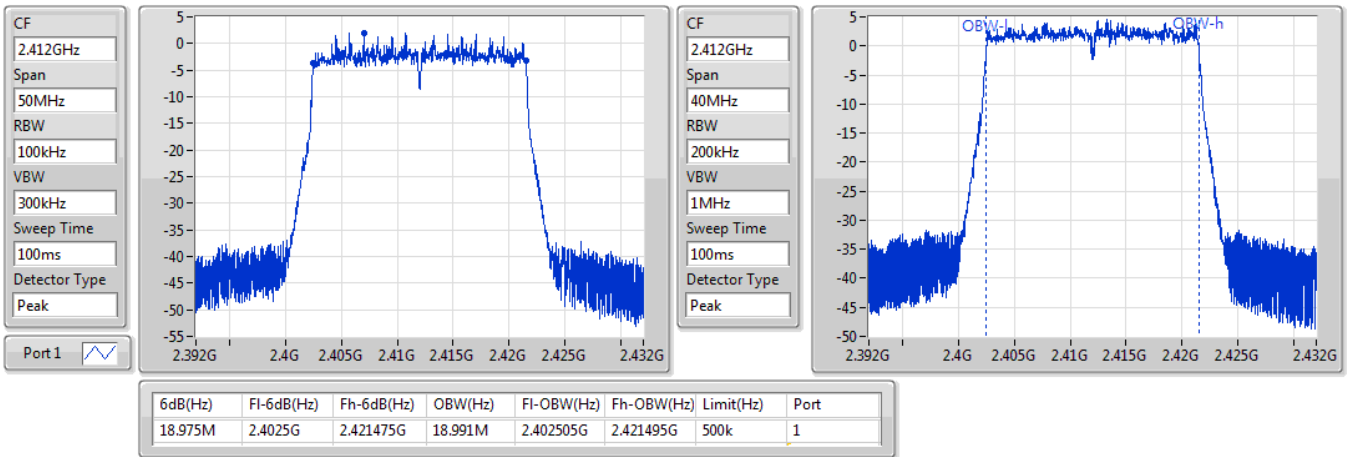

VHT40_Nss1,(MCS0)_1TX
EBW
2452MHz

14/11/2019

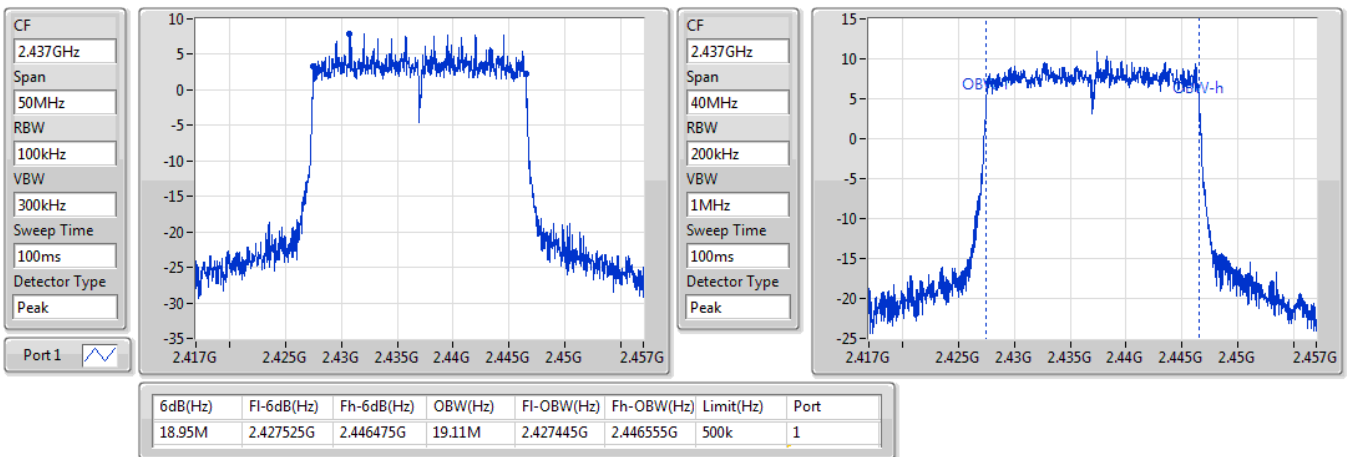


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
2412MHz

14/11/2019


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
2437MHz

14/11/2019

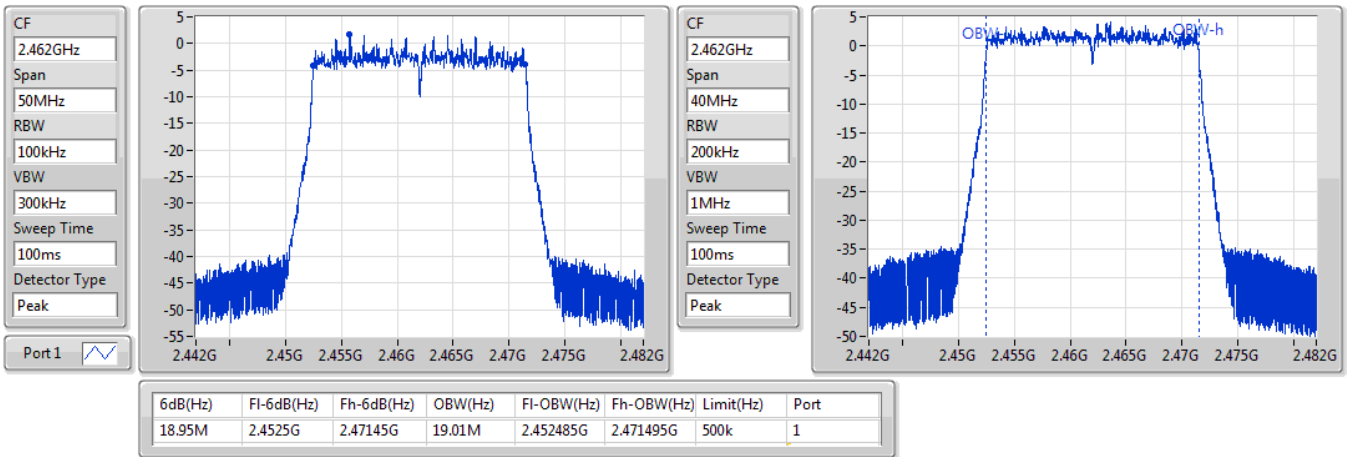


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

2462MHz

14/11/2019

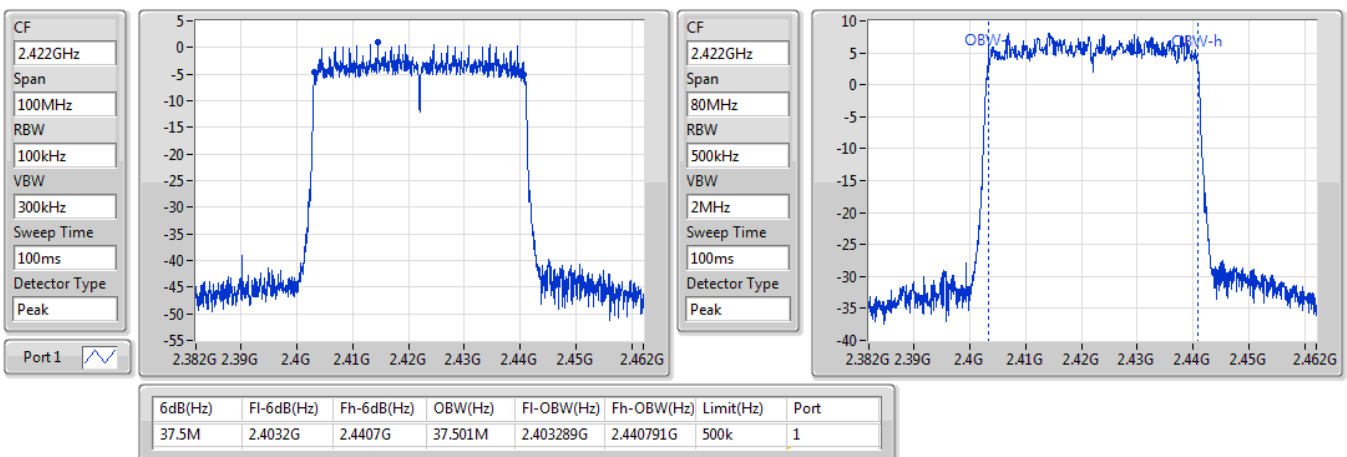


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

2422MHz

14/11/2019

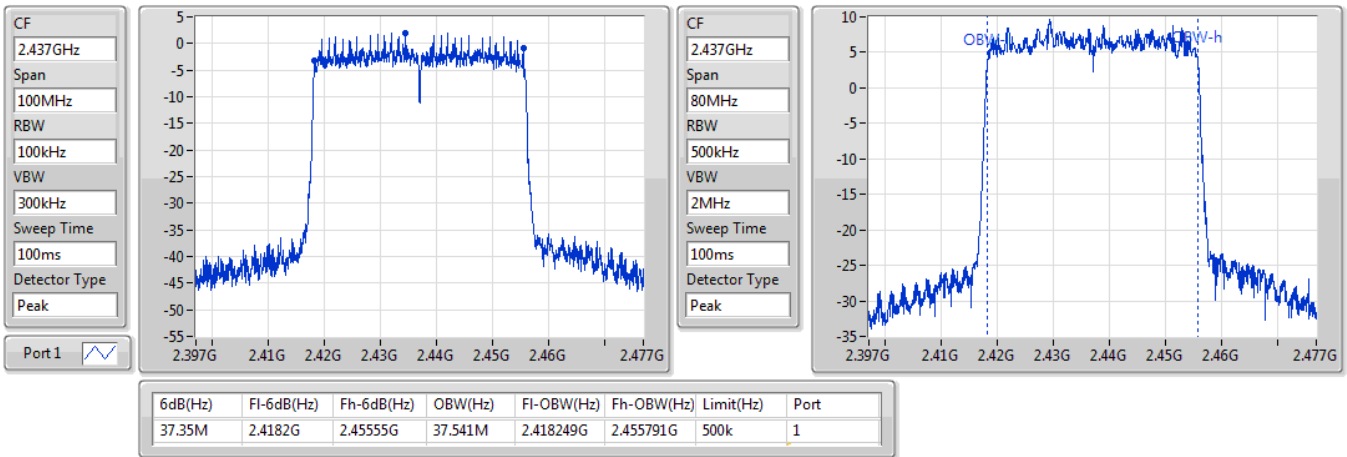


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

2437MHz

14/11/2019

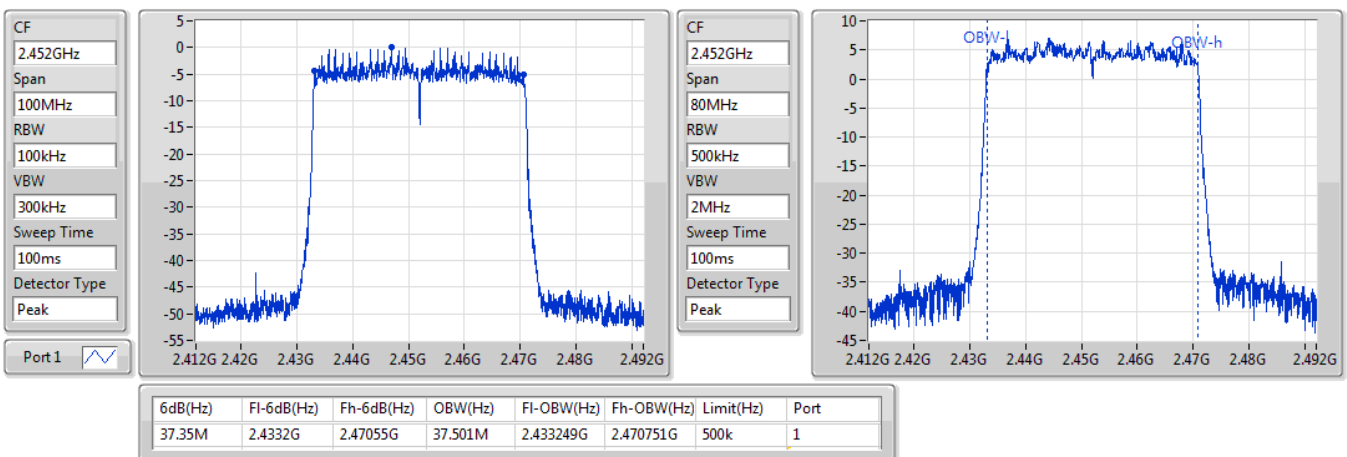


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

2452MHz

14/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.55M	10.495M	10M5G1D	7M	10.215M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.832M	16M8D1D	16.325M	16.652M
VHT20_Nss2,(MCS0)_2TX	17.6M	17.951M	18M0D1D	17.55M	17.771M
VHT40_Nss2,(MCS0)_2TX	36.3M	36.342M	36M3D1D	36.3M	36.302M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.975M	19.09M	19M1D1D	18.875M	19.01M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.6M	37.581M	37M6D1D	37M	37.501M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **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)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	7M	10.235M	7.05M	10.315M
2437MHz_TnomVnom	Pass	500k	7.55M	10.255M	7.075M	10.495M
2462MHz_TnomVnom	Pass	500k	7.05M	10.315M	7.05M	10.215M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.35M	16.752M	16.35M	16.672M
2437MHz_TnomVnom	Pass	500k	16.35M	16.832M	16.35M	16.732M
2462MHz_TnomVnom	Pass	500k	16.325M	16.712M	16.35M	16.652M
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.575M	17.871M	17.575M	17.771M
2437MHz_TnomVnom	Pass	500k	17.55M	17.951M	17.6M	17.851M
2462MHz_TnomVnom	Pass	500k	17.55M	17.871M	17.6M	17.811M
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.3M	36.342M	36.3M	36.302M
2437MHz_TnomVnom	Pass	500k	36.3M	36.342M	36.3M	36.302M
2452MHz_TnomVnom	Pass	500k	36.3M	36.342M	36.3M	36.302M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	18.975M	19.05M	18.925M	19.03M
2437MHz_TnomVnom	Pass	500k	18.95M	19.03M	18.875M	19.09M
2462MHz_TnomVnom	Pass	500k	18.975M	19.05M	18.925M	19.01M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	37.5M	37.581M	37.6M	37.501M
2437MHz_TnomVnom	Pass	500k	37.35M	37.581M	37.55M	37.541M
2452MHz_TnomVnom	Pass	500k	37.3M	37.581M	37M	37.541M

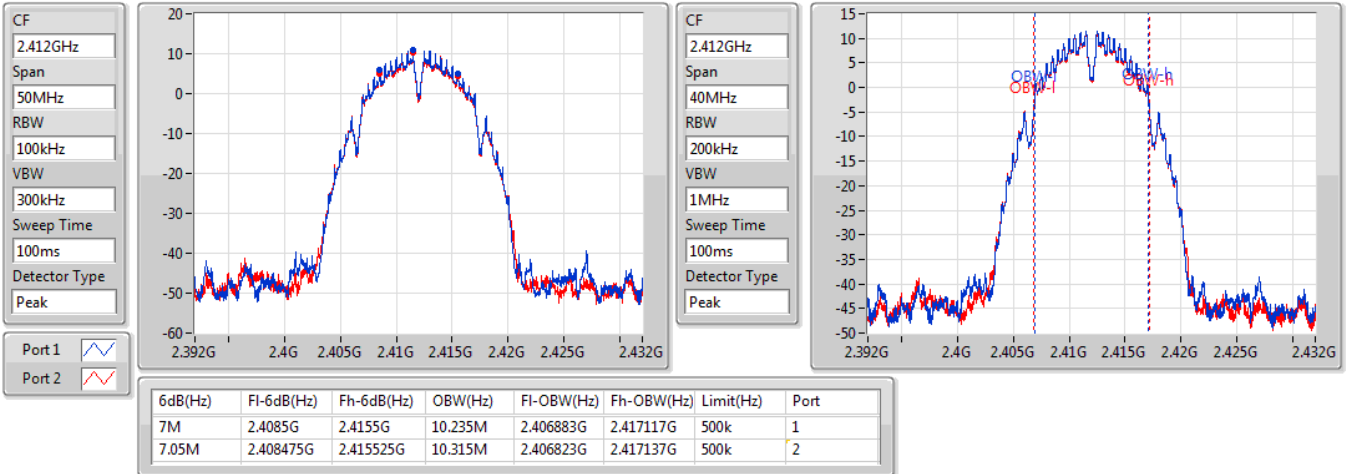
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

14/11/2019

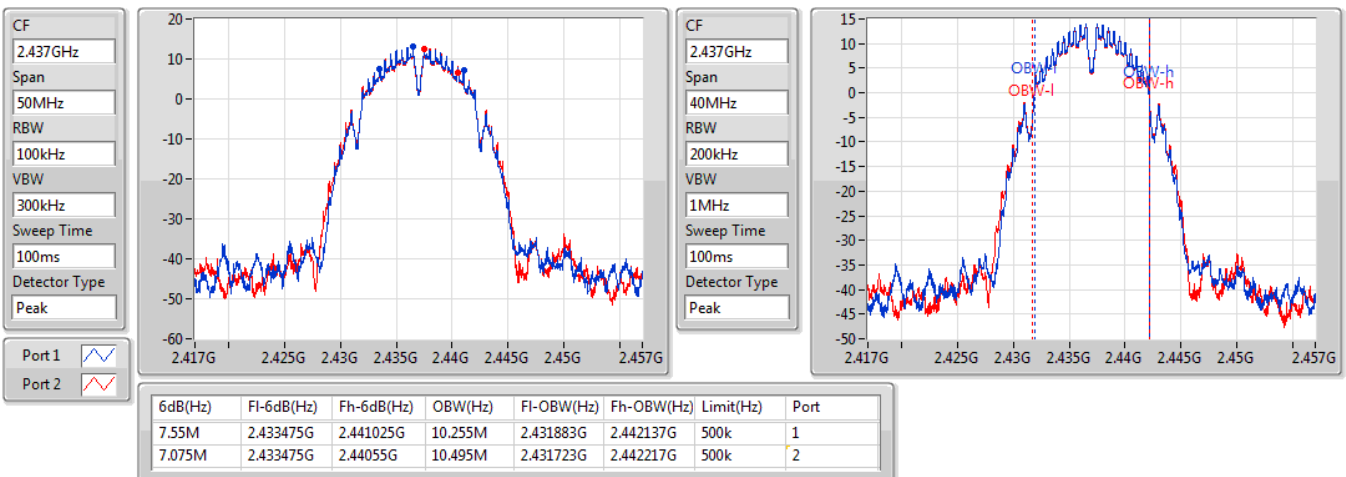


802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

14/11/2019

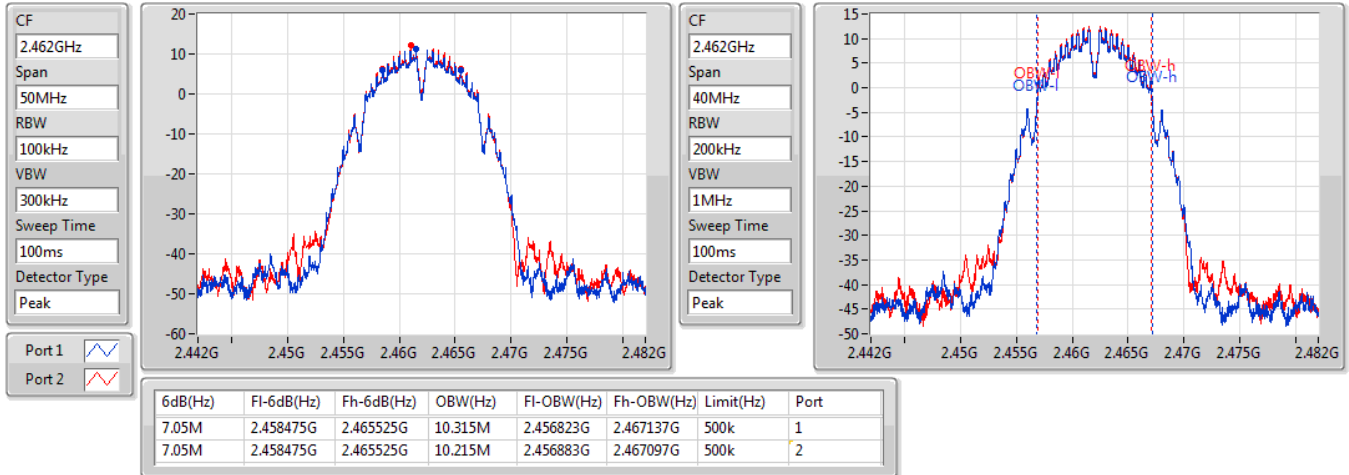


802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

14/11/2019

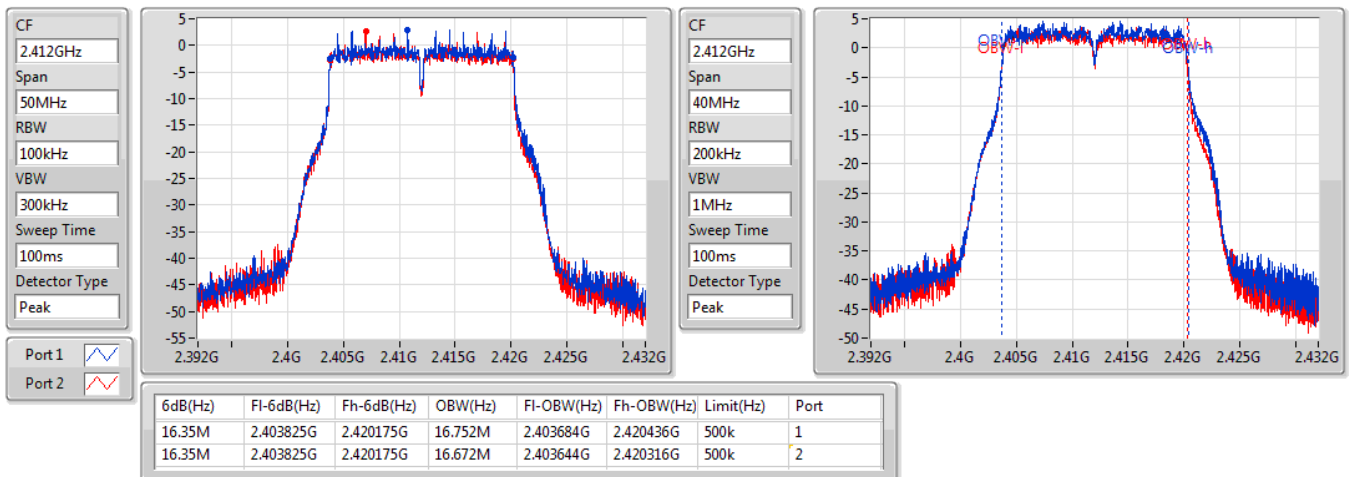


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

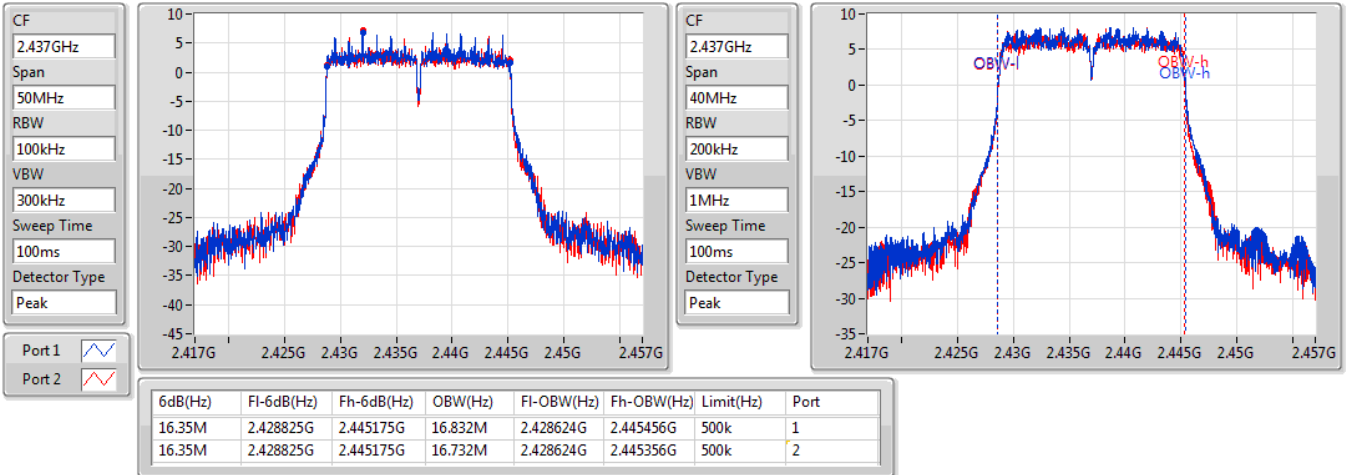
14/11/2019



802.11g_Nss1,(6Mbps)_2TX

2437MHz

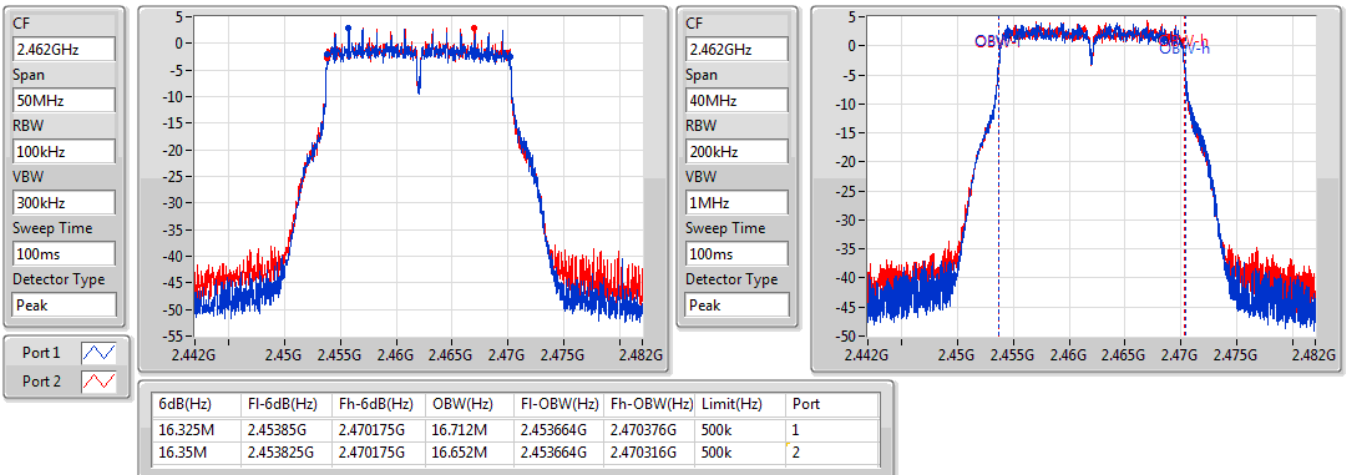
14/11/2019



802.11g_Nss1,(6Mbps)_2TX

2462MHz

14/11/2019

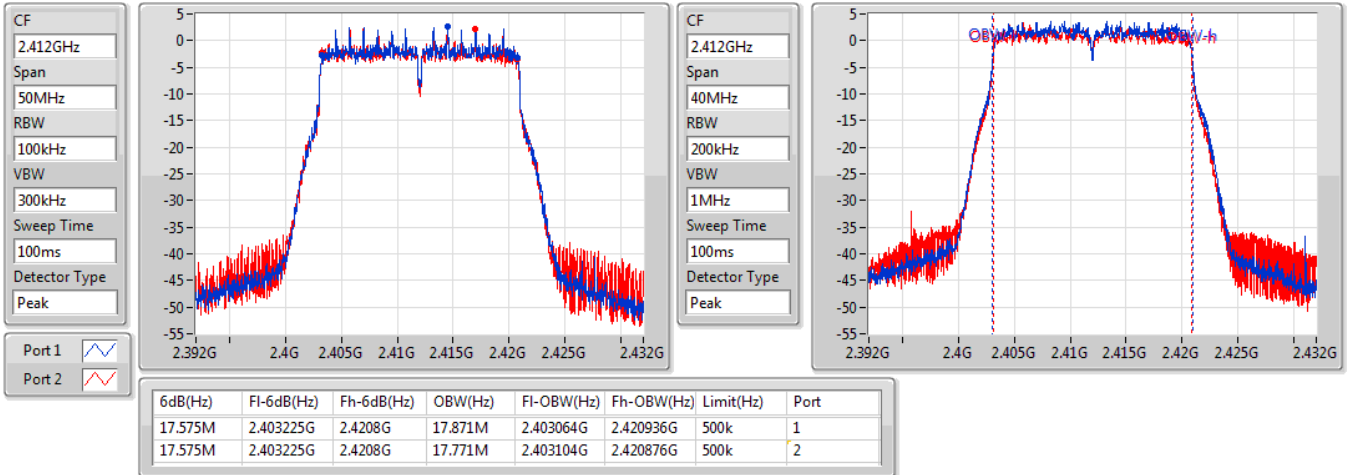


VHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

14/11/2019

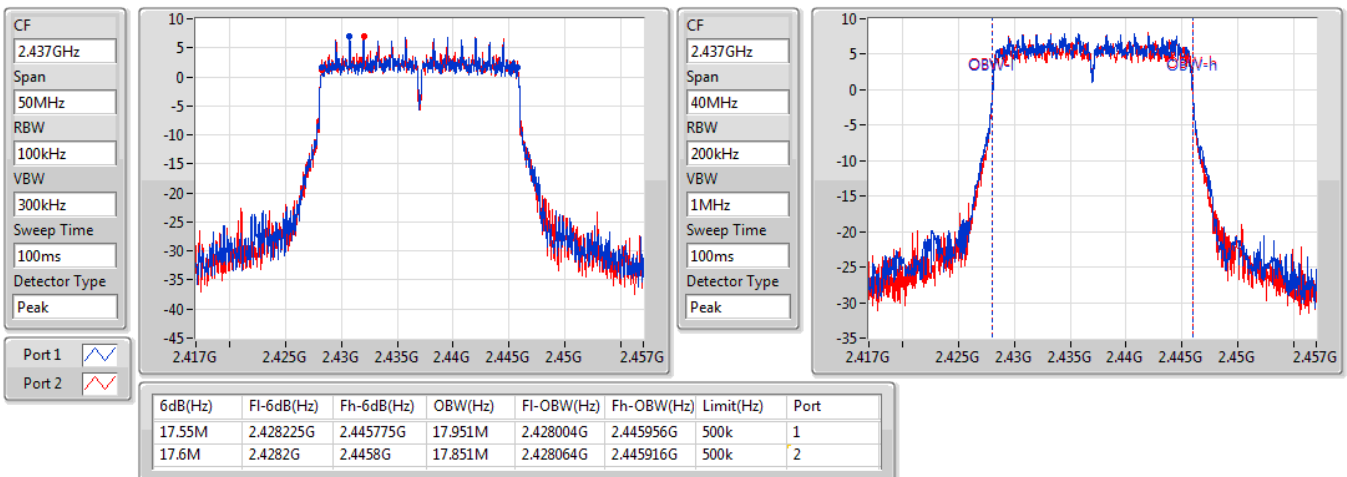


VHT20_Nss2,(MCS0)_2TX

EBW

2437MHz

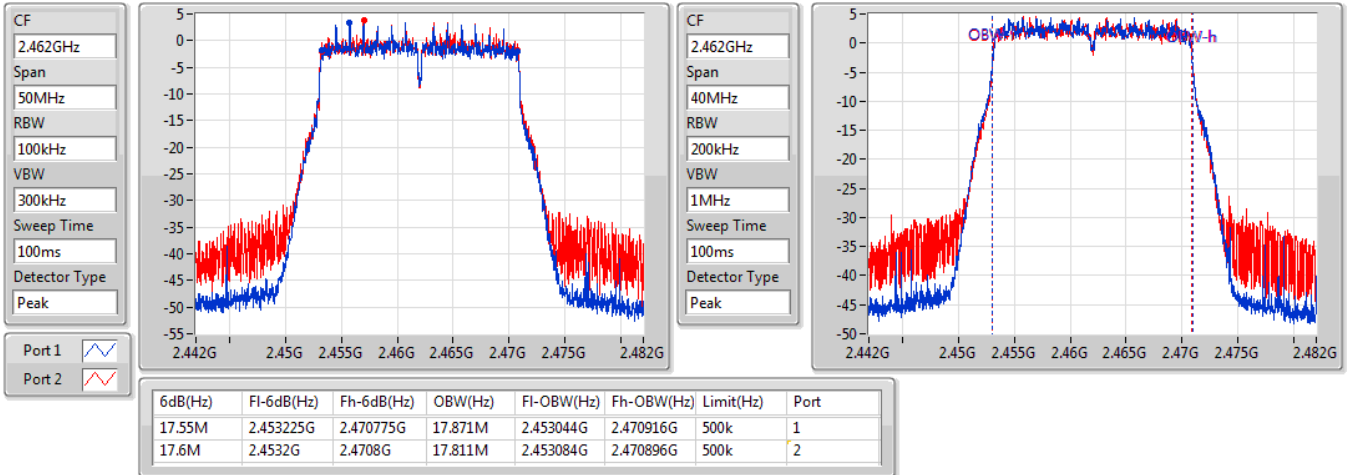
14/11/2019



VHT20_Nss2,(MCS0)_2TX

2462MHz

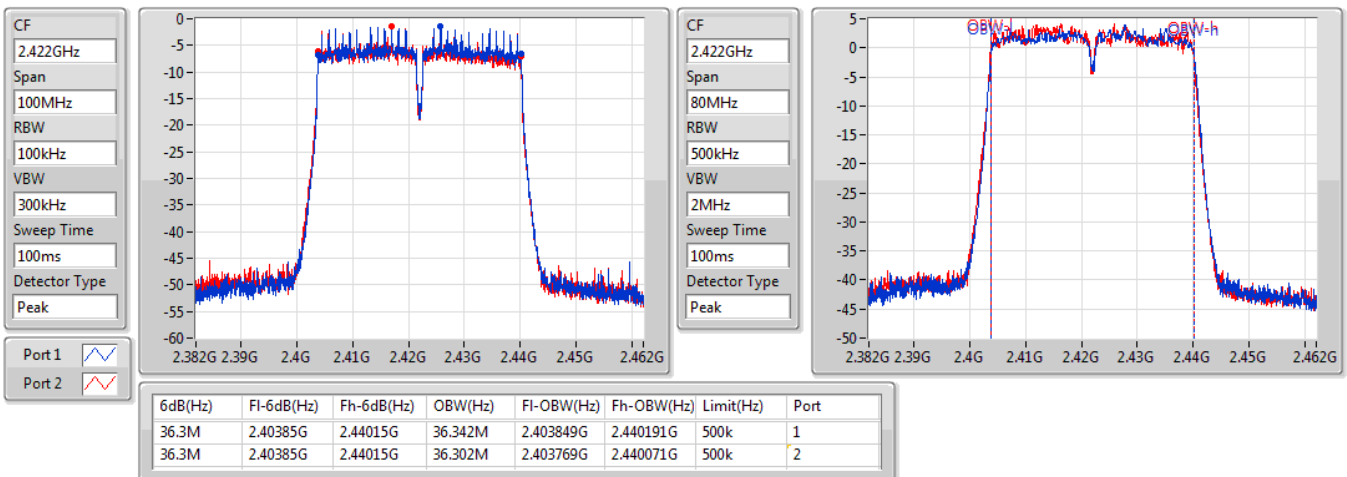
14/11/2019



VHT40_Nss2,(MCS0)_2TX

2422MHz

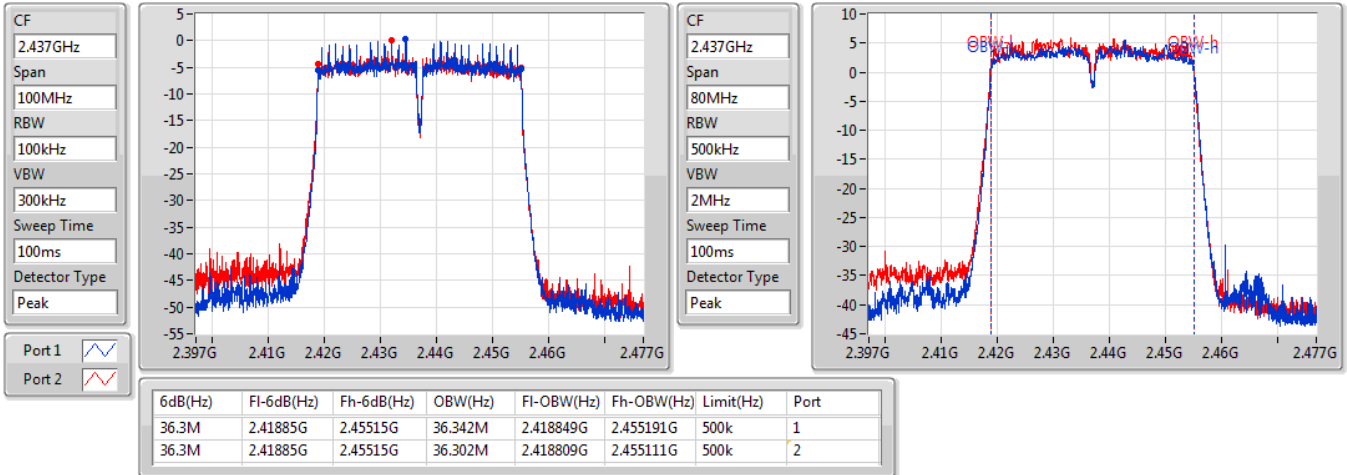
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VHT40_Nss2,(MCS0)_2TX

2437MHz

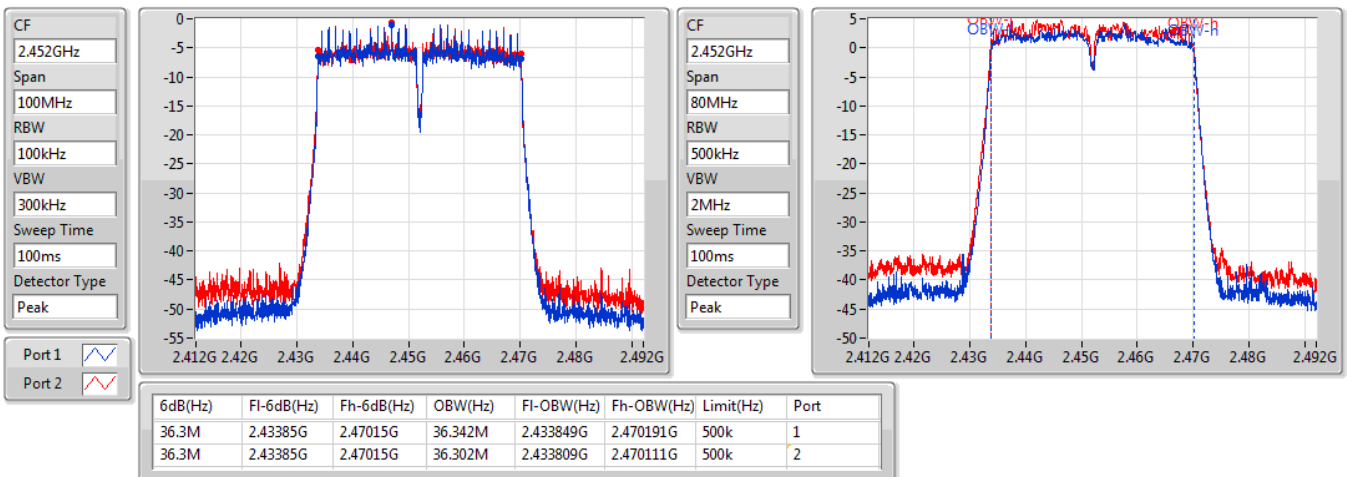
14/11/2019



VHT40_Nss2,(MCS0)_2TX

2452MHz

14/11/2019

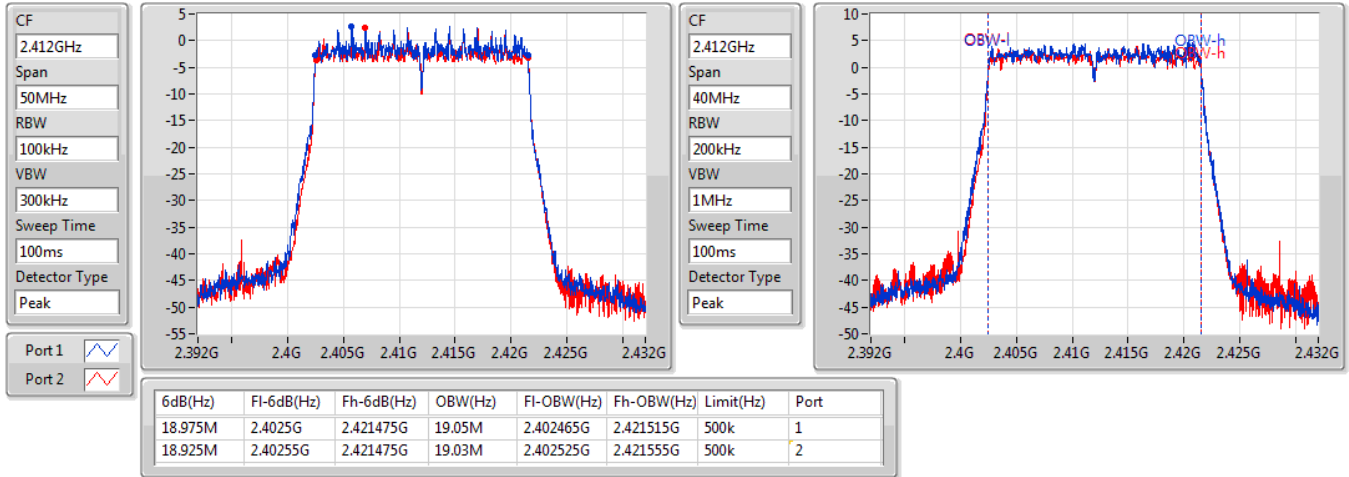


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

2412MHz

14/11/2019

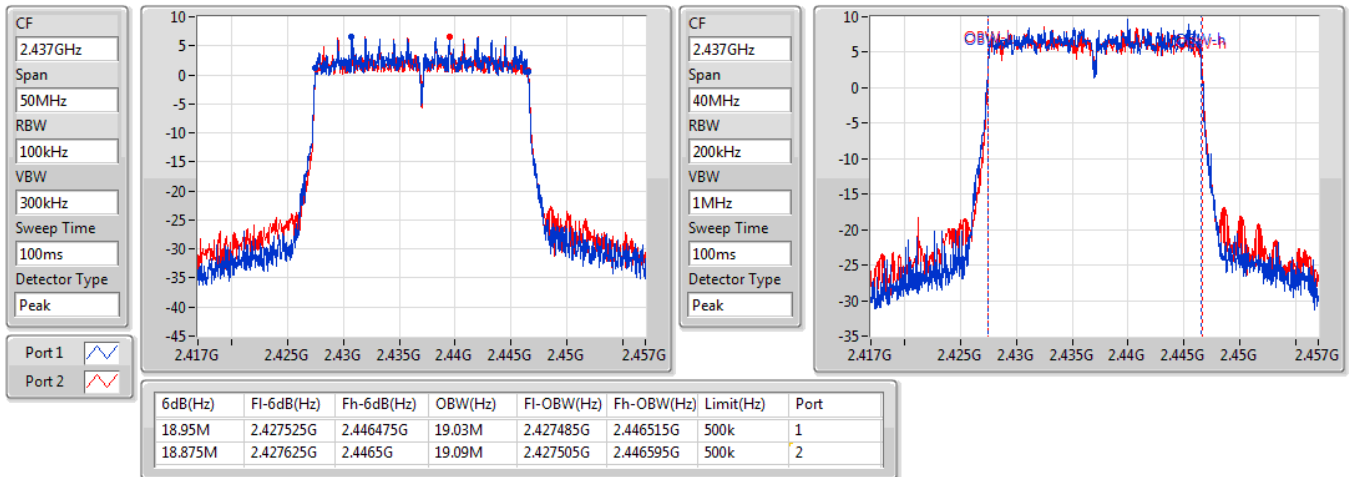


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

2437MHz

14/11/2019

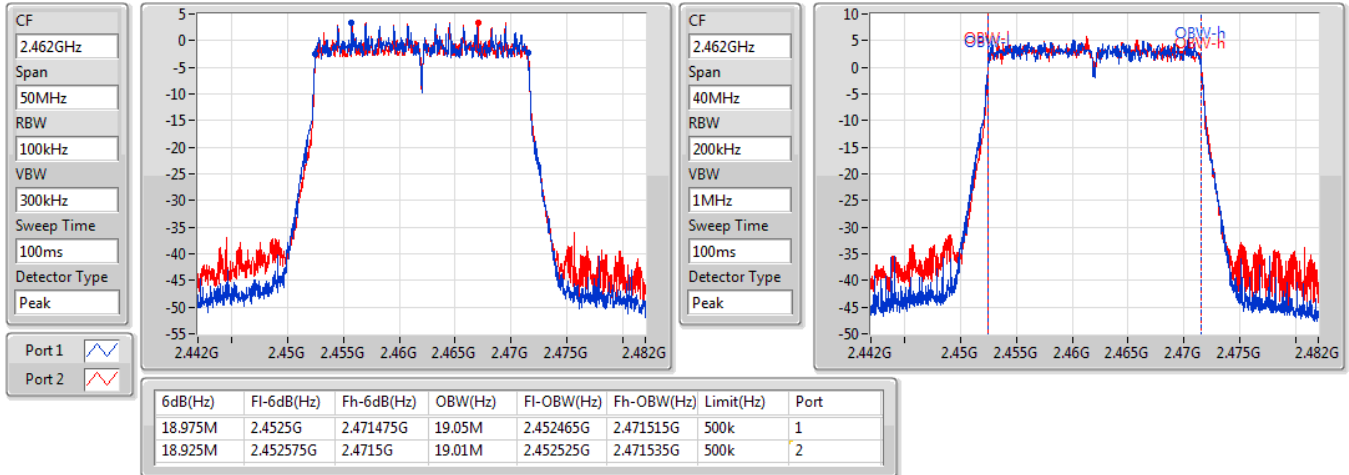


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

2462MHz

14/11/2019

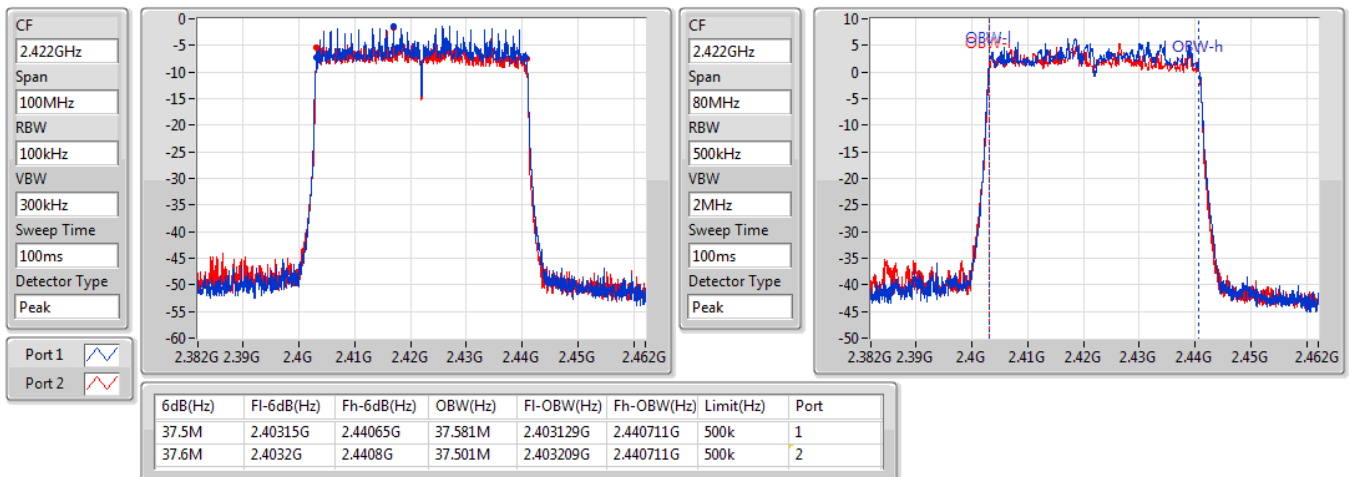


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

2422MHz

14/11/2019

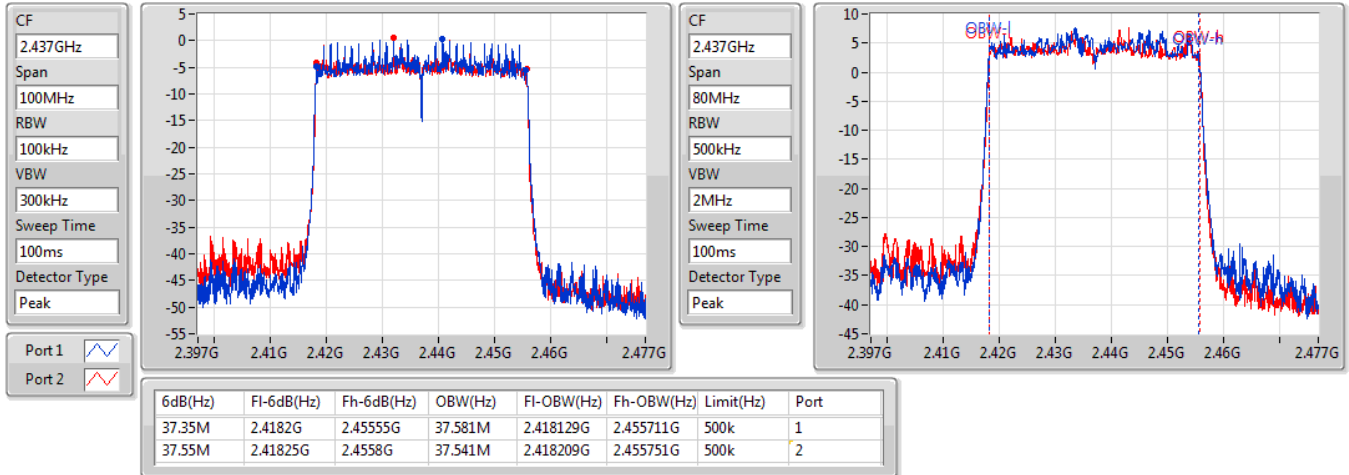


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

2437MHz

14/11/2019

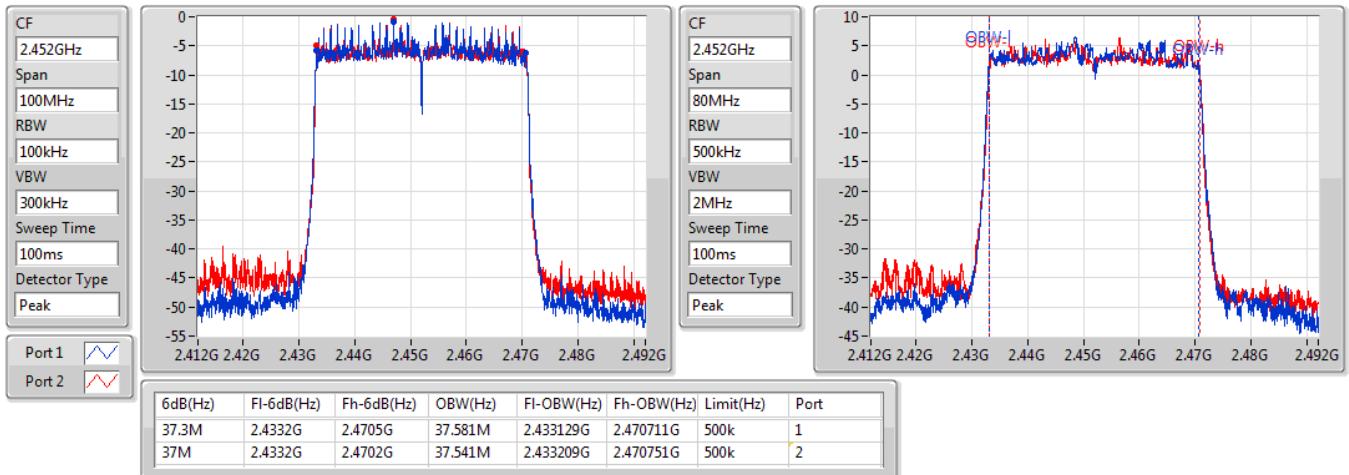


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

2452MHz

14/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	15.1M	18.091M	18M1D1D	14.975M	17.731M
VHT40-BF_Nss1,(MCS0)_2TX	33.8M	36.502M	36M5D1D	29.95M	36.342M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.1M	19.29M	19M3D1D	18.825M	19.05M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.7M	37.581M	37M6D1D	35.7M	37.541M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **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)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	17.771M	15.075M	17.831M
2437MHz	Pass	500k	15.1M	18.031M	15.075M	18.091M
2462MHz	Pass	500k	15.05M	17.731M	14.975M	17.831M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.8M	36.462M	33.8M	36.342M
2437MHz	Pass	500k	32.55M	36.502M	32.55M	36.502M
2452MHz	Pass	500k	32.5M	36.422M	29.95M	36.462M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.07M	19.025M	19.05M
2437MHz	Pass	500k	18.825M	19.27M	18.875M	19.29M
2462MHz	Pass	500k	19M	19.05M	19.025M	19.05M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.7M	37.541M	35.7M	37.541M
2437MHz	Pass	500k	36.95M	37.581M	37.1M	37.541M
2452MHz	Pass	500k	37.3M	37.541M	37.6M	37.541M

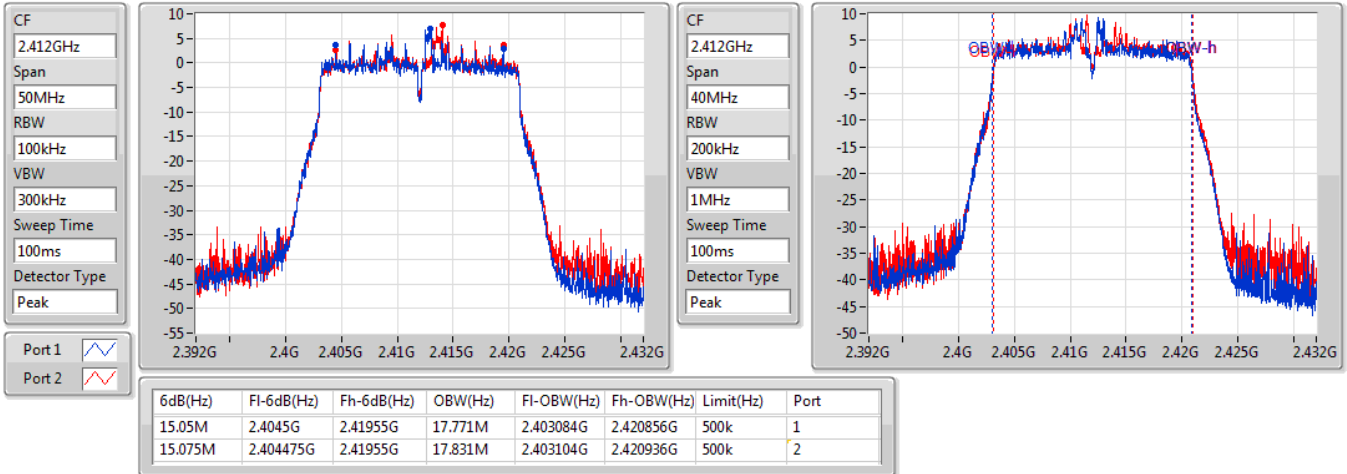
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

25/11/2019

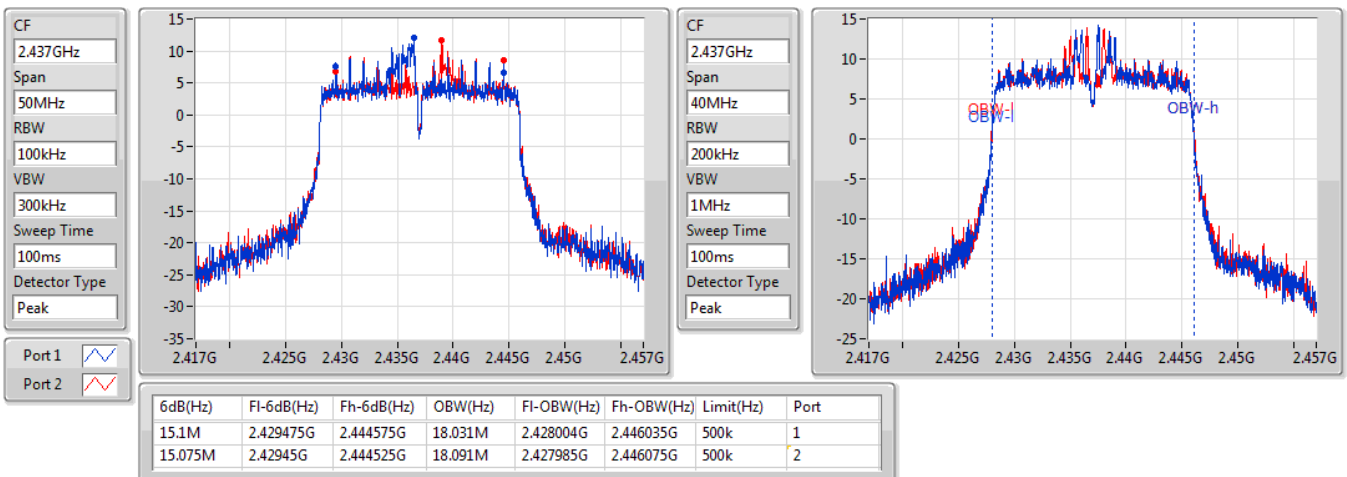


VHT20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

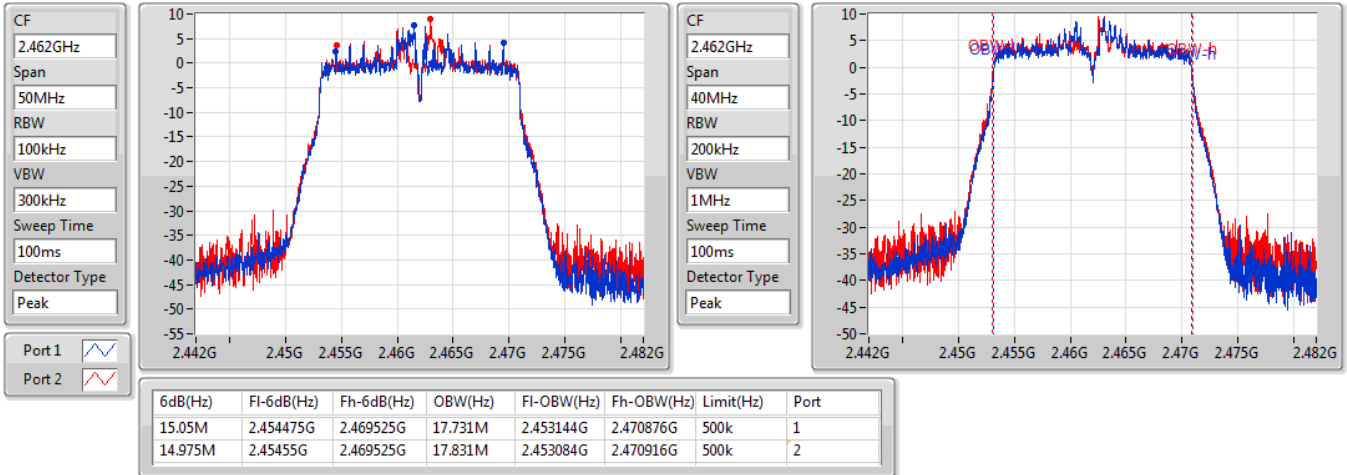
25/11/2019



VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

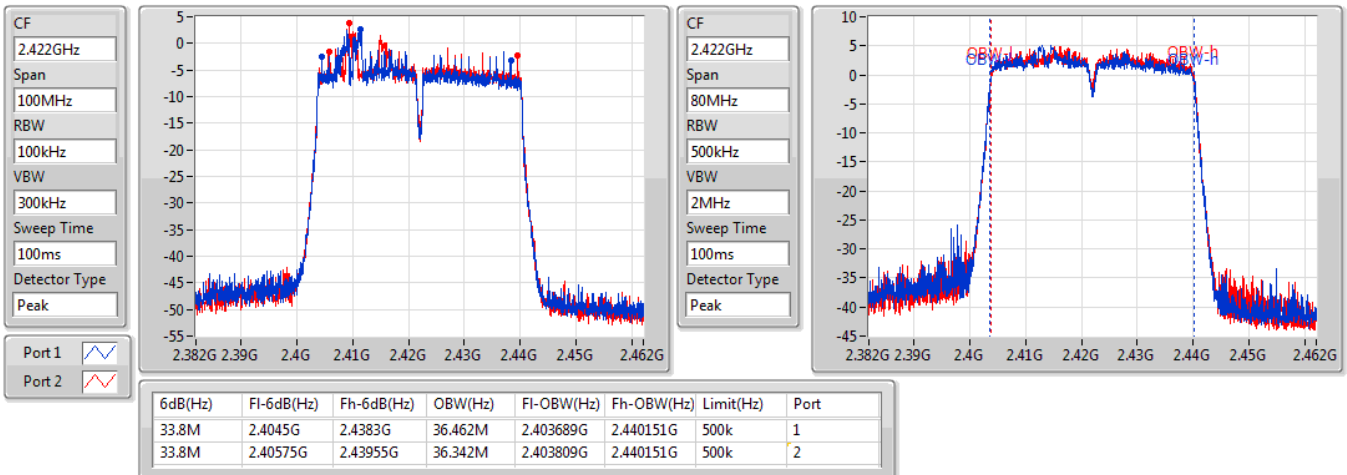
25/11/2019



VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

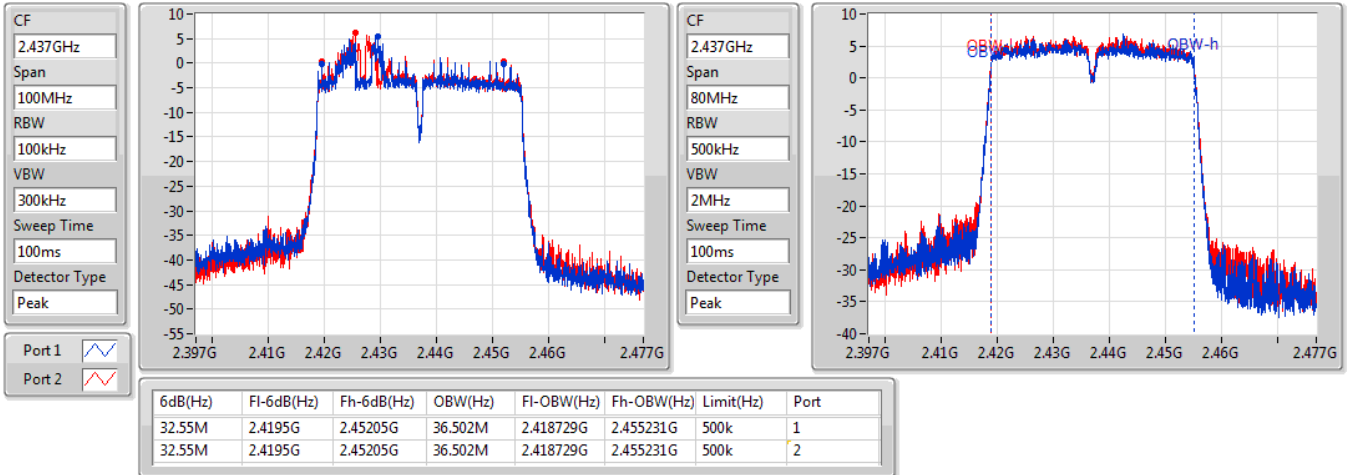
25/11/2019



VHT40-BF_Nss1,(MCS0)_2TX

2437MHz

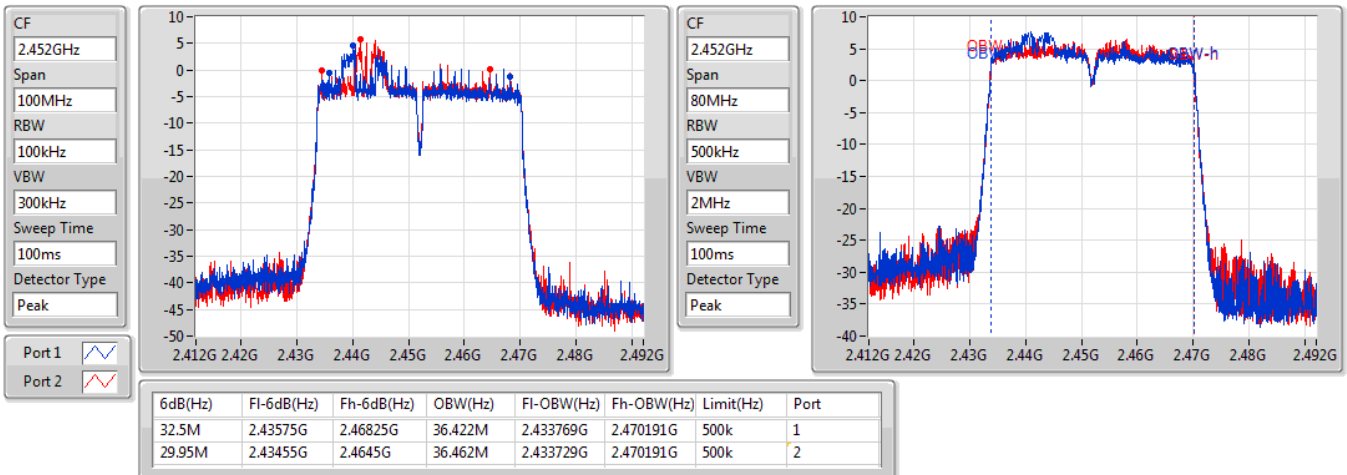
25/11/2019



VHT40-BF_Nss1,(MCS0)_2TX

2452MHz

25/11/2019

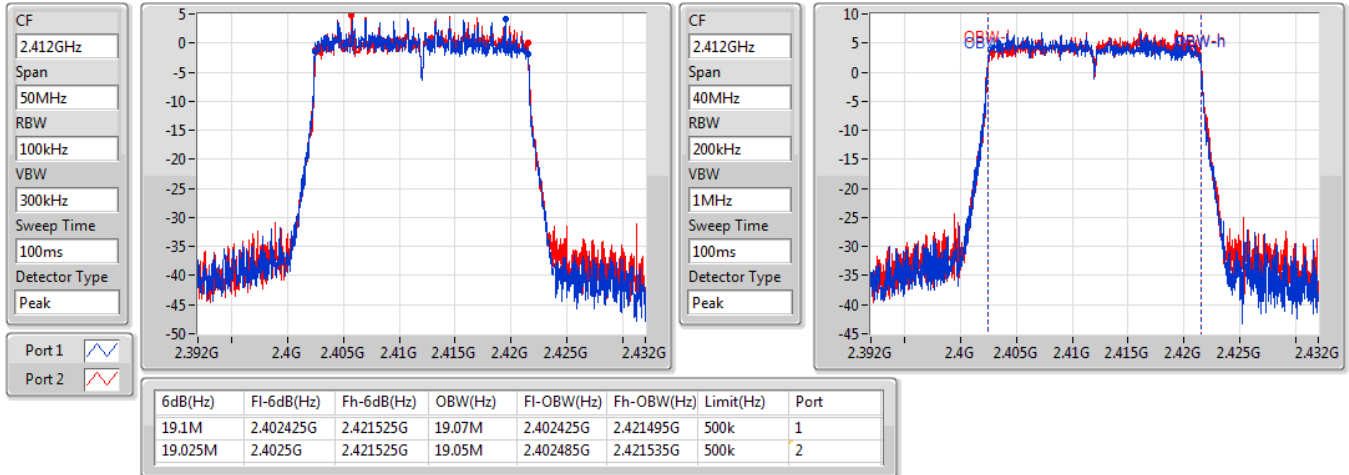


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

25/11/2019

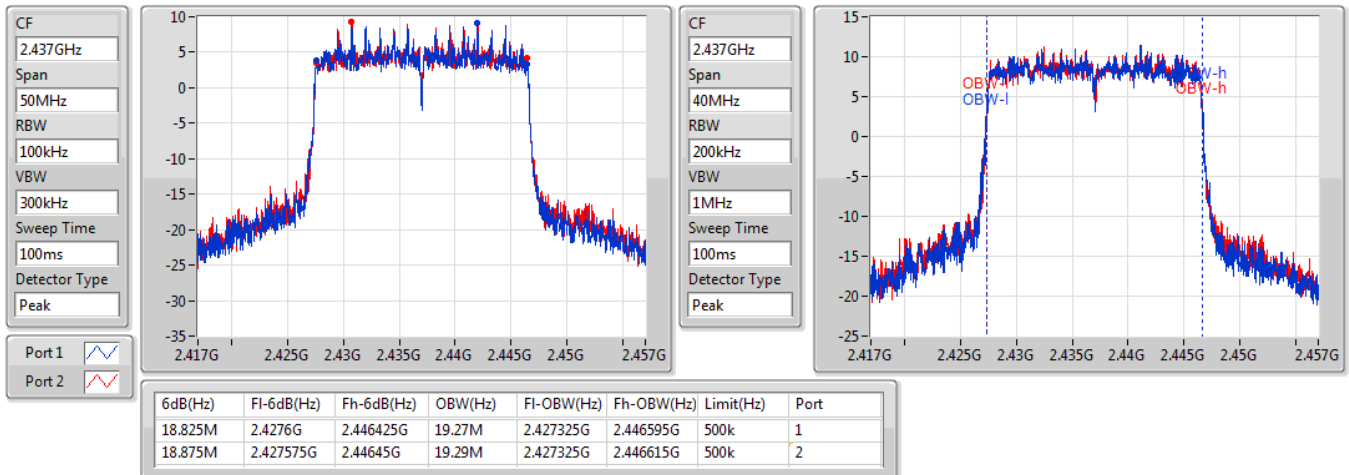


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

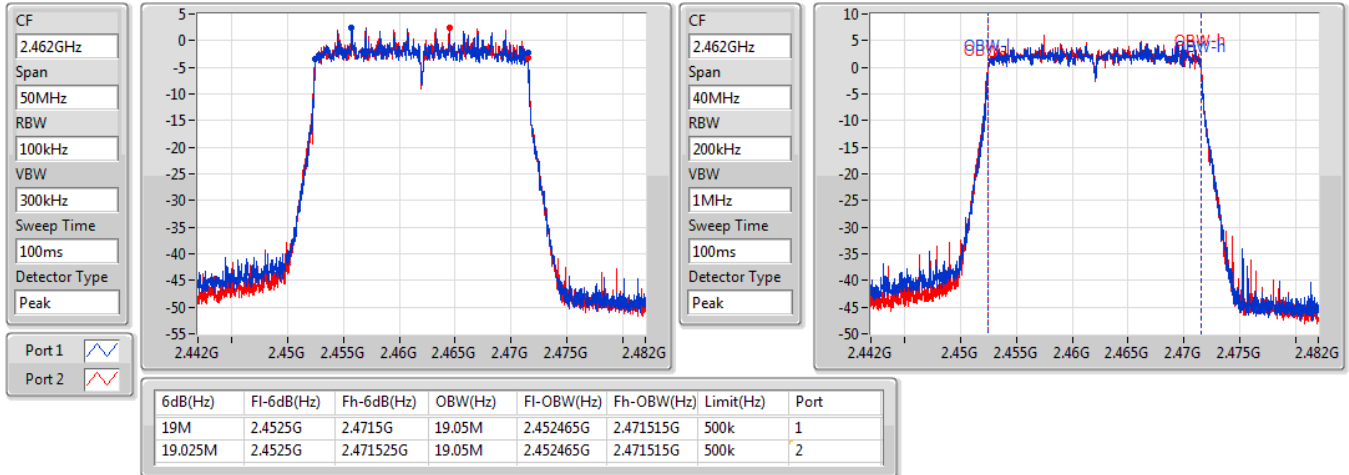


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

25/11/2019

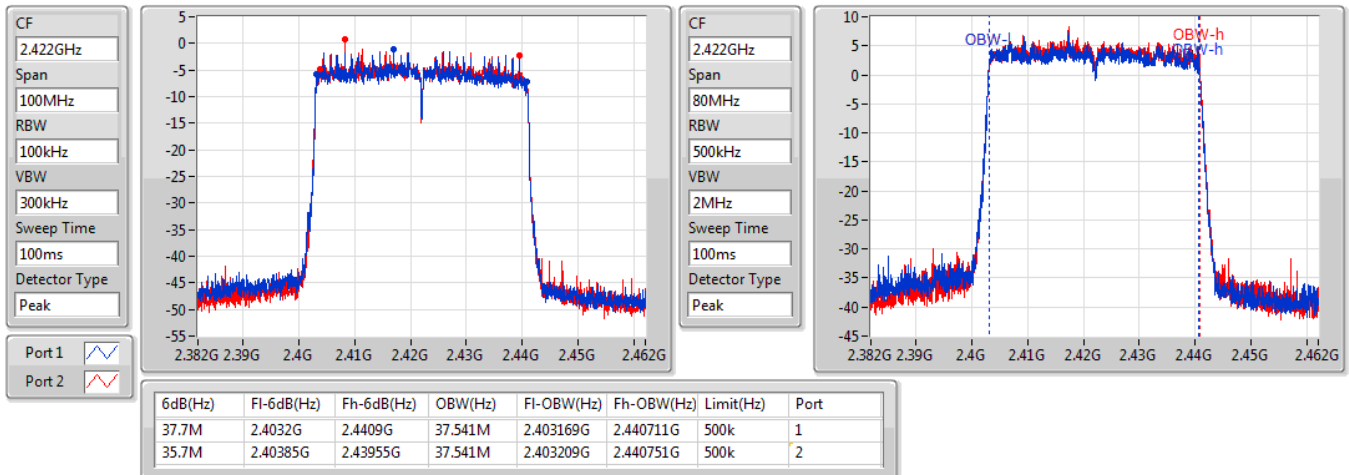


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

25/11/2019

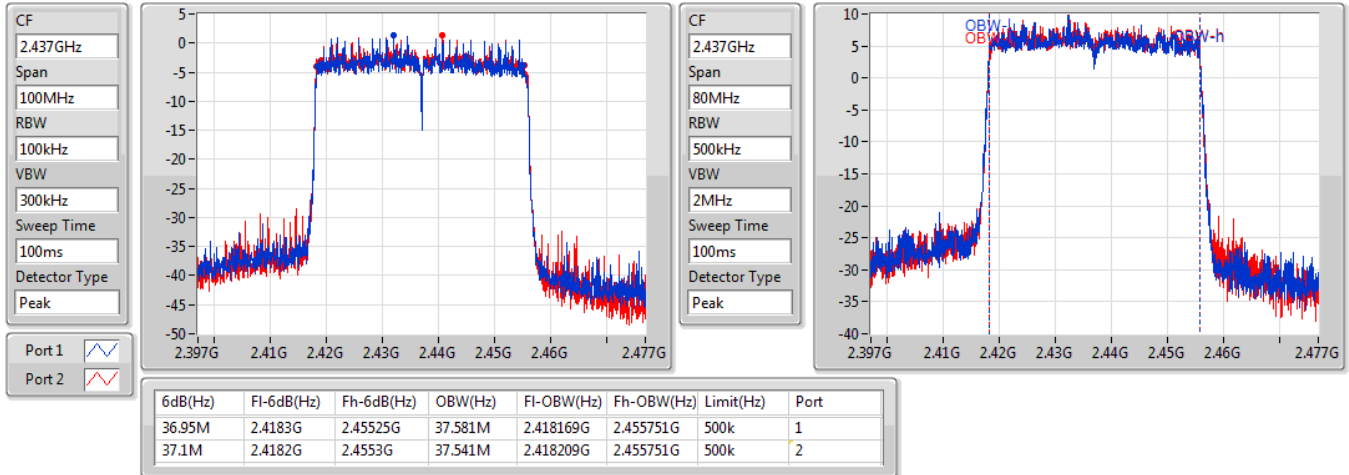


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

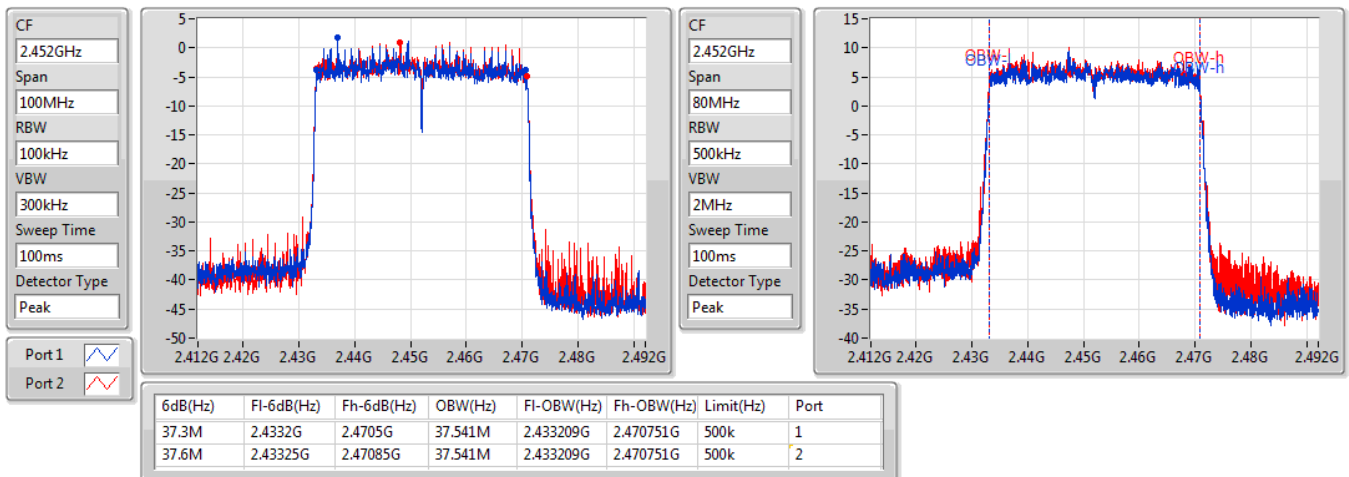


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	15.1M	17.991M	18M0D1D	14.975M	17.751M
VHT40-BF_Nss1,(MCS0)_2TX	35.1M	36.462M	36M5D1D	18.75M	36.262M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.19M	19M2D1D	18.925M	19.01M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.75M	37.581M	37M6D1D	37.2M	37.461M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **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)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	17.991M	15.075M	17.871M
2437MHz	Pass	500k	15.1M	17.951M	15.075M	17.851M
2462MHz	Pass	500k	14.975M	17.811M	15.05M	17.751M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	18.75M	36.382M	30M	36.382M
2437MHz	Pass	500k	30M	36.462M	35.1M	36.262M
2452MHz	Pass	500k	35M	36.382M	35.05M	36.382M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	19.01M	18.975M	19.05M
2437MHz	Pass	500k	18.975M	19.19M	18.925M	19.11M
2462MHz	Pass	500k	19M	19.05M	18.95M	19.03M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.501M	37.75M	37.581M
2437MHz	Pass	500k	37.5M	37.541M	37.4M	37.461M
2452MHz	Pass	500k	37.7M	37.541M	37.2M	37.581M

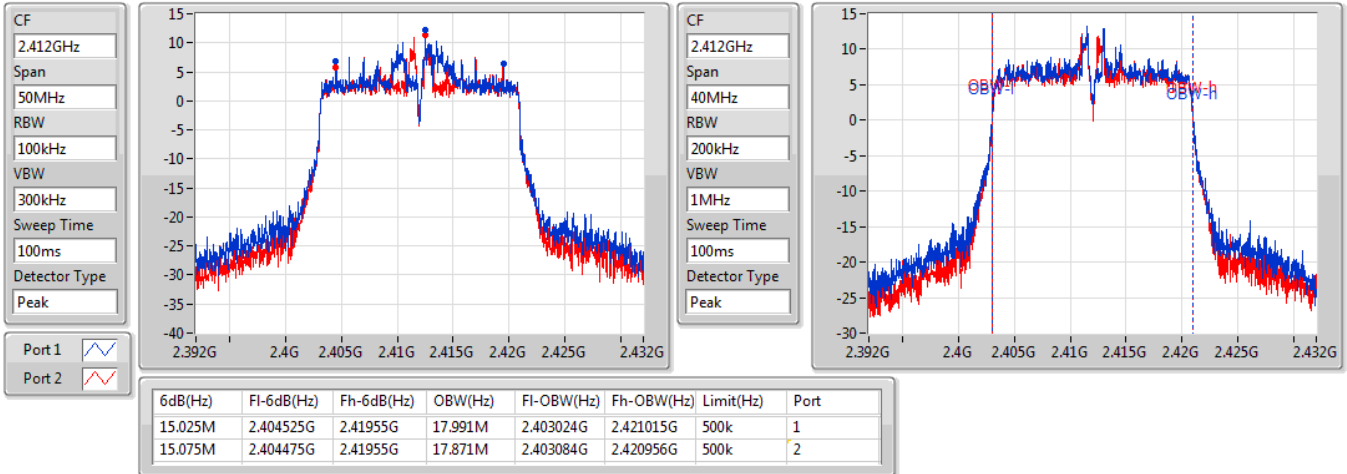
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

25/11/2019

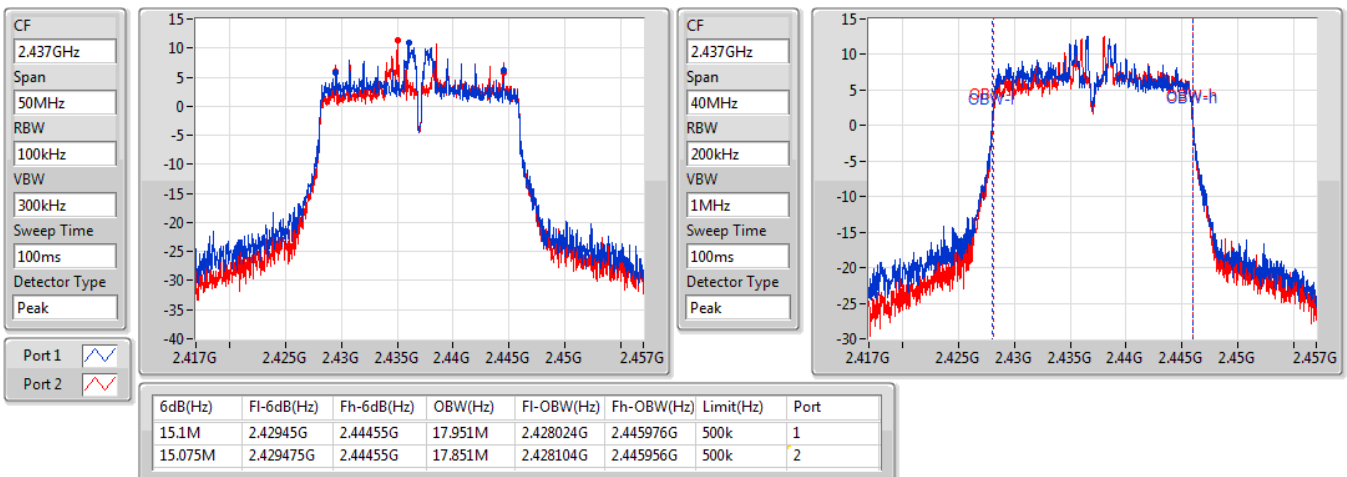


VHT20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

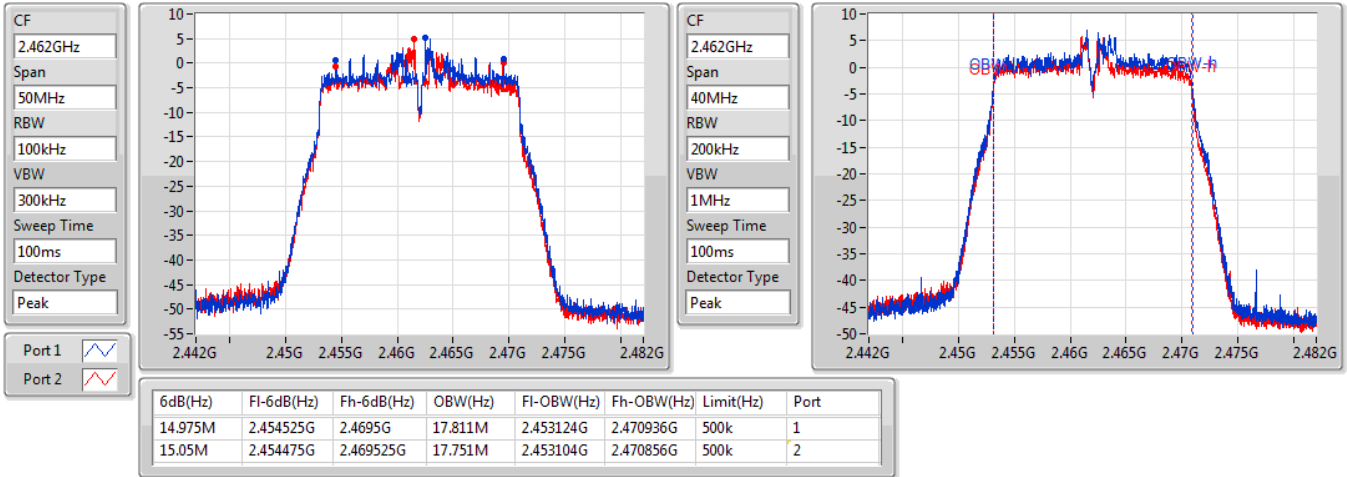
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VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

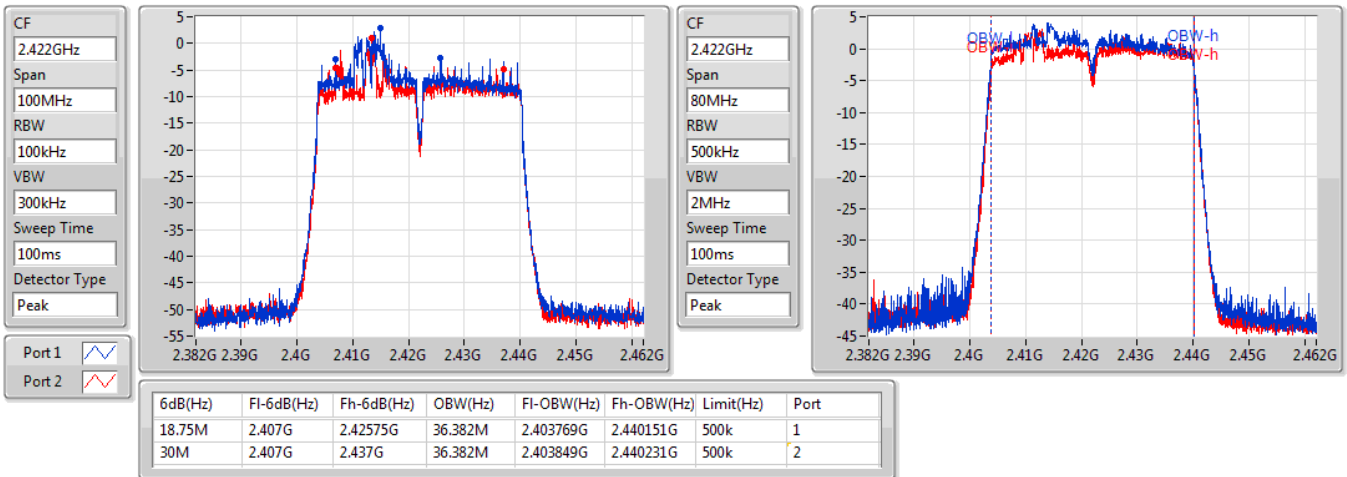
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VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

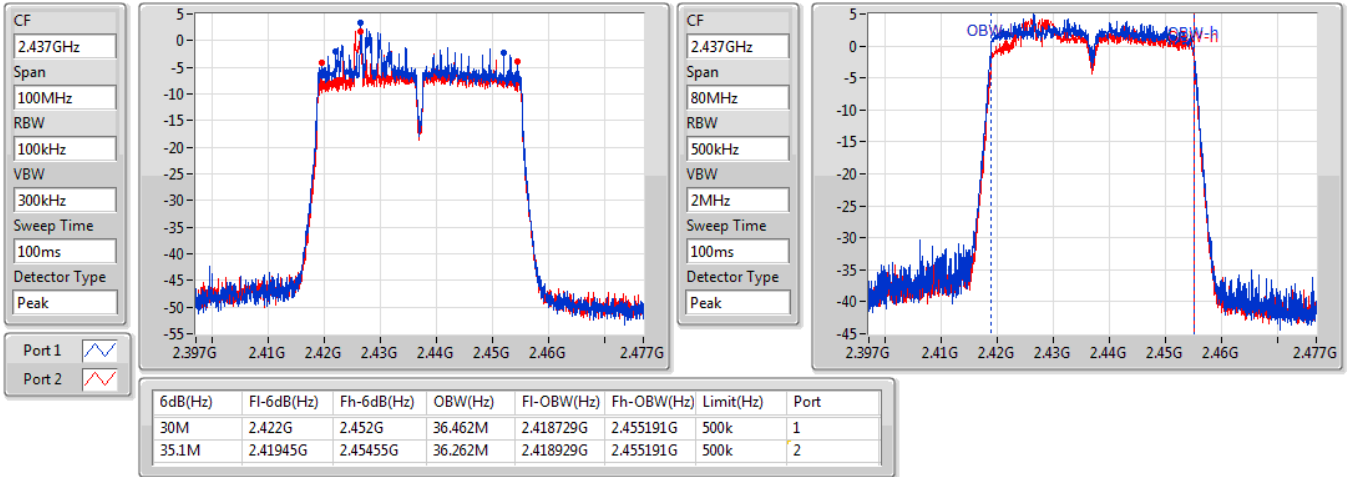
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VHT40-BF_Nss1,(MCS0)_2TX

2437MHz

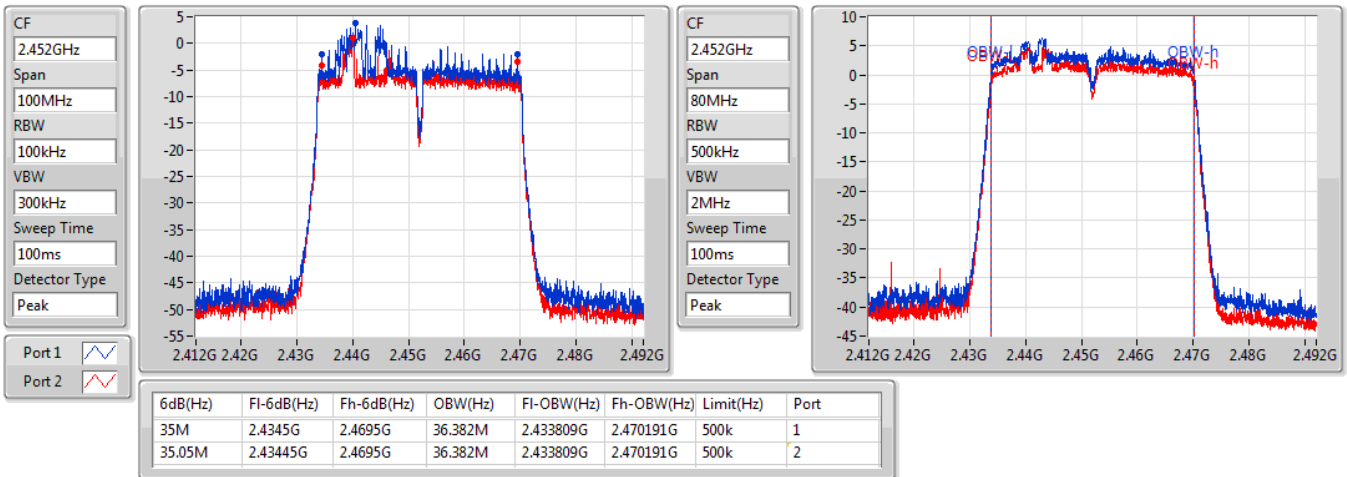
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VHT40-BF_Nss1,(MCS0)_2TX

2452MHz

04/12/2019

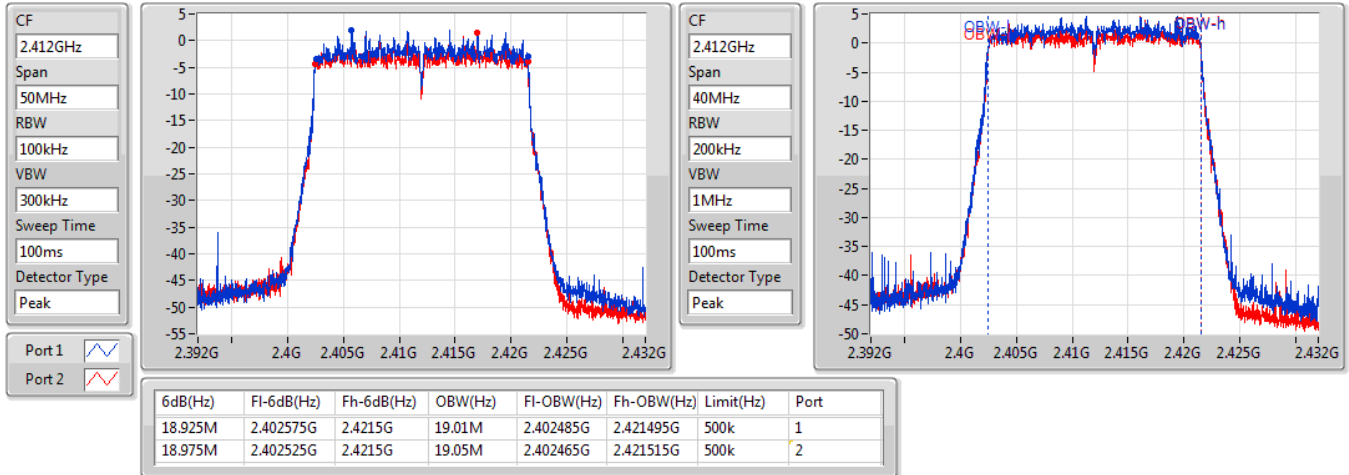


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

25/11/2019

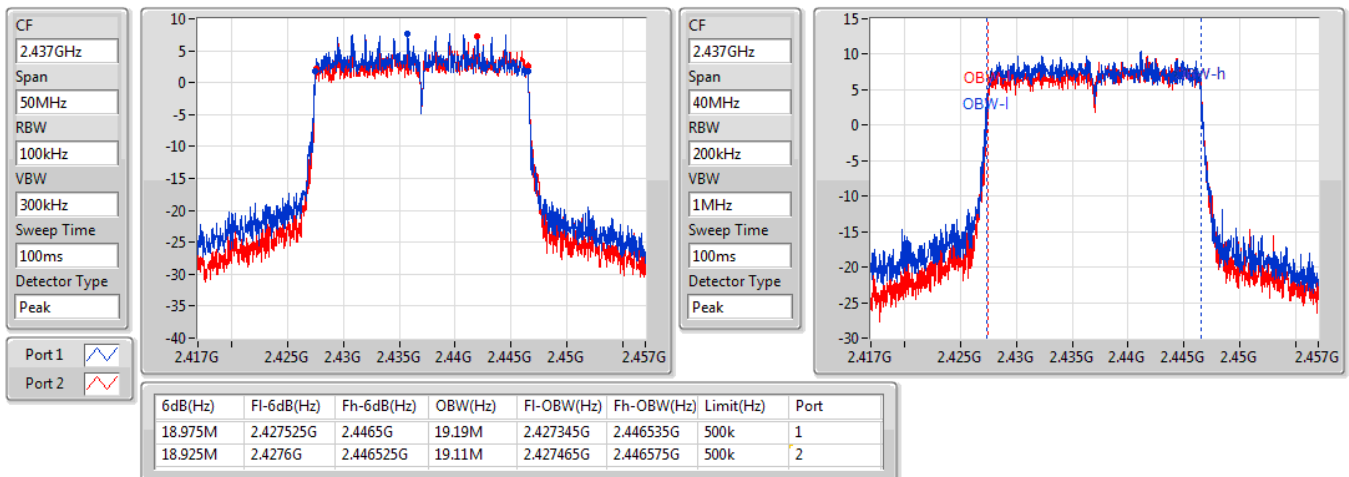


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

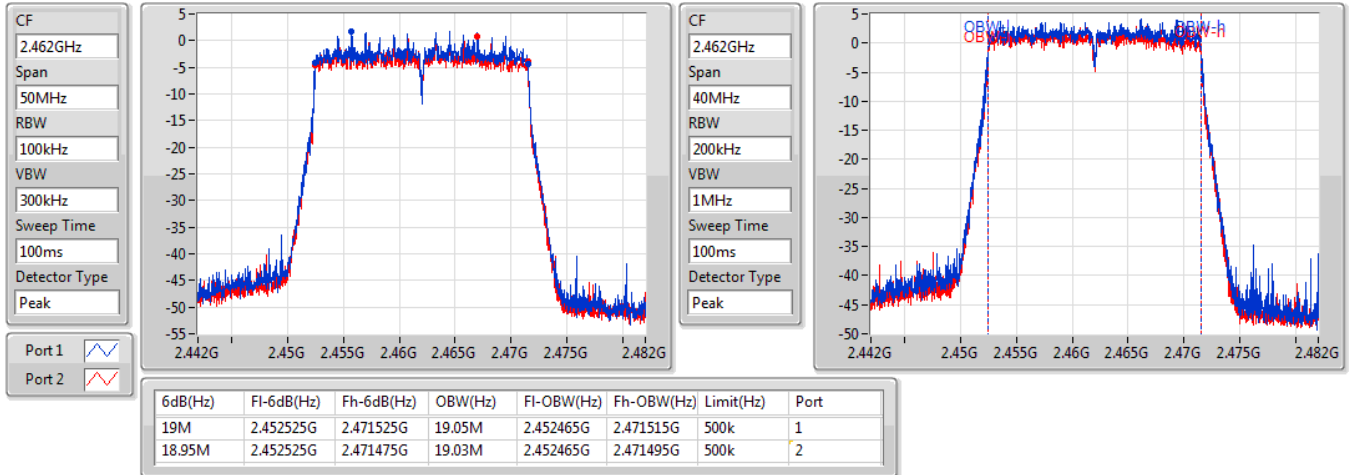


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

25/11/2019

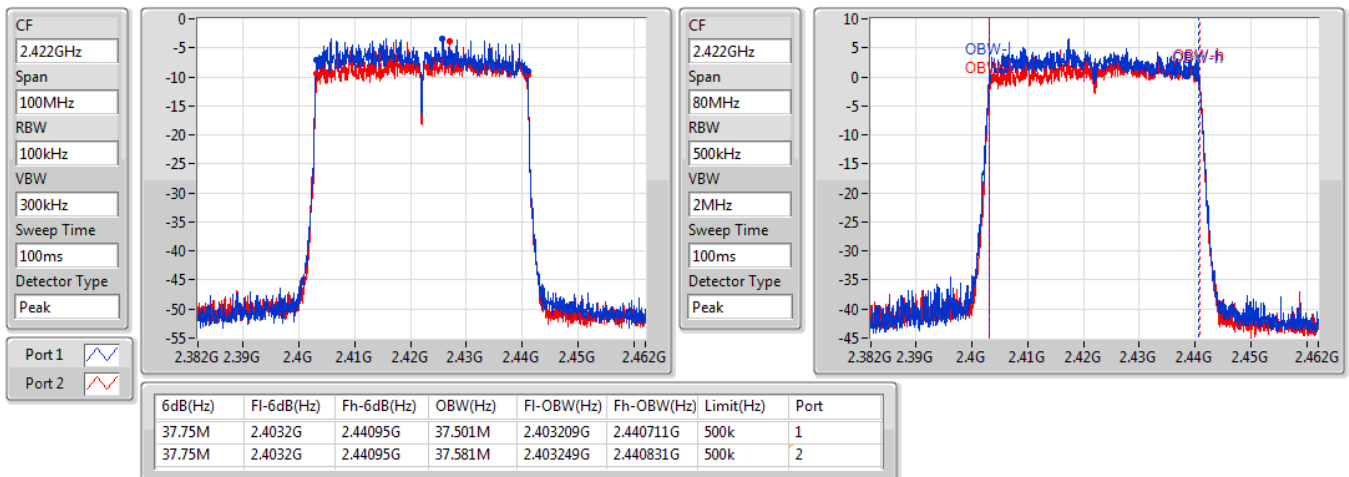


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

25/11/2019

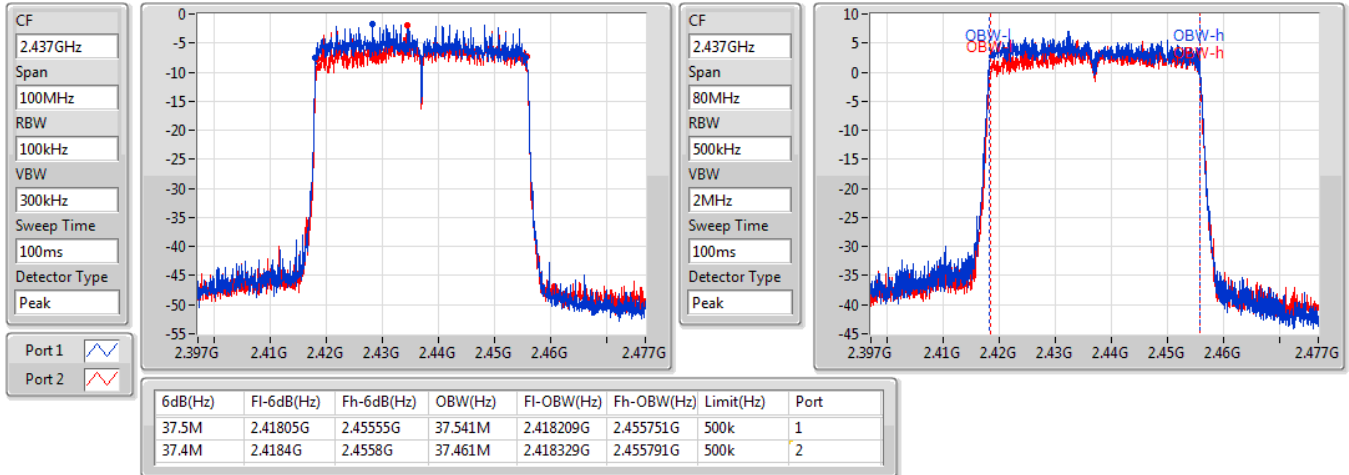


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

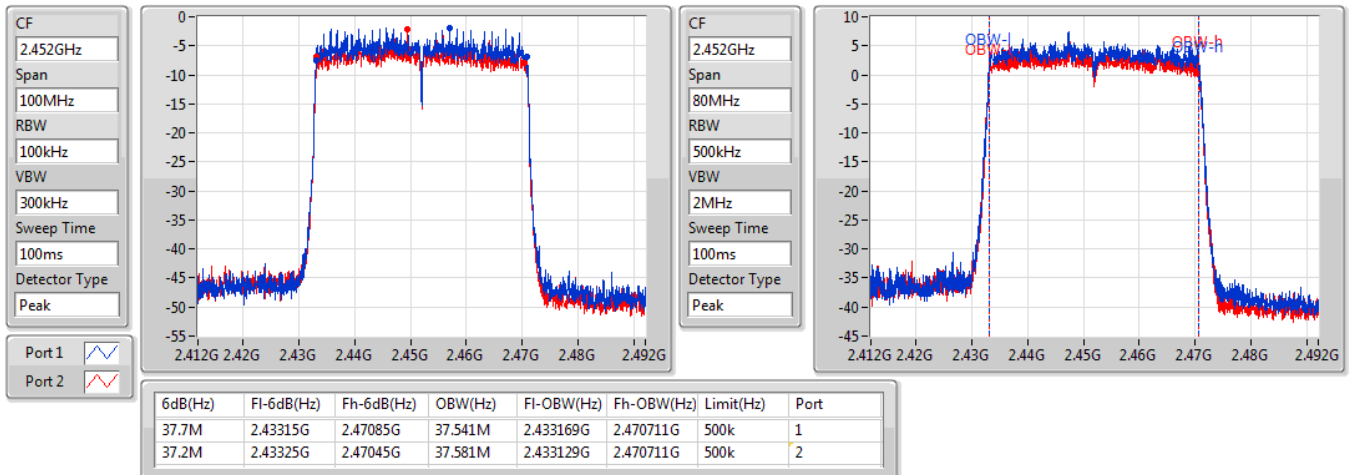


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	17.575M	17.891M	17M9D1D	13.85M	17.731M
VHT40-BF_Nss1,(MCS0)_2TX	35M	36.422M	36M4D1D	8.05M	36.342M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.05M	19.11M	19M1D1D	18.9M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.621M	37M6D1D	35.7M	37.461M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

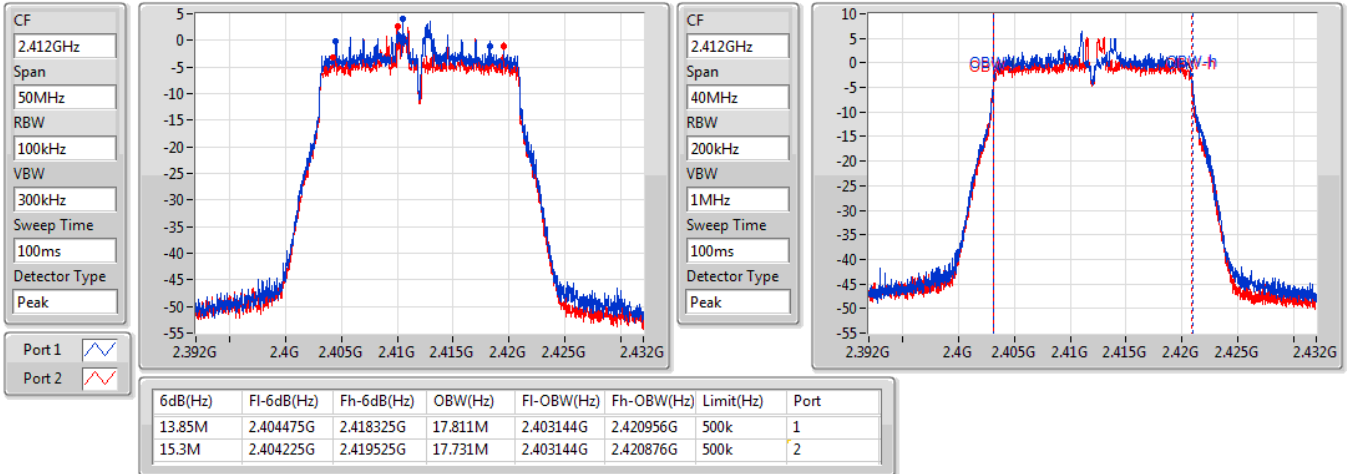
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.85M	17.811M	15.3M	17.731M
2437MHz	Pass	500k	17.575M	17.871M	17.55M	17.891M
2462MHz	Pass	500k	15.4M	17.811M	15.075M	17.791M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35M	36.342M	32.5M	36.422M
2437MHz	Pass	500k	35M	36.342M	17.6M	36.422M
2452MHz	Pass	500k	8.05M	36.382M	33.75M	36.342M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.09M	19.05M	19.11M
2437MHz	Pass	500k	18.95M	19.11M	18.9M	19.07M
2462MHz	Pass	500k	18.9M	19.07M	18.975M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37M	37.461M	37.6M	37.621M
2437MHz	Pass	500k	35.7M	37.581M	36.85M	37.501M
2452MHz	Pass	500k	37.3M	37.621M	35.9M	37.501M

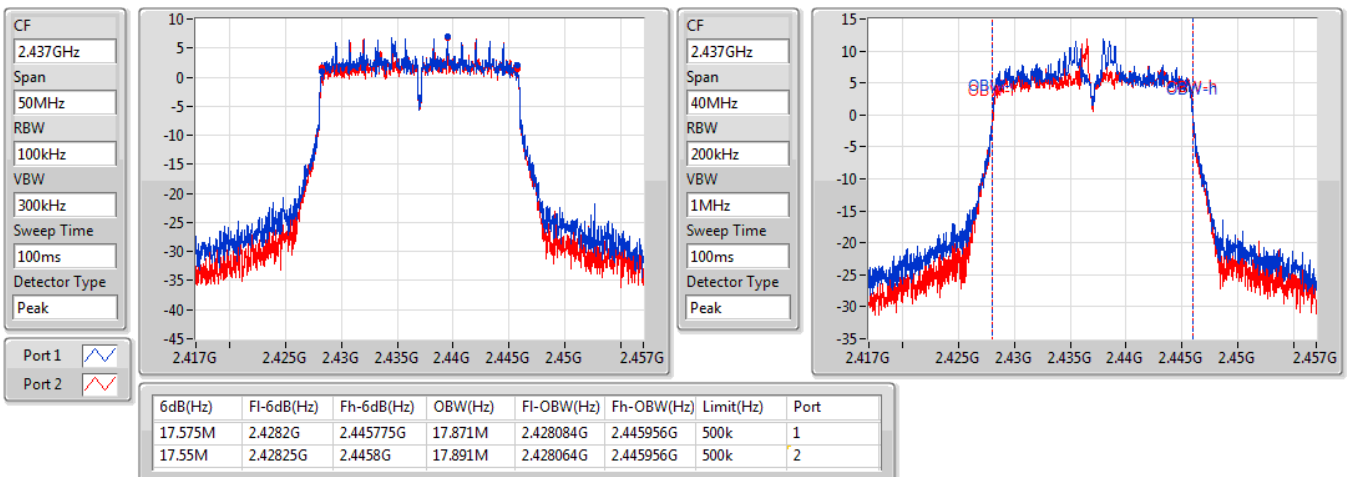
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

25/11/2019


VHT20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

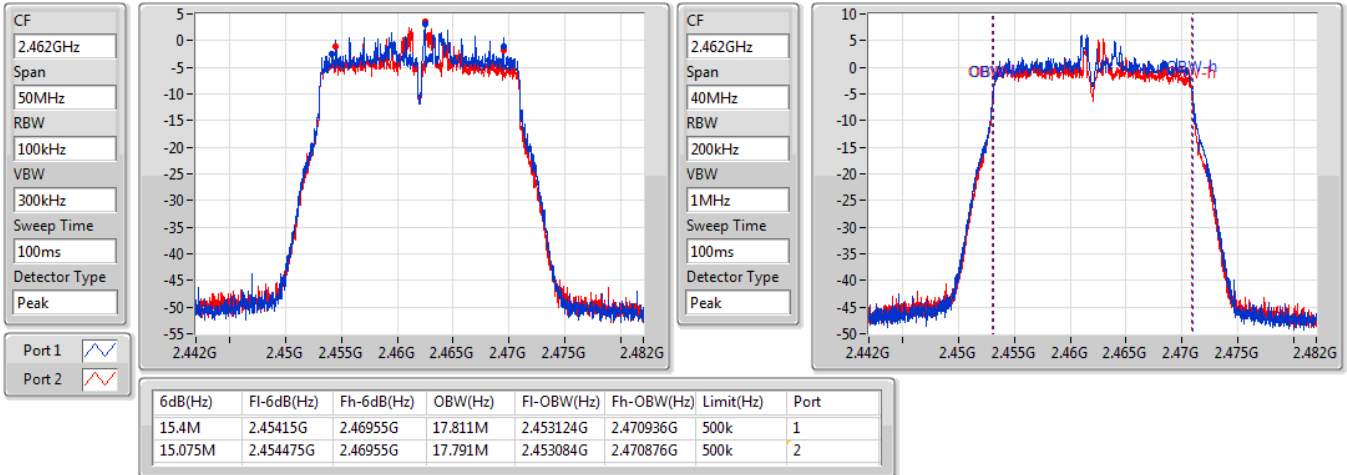
25/11/2019



VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

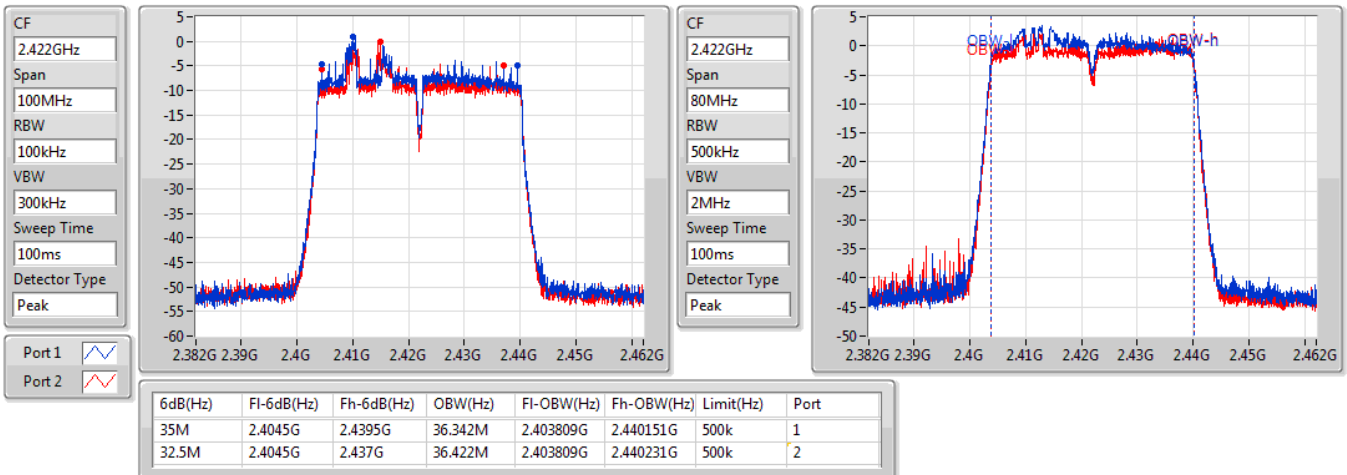
25/11/2019



VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

25/11/2019

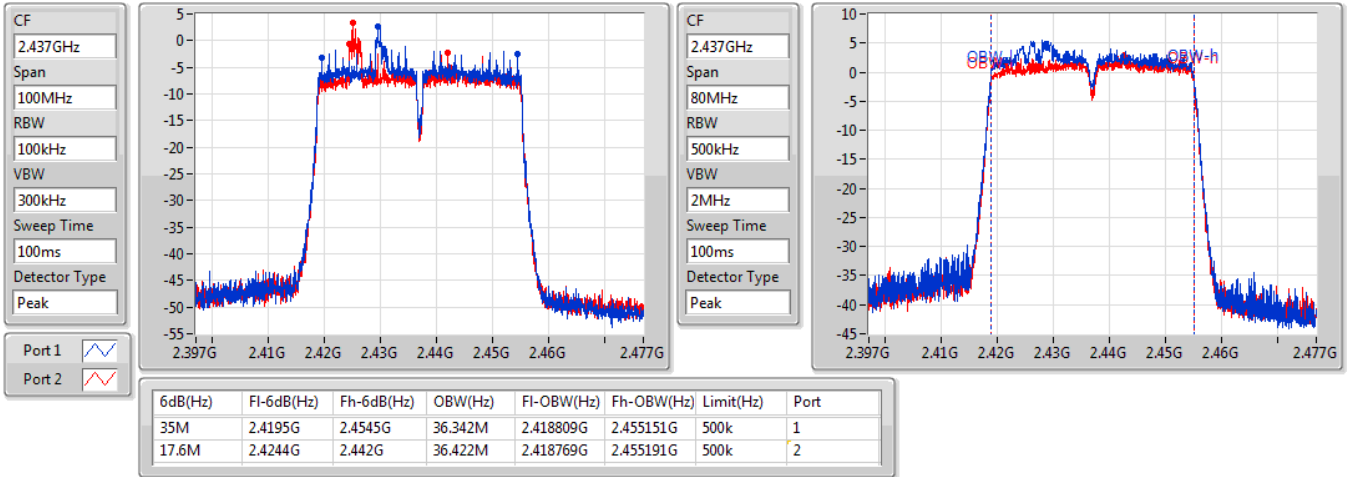


VHT40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

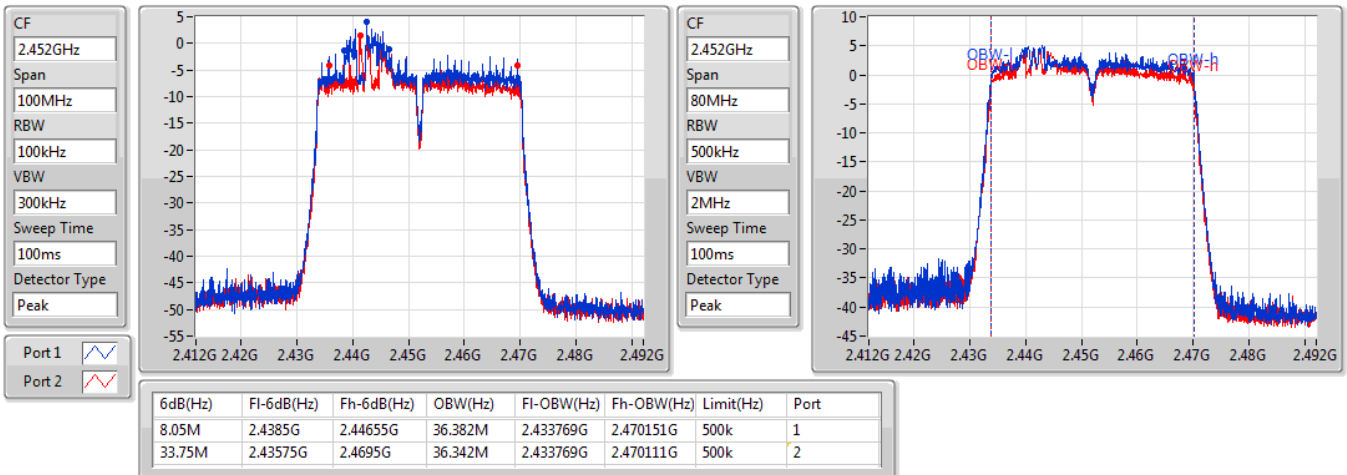


VHT40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019

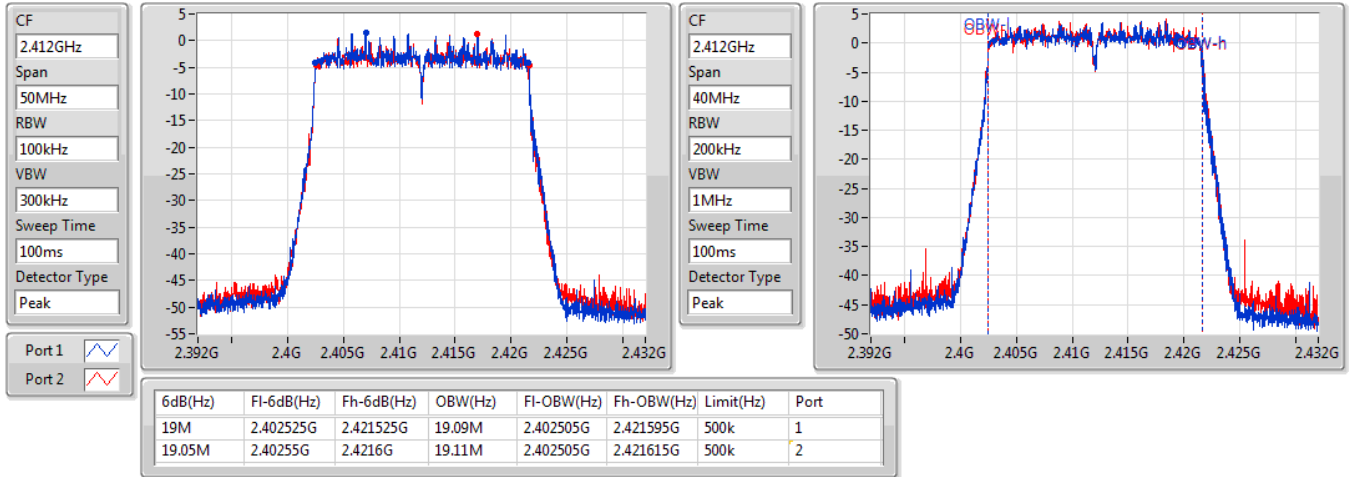


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

04/12/2019

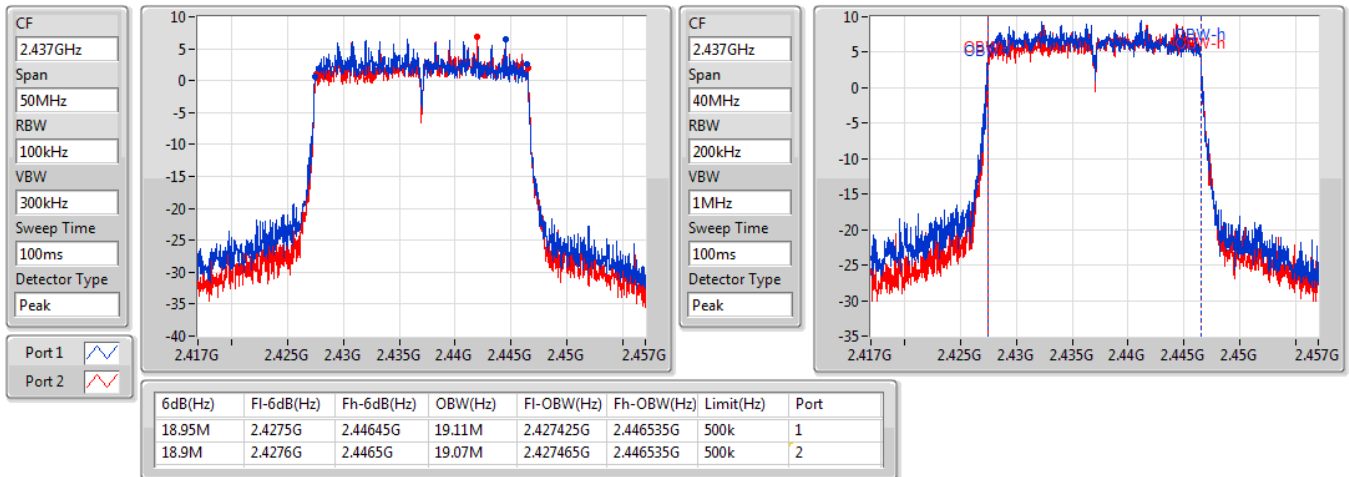


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

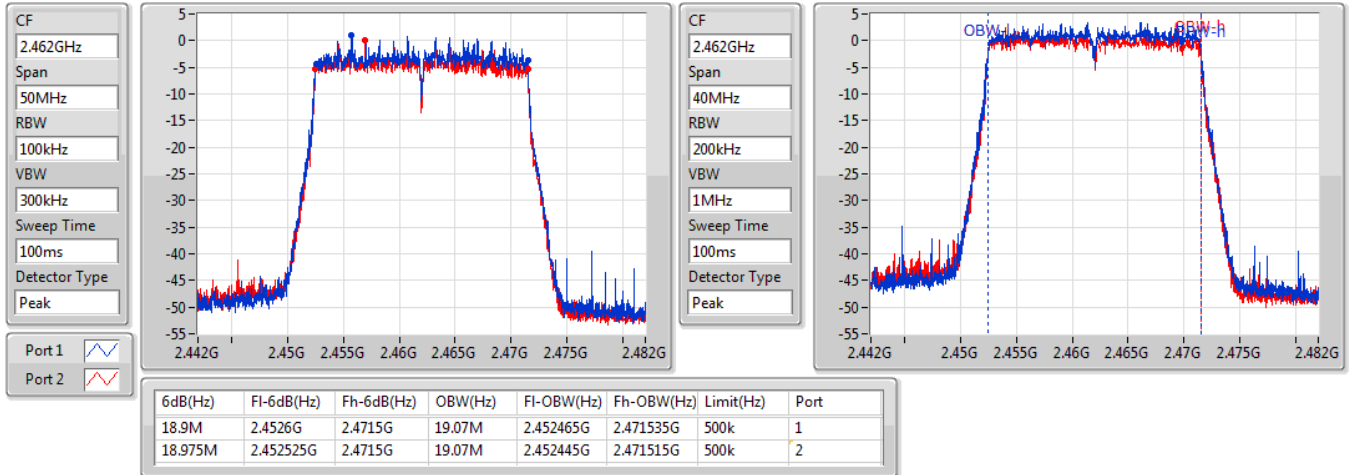


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

25/11/2019

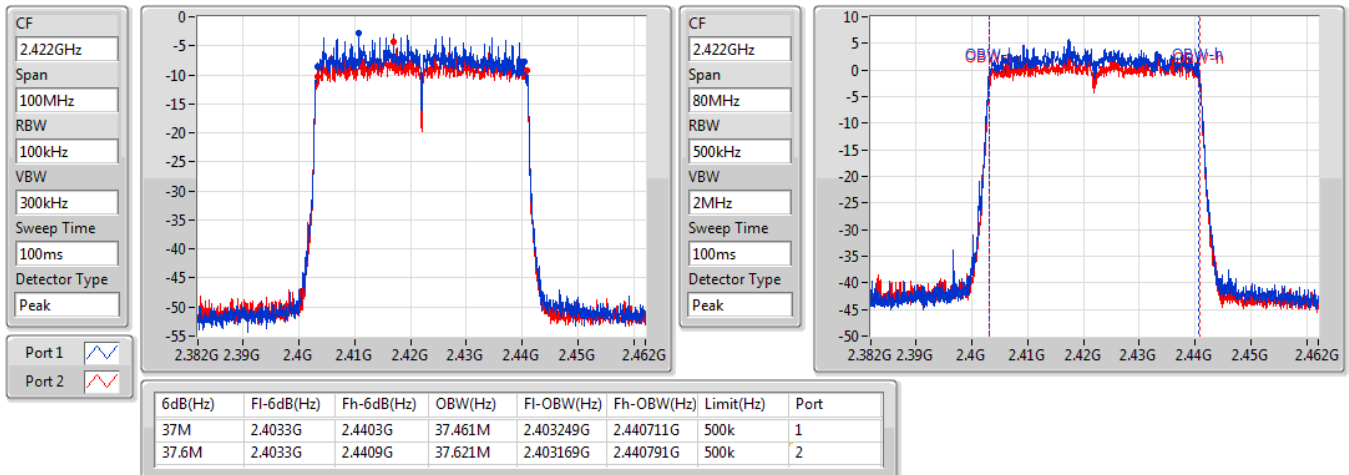


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

25/11/2019

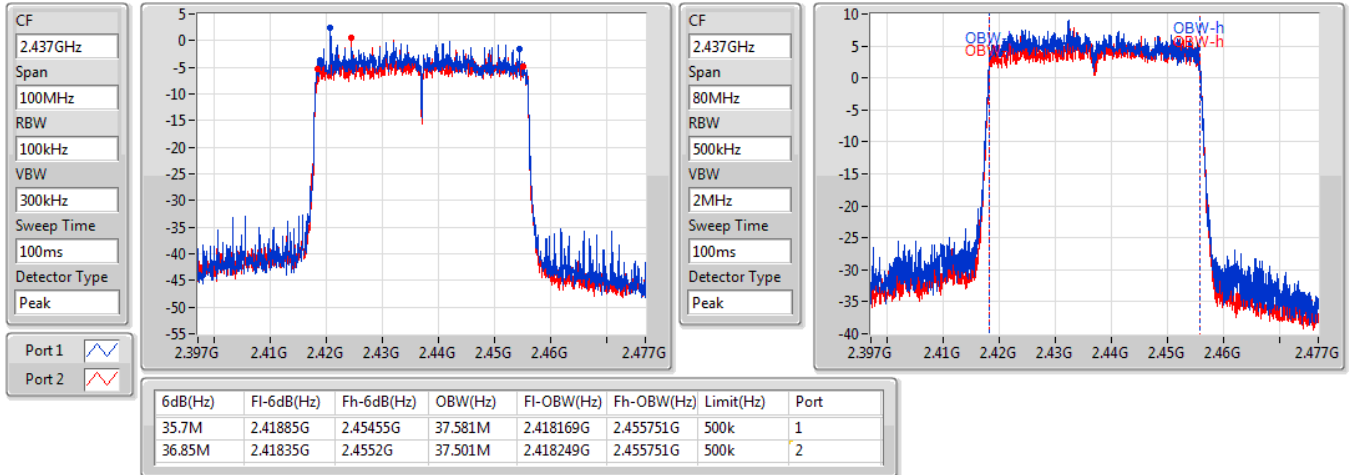


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

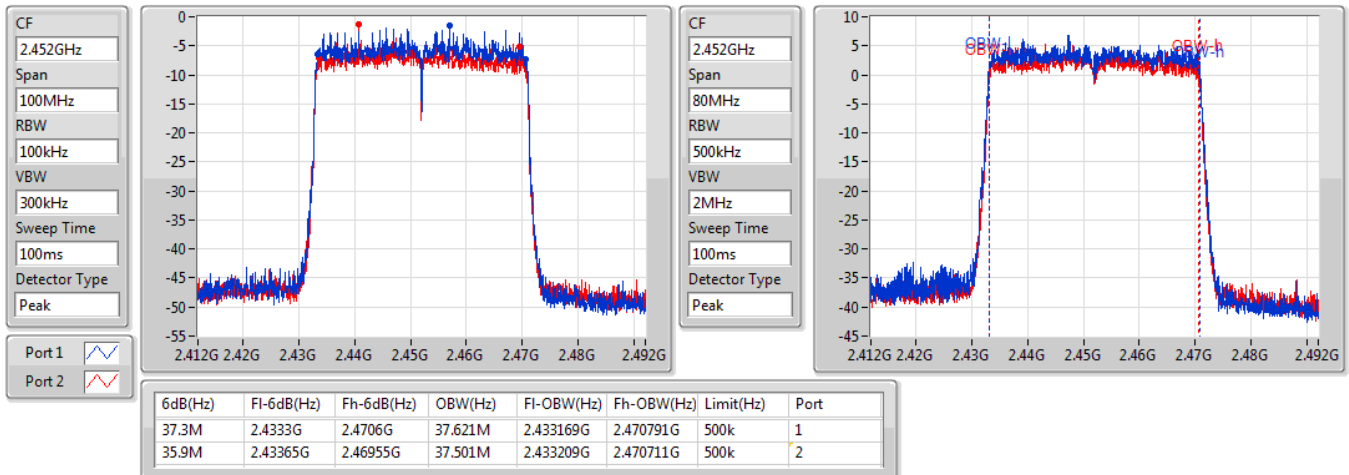


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	17.3M	17.831M	17M8D1D	15M	17.751M
VHT40-BF_Nss1,(MCS0)_2TX	35.05M	36.422M	36M4D1D	8.05M	36.302M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.11M	19M1D1D	18.9M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.621M	37M6D1D	35.9M	37.501M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

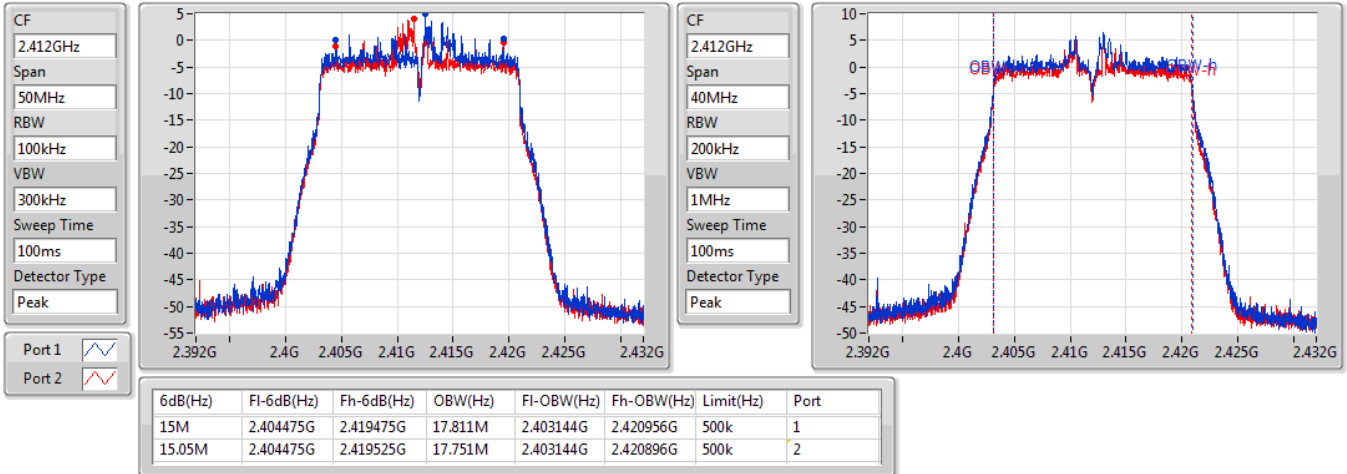
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15M	17.811M	15.05M	17.751M
2437MHz	Pass	500k	17.3M	17.831M	15.1M	17.831M
2462MHz	Pass	500k	15.925M	17.831M	15.075M	17.771M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	31.35M	36.302M	33.75M	36.422M
2437MHz	Pass	500k	35M	36.382M	35.05M	36.342M
2452MHz	Pass	500k	8.05M	36.382M	33.75M	36.342M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.03M	19M	19.05M
2437MHz	Pass	500k	18.975M	19.11M	18.9M	19.07M
2462MHz	Pass	500k	18.95M	18.991M	18.95M	19.03M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.501M	36.9M	37.541M
2437MHz	Pass	500k	37.05M	37.541M	37.4M	37.581M
2452MHz	Pass	500k	37.3M	37.621M	35.9M	37.501M

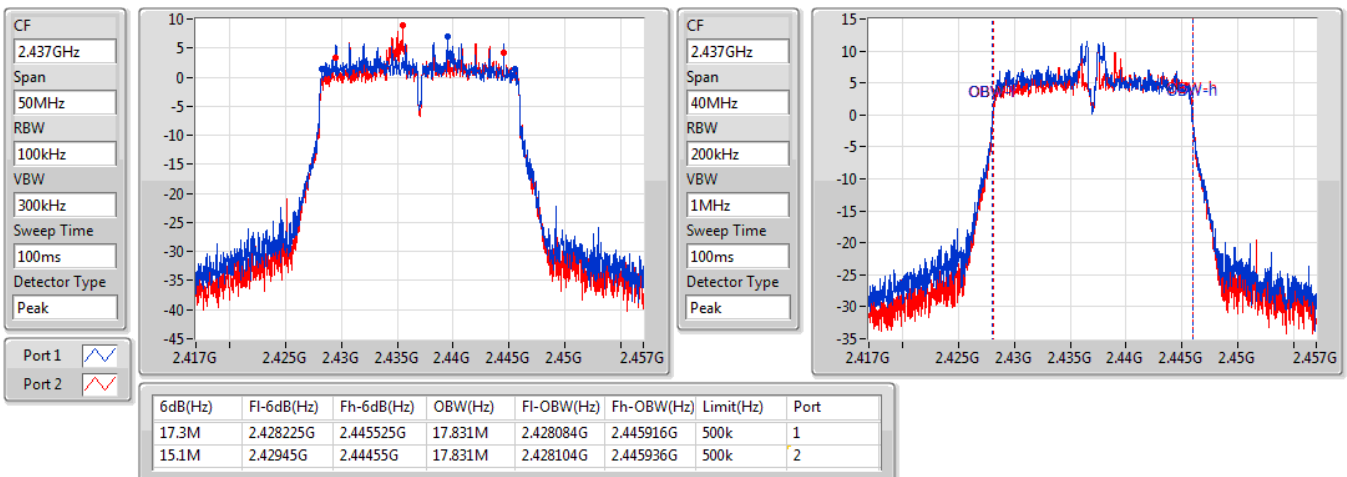
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

25/11/2019


VHT20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

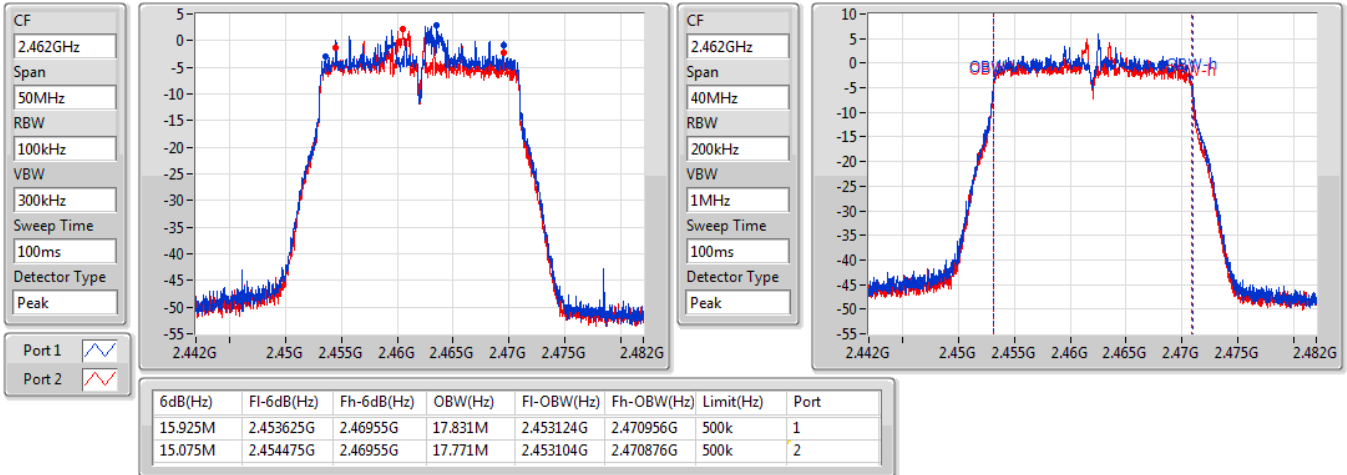
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VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

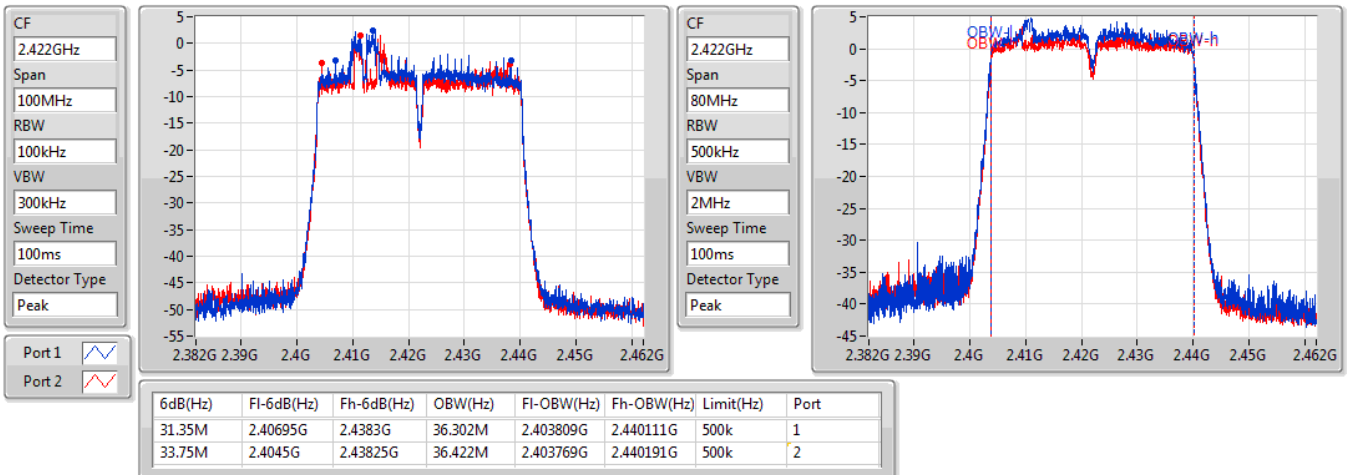
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VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

25/11/2019

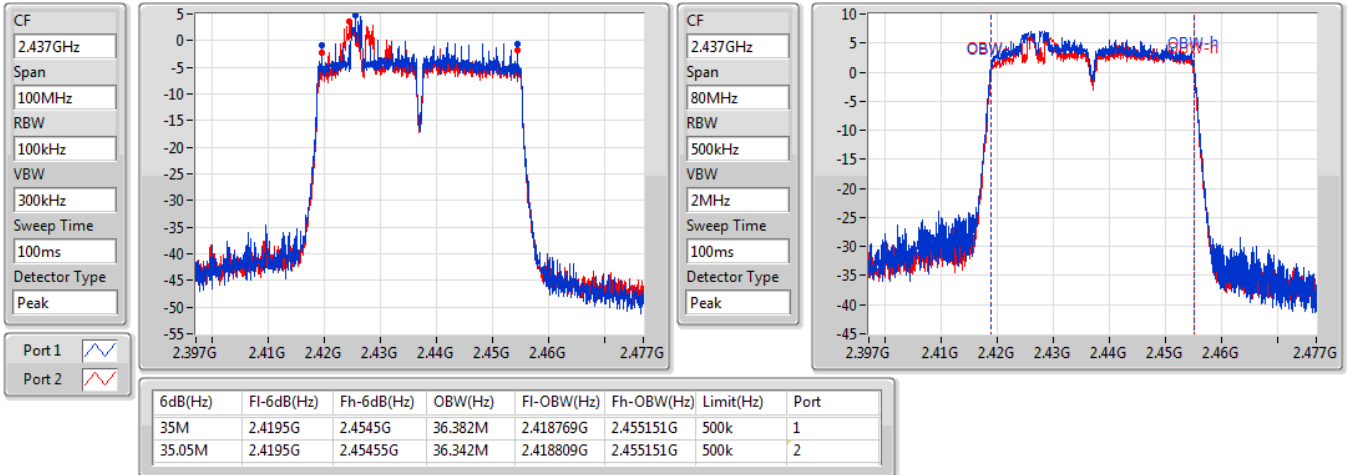


VHT40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

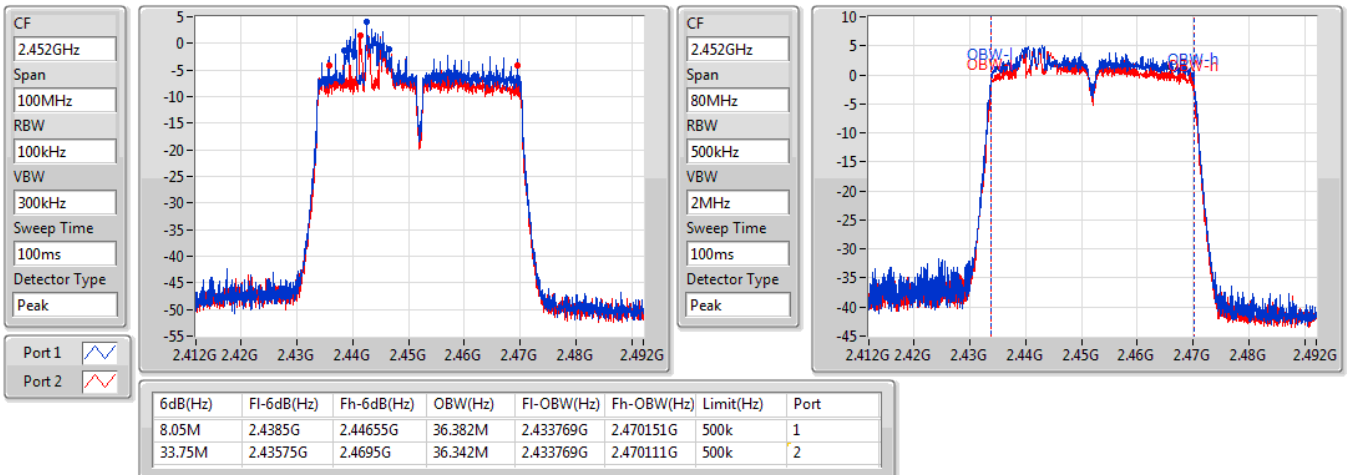


VHT40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019

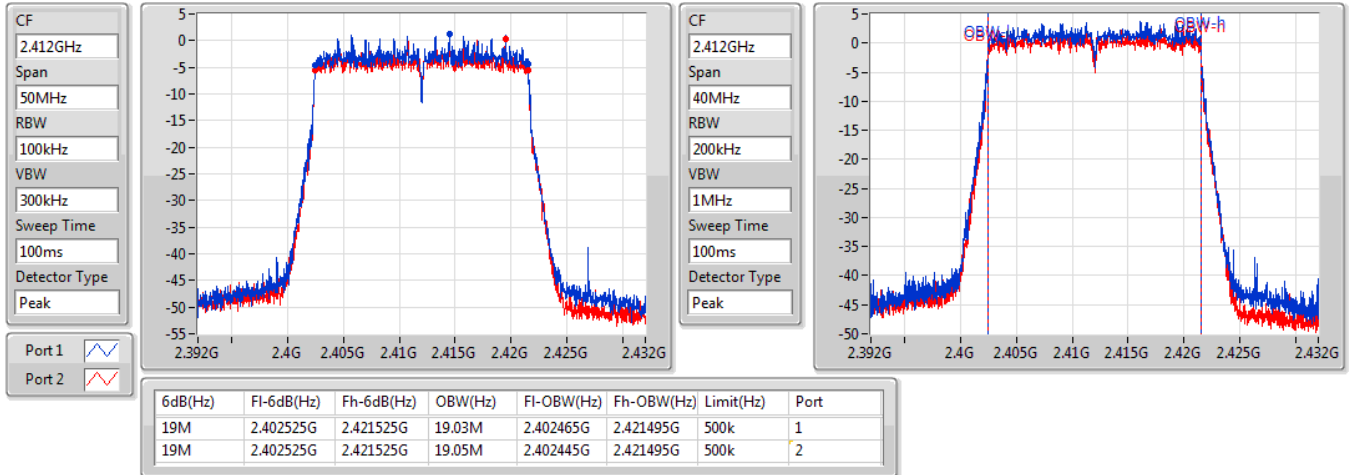


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

25/11/2019

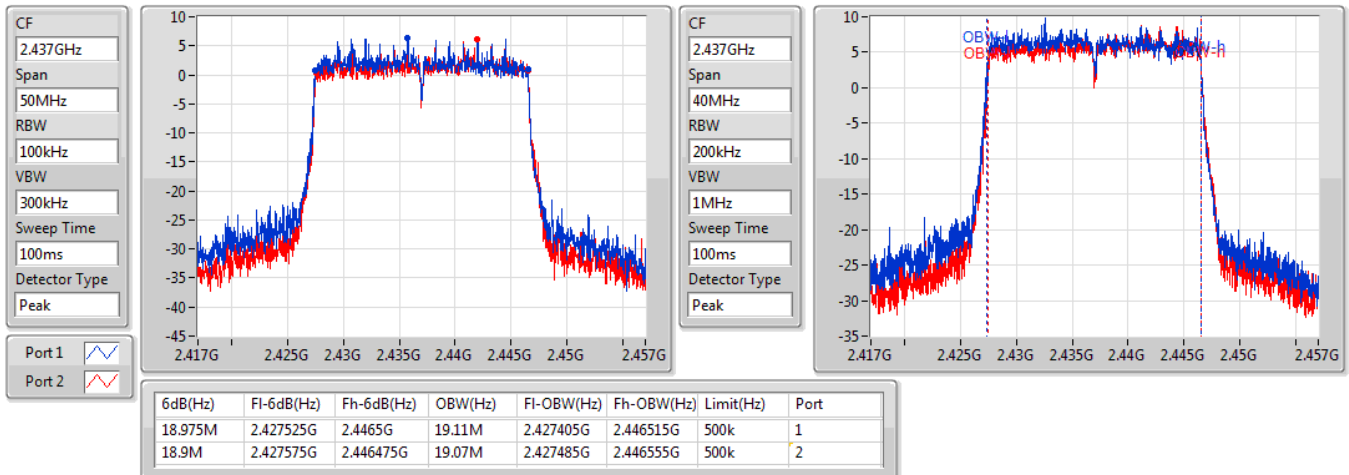


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

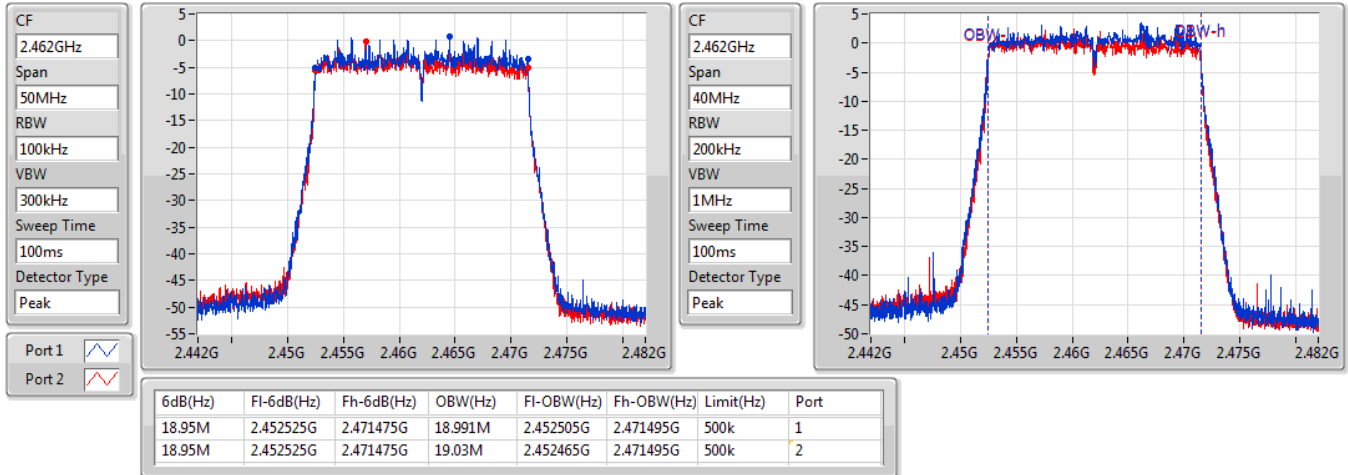


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

25/11/2019

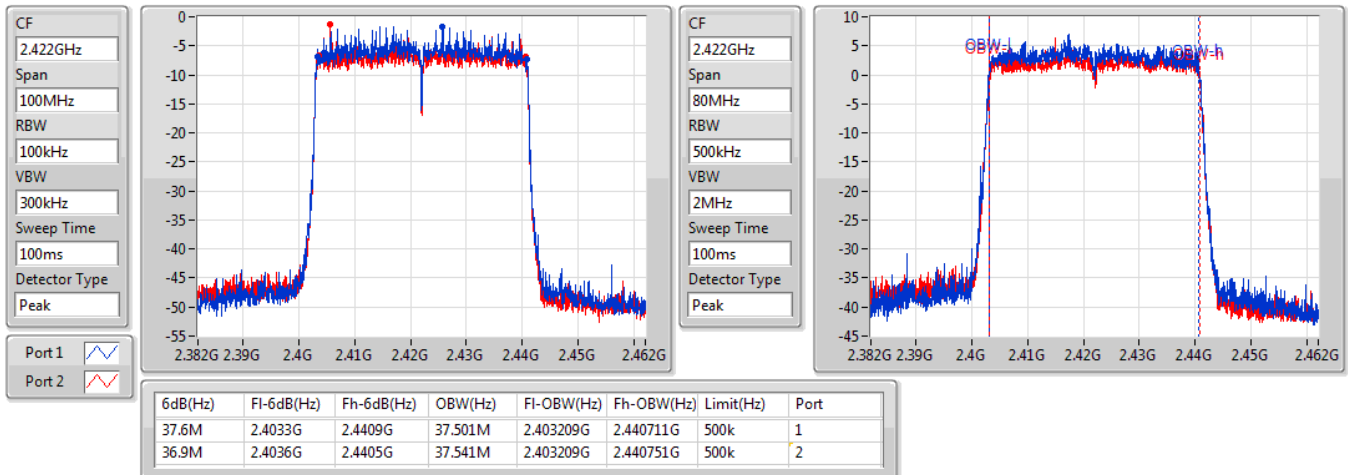


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

25/11/2019

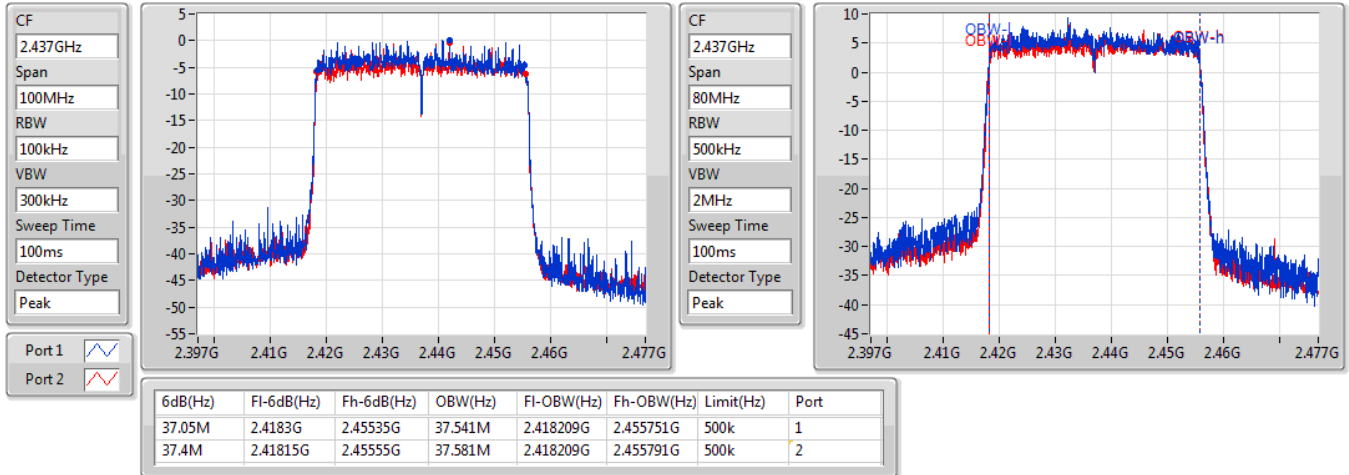


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

25/11/2019

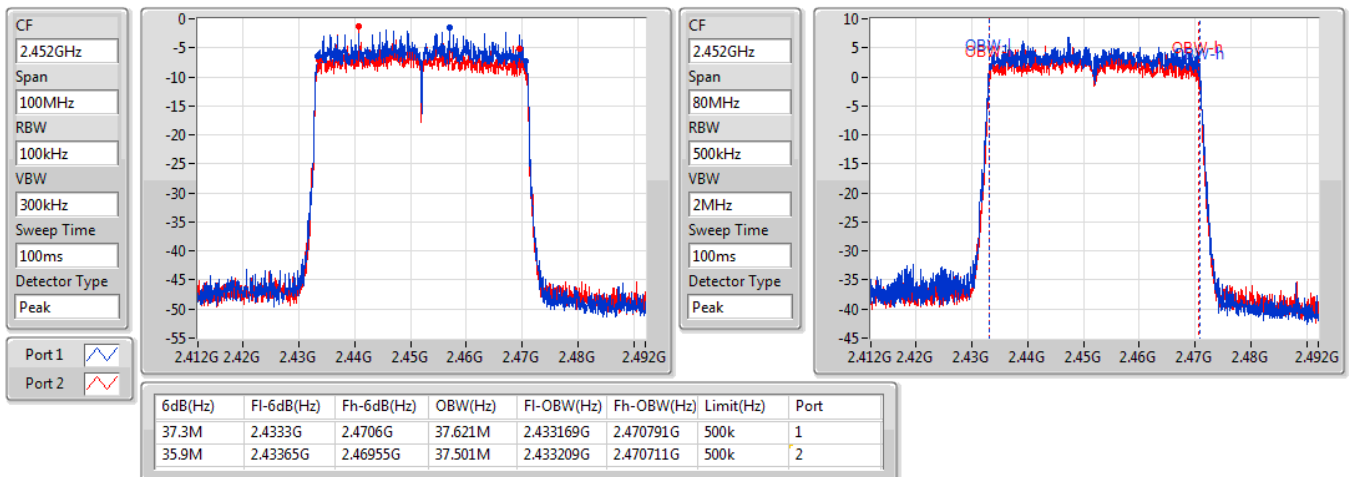


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

25/11/2019





Average Power_Non-Beamforming_Sample 1_Radio 1_1T1S Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.54	0.22594
802.11g_Nss1,(6Mbps)_1TX	21.52	0.14191
VHT20_Nss1,(MCS0)_1TX	21.06	0.12764
VHT40_Nss1,(MCS0)_1TX	17.99	0.06295
802.11ax HEW20_Nss1,(MCS0)_1TX	21.40	0.13804
802.11ax HEW40_Nss1,(MCS0)_1TX	18.17	0.06561



Average Power_Non-Beamforming_Sample 1_Radio 1_1T1S Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	23.06	23.06	30.00
2417MHz_TnomVnom	Pass	4.50	22.82	22.82	30.00
2437MHz_TnomVnom	Pass	4.50	23.54	23.54	30.00
2457MHz_TnomVnom	Pass	4.50	22.69	22.69	30.00
2462MHz_TnomVnom	Pass	4.50	22.53	22.53	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	17.77	17.77	30.00
2417MHz_TnomVnom	Pass	4.50	19.68	19.68	30.00
2437MHz_TnomVnom	Pass	4.50	21.52	21.52	30.00
2457MHz_TnomVnom	Pass	4.50	19.22	19.22	30.00
2462MHz_TnomVnom	Pass	4.50	16.73	16.73	30.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	17.41	17.41	30.00
2417MHz_TnomVnom	Pass	4.50	19.08	19.08	30.00
2437MHz_TnomVnom	Pass	4.50	21.06	21.06	30.00
2457MHz_TnomVnom	Pass	4.50	18.51	18.51	30.00
2462MHz_TnomVnom	Pass	4.50	15.20	15.20	30.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.50	16.47	16.47	30.00
2427MHz_TnomVnom	Pass	4.50	16.82	16.82	30.00
2437MHz_TnomVnom	Pass	4.50	17.99	17.99	30.00
2447MHz_TnomVnom	Pass	4.50	17.57	17.57	30.00
2452MHz_TnomVnom	Pass	4.50	16.94	16.94	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	17.86	17.86	30.00
2417MHz_TnomVnom	Pass	4.50	19.34	19.34	30.00
2437MHz_TnomVnom	Pass	4.50	21.40	21.40	30.00
2457MHz_TnomVnom	Pass	4.50	18.81	18.81	30.00
2462MHz_TnomVnom	Pass	4.50	15.45	15.45	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.50	16.66	16.66	30.00
2427MHz_TnomVnom	Pass	4.50	17.04	17.04	30.00
2437MHz_TnomVnom	Pass	4.50	18.17	18.17	30.00
2447MHz_TnomVnom	Pass	4.50	18.04	18.04	30.00
2452MHz_TnomVnom	Pass	4.50	17.11	17.11	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.77	0.47534
802.11g_Nss1,(6Mbps)_2TX	24.65	0.29174
VHT20_Nss2,(MCS0)_2TX	23.50	0.22387
VHT40_Nss2,(MCS0)_2TX	19.94	0.09863
802.11ax HEW20_Nss2,(MCS0)_2TX	23.77	0.23823
802.11ax HEW40_Nss2,(MCS0)_2TX	20.14	0.10328

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.53	22.06	22.05	25.07	30.00
2417MHz_TnomVnom	Pass	4.53	22.30	22.09	25.21	30.00
2437MHz_TnomVnom	Pass	4.53	23.46	24.04	26.77	30.00
2457MHz_TnomVnom	Pass	4.53	21.87	21.80	24.85	30.00
2462MHz_TnomVnom	Pass	4.53	21.30	21.15	24.24	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.53	18.61	18.53	21.58	30.00
2417MHz_TnomVnom	Pass	4.53	19.71	19.60	22.67	30.00
2437MHz_TnomVnom	Pass	4.53	21.65	21.63	24.65	30.00
2457MHz_TnomVnom	Pass	4.53	18.83	18.67	21.76	30.00
2462MHz_TnomVnom	Pass	4.53	16.60	16.83	19.73	30.00
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.52	17.65	17.74	20.71	30.00
2417MHz_TnomVnom	Pass	4.52	18.43	18.35	21.40	30.00
2437MHz_TnomVnom	Pass	4.52	20.57	20.41	23.50	30.00
2457MHz_TnomVnom	Pass	4.52	18.25	18.02	21.15	30.00
2462MHz_TnomVnom	Pass	4.52	17.53	17.35	20.45	30.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.52	15.31	15.37	18.35	30.00
2427MHz_TnomVnom	Pass	4.52	16.53	16.58	19.57	30.00
2437MHz_TnomVnom	Pass	4.52	16.91	16.95	19.94	30.00
2447MHz_TnomVnom	Pass	4.52	16.60	16.55	19.59	30.00
2452MHz_TnomVnom	Pass	4.52	16.37	16.40	19.40	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.52	17.84	17.87	20.87	30.00
2417MHz_TnomVnom	Pass	4.52	18.65	18.57	21.62	30.00
2437MHz_TnomVnom	Pass	4.52	20.72	20.79	23.77	30.00
2457MHz_TnomVnom	Pass	4.52	18.50	18.32	21.42	30.00
2462MHz_TnomVnom	Pass	4.52	17.72	17.57	20.66	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.52	15.43	15.75	18.60	30.00
2427MHz_TnomVnom	Pass	4.52	16.88	16.82	19.86	30.00
2437MHz_TnomVnom	Pass	4.52	17.04	17.22	20.14	30.00
2447MHz_TnomVnom	Pass	4.52	16.86	16.87	19.88	30.00
2452MHz_TnomVnom	Pass	4.52	16.63	16.60	19.63	30.00

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



Average Power_ Non Beamforming _Sample 2_Radio 1_
Omni_1T1S

Appendix C.3

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.52	0.11272
802.11g_Nss1,(6Mbps)_1TX	21.49	0.14093
VHT20_Nss1,(MCS0)_1TX	20.61	0.11508
VHT40_Nss1,(MCS0)_1TX	17.18	0.05224
802.11ax HEW20_Nss1,(MCS0)_1TX	20.86	0.12190
802.11ax HEW40_Nss1,(MCS0)_1TX	17.25	0.05309



Average Power_ Non Beamforming _Sample 2_Radio 1_
Omni_1T1S

Appendix C.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	19.93	19.93	30.00
2417MHz	Pass	5.00	20.52	20.52	30.00
2437MHz	Pass	5.00	20.32	20.32	30.00
2462MHz	Pass	5.00	19.87	19.87	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	17.12	17.12	30.00
2417MHz	Pass	5.00	19.41	19.41	30.00
2437MHz	Pass	5.00	21.49	21.49	30.00
2457MHz	Pass	5.00	18.36	18.36	30.00
2462MHz	Pass	5.00	15.94	15.94	30.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	16.73	16.73	30.00
2417MHz	Pass	5.00	18.84	18.84	30.00
2437MHz	Pass	5.00	20.61	20.61	30.00
2457MHz	Pass	5.00	18.16	18.16	30.00
2462MHz	Pass	5.00	16.34	16.34	30.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	15.17	15.17	30.00
2427MHz	Pass	5.00	15.05	15.05	30.00
2437MHz	Pass	5.00	17.18	17.18	30.00
2447MHz	Pass	5.00	16.04	16.04	30.00
2452MHz	Pass	5.00	15.92	15.92	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	17.03	17.03	30.00
2417MHz	Pass	5.00	19.11	19.11	30.00
2437MHz	Pass	5.00	20.86	20.86	30.00
2457MHz	Pass	5.00	18.49	18.49	30.00
2462MHz	Pass	5.00	16.77	16.77	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	15.31	15.31	30.00
2427MHz	Pass	5.00	15.27	15.27	30.00
2437MHz	Pass	5.00	17.25	17.25	30.00
2447MHz	Pass	5.00	16.29	16.29	30.00
2452MHz	Pass	5.00	15.96	15.96	30.00

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



Average Power_ Non Beamforming _Sample 2_Radio 1_ Omni_2T2S

Appendix C.4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.11	0.20464
802.11g_Nss1,(6Mbps)_2TX	22.65	0.18408
VHT20_Nss2,(MCS0)_2TX	21.50	0.14125
VHT40_Nss2,(MCS0)_2TX	17.56	0.05702
802.11ax HEW20_Nss2,(MCS0)_2TX	21.86	0.15346
802.11ax HEW40_Nss2,(MCS0)_2TX	17.69	0.05875



Average Power_ Non Beamforming_ Sample 2_Radio 1_
Omni_2T2S

Appendix C.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	18.92	18.81	21.88	30.00
2417MHz	Pass	5.00	20.15	20.05	23.11	30.00
2437MHz	Pass	5.00	20.04	19.95	23.01	30.00
2457MHz	Pass	5.00	19.82	19.89	22.87	30.00
2462MHz	Pass	5.00	18.62	18.79	21.72	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	15.06	14.31	17.71	30.00
2417MHz	Pass	5.00	16.54	16.01	19.29	30.00
2437MHz	Pass	5.00	19.84	19.42	22.65	30.00
2457MHz	Pass	5.00	15.88	15.56	18.73	30.00
2462MHz	Pass	5.00	14.85	14.75	17.81	30.00
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	15.21	14.49	17.88	30.00
2417MHz	Pass	5.00	16.94	16.16	19.58	30.00
2437MHz	Pass	5.00	18.72	18.24	21.50	30.00
2457MHz	Pass	5.00	16.08	15.79	18.95	30.00
2462MHz	Pass	5.00	15.15	14.83	18.00	30.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	13.46	12.52	16.03	30.00
2427MHz	Pass	5.00	13.59	12.65	16.16	30.00
2437MHz	Pass	5.00	14.91	14.16	17.56	30.00
2447MHz	Pass	5.00	14.39	13.69	17.06	30.00
2452MHz	Pass	5.00	13.92	13.07	16.53	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	15.26	14.69	17.99	30.00
2417MHz	Pass	5.00	17.12	16.56	19.86	30.00
2437MHz	Pass	5.00	18.98	18.71	21.86	30.00
2457MHz	Pass	5.00	16.32	16.15	19.25	30.00
2462MHz	Pass	5.00	15.38	15.24	18.32	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	13.71	12.60	16.20	30.00
2427MHz	Pass	5.00	13.84	12.89	16.40	30.00
2437MHz	Pass	5.00	15.11	14.20	17.69	30.00
2447MHz	Pass	5.00	14.67	14.03	17.37	30.00
2452MHz	Pass	5.00	14.15	13.49	16.84	30.00

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



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 1 _1T1S

Appendix C.5

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.55	0.11350
802.11g_Nss1,(6Mbps)_1TX	20.60	0.11482
VHT20_Nss1,(MCS0)_1TX	20.02	0.10046
VHT40_Nss1,(MCS0)_1TX	16.12	0.04093
802.11ax HEW20_Nss1,(MCS0)_1TX	20.32	0.10765
802.11ax HEW40_Nss1,(MCS0)_1TX	16.37	0.04335



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 1 _1T1S

Appendix C.5

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	20.13	20.13	28.20
2417MHz	Pass	7.80	20.42	20.42	28.20
2437MHz	Pass	7.80	20.55	20.55	28.20
2457MHz	Pass	7.80	20.48	20.48	28.20
2462MHz	Pass	7.80	19.76	19.76	28.20
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	15.81	15.81	28.20
2417MHz	Pass	7.80	17.47	17.47	28.20
2437MHz	Pass	7.80	20.60	20.60	28.20
2457MHz	Pass	7.80	16.67	16.67	28.20
2462MHz	Pass	7.80	15.33	15.33	28.20
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	13.28	13.28	28.20
2417MHz	Pass	7.80	16.34	16.34	28.20
2437MHz	Pass	7.80	20.02	20.02	28.20
2457MHz	Pass	7.80	16.35	16.35	28.20
2462MHz	Pass	7.80	12.91	12.91	28.20
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	7.80	15.15	15.15	28.20
2427MHz	Pass	7.80	15.08	15.08	28.20
2437MHz	Pass	7.80	16.12	16.12	28.20
2447MHz	Pass	7.80	14.79	14.79	28.20
2452MHz	Pass	7.80	14.63	14.63	28.20
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	13.60	13.60	28.20
2417MHz	Pass	7.80	16.65	16.65	28.20
2437MHz	Pass	7.80	20.32	20.32	28.20
2457MHz	Pass	7.80	16.81	16.81	28.20
2462MHz	Pass	7.80	13.20	13.20	28.20
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	7.80	15.34	15.34	28.20
2427MHz	Pass	7.80	15.34	15.34	28.20
2437MHz	Pass	7.80	16.37	16.37	28.20
2447MHz	Pass	7.80	15.13	15.13	28.20
2452MHz	Pass	7.80	14.82	14.82	28.20

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



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 1_2T2S Appendix C.6

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.50	0.11220
802.11g_Nss1,(6Mbps)_2TX	21.89	0.15453
VHT20_Nss2,(MCS0)_2TX	21.29	0.13459
VHT40_Nss2,(MCS0)_2TX	17.38	0.05470
802.11ax HEW20_Nss2,(MCS0)_2TX	21.46	0.13996
802.11ax HEW40_Nss2,(MCS0)_2TX	17.60	0.05754



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 1_2T2S Appendix C.6

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	17.72	17.25	20.50	28.20
2437MHz	Pass	7.80	16.57	16.85	19.72	28.20
2462MHz	Pass	7.80	17.22	17.47	20.36	28.20
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	14.84	14.33	17.60	28.20
2417MHz	Pass	7.80	15.74	15.22	18.50	28.20
2437MHz	Pass	7.80	18.94	18.82	21.89	28.20
2457MHz	Pass	7.80	15.36	15.56	18.47	28.20
2462MHz	Pass	7.80	15.03	15.12	18.09	28.20
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	15.23	14.96	18.11	28.20
2417MHz	Pass	7.80	16.04	15.74	18.90	28.20
2437MHz	Pass	7.80	18.25	18.31	21.29	28.20
2457MHz	Pass	7.80	16.04	16.36	19.21	28.20
2462MHz	Pass	7.80	15.16	15.24	18.21	28.20
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.80	13.95	13.26	16.63	28.20
2427MHz	Pass	7.80	13.83	13.35	16.61	28.20
2437MHz	Pass	7.80	14.47	14.09	17.29	28.20
2447MHz	Pass	7.80	14.48	14.25	17.38	28.20
2452MHz	Pass	7.80	13.99	13.93	16.97	28.20
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	15.68	15.30	18.50	28.20
2417MHz	Pass	7.80	16.47	15.83	19.17	28.20
2437MHz	Pass	7.80	18.55	18.34	21.46	28.20
2457MHz	Pass	7.80	16.41	16.63	19.53	28.20
2462MHz	Pass	7.80	15.21	15.43	18.33	28.20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.80	14.22	13.50	16.89	28.20
2427MHz	Pass	7.80	14.17	13.62	16.91	28.20
2437MHz	Pass	7.80	14.71	14.46	17.60	28.20
2447MHz	Pass	7.80	14.68	14.41	17.56	28.20
2452MHz	Pass	7.80	14.11	14.09	17.11	28.20

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



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_1T1S Appendix C.7

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.59	0.11455
802.11g_Nss1,(6Mbps)_1TX	19.99	0.09977
VHT20_Nss1,(MCS0)_1TX	19.27	0.08453
VHT40_Nss1,(MCS0)_1TX	15.92	0.03908
802.11ax HEW20_Nss1,(MCS0)_1TX	19.55	0.09016
802.11ax HEW40_Nss1,(MCS0)_1TX	16.31	0.04276



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_1T1S Appendix C.7

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	20.59	20.59	25.50
2437MHz_TnomVnom	Pass	10.50	19.95	19.95	25.50
2462MHz_TnomVnom	Pass	10.50	20.27	20.27	25.50
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	15.48	15.48	25.50
2417MHz_TnomVnom	Pass	10.50	17.31	17.31	25.50
2437MHz_TnomVnom	Pass	10.50	19.99	19.99	25.50
2457MHz_TnomVnom	Pass	10.50	16.91	16.91	25.50
2462MHz_TnomVnom	Pass	10.50	15.34	15.34	25.50
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	13.44	13.44	25.50
2417MHz_TnomVnom	Pass	10.50	16.65	16.65	25.50
2437MHz_TnomVnom	Pass	10.50	19.27	19.27	25.50
2457MHz_TnomVnom	Pass	10.50	17.14	17.14	25.50
2462MHz_TnomVnom	Pass	10.50	13.15	13.15	25.50
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	15.34	15.34	25.50
2427MHz_TnomVnom	Pass	10.50	14.78	14.78	25.50
2437MHz_TnomVnom	Pass	10.50	15.92	15.92	25.50
2447MHz_TnomVnom	Pass	10.50	14.85	14.85	25.50
2452MHz_TnomVnom	Pass	10.50	14.31	14.31	25.50
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	13.84	13.84	25.50
2417MHz_TnomVnom	Pass	10.50	17.02	17.02	25.50
2437MHz_TnomVnom	Pass	10.50	19.55	19.55	25.50
2457MHz_TnomVnom	Pass	10.50	17.38	17.38	25.50
2462MHz_TnomVnom	Pass	10.50	13.34	13.34	25.50
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	15.48	15.48	25.50
2427MHz_TnomVnom	Pass	10.50	15.03	15.03	25.50
2437MHz_TnomVnom	Pass	10.50	16.31	16.31	25.50
2447MHz_TnomVnom	Pass	10.50	14.90	14.90	25.50
2452MHz_TnomVnom	Pass	10.50	14.38	14.38	25.50

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



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_2T2S Appendix C.8

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.95	0.24831
802.11g_Nss1,(6Mbps)_2TX	21.29	0.13459
VHT20_Nss2,(MCS0)_2TX	21.21	0.13213
VHT40_Nss2,(MCS0)_2TX	17.14	0.05176
802.11ax HEW20_Nss2,(MCS0)_2TX	21.38	0.13740
802.11ax HEW40_Nss2,(MCS0)_2TX	17.37	0.05458



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_2T2S Appendix C.8

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	18.55	18.01	21.30	25.50
2417MHz_TnomVnom	Pass	10.50	18.51	17.97	21.26	25.50
2437MHz_TnomVnom	Pass	10.50	21.04	20.84	23.95	25.50
2457MHz_TnomVnom	Pass	10.50	19.28	19.39	22.35	25.50
2462MHz_TnomVnom	Pass	10.50	19.30	19.53	22.43	25.50
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	14.59	14.11	17.37	25.50
2417MHz_TnomVnom	Pass	10.50	15.21	14.83	18.03	25.50
2437MHz_TnomVnom	Pass	10.50	18.37	18.19	21.29	25.50
2457MHz_TnomVnom	Pass	10.50	15.57	15.69	18.64	25.50
2462MHz_TnomVnom	Pass	10.50	14.33	14.65	17.50	25.50
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	14.09	13.70	16.91	25.50
2417MHz_TnomVnom	Pass	10.50	15.83	15.32	18.59	25.50
2437MHz_TnomVnom	Pass	10.50	18.10	18.30	21.21	25.50
2457MHz_TnomVnom	Pass	10.50	15.66	15.82	18.75	25.50
2462MHz_TnomVnom	Pass	10.50	14.78	15.04	17.92	25.50
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	12.83	12.18	15.53	25.50
2427MHz_TnomVnom	Pass	10.50	13.01	12.57	15.81	25.50
2437MHz_TnomVnom	Pass	10.50	14.20	14.05	17.14	25.50
2447MHz_TnomVnom	Pass	10.50	13.64	13.66	16.66	25.50
2452MHz_TnomVnom	Pass	10.50	13.25	13.14	16.21	25.50
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	14.36	13.98	17.18	25.50
2417MHz_TnomVnom	Pass	10.50	15.99	15.62	18.82	25.50
2437MHz_TnomVnom	Pass	10.50	18.40	18.34	21.38	25.50
2457MHz_TnomVnom	Pass	10.50	15.84	16.20	19.03	25.50
2462MHz_TnomVnom	Pass	10.50	14.78	15.12	17.96	25.50
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	13.01	12.47	15.76	25.50
2427MHz_TnomVnom	Pass	10.50	13.11	12.77	15.95	25.50
2437MHz_TnomVnom	Pass	10.50	14.44	14.27	17.37	25.50
2447MHz_TnomVnom	Pass	10.50	13.68	13.84	16.77	25.50
2452MHz_TnomVnom	Pass	10.50	13.44	13.30	16.38	25.50

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	23.26	0.21184
VHT40-BF_Nss1,(MCS0)_2TX	18.69	0.07396
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.38	0.21777
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.00	0.07943

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.53	15.79	15.94	18.88	28.47
2417MHz	Pass	7.53	16.01	16.36	19.20	28.47
2437MHz	Pass	7.53	20.32	20.17	23.26	28.47
2457MHz	Pass	7.53	16.99	17.09	20.05	28.47
2462MHz	Pass	7.53	13.77	14.26	17.03	28.47
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.53	13.03	13.58	16.32	28.47
2427MHz	Pass	7.53	15.01	15.74	18.40	28.47
2437MHz	Pass	7.53	15.16	15.70	18.45	28.47
2447MHz	Pass	7.53	15.16	16.15	18.69	28.47
2452MHz	Pass	7.53	15.06	14.79	17.94	28.47
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.53	16.27	16.50	19.40	28.47
2417MHz	Pass	7.53	16.26	16.68	19.49	28.47
2437MHz	Pass	7.53	20.24	20.49	23.38	28.47
2457MHz	Pass	7.53	17.30	17.02	20.17	28.47
2462MHz	Pass	7.53	14.21	14.30	17.27	28.47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.53	13.17	13.72	16.46	28.47
2427MHz	Pass	7.53	15.89	16.08	19.00	28.47
2437MHz	Pass	7.53	15.32	15.62	18.48	28.47
2447MHz	Pass	7.53	15.64	15.89	18.78	28.47
2452MHz	Pass	7.53	15.04	15.20	18.13	28.47

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	22.24	0.16749
VHT40-BF_Nss1,(MCS0)_2TX	15.77	0.03776
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.30	0.16982
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.88	0.03873

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	13.39	12.57	16.01	27.99
2417MHz	Pass	8.01	14.44	13.91	17.19	27.99
2437MHz	Pass	8.01	19.47	18.97	22.24	27.99
2457MHz	Pass	8.01	14.63	13.85	17.27	27.99
2462MHz	Pass	8.01	13.68	12.40	16.10	27.99
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	11.57	10.56	14.10	27.99
2427MHz	Pass	8.01	11.41	10.37	13.93	27.99
2437MHz	Pass	8.01	12.86	11.75	15.35	27.99
2452MHz	Pass	8.01	12.63	11.64	15.17	27.99
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	13.78	12.98	16.41	27.99
2417MHz	Pass	8.01	14.73	13.96	17.37	27.99
2437MHz	Pass	8.01	19.42	19.15	22.30	27.99
2457MHz	Pass	8.01	14.72	14.11	17.44	27.99
2462MHz	Pass	8.01	13.81	12.85	16.37	27.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	11.67	10.92	14.32	27.99
2427MHz	Pass	8.01	11.47	10.57	14.05	27.99
2437MHz	Pass	8.01	12.80	12.12	15.48	27.99
2452MHz	Pass	8.01	13.07	11.93	15.55	27.99

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	21.28	0.13428
VHT40-BF_Nss1,(MCS0)_2TX	15.69	0.03707
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.44	0.13932
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.08	0.05105

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	12.49	12.02	15.27	25.19
2417MHz	Pass	10.81	14.44	13.91	17.19	25.19
2437MHz	Pass	10.81	18.42	18.11	21.28	25.19
2457MHz	Pass	10.81	14.16	13.85	17.02	25.19
2462MHz	Pass	10.81	12.60	11.89	15.27	25.19
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	10.75	9.98	13.39	25.19
2427MHz	Pass	10.81	11.53	10.14	13.90	25.19
2437MHz	Pass	10.81	12.89	12.46	15.69	25.19
2447MHz	Pass	10.81	11.38	11.01	14.21	25.19
2452MHz	Pass	10.81	12.63	11.67	15.19	25.19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	12.51	12.46	15.50	25.19
2417MHz	Pass	10.81	14.73	13.96	17.37	25.19
2437MHz	Pass	10.81	18.83	17.98	21.44	25.19
2457MHz	Pass	10.81	14.44	13.70	17.10	25.19
2462MHz	Pass	10.81	12.90	11.90	15.44	25.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	11.12	9.79	13.52	25.19
2427MHz	Pass	10.81	11.55	10.31	13.98	25.19
2437MHz	Pass	10.81	14.42	13.69	17.08	25.19
2447MHz	Pass	10.81	11.97	10.35	14.25	25.19
2452MHz	Pass	10.81	12.86	11.86	15.40	25.19

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	20.76	0.11912
VHT40-BF_Nss1,(MCS0)_2TX	17.21	0.05260
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.91	0.12331
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.47	0.05585

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	13.21	12.22	15.75	22.49
2417MHz	Pass	13.51	14.44	13.91	17.19	22.49
2437MHz	Pass	13.51	17.86	17.64	20.76	22.49
2457MHz	Pass	13.51	12.84	12.53	15.70	22.49
2462MHz	Pass	13.51	12.38	11.77	15.10	22.49
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	11.91	11.76	14.85	22.49
2427MHz	Pass	13.51	13.25	12.45	15.88	22.49
2437MHz	Pass	13.51	14.52	13.85	17.21	22.49
2447MHz	Pass	13.51	13.16	12.31	15.77	22.49
2452MHz	Pass	13.51	12.63	11.67	15.19	22.49
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	13.12	12.41	15.79	22.49
2417MHz	Pass	13.51	14.73	13.96	17.37	22.49
2437MHz	Pass	13.51	18.12	17.67	20.91	22.49
2457MHz	Pass	13.51	13.17	12.61	15.91	22.49
2462MHz	Pass	13.51	12.61	11.76	15.22	22.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	13.05	11.80	15.48	22.49
2427MHz	Pass	13.51	13.32	12.47	15.93	22.49
2437MHz	Pass	13.51	14.71	14.19	17.47	22.49
2447MHz	Pass	13.51	13.15	12.58	15.88	22.49
2452MHz	Pass	13.51	12.86	11.86	15.40	22.49

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	1.51
802.11g_Nss1,(6Mbps)_1TX	-4.05
VHT20_Nss1,(MCS0)_1TX	-4.71
VHT40_Nss1,(MCS0)_1TX	-9.85
802.11ax HEW20_Nss1,(MCS0)_1TX	-5.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-11.00

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

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	0.75	0.75	8.00
2437MHz_TnomVnom	Pass	4.50	1.51	1.51	8.00
2462MHz_TnomVnom	Pass	4.50	1.15	1.15	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	-8.13	-8.13	8.00
2437MHz_TnomVnom	Pass	4.50	-4.05	-4.05	8.00
2462MHz_TnomVnom	Pass	4.50	-9.03	-9.03	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	-8.52	-8.52	8.00
2437MHz_TnomVnom	Pass	4.50	-4.71	-4.71	8.00
2462MHz_TnomVnom	Pass	4.50	-11.28	-11.28	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.50	-11.56	-11.56	8.00
2437MHz_TnomVnom	Pass	4.50	-9.85	-9.85	8.00
2452MHz_TnomVnom	Pass	4.50	-11.80	-11.80	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.50	-7.67	-7.67	8.00
2437MHz_TnomVnom	Pass	4.50	-5.75	-5.75	8.00
2462MHz_TnomVnom	Pass	4.50	-9.65	-9.65	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.50	-12.71	-12.71	8.00
2437MHz_TnomVnom	Pass	4.50	-11.00	-11.00	8.00
2452MHz_TnomVnom	Pass	4.50	-12.17	-12.17	8.00

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

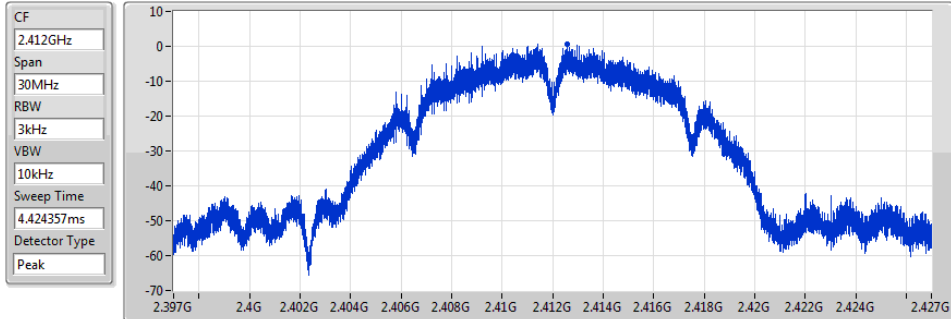
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

08/11/2019



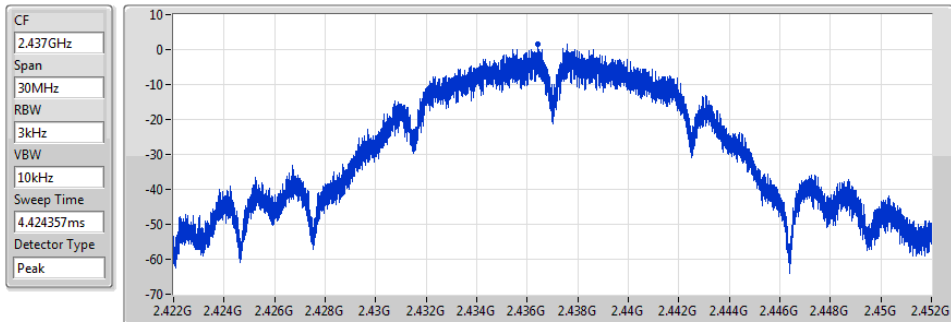
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	0.75

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

08/11/2019



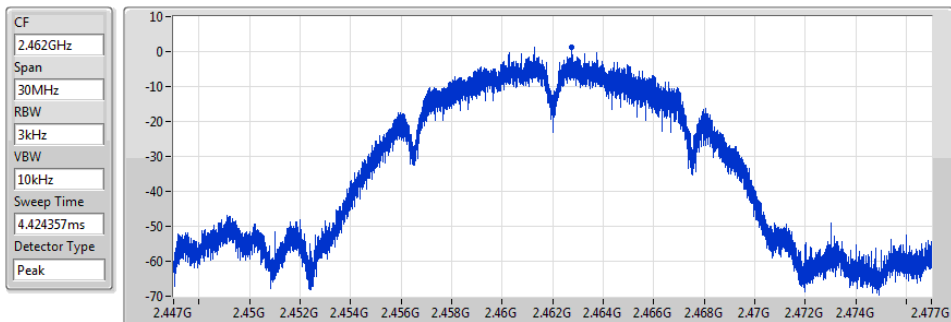
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	1.51

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

08/11/2019



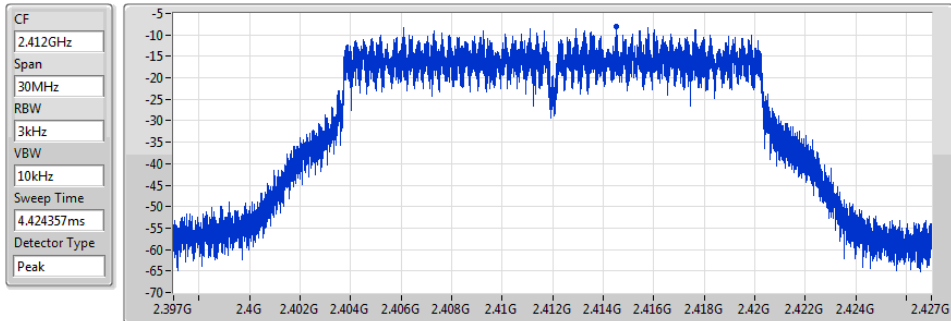
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	1.15

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

08/11/2019



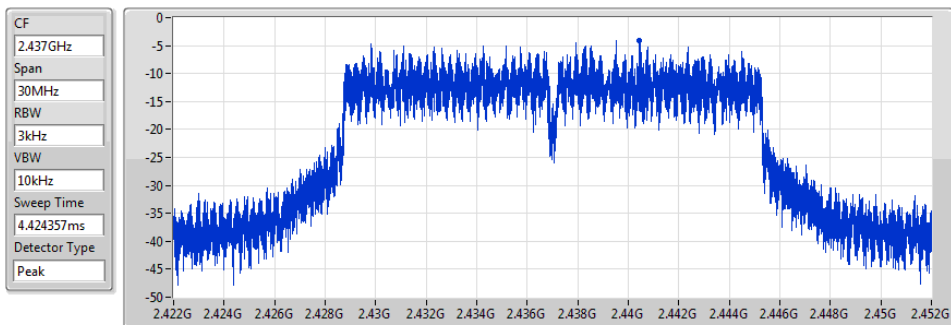
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.13	-8.13	-8.13

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

08/11/2019



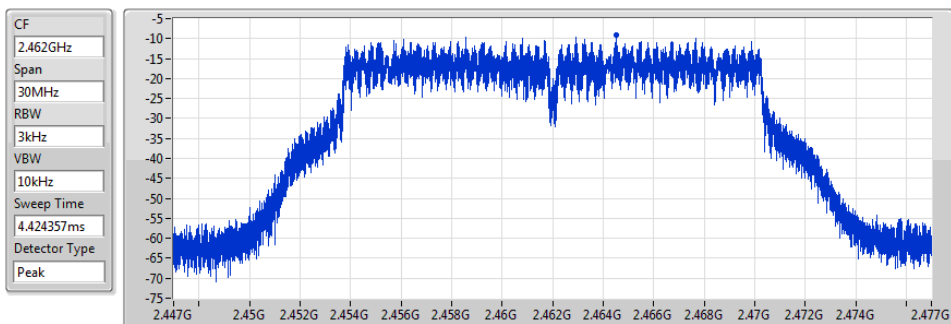
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.05	-4.05	-4.05

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

08/11/2019



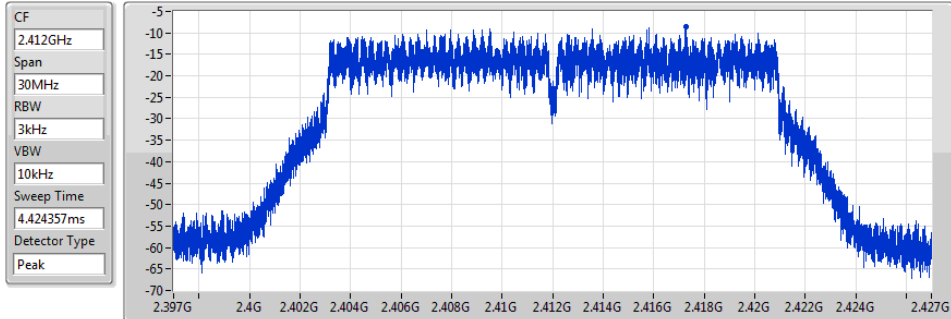
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.03	-9.03	-9.03

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

08/11/2019



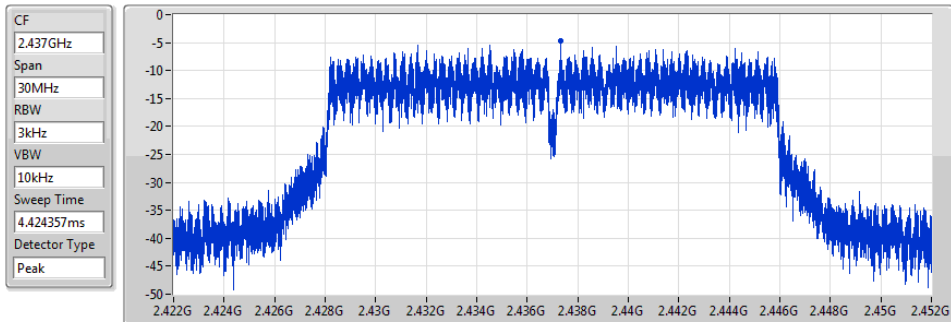
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.52	-8.52	-8.52

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



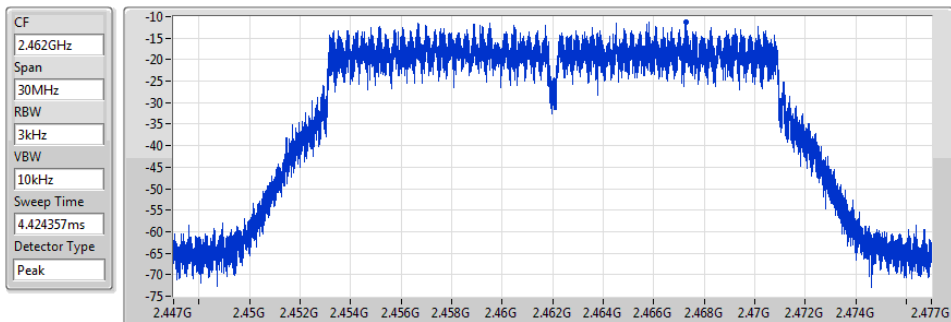
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.71	-4.71	-4.71

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

08/11/2019



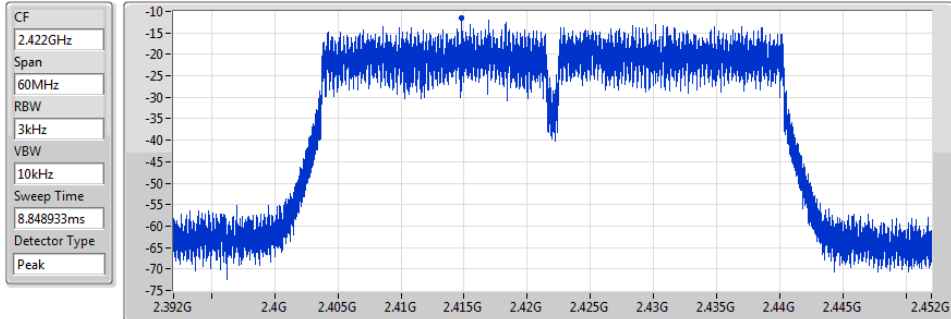
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-11.28

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

08/11/2019



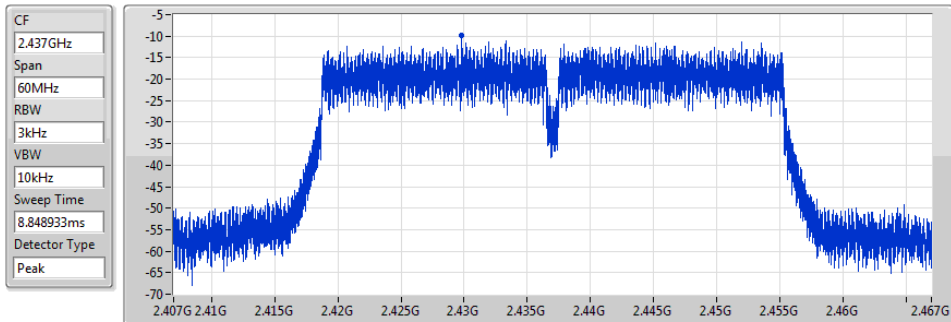
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.56	-11.56	-11.56

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



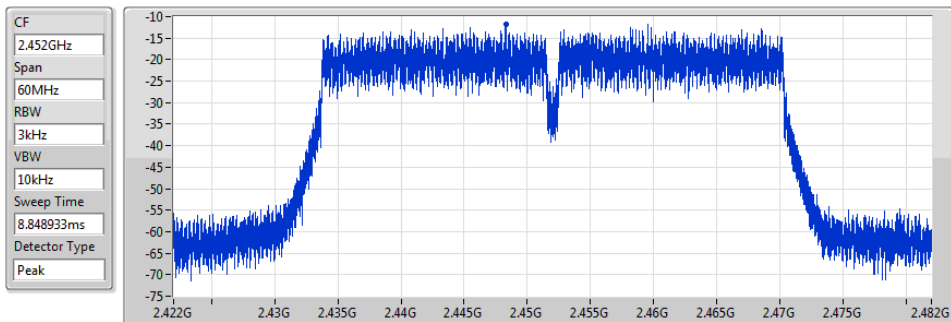
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.85	-9.85	-9.85

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

08/11/2019



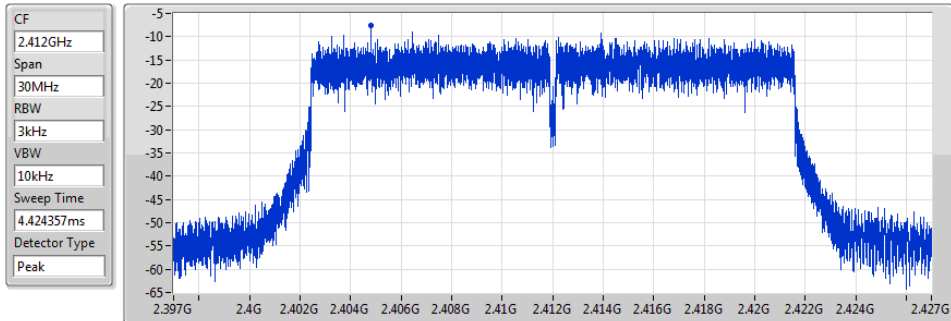
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.80	-11.80	-11.80

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

08/11/2019



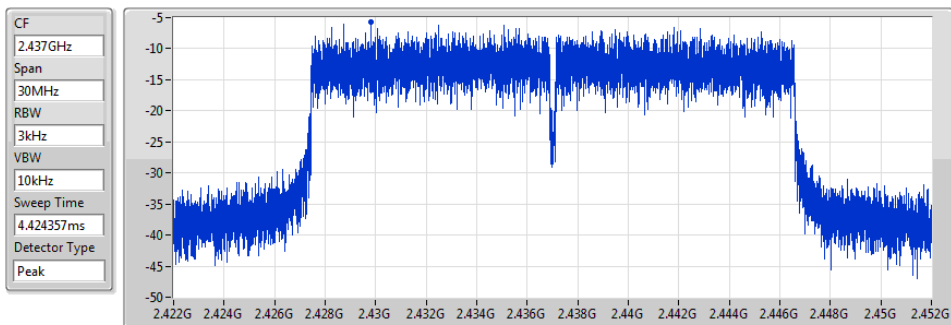
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.67	-7.67	-7.67

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



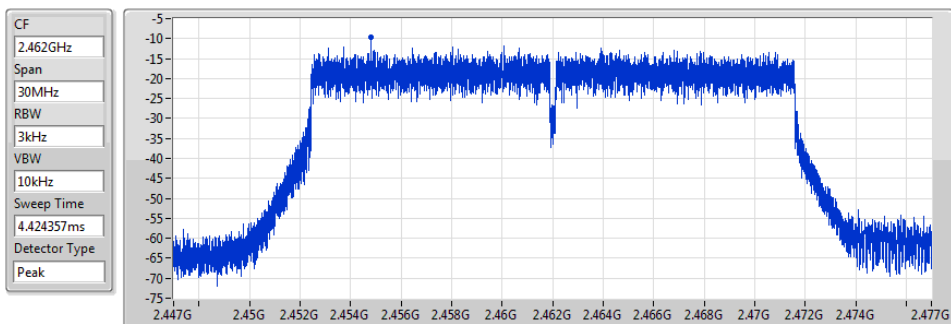
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.75	-5.75	-5.75

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

08/11/2019



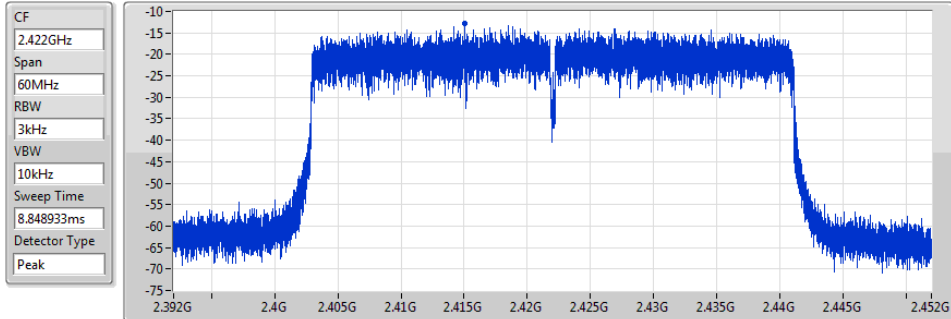
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.65	-9.65	-9.65

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

08/11/2019



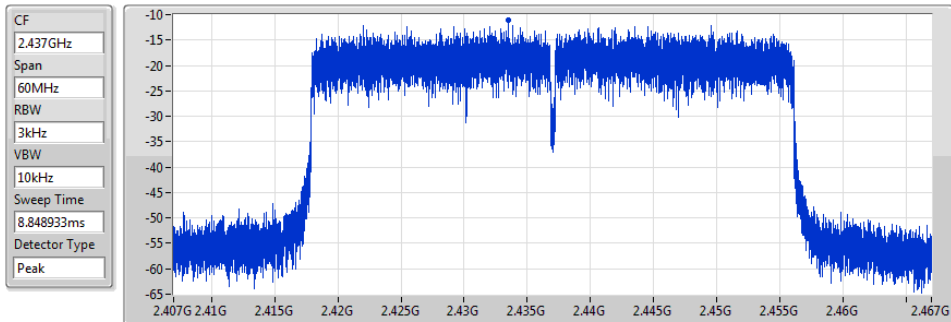
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.71	-12.71	-12.71

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



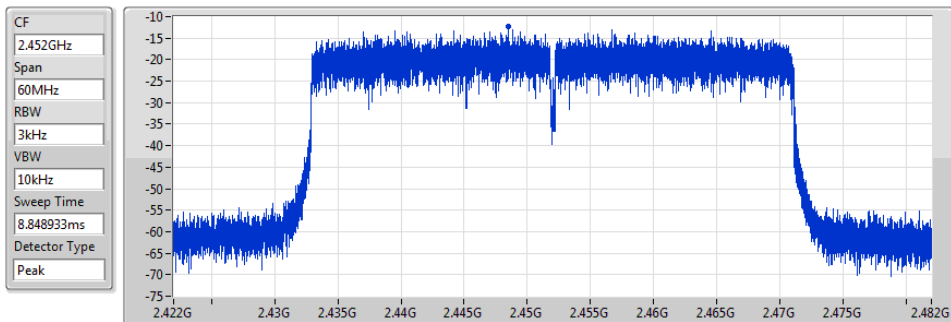
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.00	-11.00	-11.00

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

08/11/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.17	-12.17	-12.17



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	1.99
802.11g_Nss1,(6Mbps)_2TX	-1.69
VHT20_Nss2,(MCS0)_2TX	-4.06
VHT40_Nss2,(MCS0)_2TX	-10.40
802.11ax HEW20_Nss2,(MCS0)_2TX	-4.14
802.11ax HEW40_Nss2,(MCS0)_2TX	-11.32

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.53	-0.71	-1.10	1.30	6.47
2437MHz_TnomVnom	Pass	7.53	-1.07	-0.26	1.99	6.47
2462MHz_TnomVnom	Pass	7.53	-1.75	-0.81	-0.13	6.47
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.53	-7.14	-7.76	-4.56	6.47
2437MHz_TnomVnom	Pass	7.53	-4.32	-4.37	-1.69	6.47
2462MHz_TnomVnom	Pass	7.53	-9.73	-9.74	-7.01	6.47
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.52	-7.83	-8.34	-6.91	8.00
2437MHz_TnomVnom	Pass	4.52	-5.25	-5.44	-4.06	8.00
2462MHz_TnomVnom	Pass	4.52	-8.50	-8.26	-7.08	8.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.52	-12.86	-13.18	-11.98	8.00
2437MHz_TnomVnom	Pass	4.52	-11.11	-11.41	-10.67	8.00
2452MHz_TnomVnom	Pass	4.52	-11.85	-12.21	-10.40	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.52	-9.24	-9.17	-6.65	8.00
2437MHz_TnomVnom	Pass	4.52	-6.15	-6.77	-4.14	8.00
2462MHz_TnomVnom	Pass	4.52	-9.29	-9.85	-7.33	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.52	-13.88	-13.77	-12.63	8.00
2437MHz_TnomVnom	Pass	4.52	-12.38	-13.22	-11.32	8.00
2452MHz_TnomVnom	Pass	4.52	-12.89	-13.42	-11.79	8.00

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

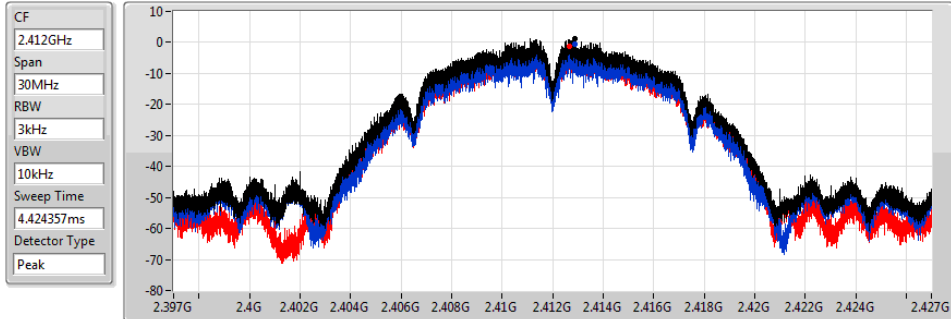
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

08/11/2019



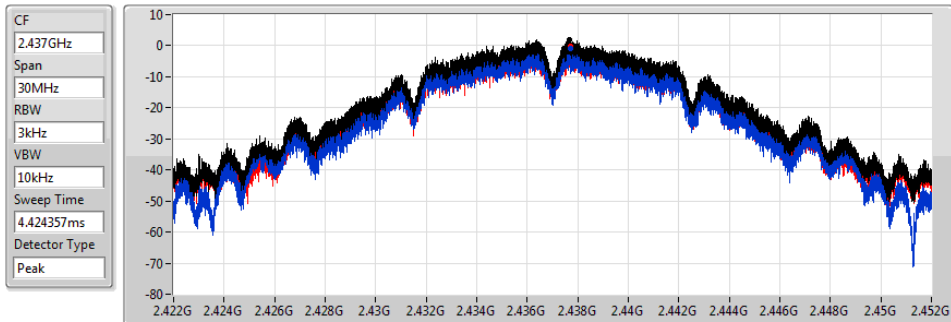
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.30	1.30	-0.71	-1.10

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

08/11/2019



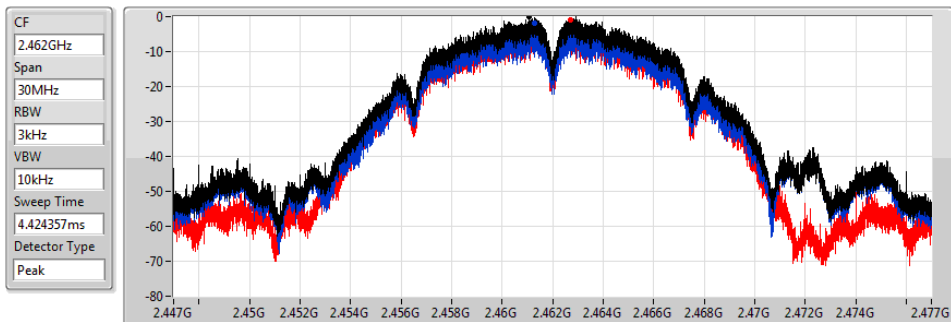
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.99	1.99	-1.07	-0.26

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

08/11/2019



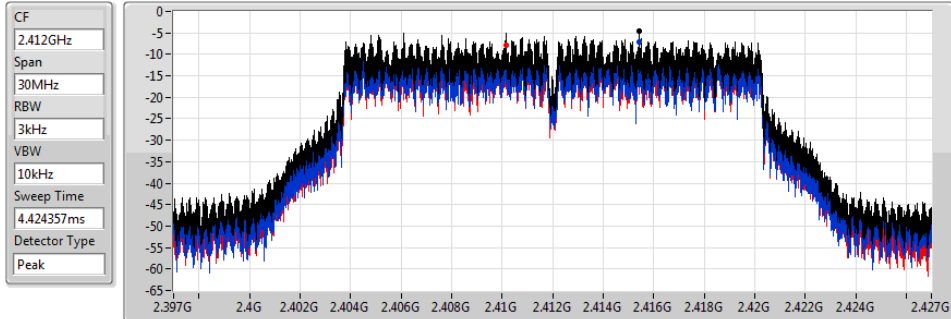
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.13	-0.13	-1.75	-0.81

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

08/11/2019



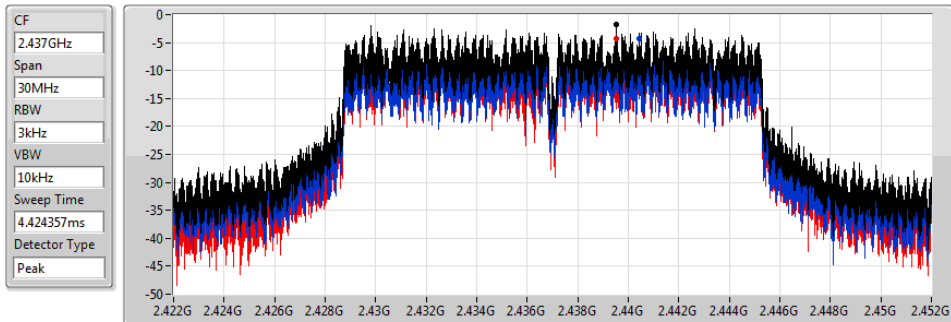
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-4.56	-4.56	-7.14	-7.76

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

08/11/2019



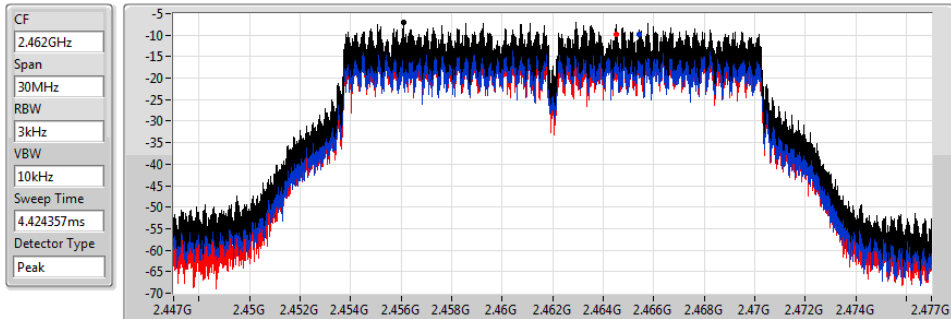
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-1.69	-1.69	-4.32	-4.37

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

08/11/2019



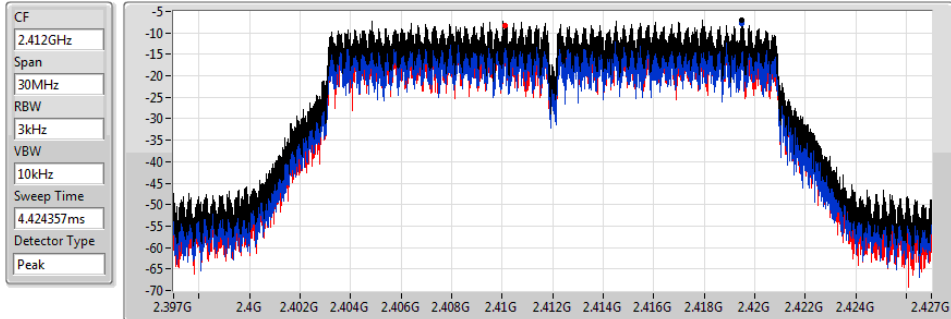
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-7.01	-7.01	-9.73	-9.74

VHT20_Nss2,(MCS0)_2TX

2412MHz

PSD

08/11/2019



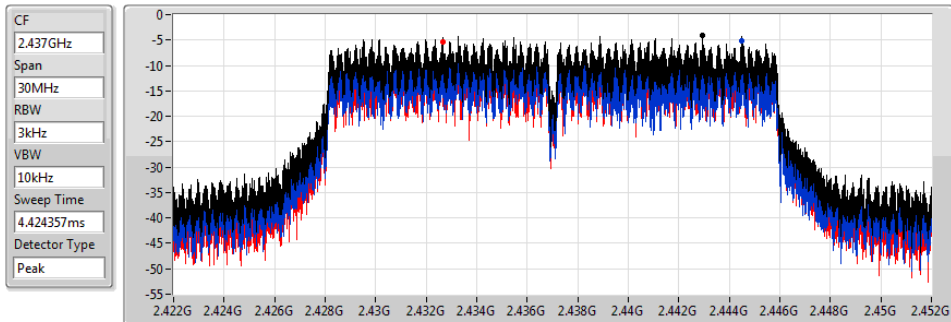
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-7.83	-8.34

VHT20_Nss2,(MCS0)_2TX

2437MHz

PSD

08/11/2019



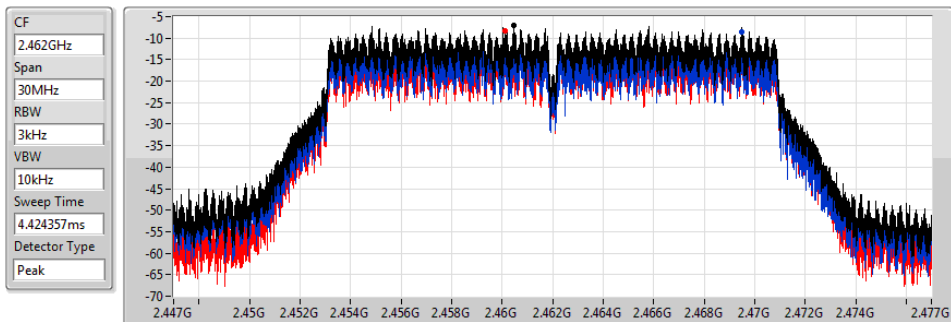
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.06	-4.06	-5.25	-5.44

VHT20_Nss2,(MCS0)_2TX

2462MHz

PSD

08/11/2019



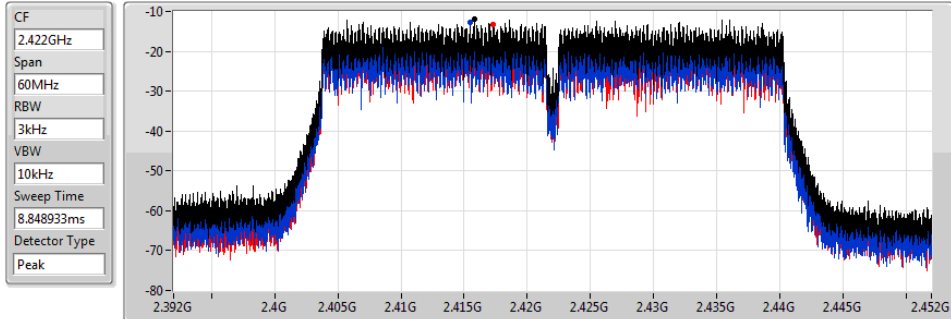
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.08	-7.08	-8.50	-8.26

VHT40_Nss2,(MCS0)_2TX

2422MHz

PSD

08/11/2019



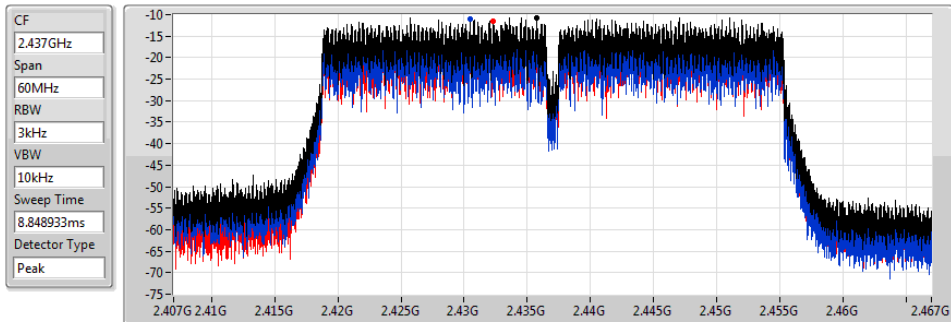
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.98	-11.98	-12.86	-13.18

VHT40_Nss2,(MCS0)_2TX

2437MHz

PSD

08/11/2019



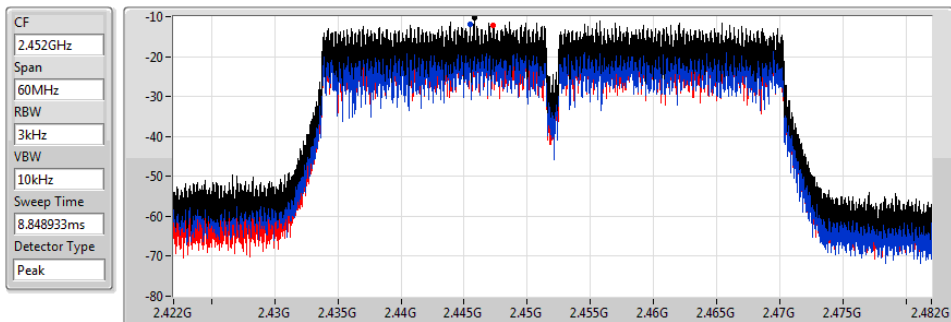
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.67	-10.67	-11.11	-11.41

VHT40_Nss2,(MCS0)_2TX

2452MHz

PSD

08/11/2019



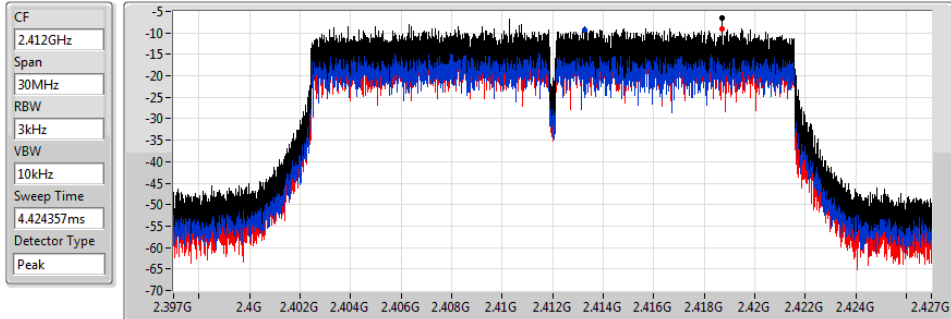
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.40	-10.40	-11.85	-12.21

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

08/11/2019



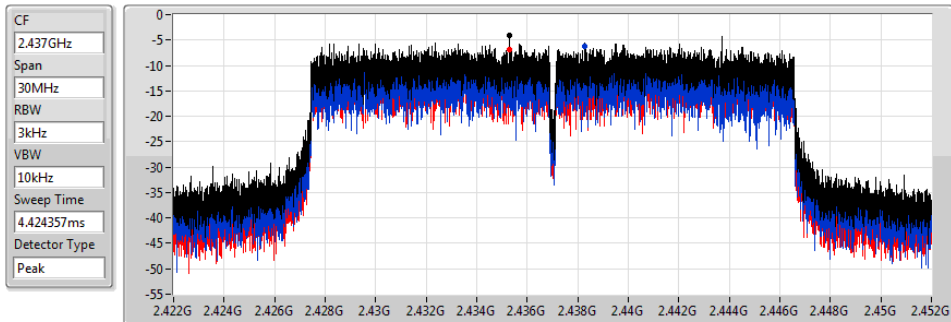
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.65	-6.65	-9.24	-9.17

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

08/11/2019



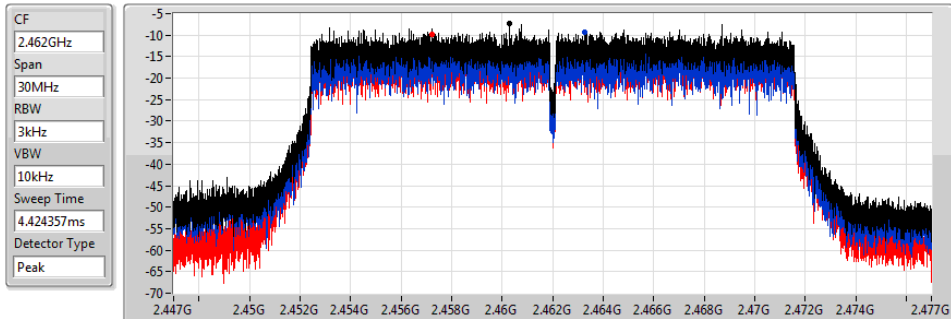
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.14	-4.14	-6.15	-6.77

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

08/11/2019



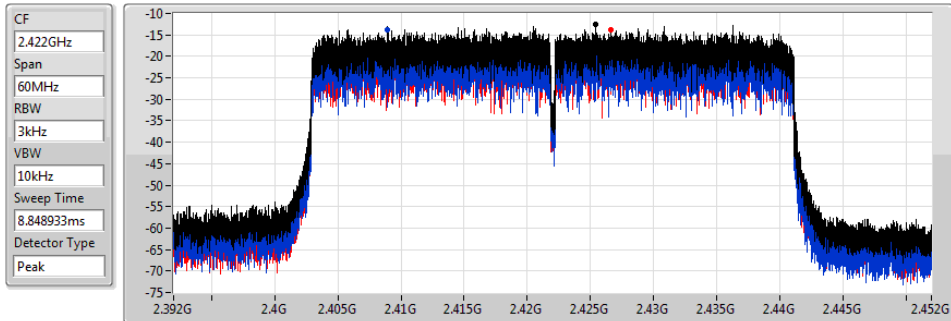
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.33	-7.33	-9.29	-9.85

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

08/11/2019



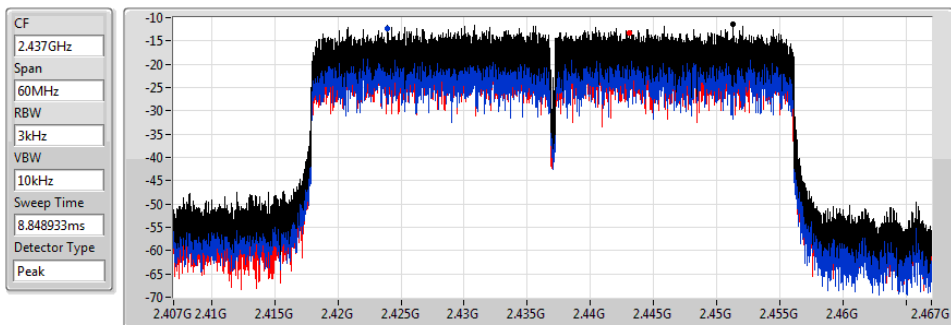
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.63	-12.63	-13.88	-13.77

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

08/11/2019



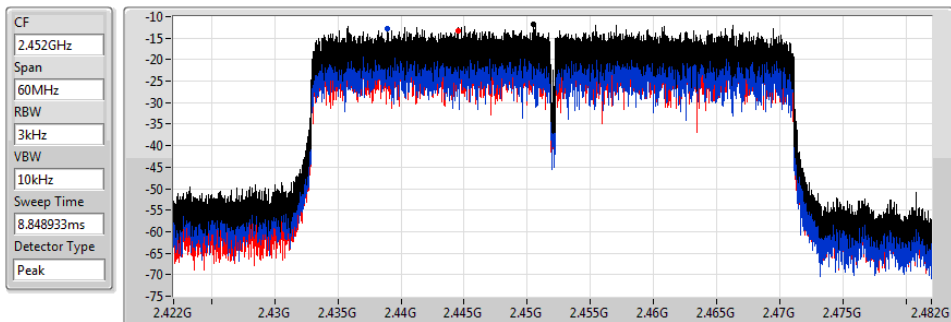
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.32	-11.32	-12.38	-13.22

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

08/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.79	-11.79	-12.89	-13.42



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-1.77
802.11g_Nss1,(6Mbps)_1TX	-4.53
VHT20_Nss1,(MCS0)_1TX	-5.45
VHT40_Nss1,(MCS0)_1TX	-10.50
802.11ax HEW20_Nss1,(MCS0)_1TX	-4.49
802.11ax HEW40_Nss1,(MCS0)_1TX	-11.55

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-1.77	-1.77	8.00
2437MHz	Pass	5.00	-1.82	-1.82	8.00
2462MHz	Pass	5.00	-2.66	-2.66	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-9.17	-9.17	8.00
2437MHz	Pass	5.00	-4.53	-4.53	8.00
2462MHz	Pass	5.00	-10.05	-10.05	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-9.48	-9.48	8.00
2437MHz	Pass	5.00	-5.45	-5.45	8.00
2462MHz	Pass	5.00	-9.56	-9.56	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	-12.28	-12.28	8.00
2437MHz	Pass	5.00	-10.50	-10.50	8.00
2452MHz	Pass	5.00	-13.09	-13.09	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.00	-10.24	-10.24	8.00
2437MHz	Pass	5.00	-4.49	-4.49	8.00
2462MHz	Pass	5.00	-8.55	-8.55	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.00	-12.76	-12.76	8.00
2437MHz	Pass	5.00	-11.55	-11.55	8.00
2452MHz	Pass	5.00	-12.38	-12.38	8.00

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

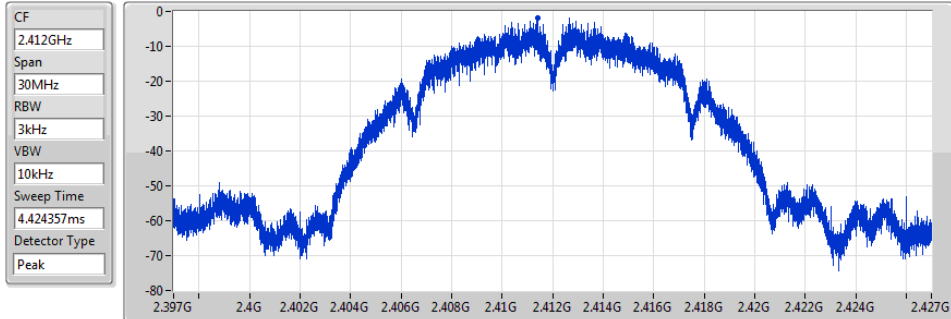
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

11/11/2019



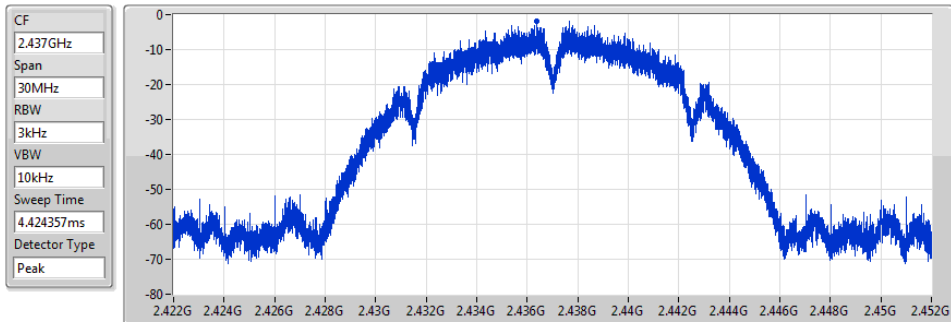
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.77	-1.77	-1.77

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

11/11/2019



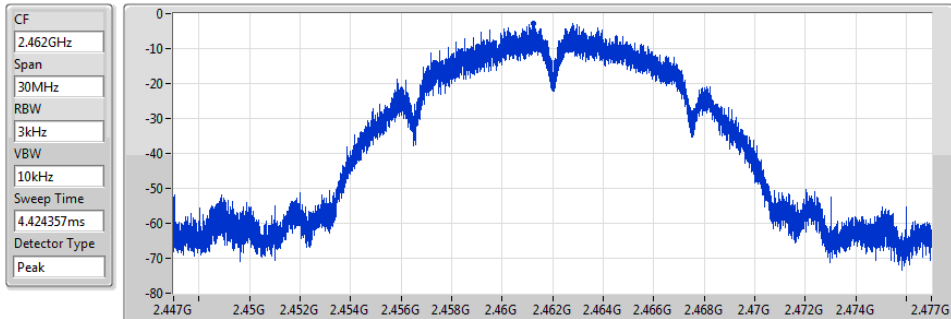
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.82	-1.82	-1.82

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

11/11/2019



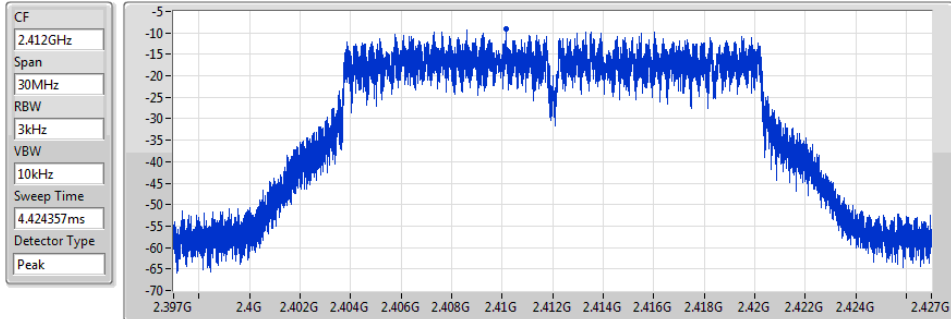
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.66	-2.66	-2.66

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

11/11/2019



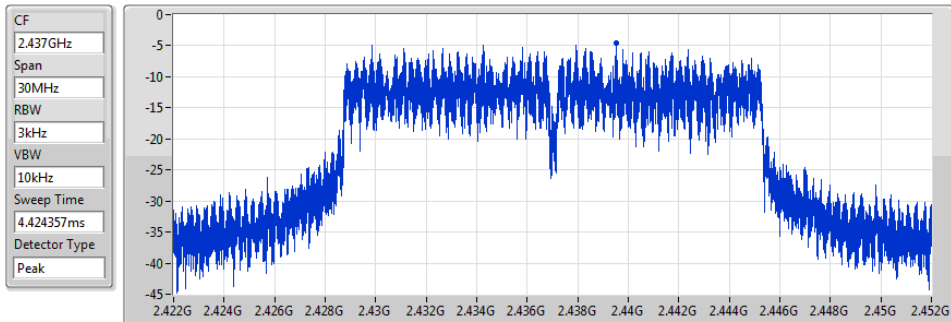
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.17	-9.17	-9.17

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

11/11/2019



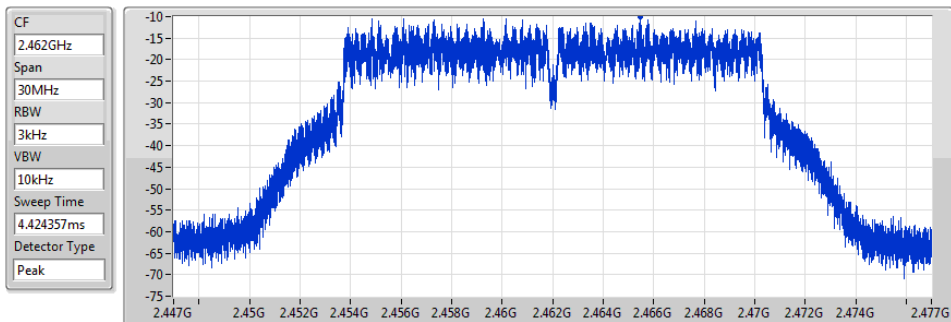
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.53	-4.53	-4.53

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

11/11/2019



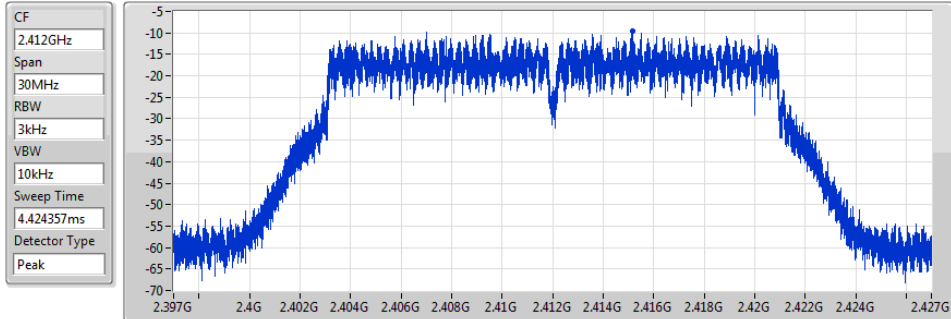
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.05	-10.05	-10.05

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



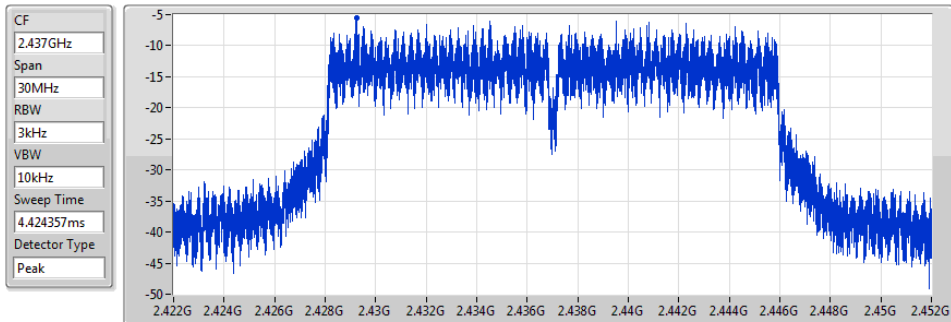
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.48	-9.48	-9.48

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



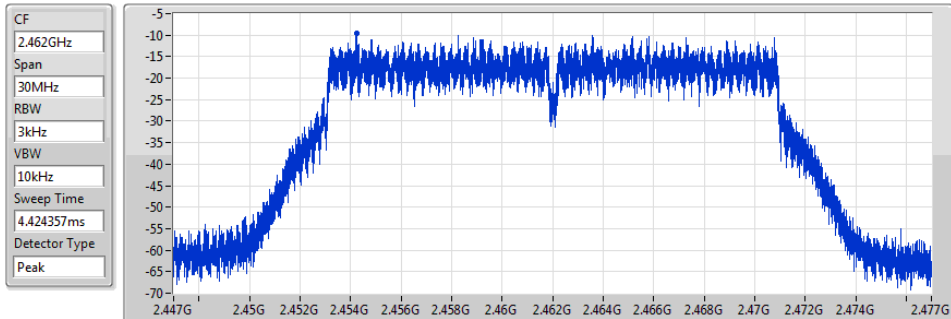
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.45	-5.45	-5.45

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



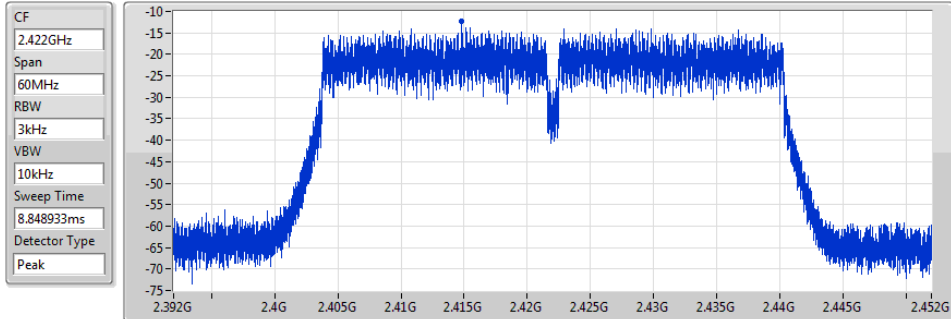
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.56	-9.56	-9.56

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



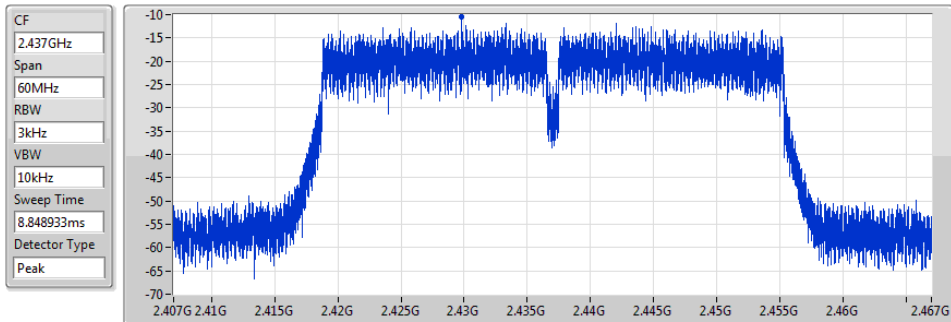
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.28	-12.28	-12.28

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



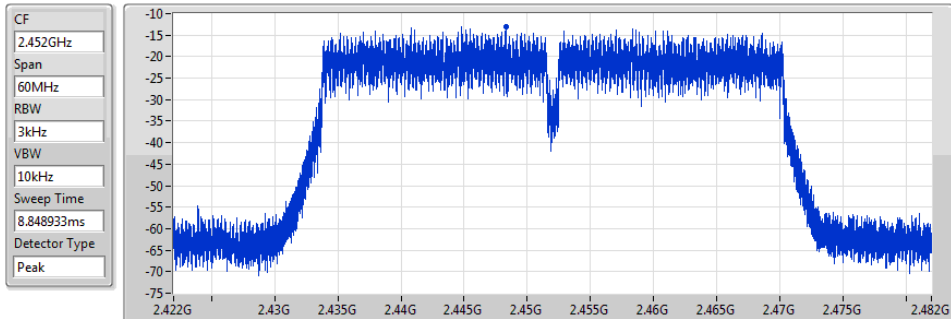
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.50	-10.50	-10.50

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



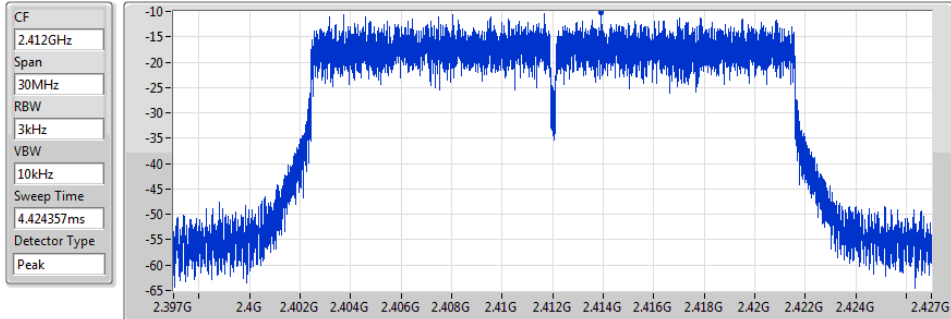
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.09	-13.09	-13.09

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



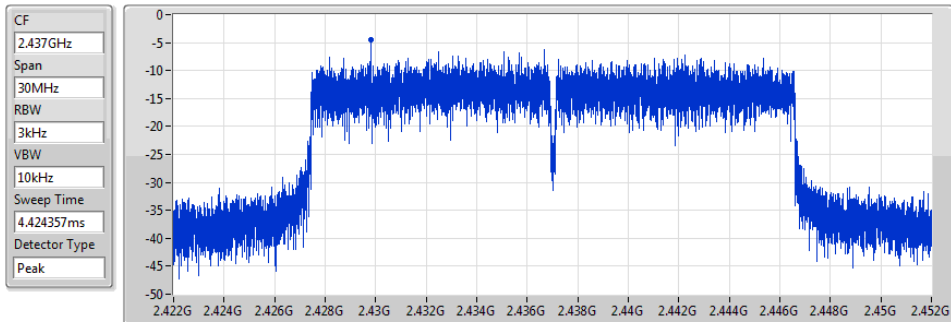
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.24	-10.24	-10.24

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



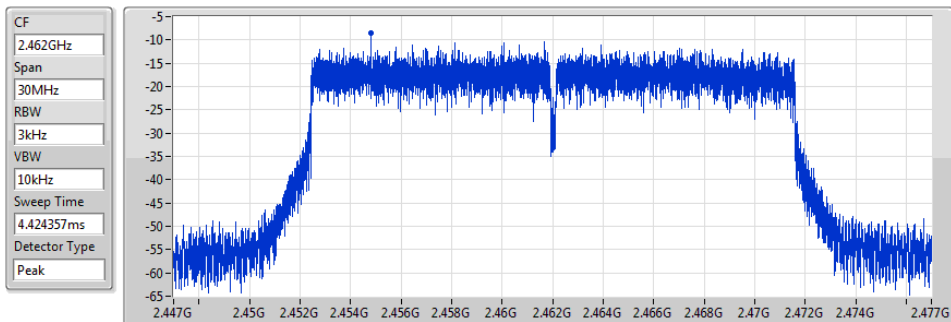
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.49	-4.49	-4.49

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



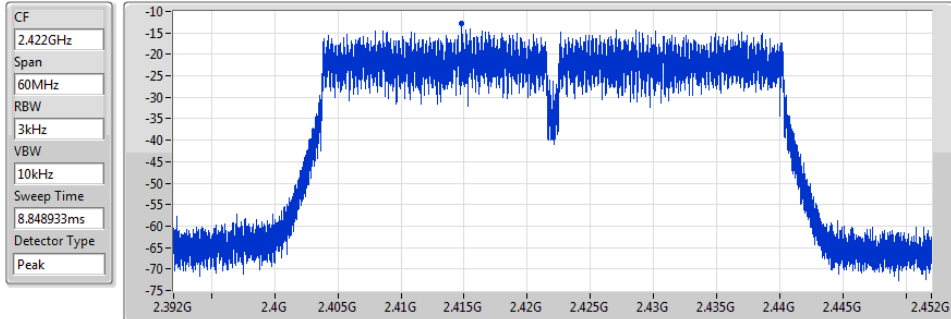
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.55	-8.55	-8.55

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



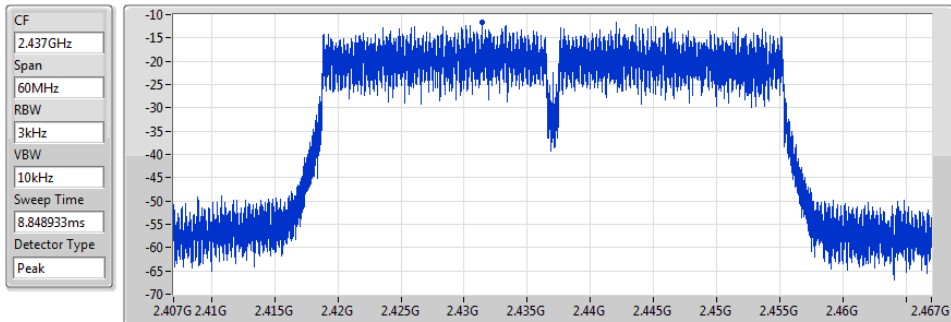
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.76	-12.76	-12.76

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



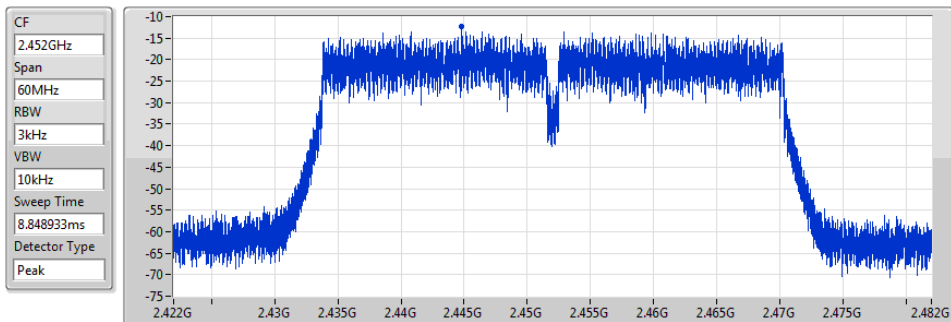
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.55	-11.55	-11.55

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.38	-12.38	-12.38



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-1.25
802.11g_Nss1,(6Mbps)_2TX	-2.66
VHT20_Nss2,(MCS0)_2TX	-6.19
VHT40_Nss2,(MCS0)_2TX	-12.85
802.11ax HEW20_Nss2,(MCS0)_2TX	-5.71
802.11ax HEW40_Nss2,(MCS0)_2TX	-13.26

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-3.79	-4.36	-2.13	5.99
2437MHz	Pass	8.01	-2.84	-3.47	-1.25	5.99
2462MHz	Pass	8.01	-4.74	-3.91	-2.54	5.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-10.90	-11.58	-8.22	5.99
2437MHz	Pass	8.01	-6.12	-5.26	-2.66	5.99
2462MHz	Pass	8.01	-10.87	-10.56	-8.21	5.99
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	-11.40	-12.26	-10.05	8.00
2437MHz	Pass	5.00	-7.17	-7.02	-6.19	8.00
2462MHz	Pass	5.00	-10.92	-11.50	-9.54	8.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	-15.14	-15.54	-14.29	8.00
2437MHz	Pass	5.00	-13.72	-13.73	-12.85	8.00
2452MHz	Pass	5.00	-14.49	-14.91	-13.91	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	-12.04	-13.22	-9.61	8.00
2437MHz	Pass	5.00	-8.25	-7.98	-5.71	8.00
2462MHz	Pass	5.00	-12.12	-12.07	-9.22	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	-16.58	-16.61	-14.76	8.00
2437MHz	Pass	5.00	-14.81	-15.08	-13.26	8.00
2452MHz	Pass	5.00	-15.30	-15.78	-14.69	8.00

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

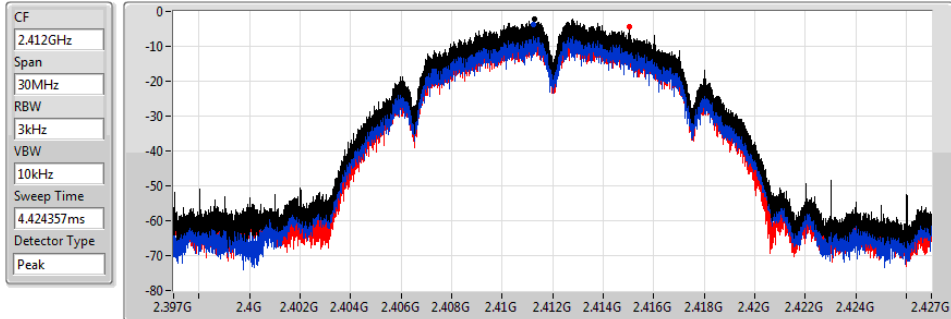
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

2412MHz

PSD

11/11/2019



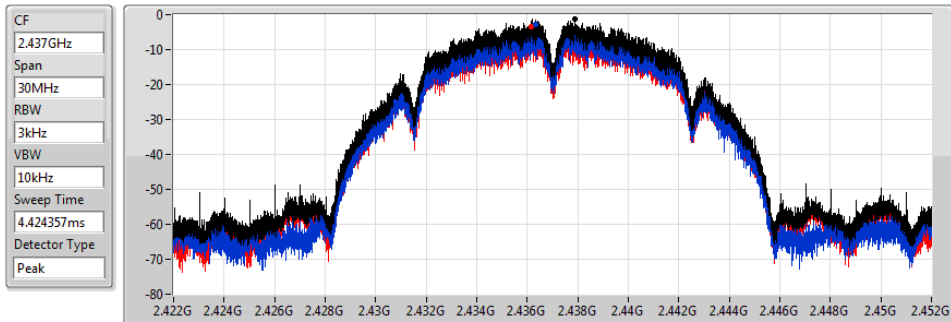
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.13	-2.13	-3.79	-4.36

802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

11/11/2019



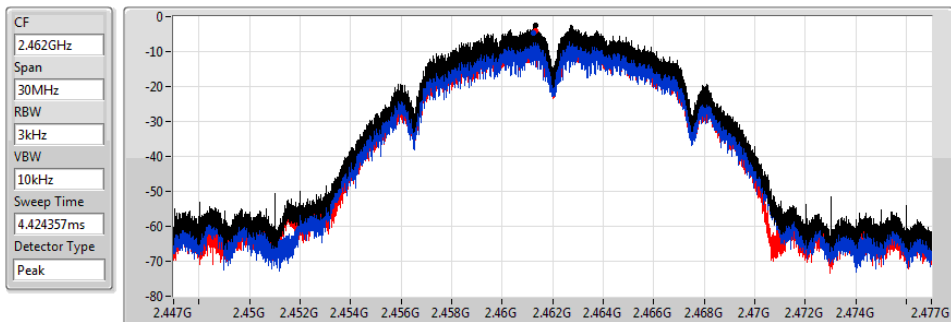
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.25	-1.25	-2.84	-3.47

802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

11/11/2019



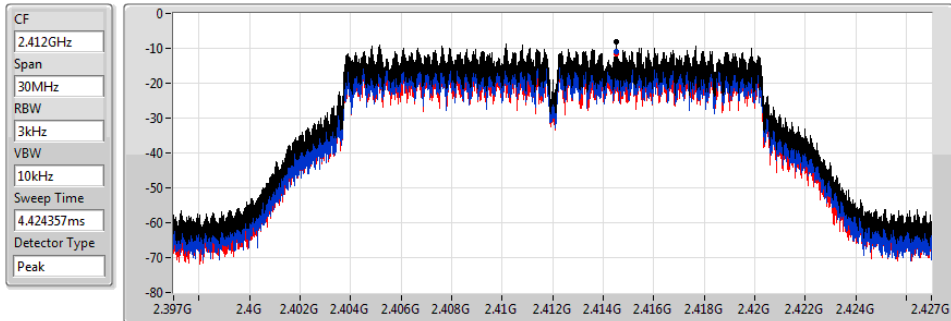
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.54	-2.54	-4.74	-3.91

802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

11/11/2019



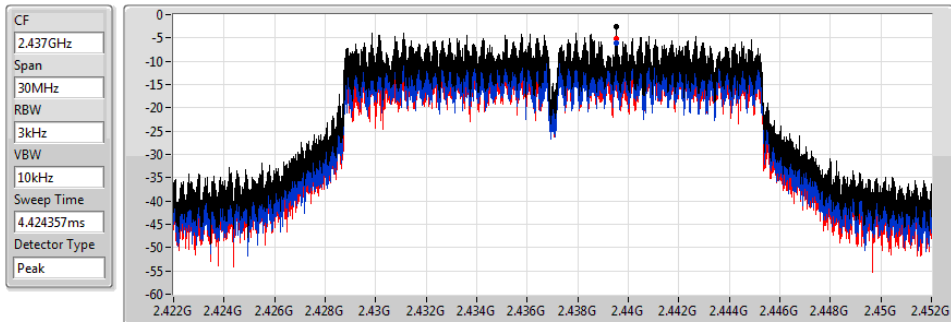
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.22	-8.22	-10.90	-11.58

802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

11/11/2019



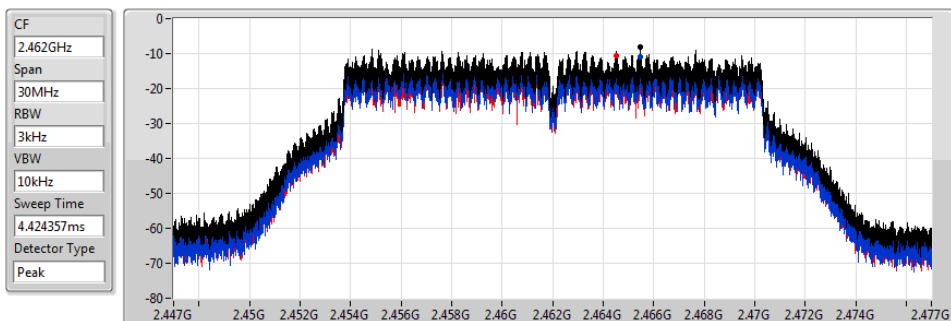
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.66	-2.66	-6.12	-5.26

802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

11/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.21	-8.21	-10.87	-10.56