



Non-beamforming mode

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)_4TX	8.5M	12.789M	12M8G1D	7.55M	12.489M
802.11g_Nss1,(6Mbps)_4TX	16.325M	16.998M	17M0D1D	15.675M	16.58M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.675M	19.165M	19M2D1D	16.45M	18.866M
802.11ax HEW40_Nss1,(MCS0)_4TX	37M	37.731M	37M7D1D	33.75M	37.531M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.789M	8.025M	12.639M	8.5M	12.669M	8.025M	12.684M
2437MHz	Pass	500k	8.05M	12.744M	7.55M	12.639M	8.05M	12.729M	8.025M	12.669M
2462MHz	Pass	500k	8.05M	12.624M	8.05M	12.654M	8.025M	12.519M	7.55M	12.489M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16M	16.756M	16.275M	16.646M	16.3M	16.646M	16.275M	16.58M
2437MHz	Pass	500k	16.275M	16.866M	16.325M	16.8M	15.675M	16.998M	16.275M	16.888M
2462MHz	Pass	500k	15.775M	16.646M	16.3M	16.646M	16.275M	16.646M	16.275M	16.624M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.5M	18.891M	18.275M	18.866M	18.675M	18.866M	18.25M	18.866M
2437MHz	Pass	500k	18.325M	19.09M	17.9M	19.09M	17.4M	19.165M	18.575M	19.115M
2462MHz	Pass	500k	17.325M	18.991M	18.625M	19.015M	18.55M	18.991M	16.45M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	34.05M	37.581M	33.75M	37.581M	35.05M	37.581M	35.05M	37.581M
2437MHz	Pass	500k	35.4M	37.731M	35.1M	37.731M	33.85M	37.731M	36.35M	37.731M
2452MHz	Pass	500k	35.65M	37.731M	37M	37.631M	36.35M	37.681M	35.1M	37.531M

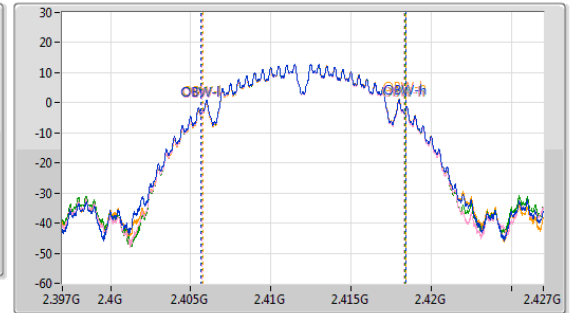
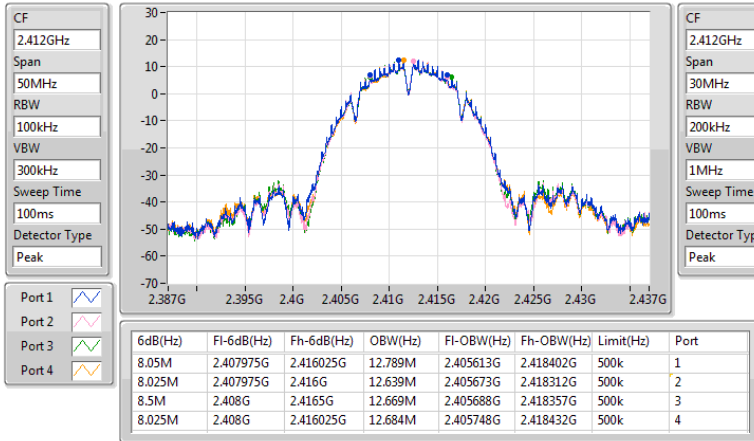
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

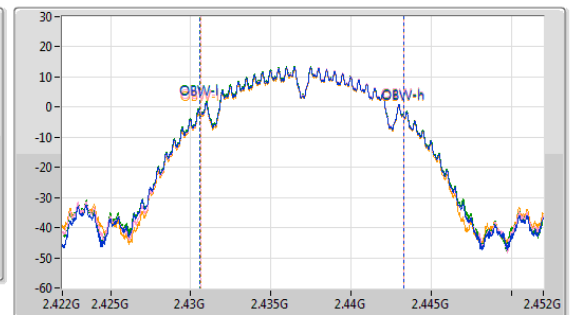
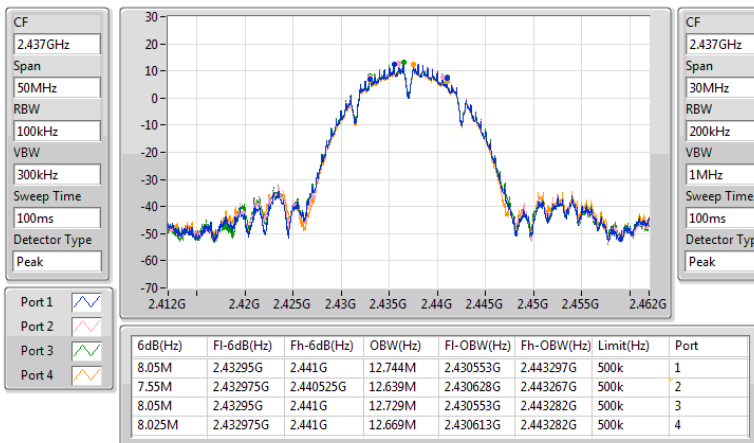
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2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

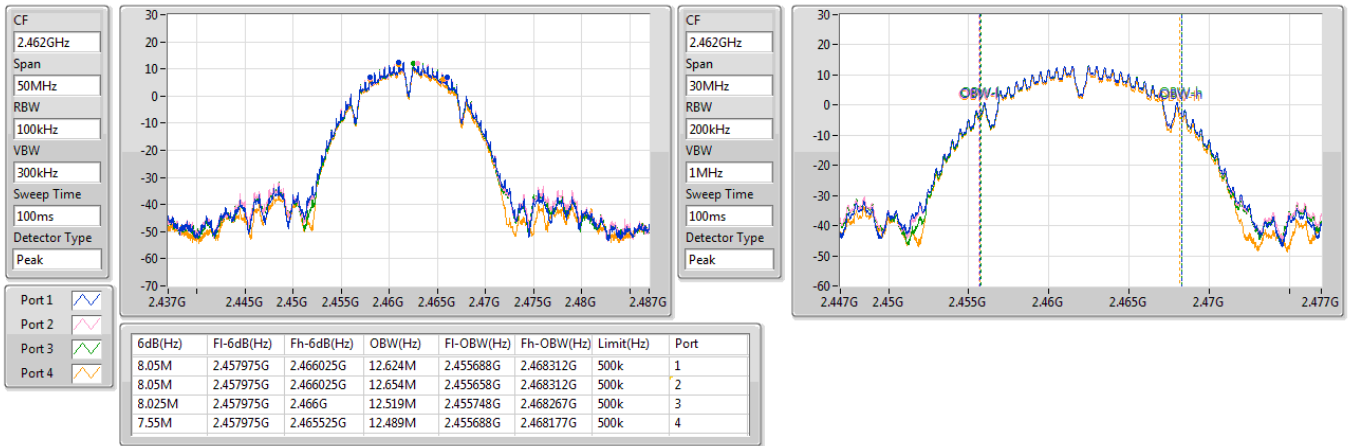




2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

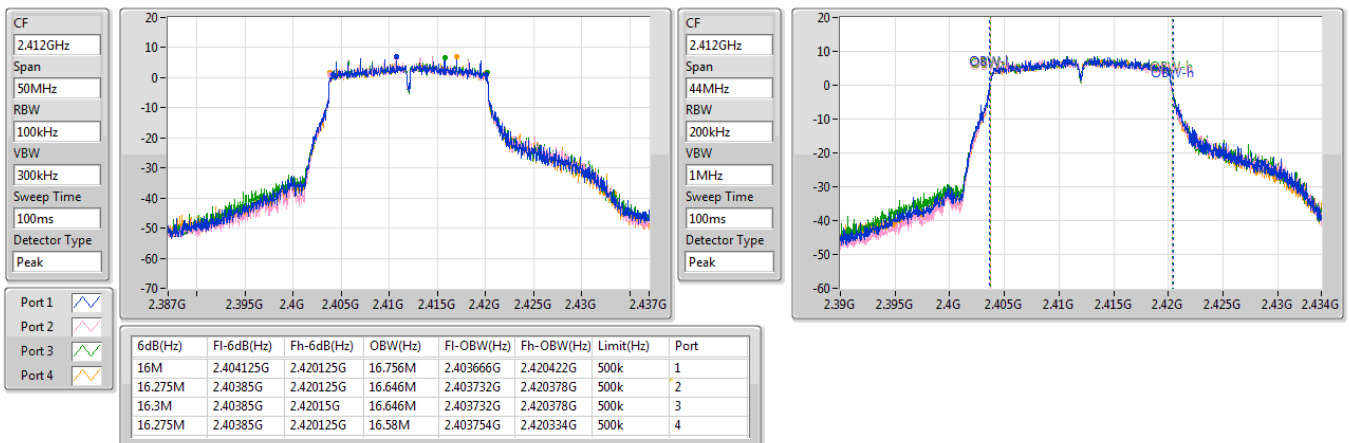
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2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

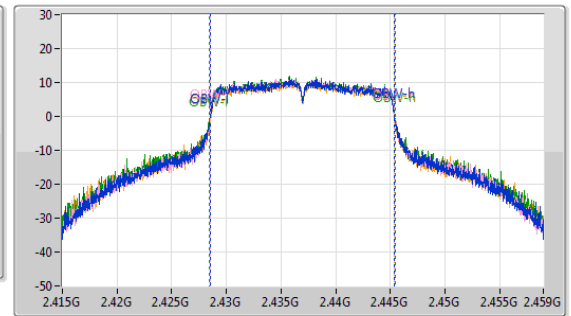
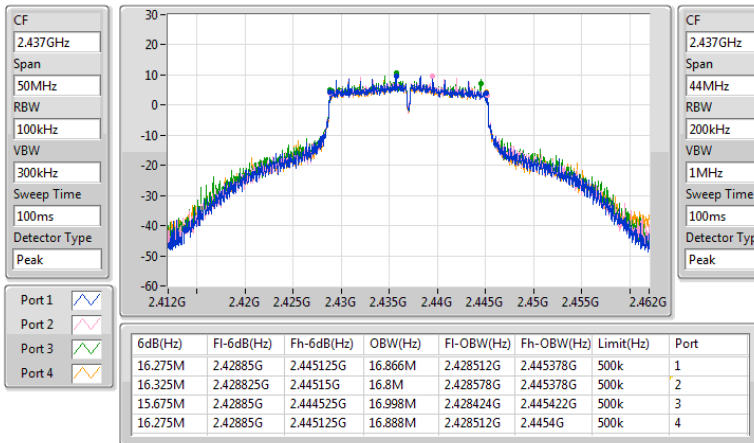




2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

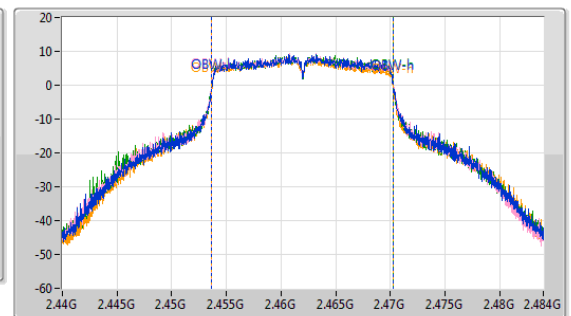
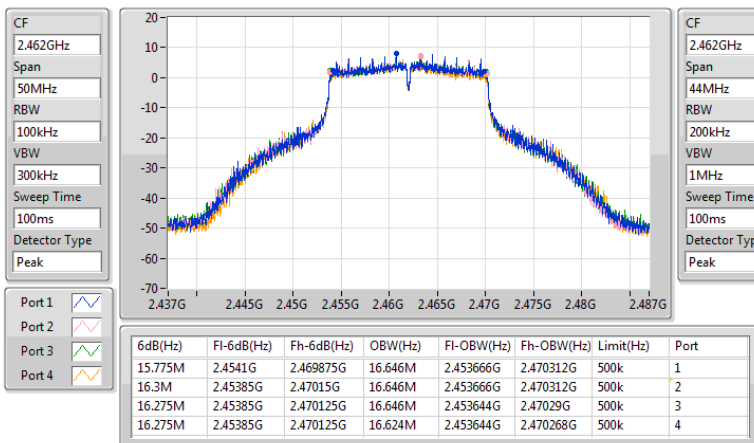
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2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

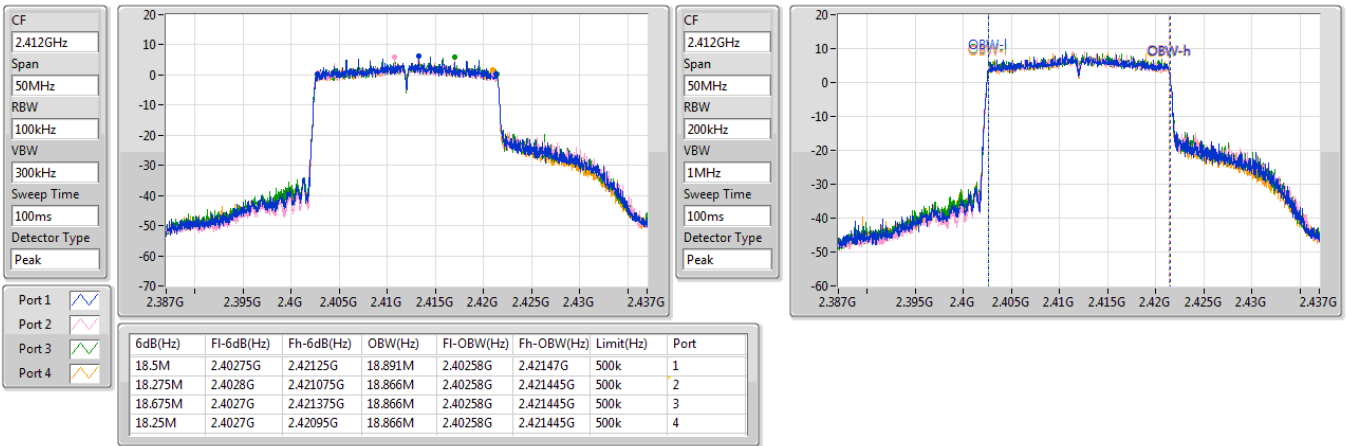




2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

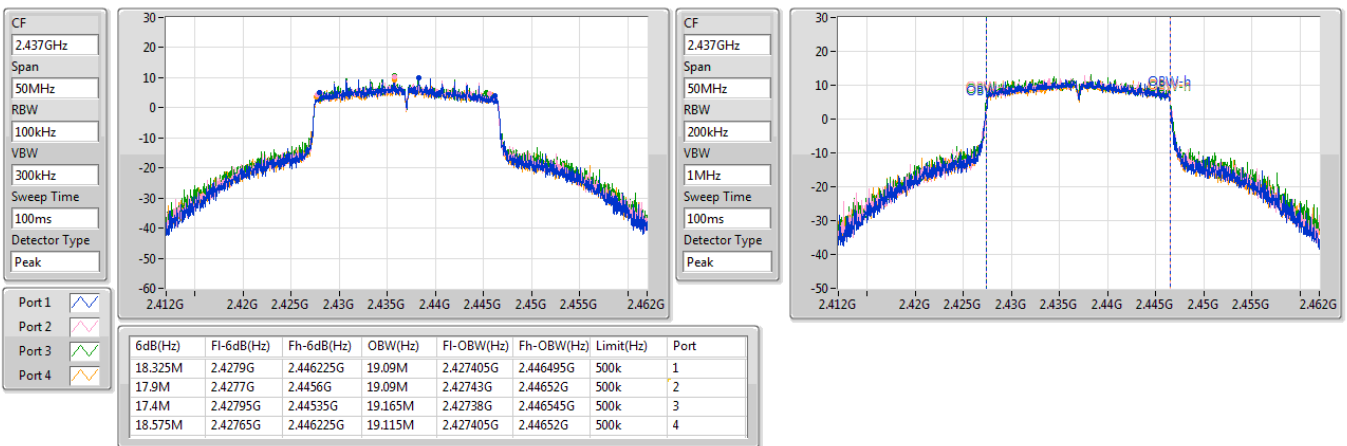
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2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2437MHz

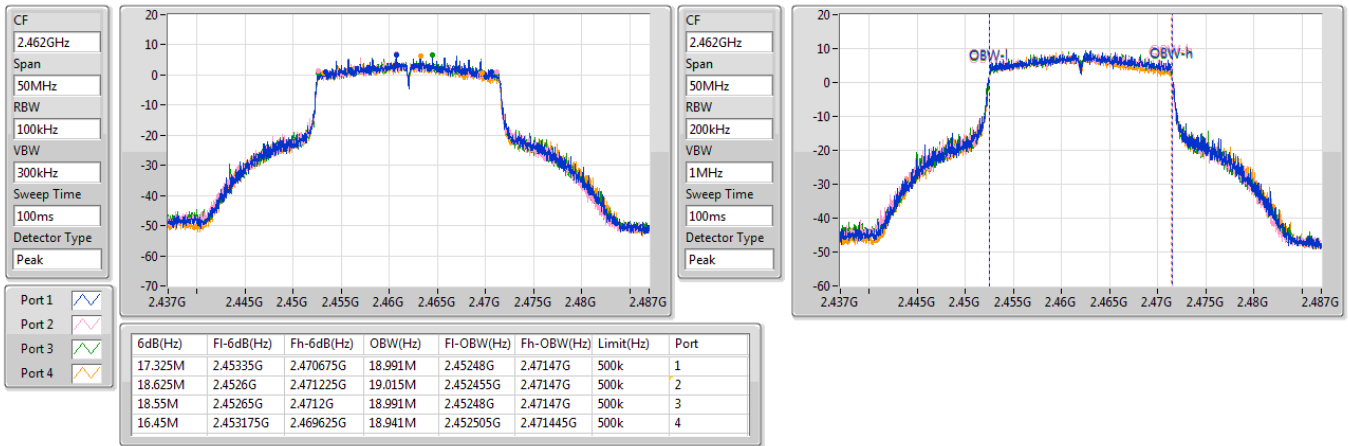




2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

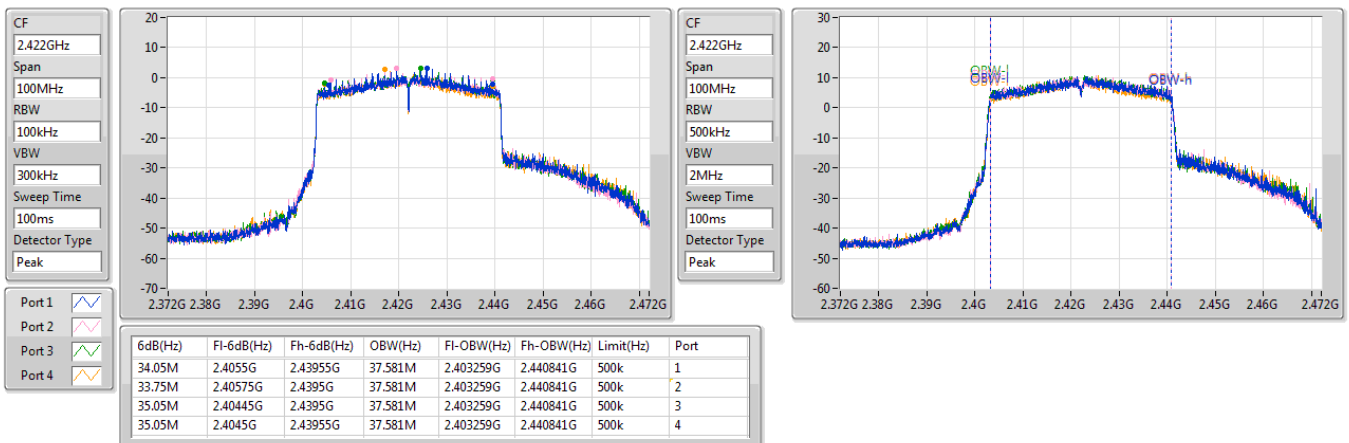
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2422MHz

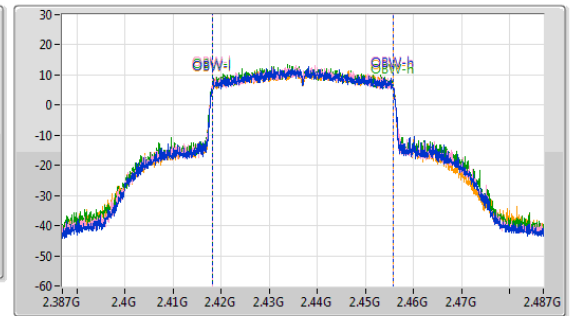
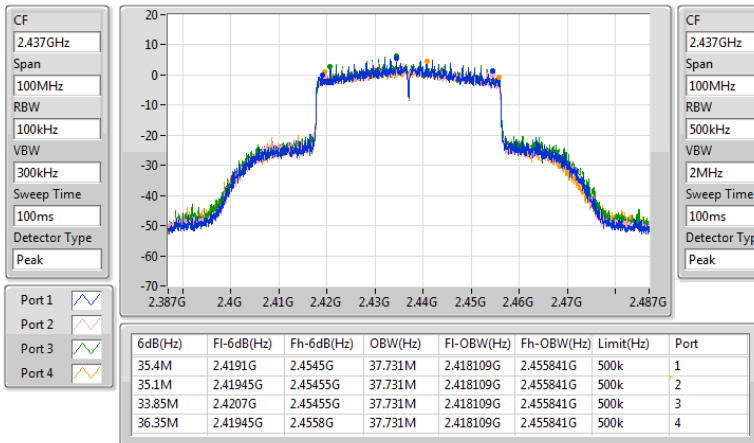




2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

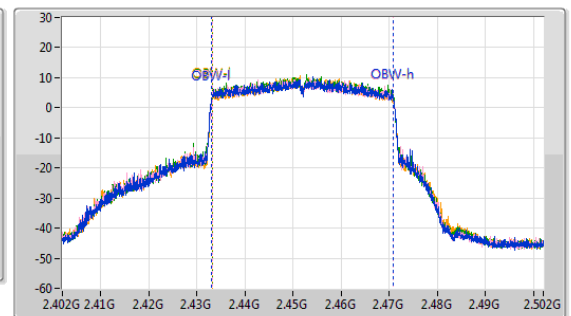
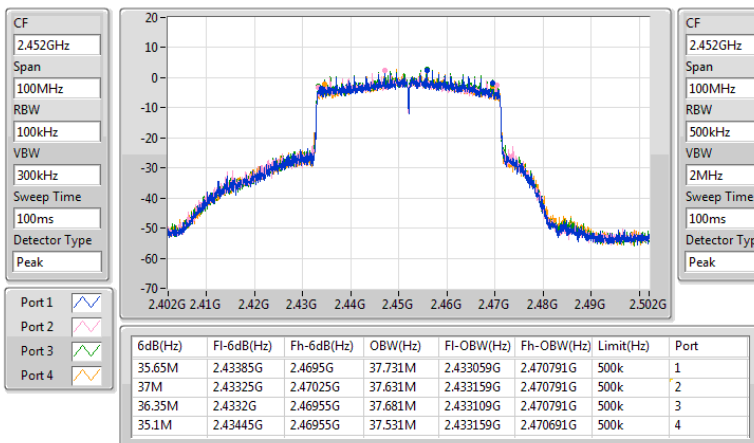
2437MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2452MHz



**Beamforming mode****Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19M	19.29M	19M3D1D	18.6M	18.891M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.95M	37.931M	37M9D1D	33.8M	37.331M

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

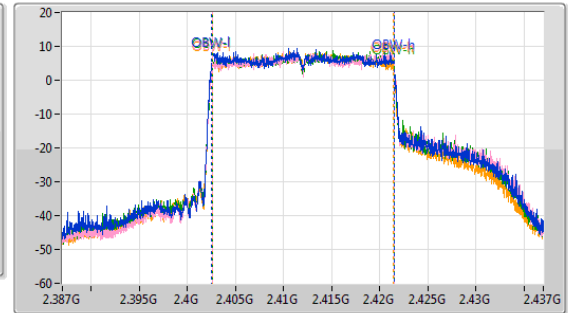
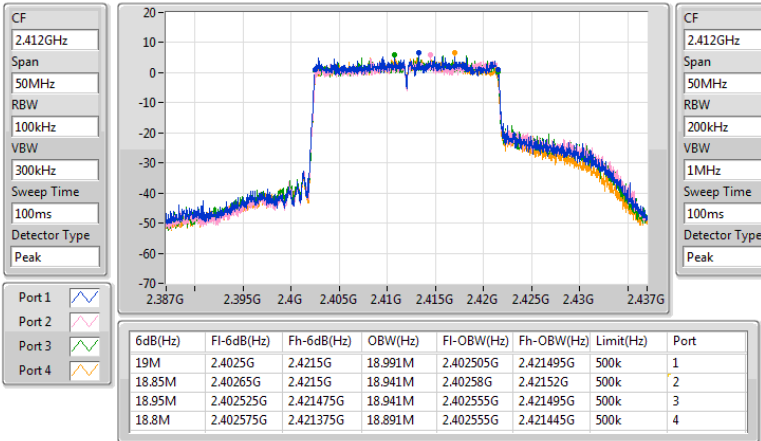
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	18.991M	18.85M	18.941M	18.95M	18.941M	18.8M	18.891M
2437MHz	Pass	500k	18.775M	19.29M	18.6M	19.19M	18.825M	19.215M	18.825M	19.165M
2462MHz	Pass	500k	18.9M	19.015M	18.675M	18.966M	18.8M	19.04M	18.875M	19.09M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.5M	37.831M	37.95M	37.931M	33.8M	37.331M	36.25M	37.631M
2437MHz	Pass	500k	37.9M	37.881M	37.05M	37.731M	36.6M	37.781M	37.9M	37.881M
2452MHz	Pass	500k	37.9M	37.931M	37.9M	37.881M	37.9M	37.931M	37.65M	37.731M

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

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

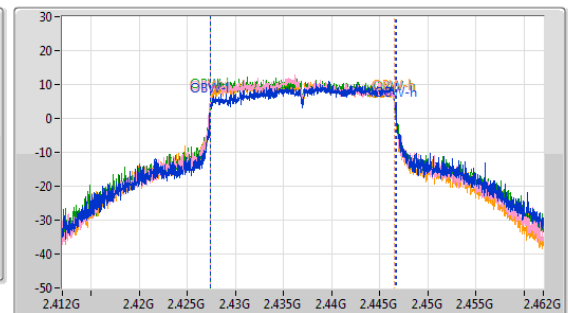
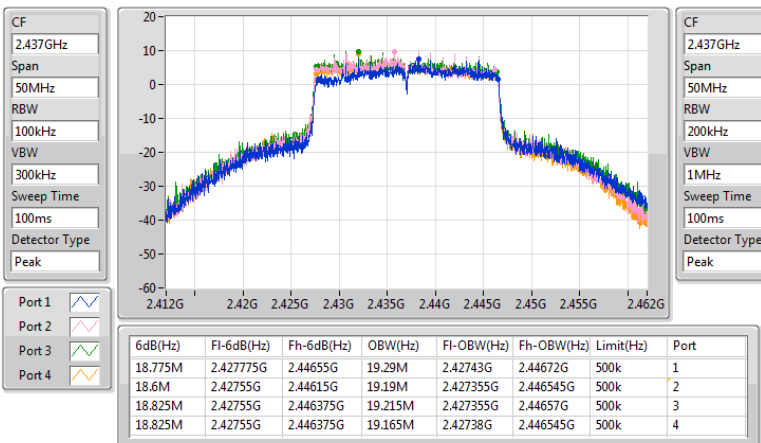
2412MHz



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

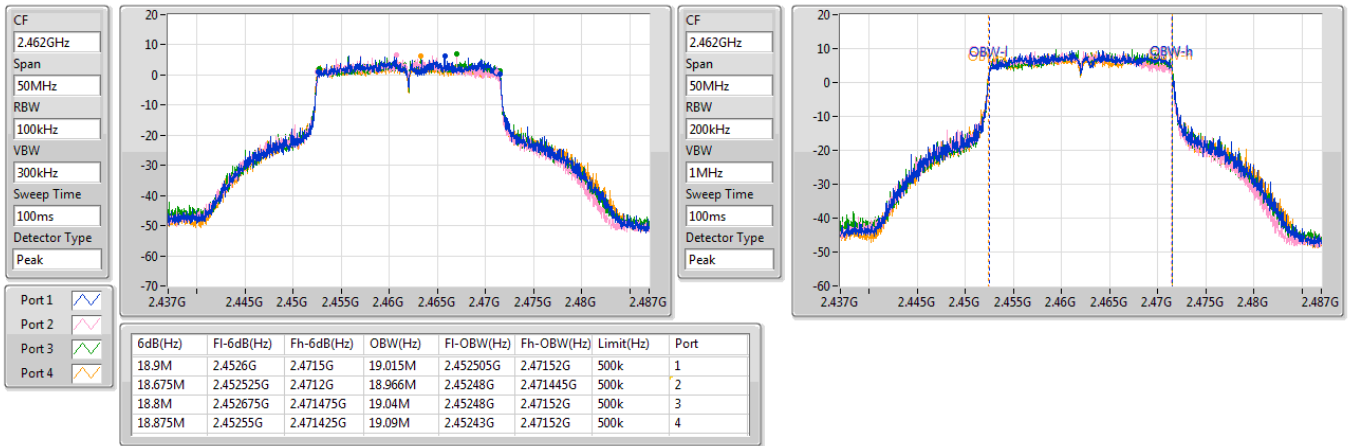




2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

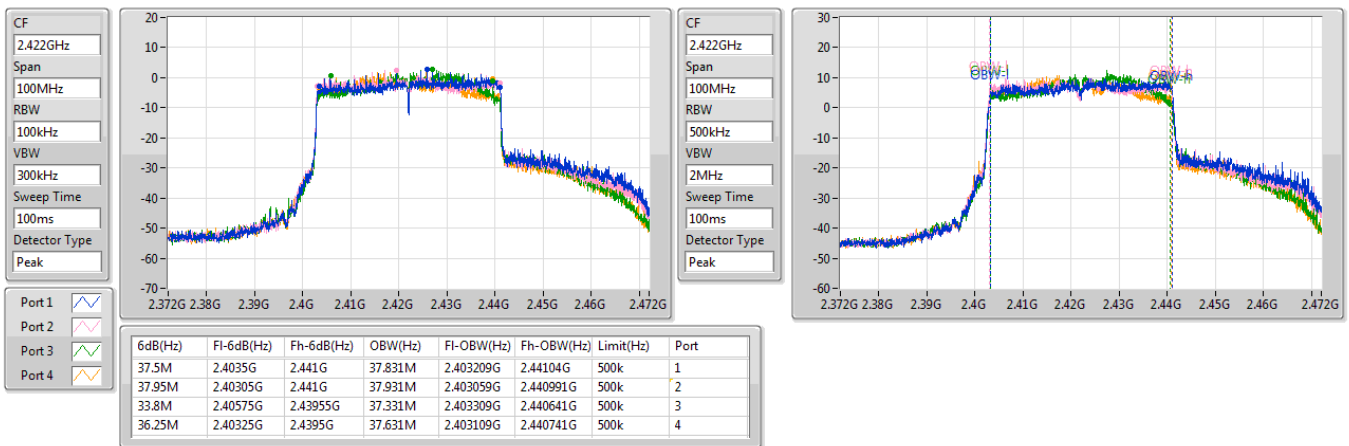
2462MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2422MHz

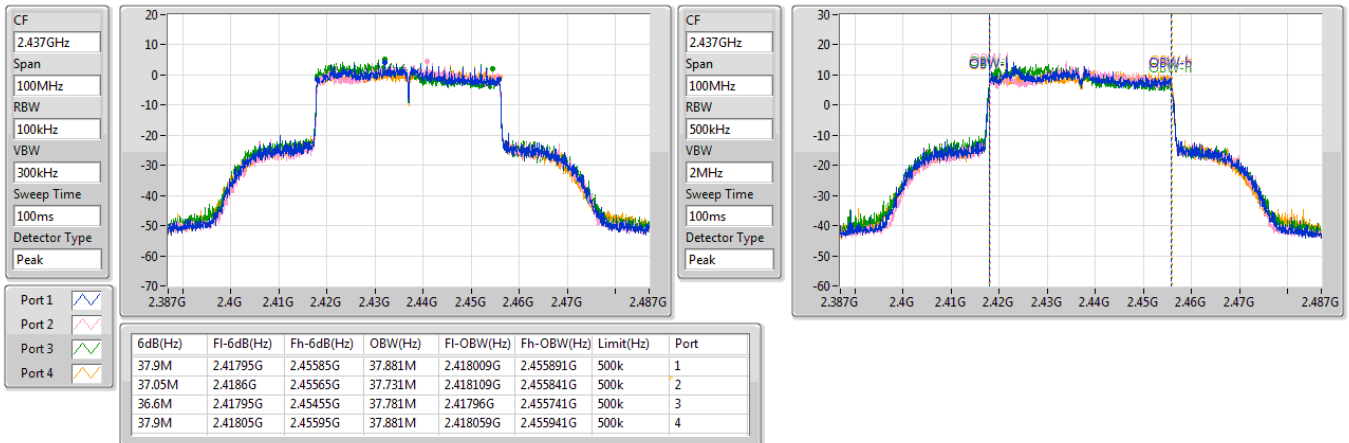




2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

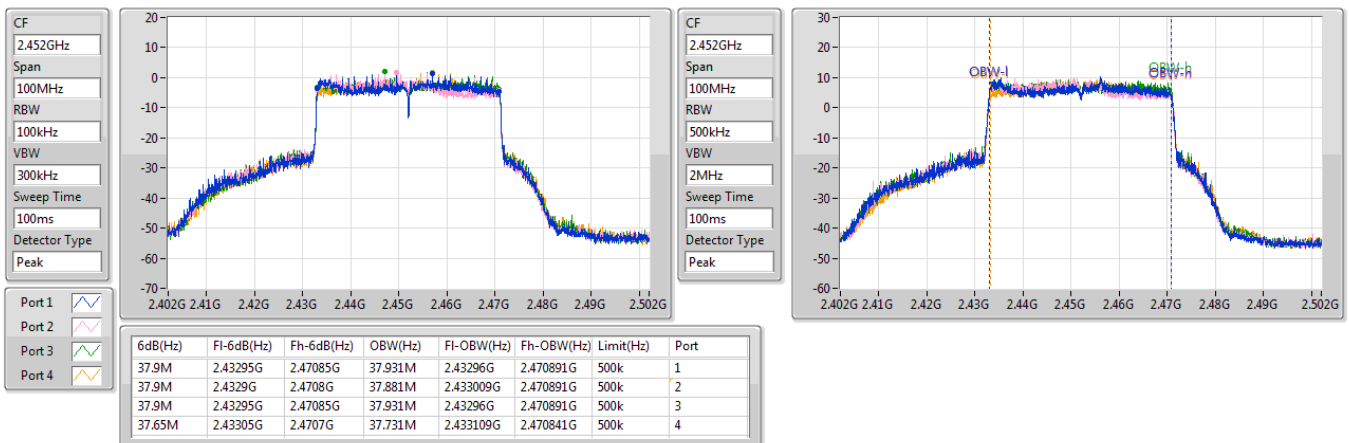
2437MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2452MHz





Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	27.02	0.50350
802.11g_Nss1,(6Mbps)_4TX	26.53	0.44978
802.11ax HEW20_Nss1,(MCS0)_4TX	26.63	0.46026
802.11ax HEW40_Nss1,(MCS0)_4TX	24.42	0.27669

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.574	20.15	21.03	20.17	20.38	26.47	30.00	31.04	36.00
2437MHz	Pass	4.574	21.12	21.13	21.26	20.46	27.02	30.00	31.59	36.00
2462MHz	Pass	4.574	20.94	20.63	20.46	19.79	26.50	30.00	31.07	36.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.574	17.73	18.38	17.72	17.85	23.95	30.00	28.52	36.00
2437MHz	Pass	4.574	20.62	20.56	20.81	20.02	26.53	30.00	31.10	36.00
2462MHz	Pass	4.574	18.46	18.03	18.06	17.73	24.10	30.00	28.67	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.574	16.78	17.46	16.84	16.89	23.02	30.00	27.59	36.00
2437MHz	Pass	4.574	20.72	20.71	20.83	20.15	26.63	30.00	31.20	36.00
2462MHz	Pass	4.574	17.58	17.13	17.18	16.77	23.20	30.00	27.77	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	4.574	15.78	16.33	15.68	15.42	21.84	30.00	26.41	36.00
2437MHz	Pass	4.574	18.18	18.76	18.48	18.14	24.42	30.00	28.99	36.00
2452MHz	Pass	4.574	15.38	15.82	15.52	15.61	21.61	30.00	26.18	36.00

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

Note : Conducted average output power is for reference

Beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.04	0.40179
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.95	0.24831

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	9.715	16.75	17.22	16.85	16.91	22.96	26.29	32.67	36.00
2437MHz	Pass	9.715	19.66	20.54	20.05	19.76	26.04	26.29	35.75	36.00
2462MHz	Pass	9.715	17.39	16.71	16.65	16.77	22.91	26.29	32.62	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	9.715	15.63	16.02	15.72	15.42	21.72	26.29	31.43	36.00
2437MHz	Pass	9.715	17.76	17.85	18.35	17.72	23.95	26.29	33.66	36.00
2452MHz	Pass	9.715	14.74	15.51	15.12	15.55	21.26	26.29	30.98	36.00

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

Note : Conducted average output power is for reference

Remark:

Directional gain = $10 \times \log((10^{3.618/20} + 10^{3.414/20} + 10^{3.099/20} + 10^{4.574/20})^2/4) = 9.71 \text{ dBi} > 6\text{dBi}$, so the limit shall be reduced to 30 dBm – (9.715dBi – 6dBi) = 26.29 dBm

Non-beamforming mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-3.71
802.11g_Nss1,(6Mbps)_4TX	-6.23
802.11ax HEW20_Nss1,(MCS0)_4TX	-6.29
802.11ax HEW40_Nss1,(MCS0)_4TX	-10.65

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.715	-8.39	-9.80	-9.03	-9.04	-4.02	4.29
2437MHz	Pass	9.715	-8.74	-8.07	-8.40	-9.21	-3.71	4.29
2462MHz	Pass	9.715	-9.22	-9.11	-8.93	-9.45	-4.25	4.29
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.715	-14.25	-13.50	-13.58	-13.34	-8.85	4.29
2437MHz	Pass	9.715	-11.38	-10.62	-10.47	-11.06	-6.23	4.29
2462MHz	Pass	9.715	-12.07	-13.44	-12.98	-13.71	-7.98	4.29
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.715	-16.18	-14.68	-15.67	-15.90	-10.36	4.29
2437MHz	Pass	9.715	-11.37	-12.14	-11.78	-11.45	-6.29	4.29
2462MHz	Pass	9.715	-15.37	-14.14	-15.52	-14.23	-9.18	4.29
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	9.715	-19.41	-18.10	-18.13	-19.05	-13.51	4.29
2437MHz	Pass	9.715	-16.73	-16.53	-16.15	-15.71	-10.65	4.29
2452MHz	Pass	9.715	-18.13	-18.87	-18.62	-18.49	-13.12	4.29

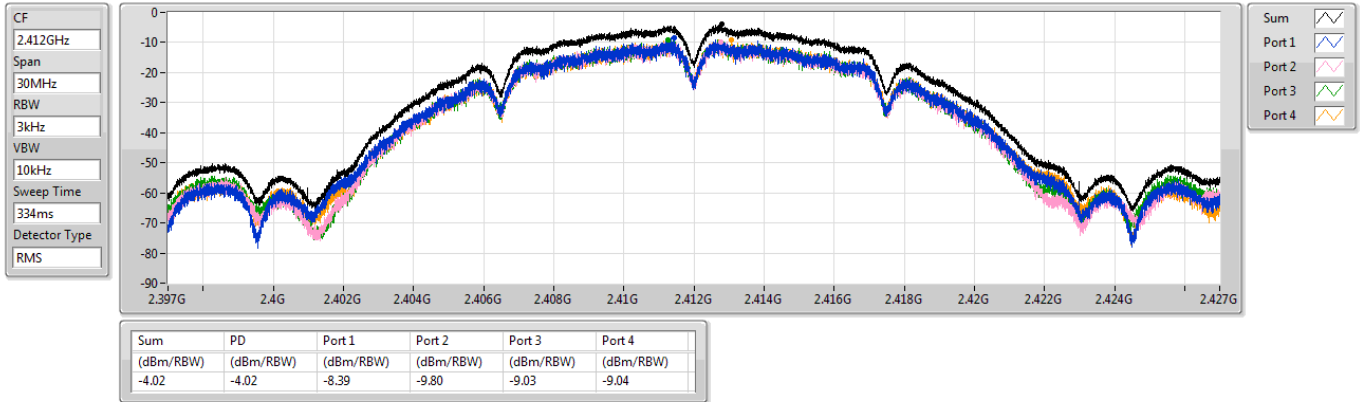
DG = Directional Gain; RBW = 3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Directional gain = $10 * \log((10^{3.618/20} + 10^{3.414/20} + 10^{3.099/20} + 10^{4.574/20})^2 / 4) = 9.71 \text{ dBi}$ > 6 dBi, limit shall be reduced to 8 dBm – (9.71 dBi – 6 dBi) = 4.29 dBm

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

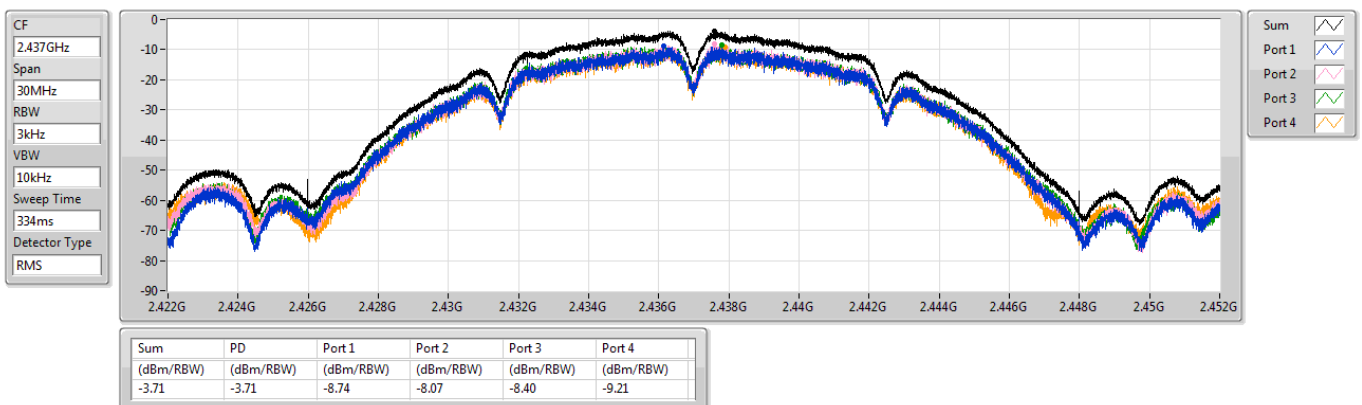
2412MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

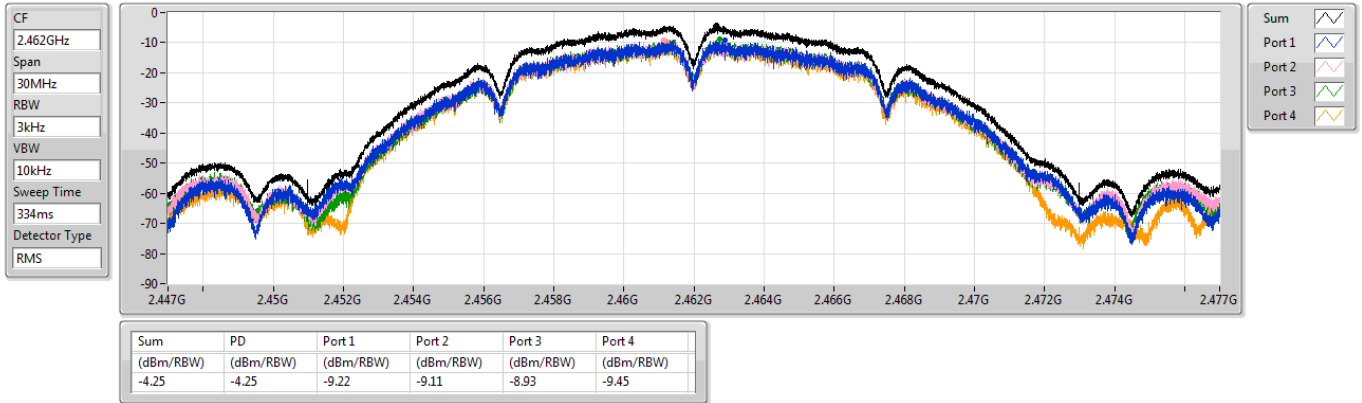
2437MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

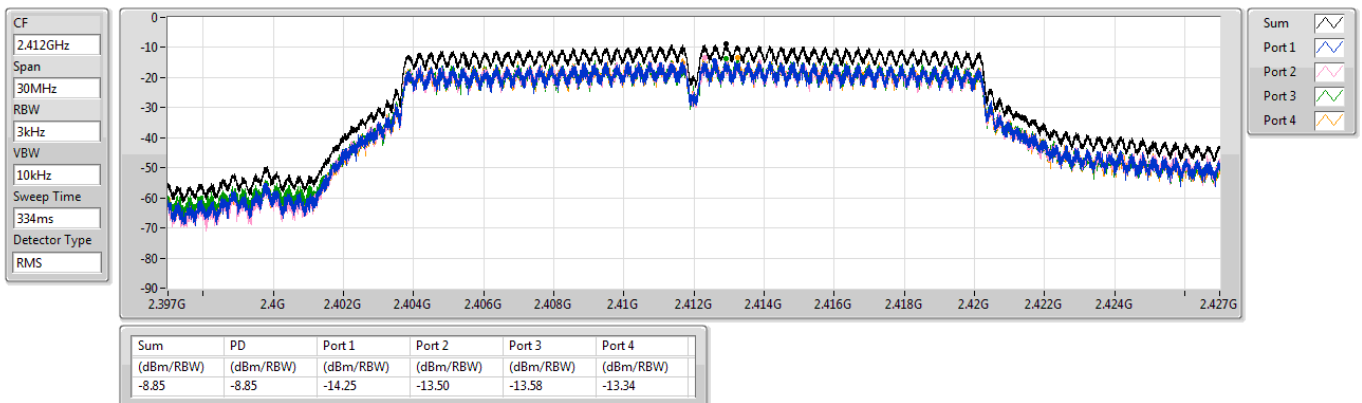
2462MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

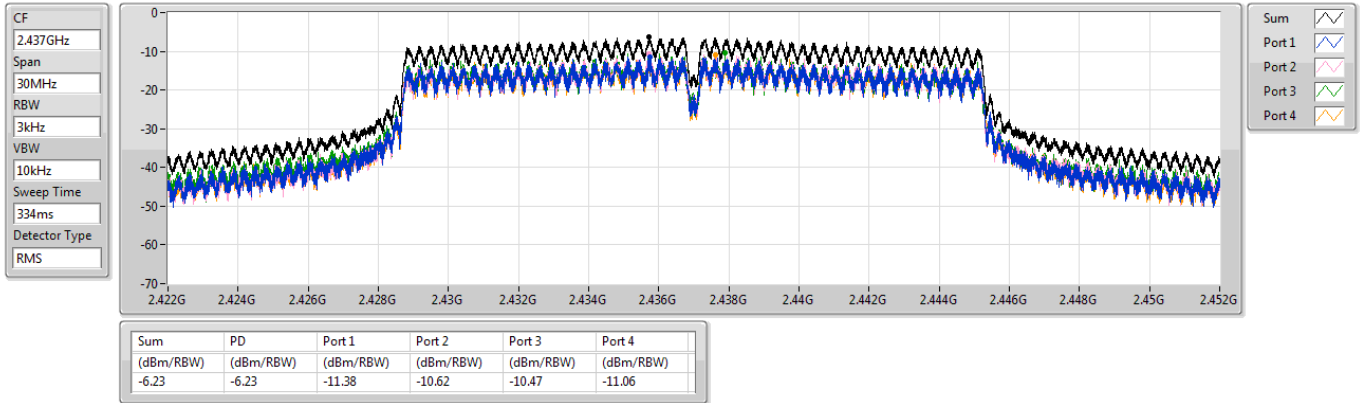
2412MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

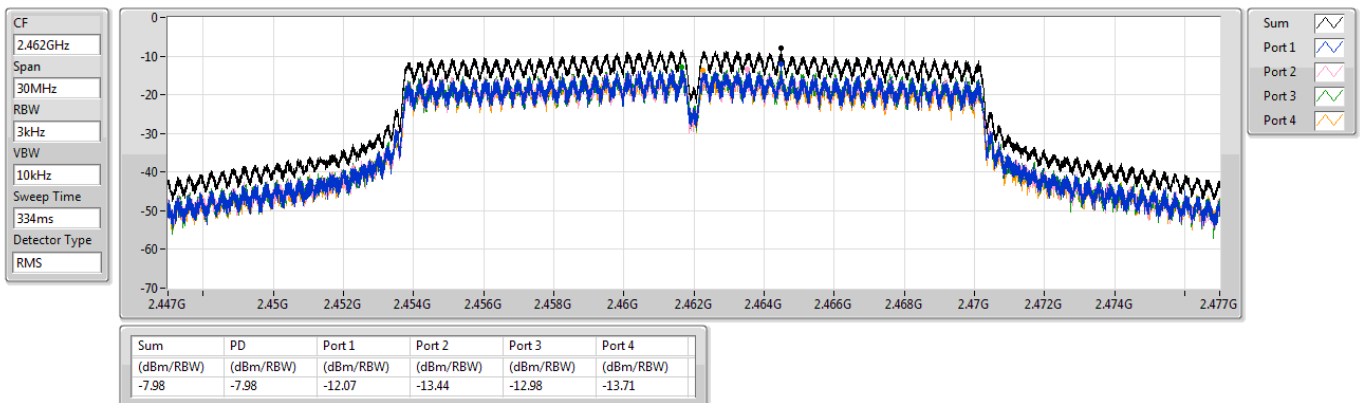
2437MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

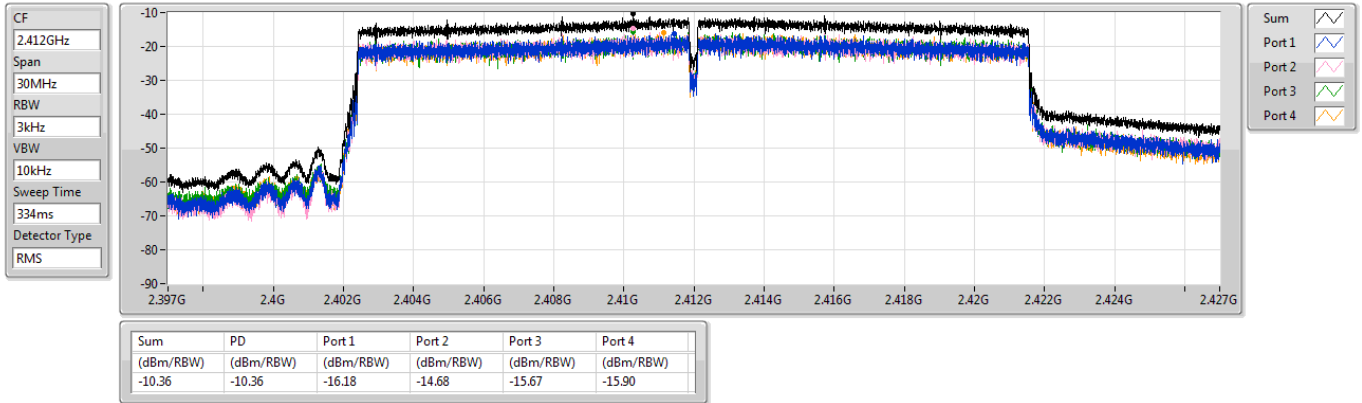
2462MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

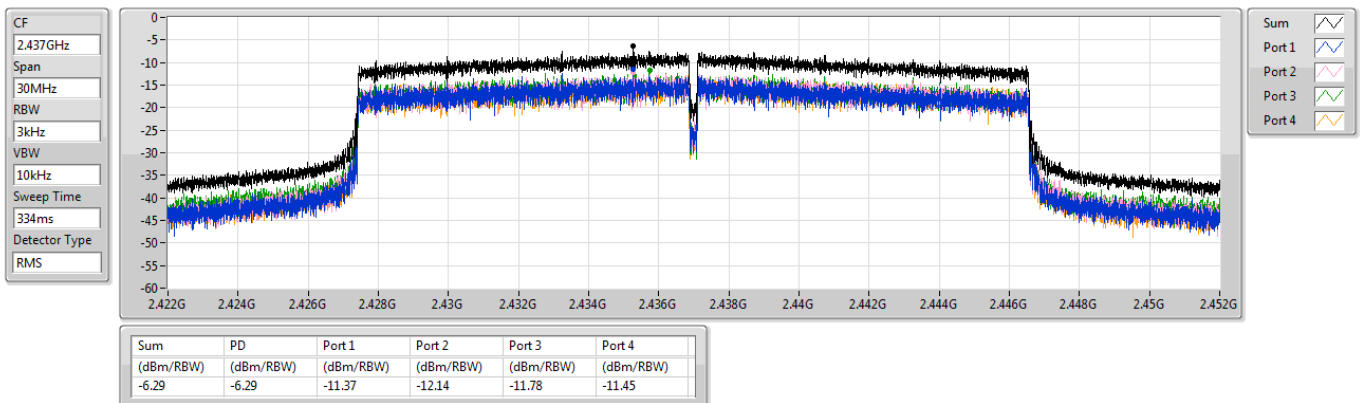
2412MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

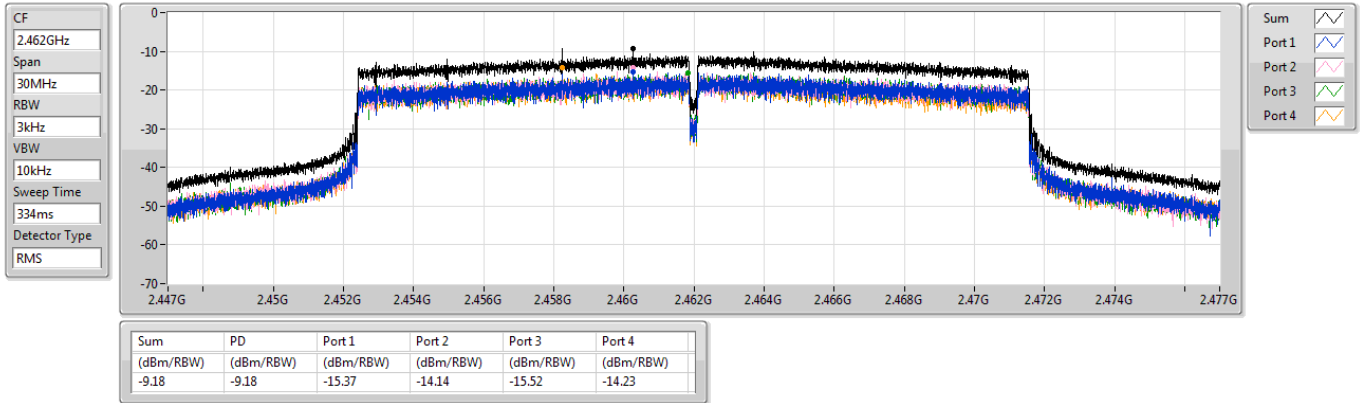
2437MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

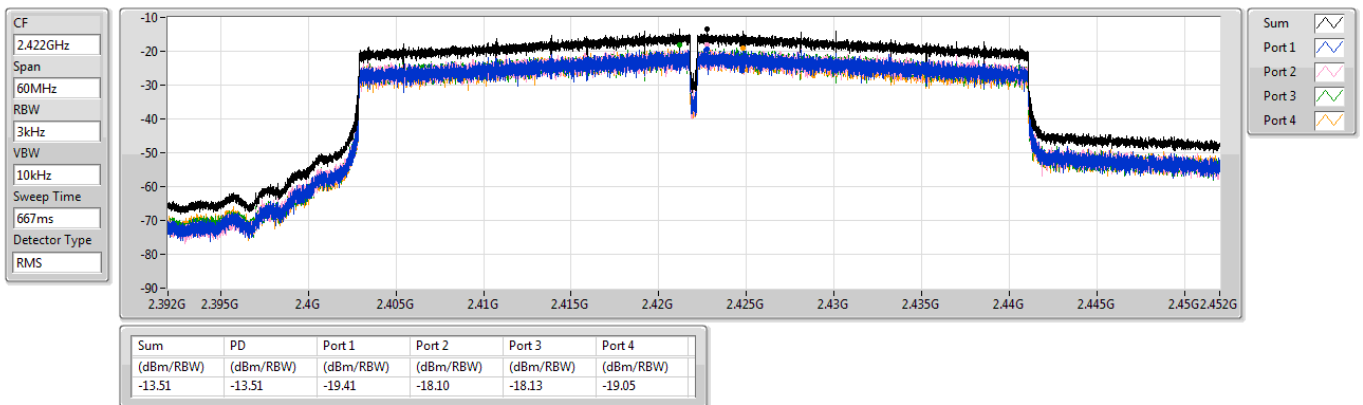
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

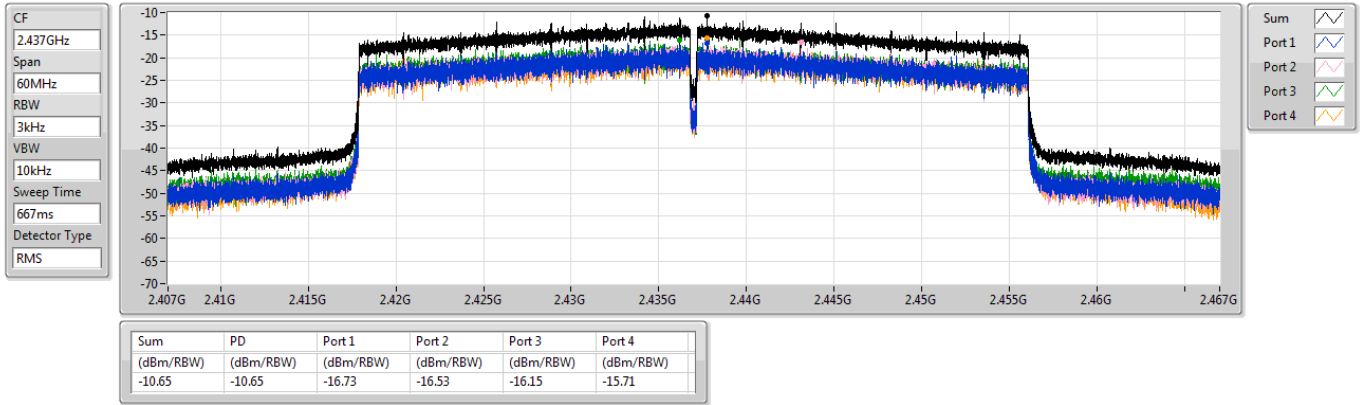
2422MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

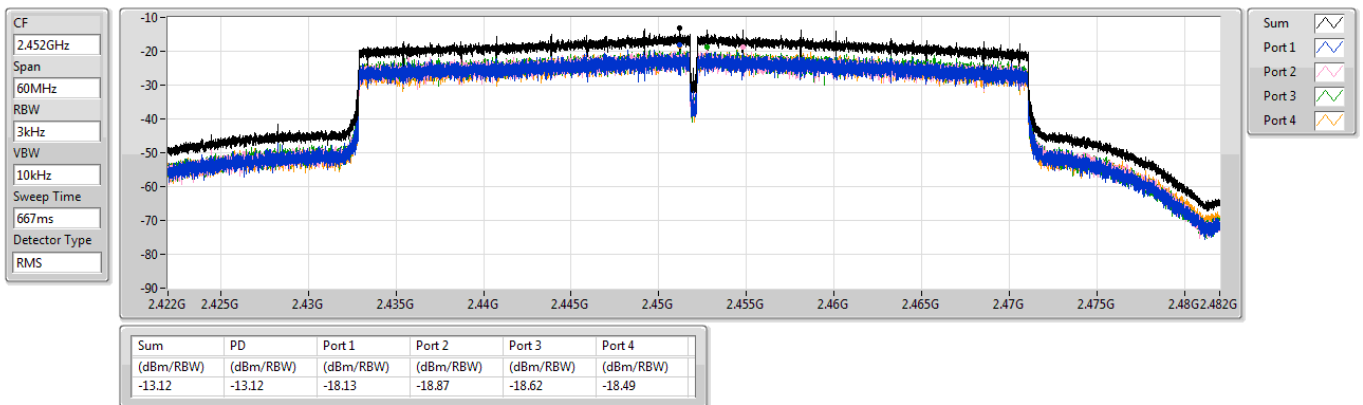
2437MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz



Beamforming mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-8.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-12.00

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.715	-14.71	-16.04	-16.59	-15.20	-11.24	4.29
2437MHz	Pass	9.715	-13.14	-12.07	-12.46	-14.03	-8.11	4.29
2462MHz	Pass	9.715	-14.81	-15.32	-14.73	-16.18	-10.37	4.29
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	9.715	-19.93	-19.57	-17.69	-19.43	-13.97	4.29
2437MHz	Pass	9.715	-17.02	-16.53	-15.23	-18.54	-12.00	4.29
2452MHz	Pass	9.715	-17.95	-17.57	-20.48	-19.95	-15.17	4.29

DG = Directional Gain; RBW = 3kHz;

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

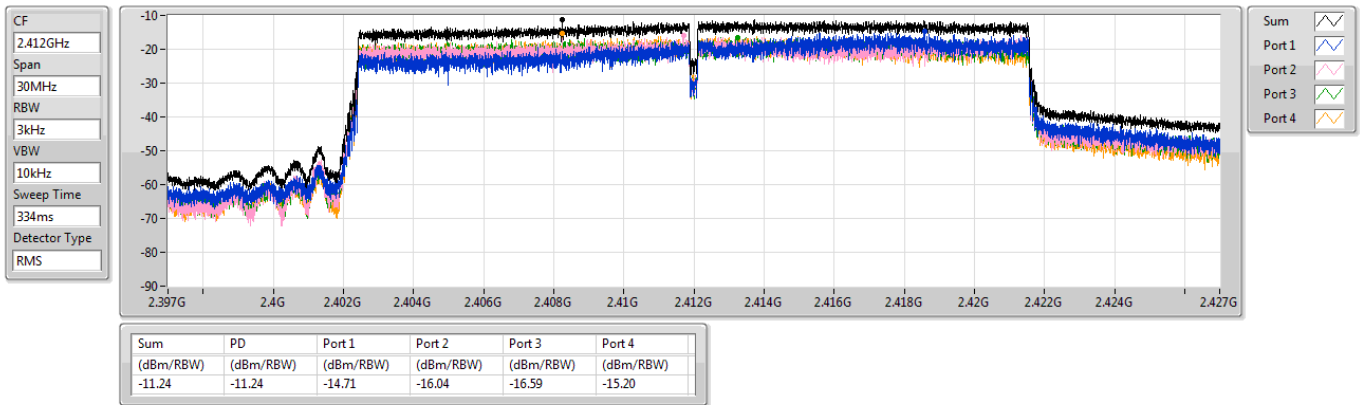
Remark:

Directional gain = $10 \times \log((10^{3.618/20} + 10^{3.414/20} + 10^{3.099/20} + 10^{4.574/20})^2 / 4) = 9.71 \text{ dBi} > 6 \text{ dBi}$, so the limit shall be reduced to 8 dBm – (9.715dBi – 6dBi) = 4.29 dBm

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

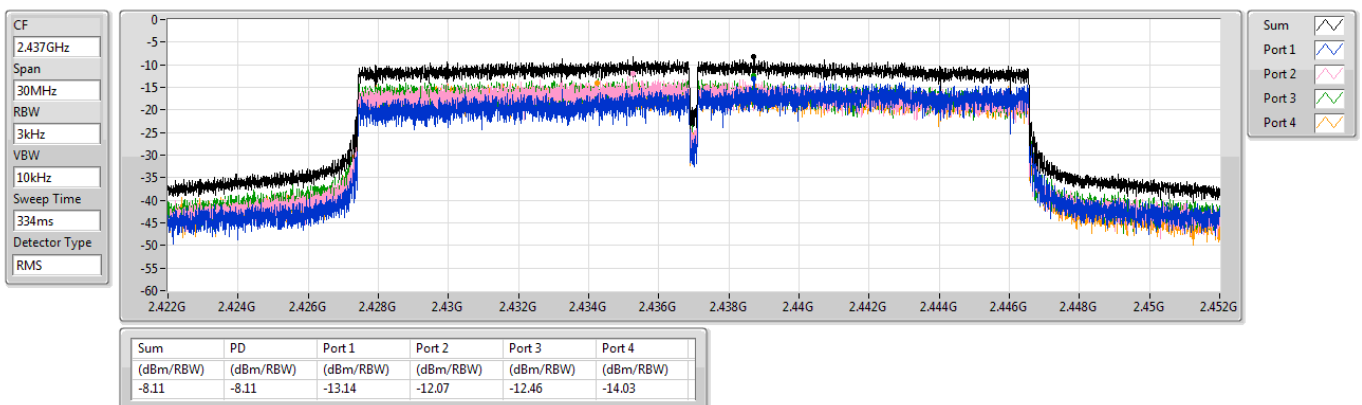
2412MHz



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

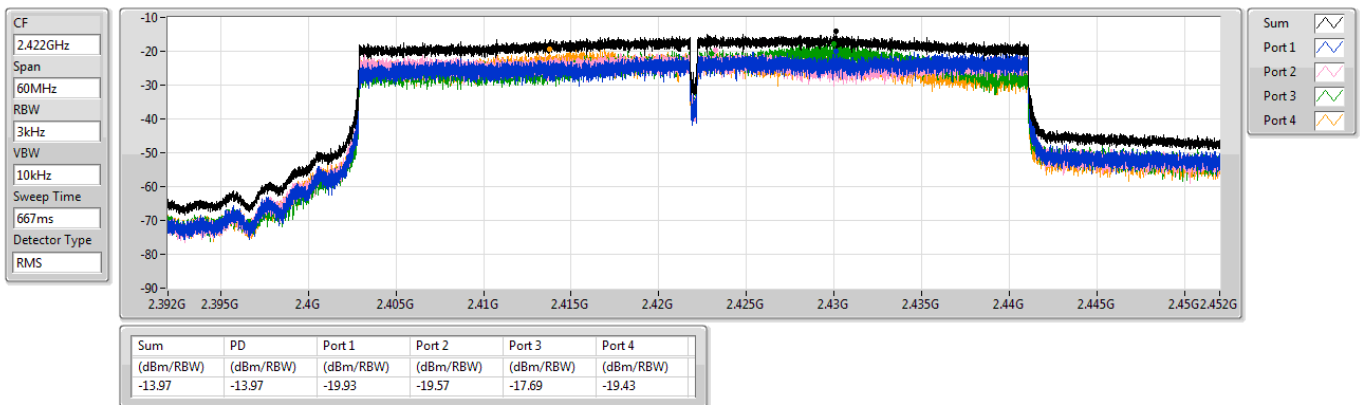
2462MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

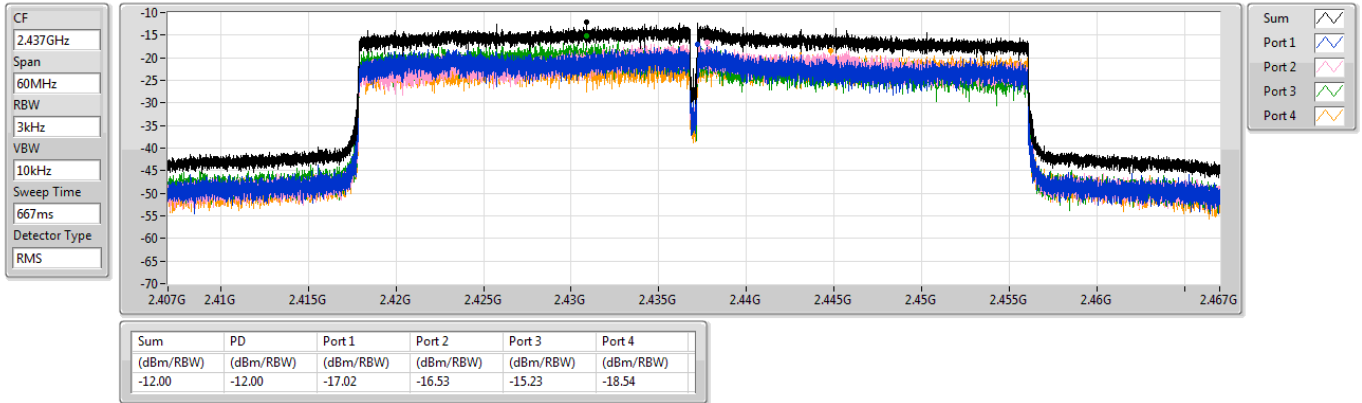
2422MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

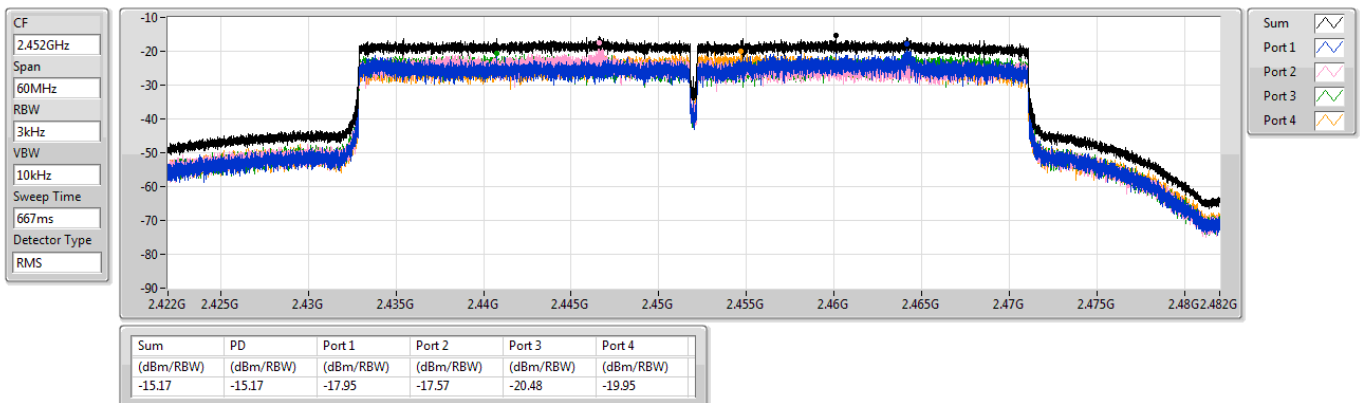
2437MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz





Non-beamforming mode

Unwanted Emissions (Below 1GHz)

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):24 Humidity(%):63			
Level (dBUV/m)			



Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			

Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			



Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			



Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBUV/m)			



Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			

Unwanted Emissions (Above 1GHz) for 11g

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Modulation	11g		Test Freq. (MHz)		2412	
Polarization	Vertical					
Test By :Sean Yu Temperature(°C):24 Humidity(%):62						
Level (dBuV/m) </						



Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			



Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			



Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			



Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20		Test Freq. (MHz)		2412				
Polarization	Horizontal								
Test By :Akun Chung Temperature(°C):24 Humidity(%):62									
Level (dBUV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBUV/m	dBUV/m	dB	dBUV	dB/m		cm	deg
1	2390.00	48.67	54.00	-5.33	53.32	-4.65	Average	330	48
2	2390.00	64.58	74.00	-9.42	69.23	-4.65	Peak	330	48
3	4824.00	31.78	54.00	-22.22	32.31	-0.53	Average	100	176
4	4824.00	44.91	74.00	-29.09	45.44	-0.53	Peak	100	176
5	12060.00	41.83	54.00	-12.17	35.46	6.37	Average	100	228
6	12060.00	55.60	74.00	-18.40	49.23	6.37	Peak	100	228

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).



Modulation	ax HE20	Test Freq. (MHz)	2412
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) </			



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Sean Yu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m) </			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			

Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	2422
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBUV/m)			



Modulation	ax HE40	Test Freq. (MHz)	2422
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			



Modulation	ax HE40	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

Modulation	ax HE40	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			



Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			



Beamforming mode

Unwanted Emissions (Below 1GHz)

Modulation	ax HE20	Test Freq. (MHz)	2437																																																																						
Polarization	Horizontal																																																																								
Test By :Brad Wu Temperature(°C):24 Humidity(%):63																																																																									
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>63.68</td><td>22.45</td><td>40.00</td><td>-17.55</td><td>32.24</td><td>-9.79</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>125.38</td><td>32.47</td><td>43.50</td><td>-11.03</td><td>43.20</td><td>-10.73</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>153.56</td><td>26.13</td><td>43.50</td><td>-17.37</td><td>35.12</td><td>-8.99</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>202.55</td><td>27.03</td><td>43.50</td><td>-16.47</td><td>38.94</td><td>-11.91</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>250.26</td><td>26.58</td><td>46.00</td><td>-19.42</td><td>36.63</td><td>-10.05</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>406.58</td><td>28.11</td><td>46.00</td><td>-17.89</td><td>33.58</td><td>-5.47</td><td>Peak</td><td>---</td><td>---</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	63.68	22.45	40.00	-17.55	32.24	-9.79	Peak	---	---	2	125.38	32.47	43.50	-11.03	43.20	-10.73	Peak	---	---	3	153.56	26.13	43.50	-17.37	35.12	-8.99	Peak	---	---	4	202.55	27.03	43.50	-16.47	38.94	-11.91	Peak	---	---	5	250.26	26.58	46.00	-19.42	36.63	-10.05	Peak	---	---	6	406.58	28.11	46.00	-17.89	33.58	-5.47	Peak	---	---
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	63.68	22.45	40.00	-17.55	32.24	-9.79	Peak	---	---																																																																
2	125.38	32.47	43.50	-11.03	43.20	-10.73	Peak	---	---																																																																
3	153.56	26.13	43.50	-17.37	35.12	-8.99	Peak	---	---																																																																
4	202.55	27.03	43.50	-16.47	38.94	-11.91	Peak	---	---																																																																
5	250.26	26.58	46.00	-19.42	36.63	-10.05	Peak	---	---																																																																
6	406.58	28.11	46.00	-17.89	33.58	-5.47	Peak	---	---																																																																
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																									



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):24 Humidity(%):63			
Level (dBuV/m) </			

Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20		Test Freq. (MHz)		2412	
Polarization	Horizontal					
Test By :Sena Yu Temperature(°C):25 Humidity(%):63						
Level (dBUV/m) </						



Modulation	ax HE20	Test Freq. (MHz)	2412						
Polarization	Vertical								
Test By :Sena Yu Temperature(°C):25 Humidity(%):63									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	52.01	54.00	-1.99	56.66	-4.65	Average	180	136
2	2390.00	71.20	74.00	-2.80	75.85	-4.65	Peak	180	136
3	4824.00	31.76	54.00	-22.24	32.29	-0.53	Average	100	178
4	4824.00	44.82	74.00	-29.18	45.35	-0.53	Peak	100	178
5	12060.00	41.94	54.00	-12.06	35.57	6.37	Average	100	205
6	12060.00	55.50	74.00	-18.50	49.13	6.37	Peak	100	205

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m) </			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m) </			

Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	2422						
Polarization	Horizontal								
Test By :Sena Yu Temperature(°C):25 Humidity(%):63									
Level (dBUV/m)									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	48.66	54.00	-5.34	53.31	-4.65	Average	308	65
2	2390.00	66.42	74.00	-7.58	71.07	-4.65	Peak	308	65
3	4844.00	31.73	54.00	-22.27	32.26	-0.53	Average	100	178
4	4844.00	44.84	74.00	-29.16	45.37	-0.53	Peak	100	178
5	7266.00	37.53	54.00	-16.47	32.38	5.15	Average	100	251
6	7266.00	50.71	74.00	-23.29	45.56	5.15	Peak	100	251

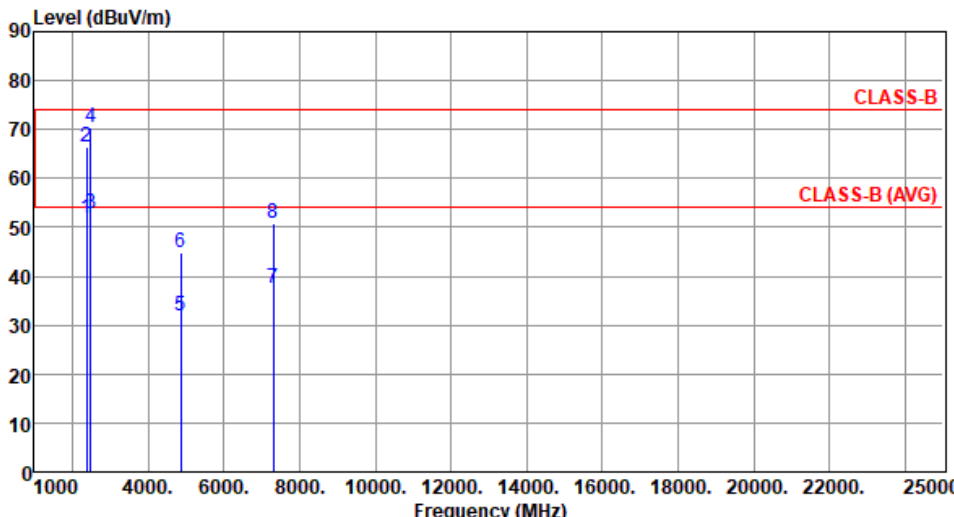
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).



Modulation	ax HE40	Test Freq. (MHz)	2422
Polarization	Vertical		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m) </			



Modulation	ax HE40	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m)			

Modulation	ax HE40	Test Freq. (MHz)	2437						
Polarization	Vertical								
Test By :Sena Yu Temperature(°C):25 Humidity(%):63									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	51.69	54.00	-2.31	56.34	-4.65	Average	200	137
2	2390.00	66.48	74.00	-7.52	71.13	-4.65	Peak	200	137
3	2483.50	52.73	54.00	-1.27	57.62	-4.89	Average	200	137
4	2483.50	70.49	74.00	-3.51	75.38	-4.89	Peak	200	137
5	4874.00	31.80	54.00	-22.20	32.34	-0.54	Average	100	177
6	4874.00	44.72	74.00	-29.28	45.26	-0.54	Peak	100	177
7	7311.00	37.58	54.00	-16.42	32.36	5.22	Average	100	265
8	7311.00	50.89	74.00	-23.11	45.67	5.22	Peak	100	265

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Horizontal		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBUV/m)			



Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Vertical		
Test By :Sena Yu Temperature(°C):25 Humidity(%):63			
Level (dBuV/m) </			

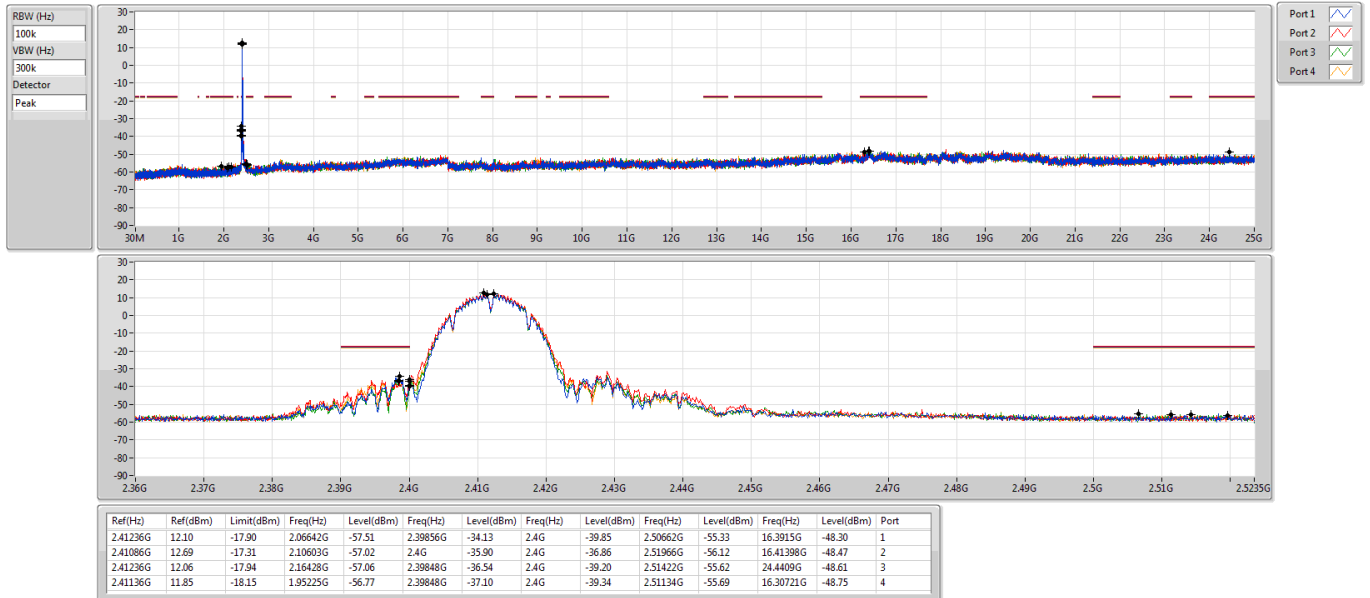


Non-beamforming mode

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

CSEndB

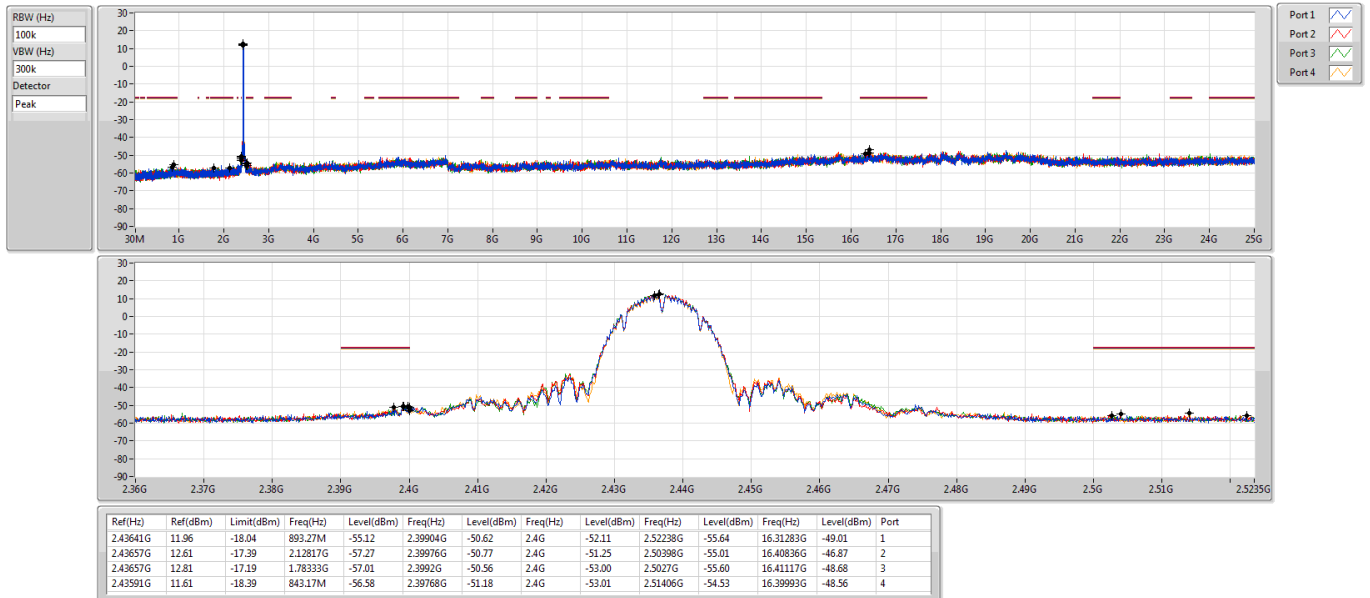
2412MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

CSEndB

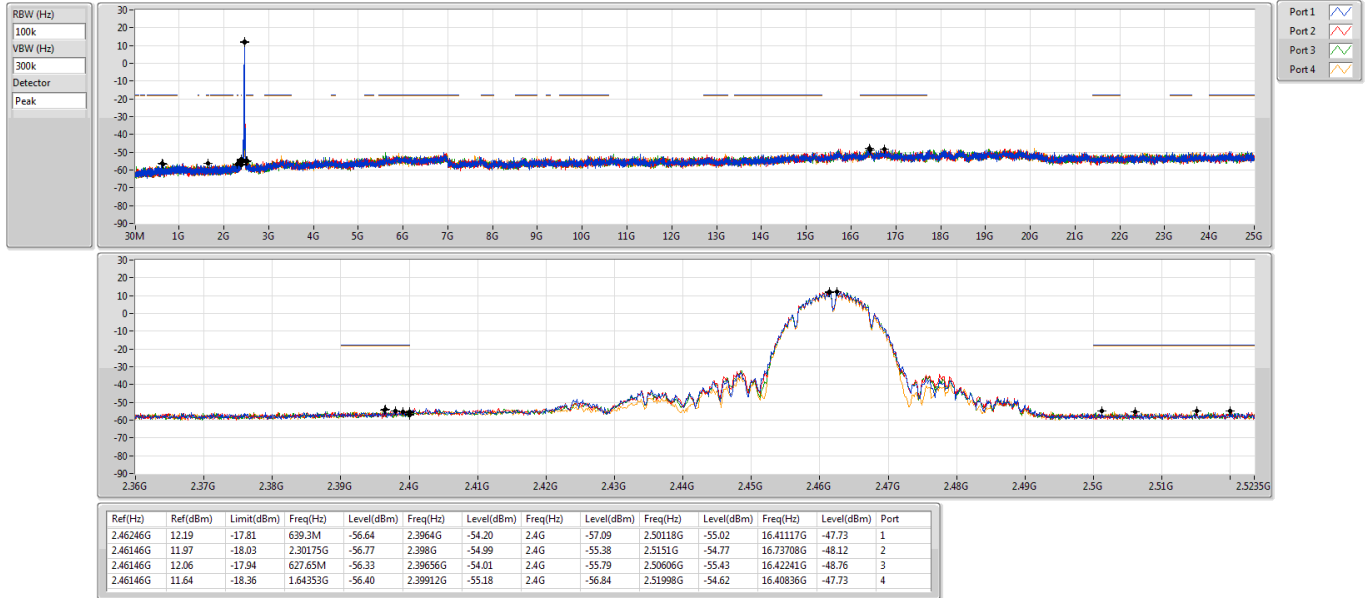
2437MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

CSEndB

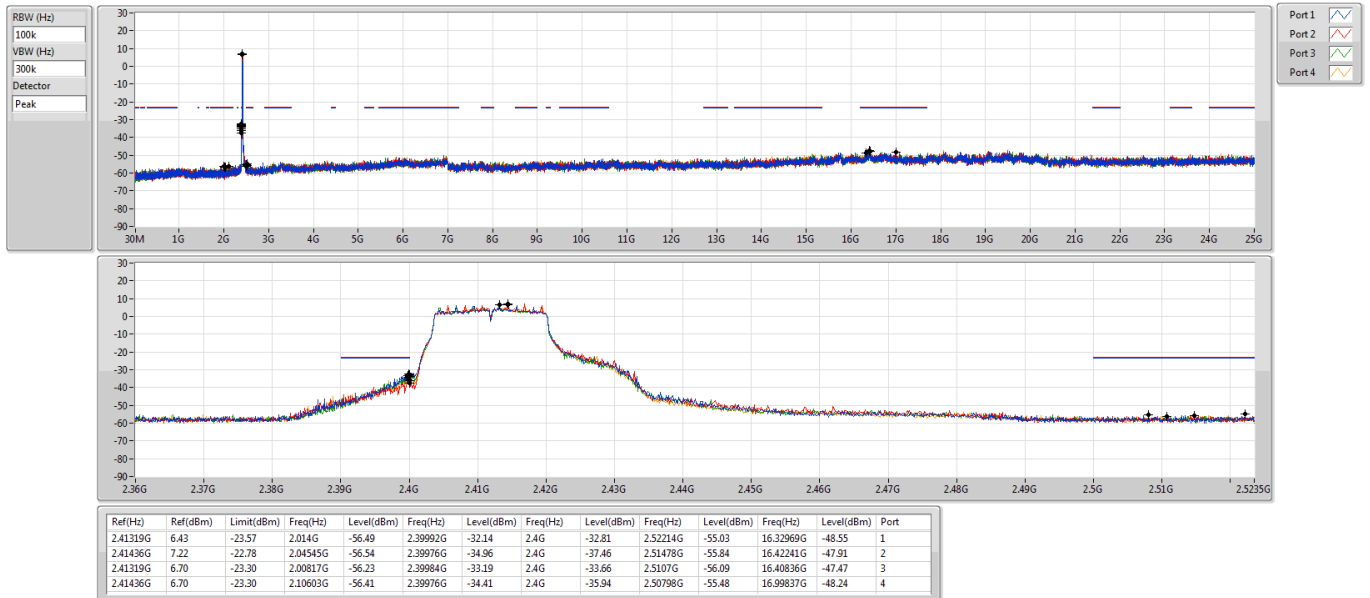
2462MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

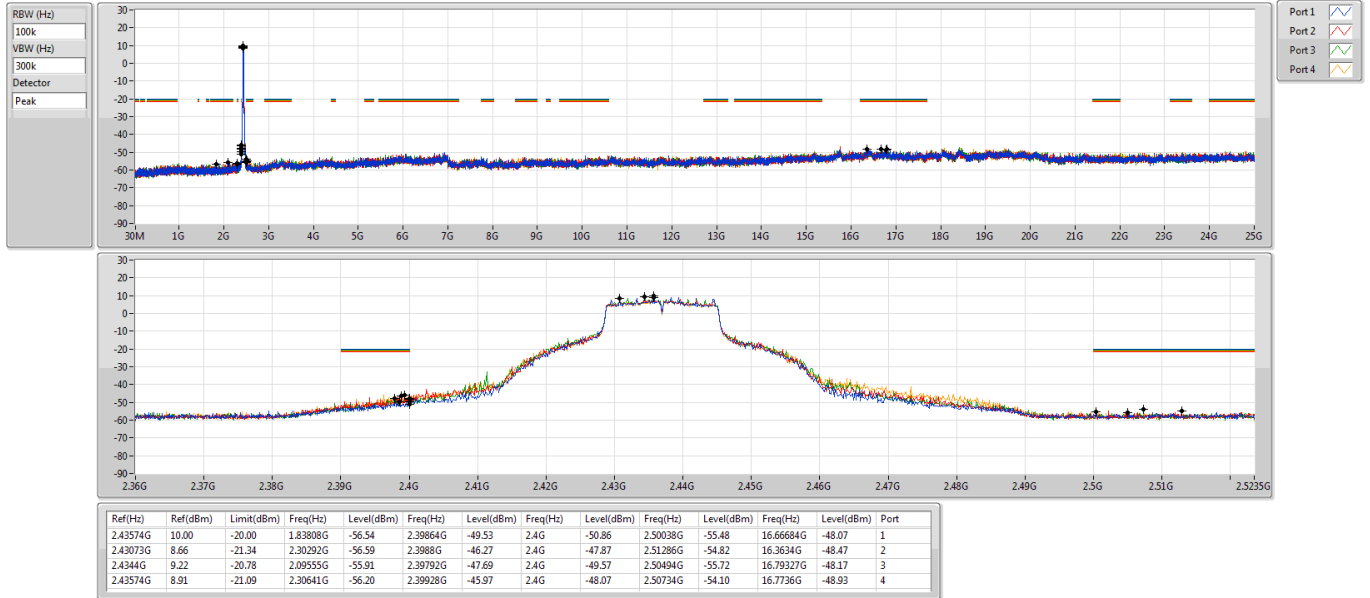
2412MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

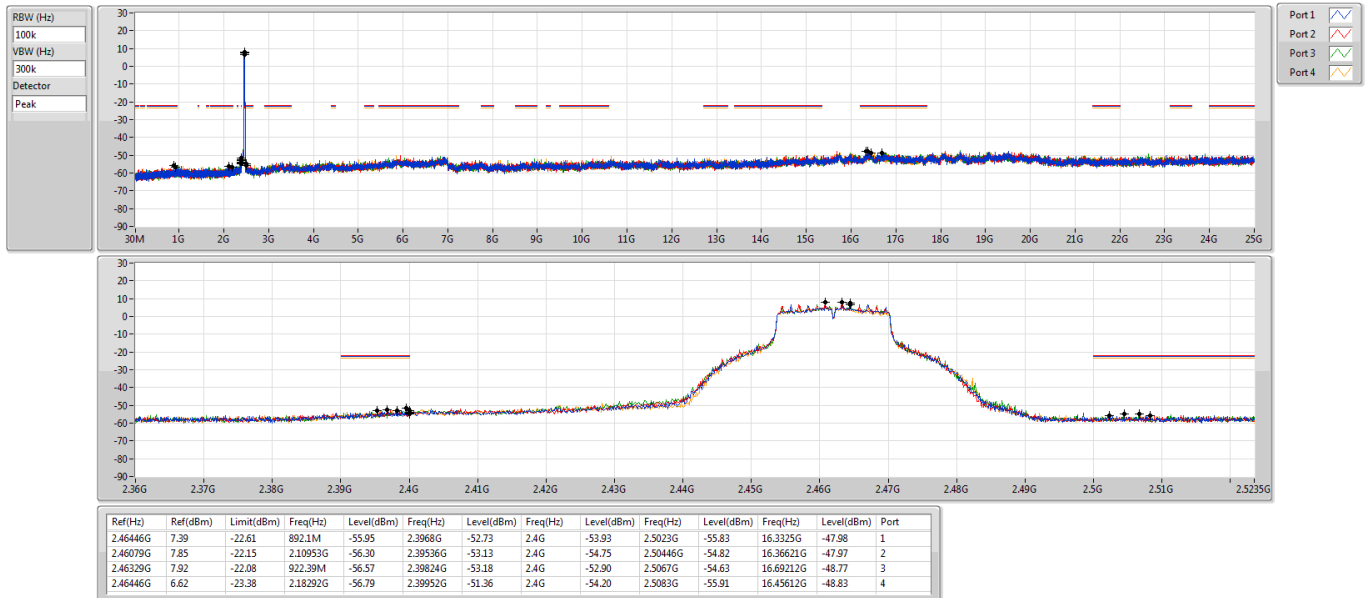
2437MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

2462MHz

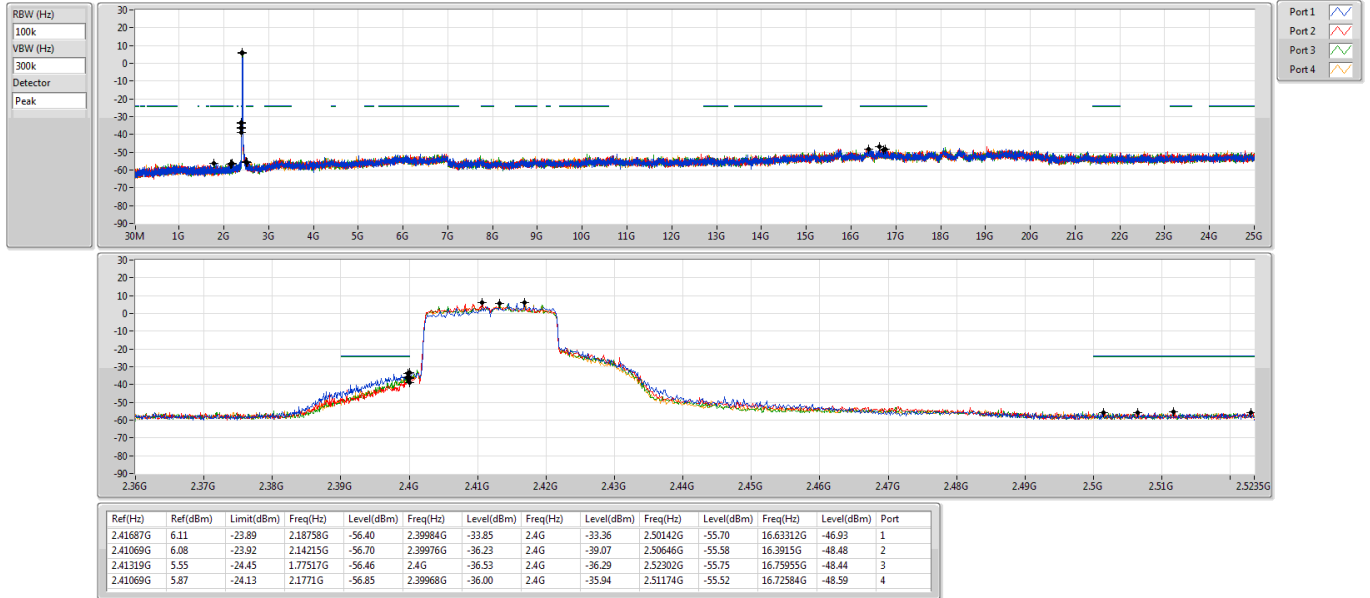




2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

CSEndB

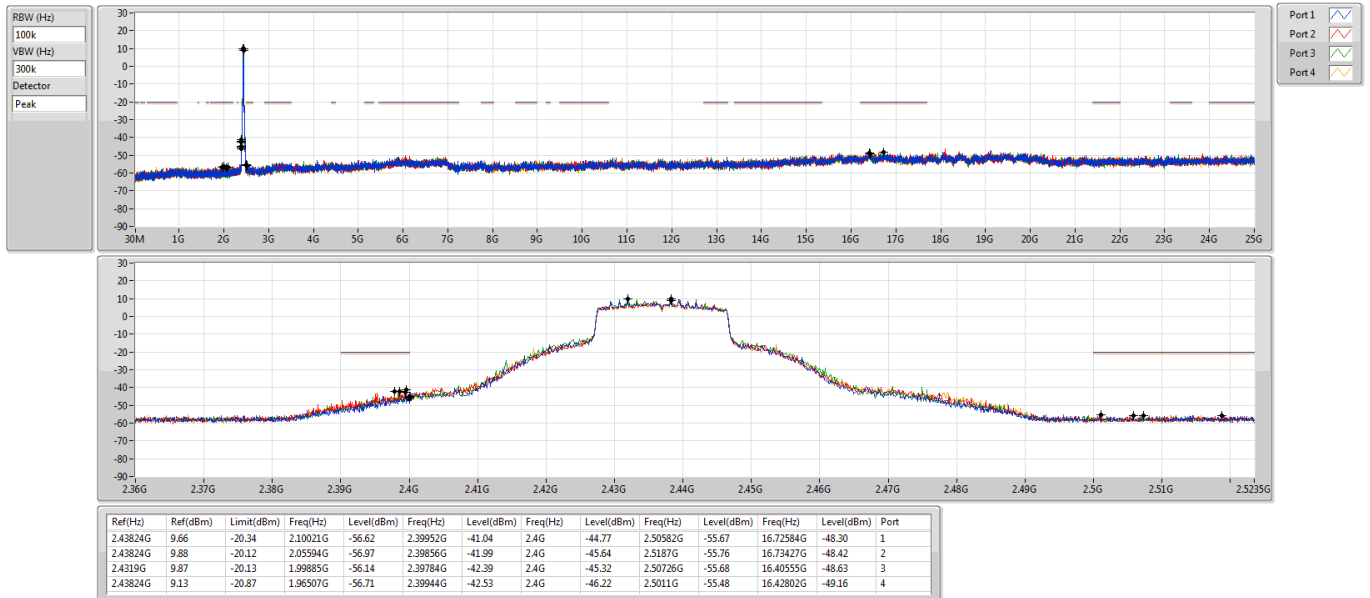
2412MHz



2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

CSEndB

2437MHz

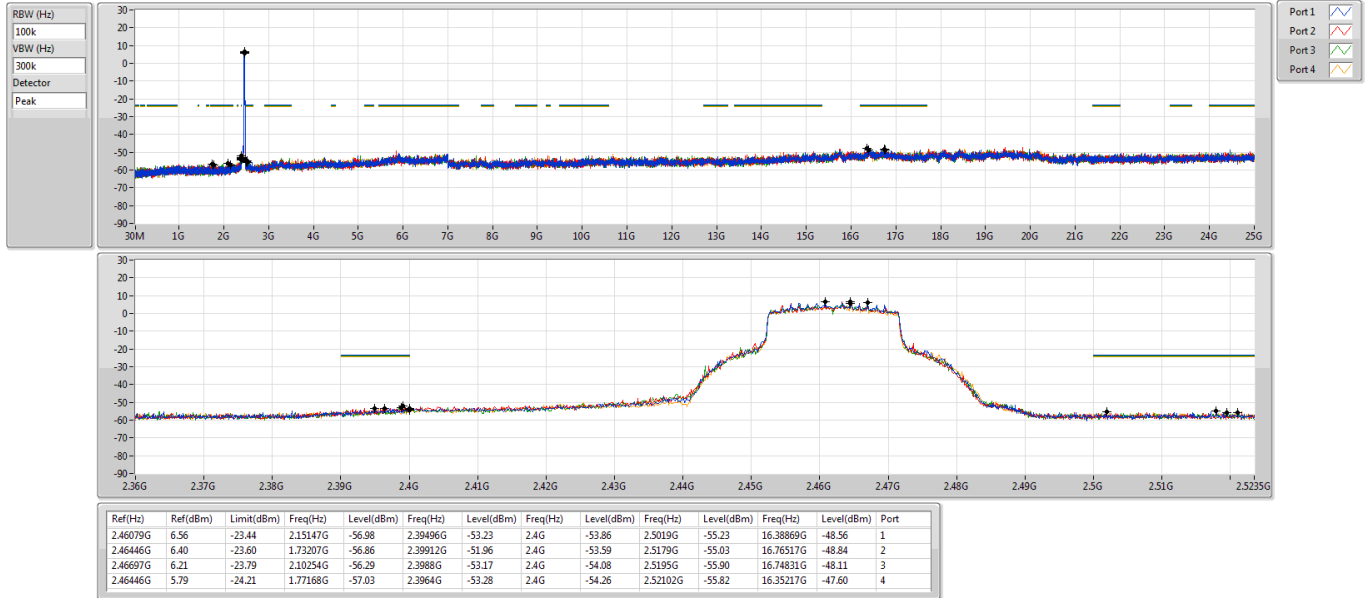




2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

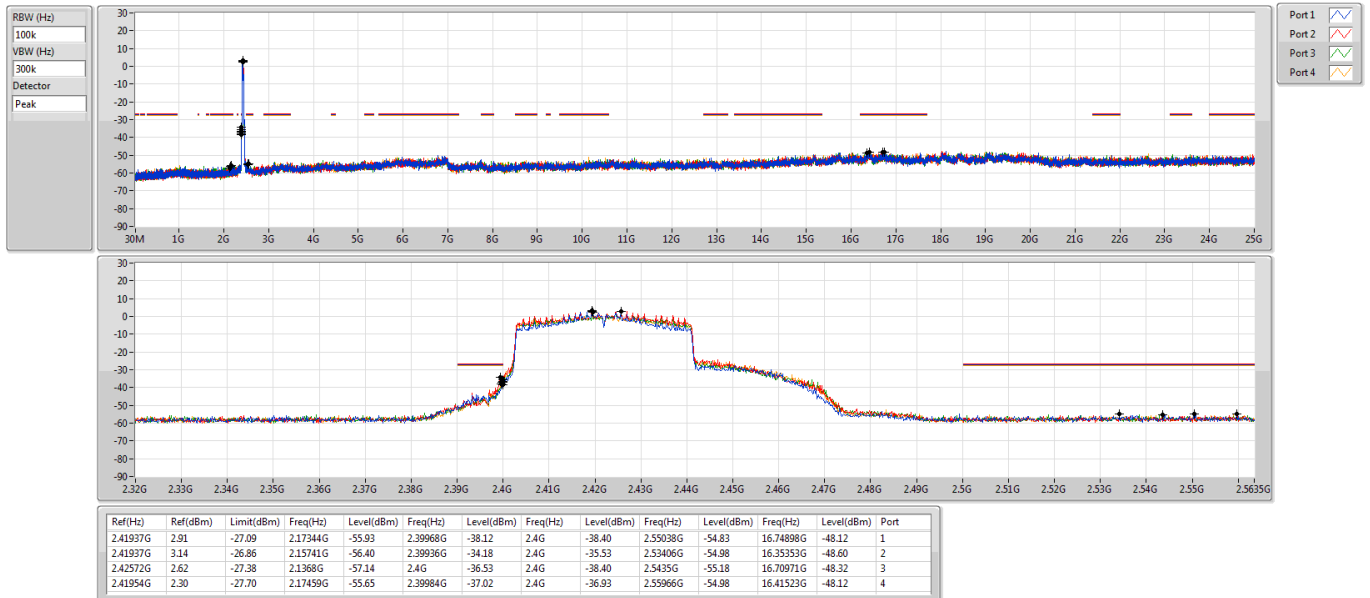
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSEndB

2422MHz

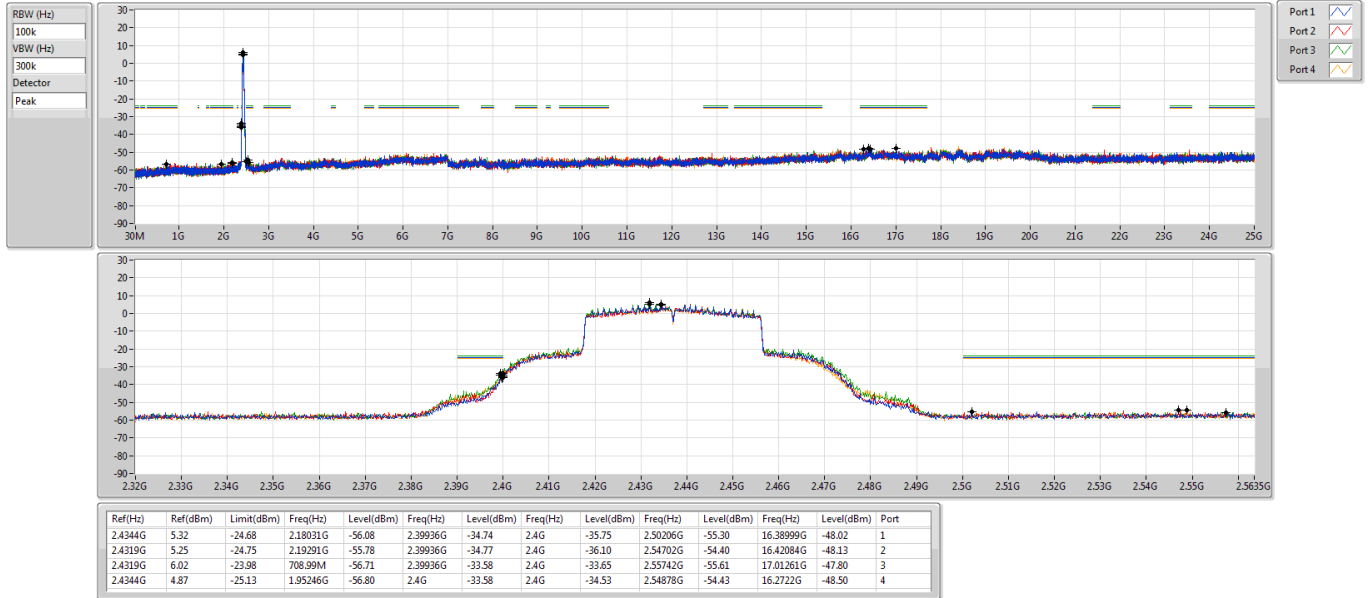




2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

CSEndB

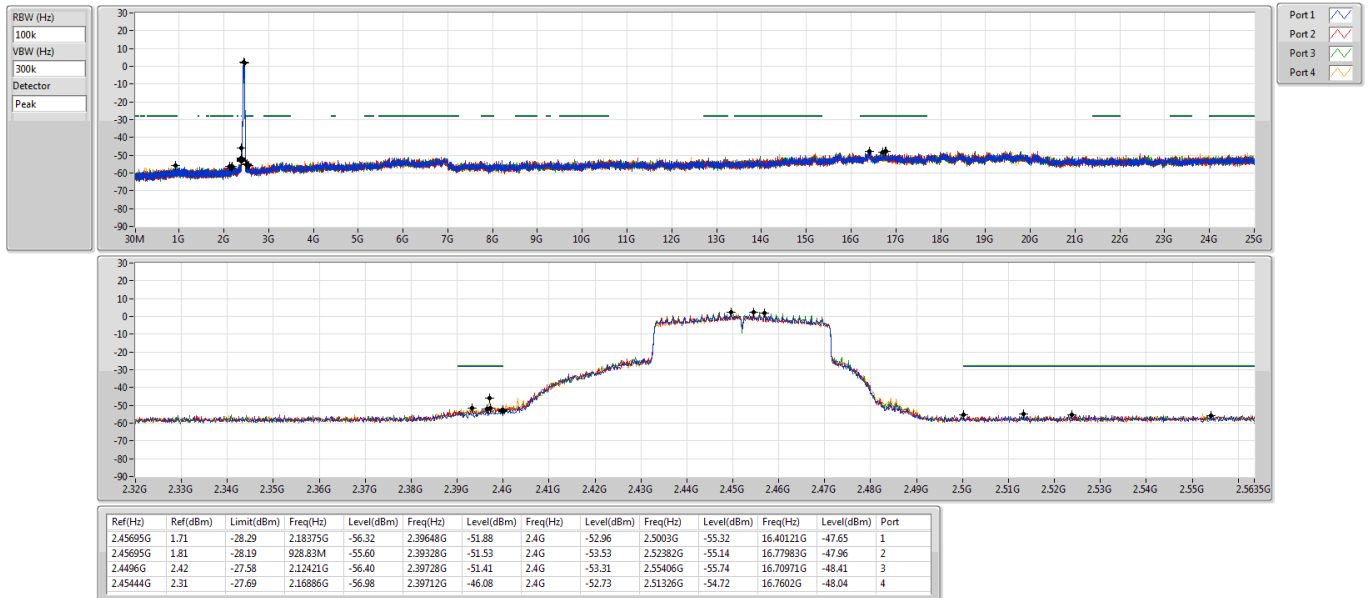
2437MHz



2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

CSEndB

2452MHz



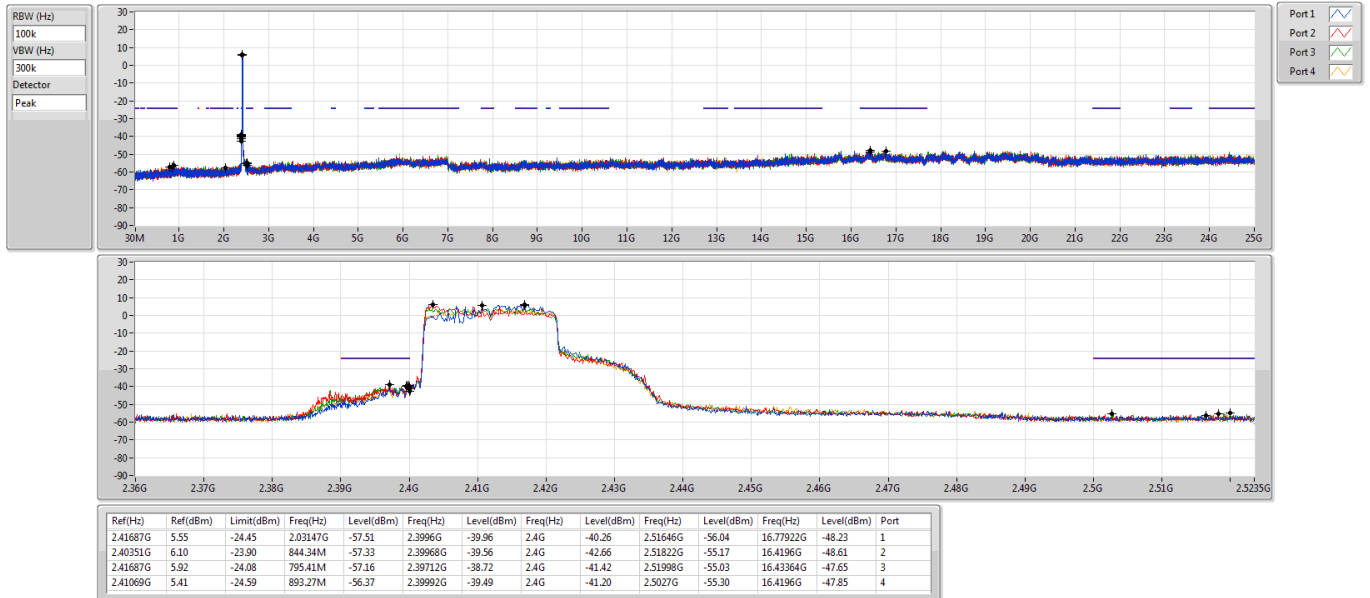


Beamforming mode

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

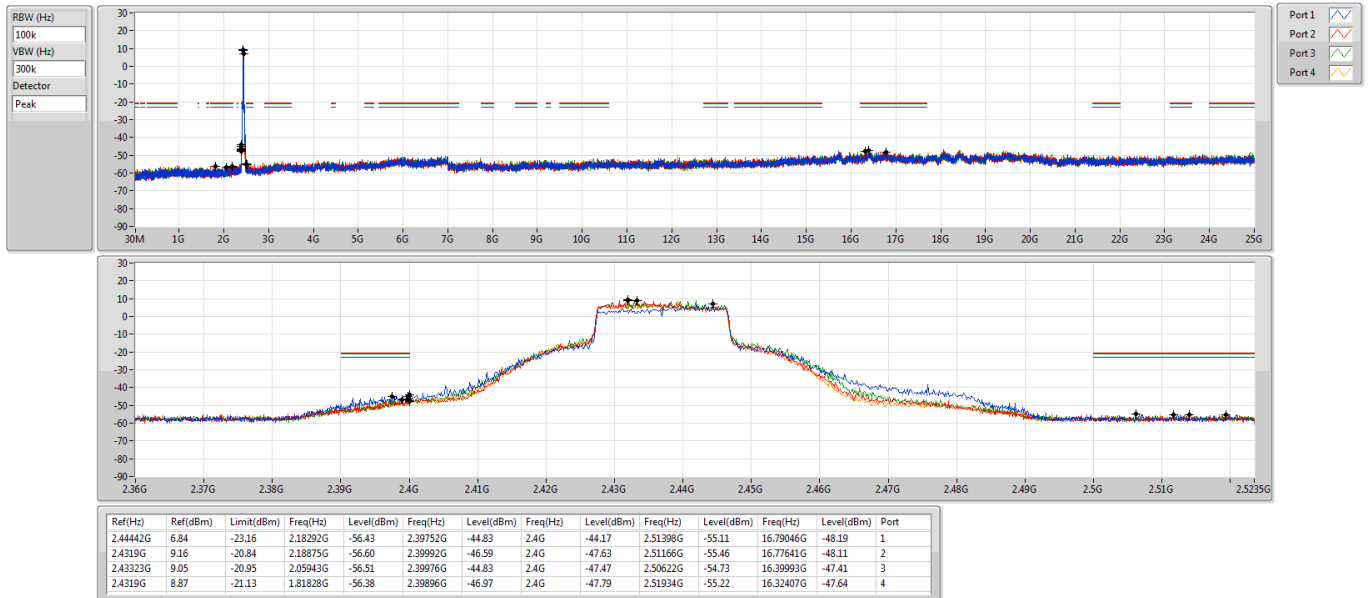
2412MHz



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

2437MHz

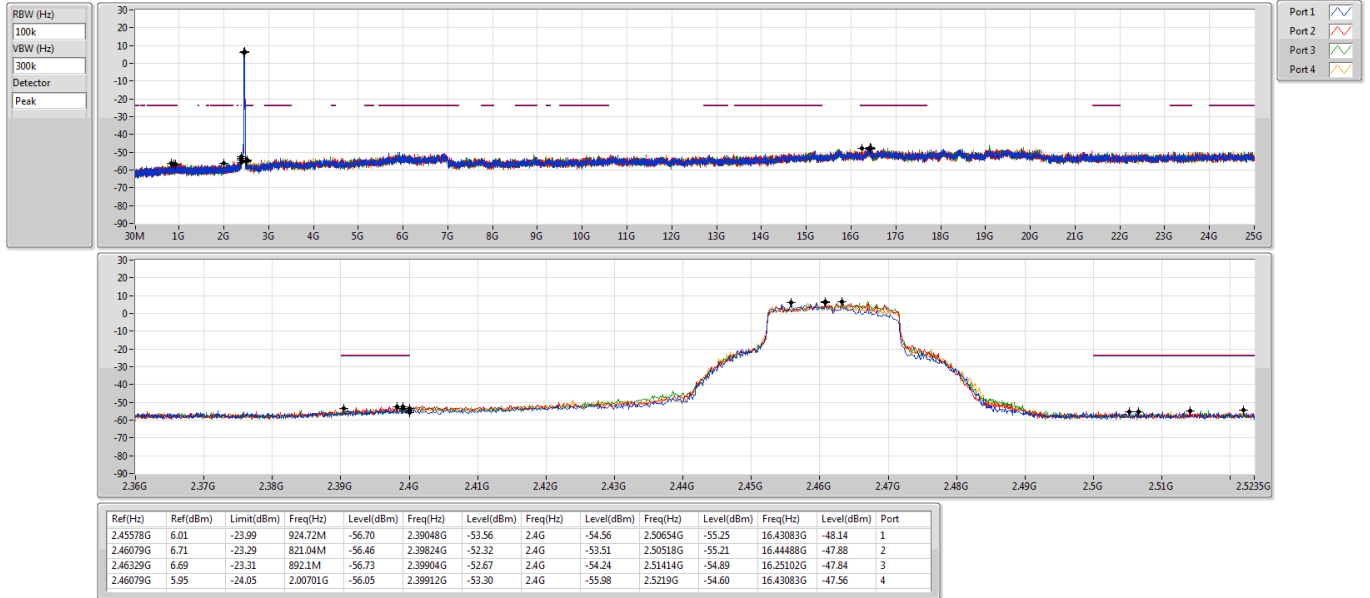




2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSEndB

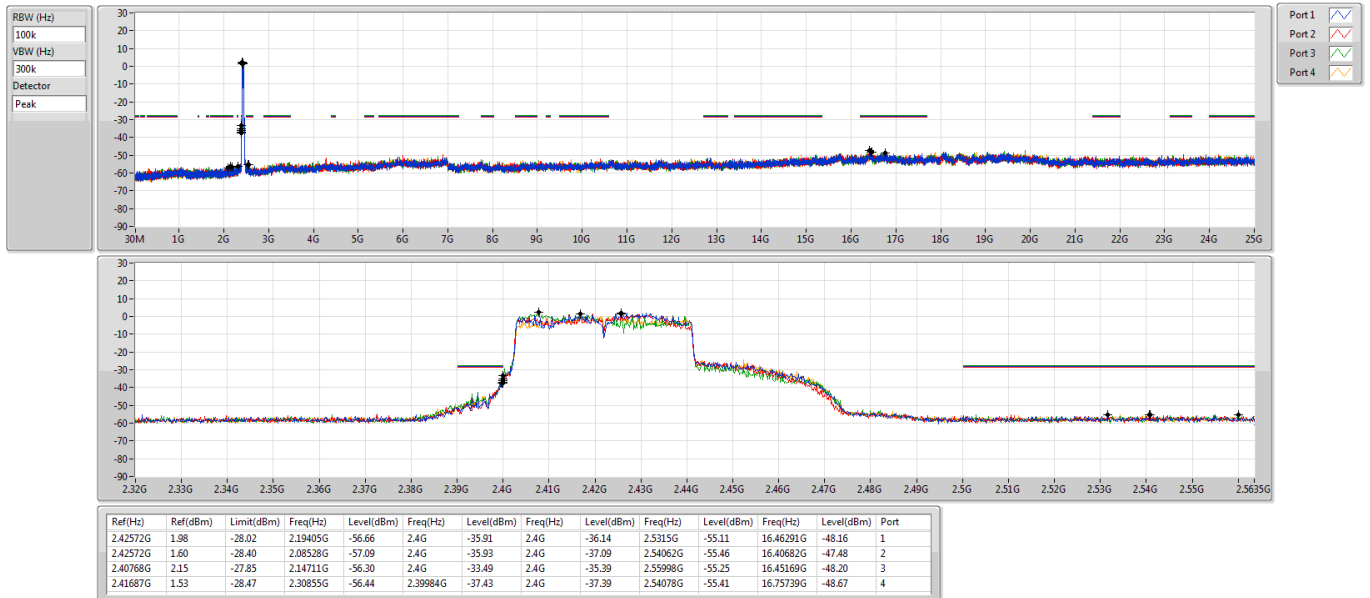
2462MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSEndB

2422MHz

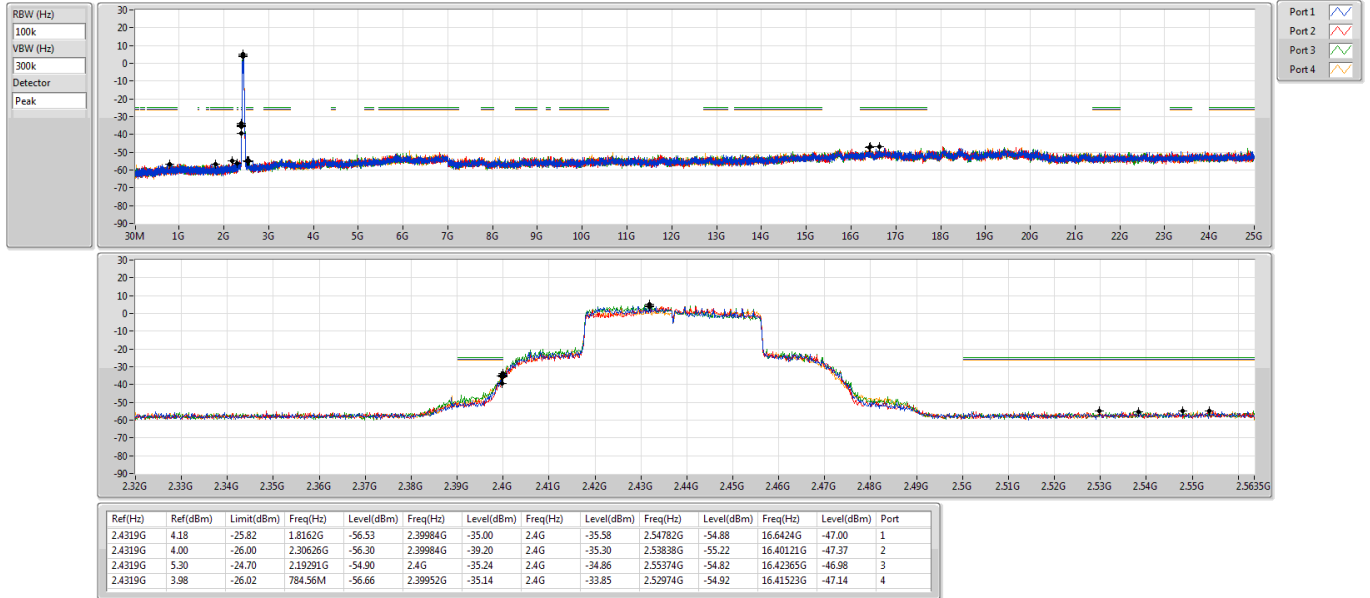




2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSEndB

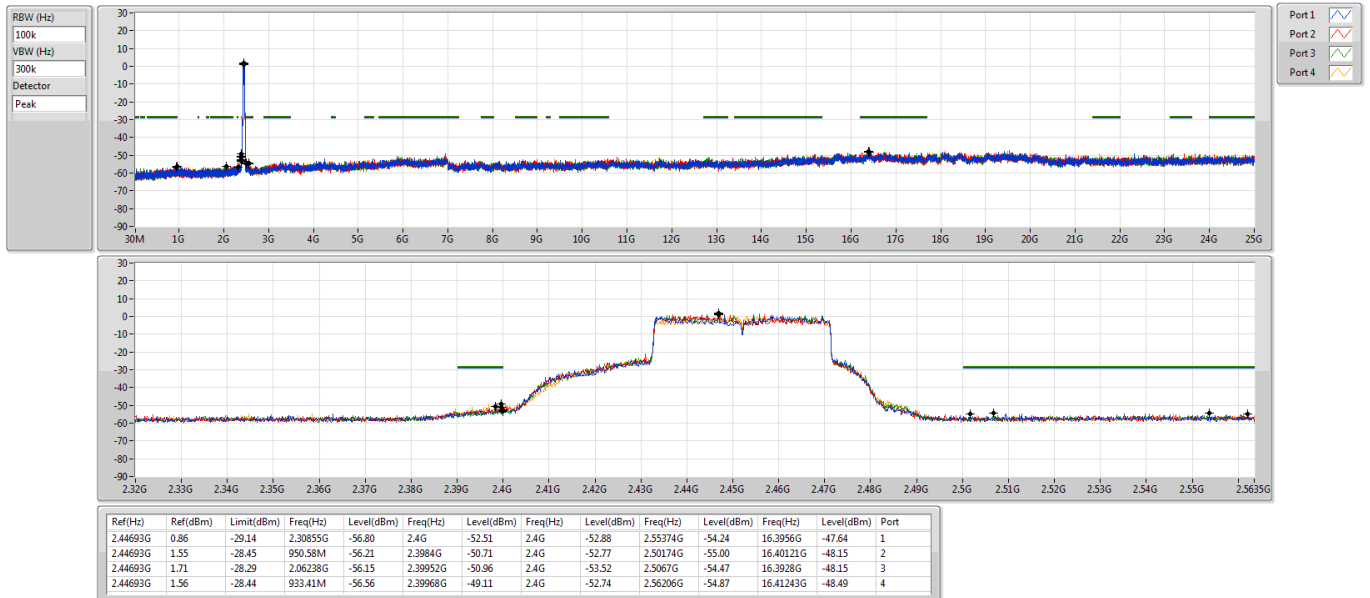
2437MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSEndB

2452MHz





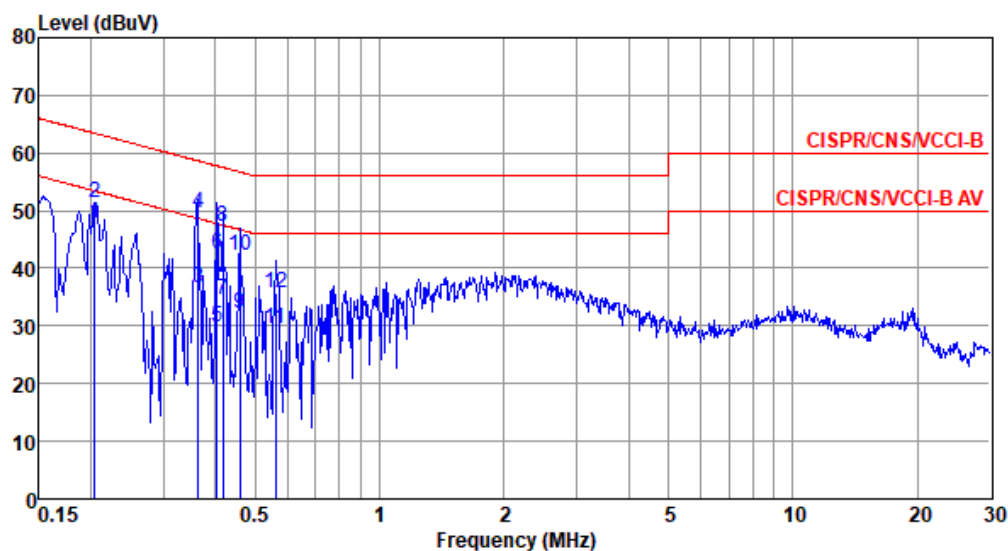
Non-beamforming mode

Modulation Mode	11b	Test Freq. (MHz)	2437
Power Phase	Line		

Test by : Joe Liao

Temperature: 22°C

Humidity: 63%

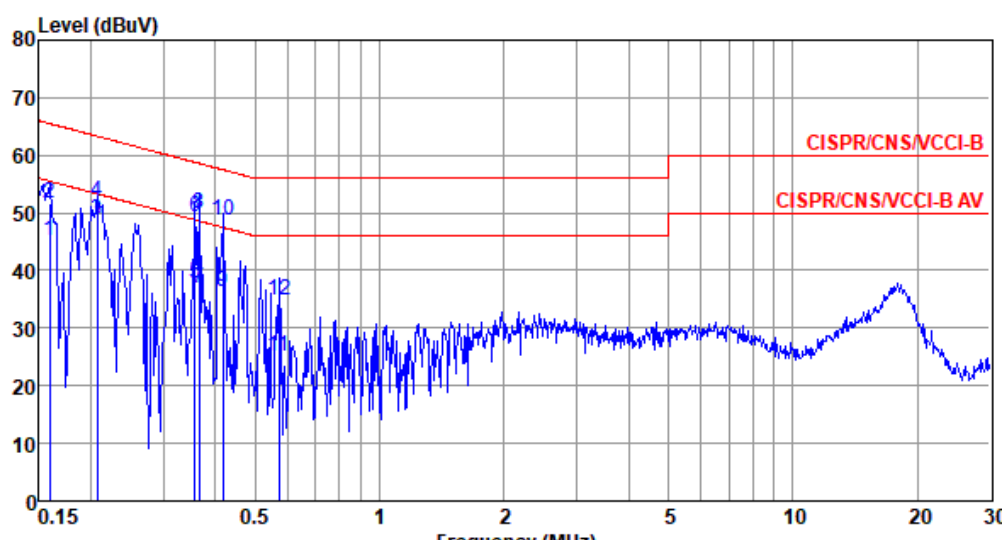


	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1*	0.204	47.85	53.45	-5.60	37.98	9.62	0.06	0.19	Average
2	0.204	51.44	63.45	-12.01	41.57	9.62	0.06	0.19	QP
3	0.363	36.60	48.65	-12.05	26.64	9.62	0.06	0.28	Average
4	0.363	49.55	58.65	-9.10	39.59	9.62	0.06	0.28	QP
5	0.404	29.87	47.77	-17.90	19.89	9.62	0.06	0.30	Average
6	0.404	42.64	57.77	-15.13	32.66	9.62	0.06	0.30	QP
7	0.417	34.39	47.51	-13.12	24.41	9.62	0.06	0.30	Average
8	0.417	47.33	57.51	-10.18	37.35	9.62	0.06	0.30	QP
9	0.459	32.11	46.71	-14.60	22.12	9.62	0.07	0.30	Average
10	0.459	42.18	56.71	-14.53	32.19	9.62	0.07	0.30	QP
11	0.561	29.65	46.00	-16.35	19.64	9.62	0.08	0.31	Average
12	0.561	35.65	56.00	-20.35	25.64	9.62	0.08	0.31	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) - Limit Line (dBUV).



Modulation Mode	11b	Test Freq. (MHz)	2437																																																																																																																																																						
Power Phase	Neutral																																																																																																																																																								
Test by : Joe Liao Temperature: 22°C Humidity: 63%																																																																																																																																																									
Level (dBuV)  Frequency (MHz) <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>Factor</th><th>Cable</th><th>Aux</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>Line</th><th>Limit</th><th>Level</th><th>dB</th><th>loss</th><th>dB</th><th>Remark</th></tr><tr><th></th><th></th><th></th><th>dBuV</th><th>dB</th><th>dBuV</th><th></th><th>dB</th><th></th><th></th></tr><tr><td>1</td><td>0.159</td><td>45.29</td><td>55.52</td><td>-10.23</td><td>35.42</td><td>9.63</td><td>0.06</td><td>0.18</td><td>Average</td></tr><tr><td>2</td><td>0.159</td><td>51.79</td><td>65.52</td><td>-13.73</td><td>41.92</td><td>9.63</td><td>0.06</td><td>0.18</td><td>QP</td></tr><tr><td>3*</td><td>0.207</td><td>48.85</td><td>53.32</td><td>-4.47</td><td>38.96</td><td>9.63</td><td>0.06</td><td>0.20</td><td>Average</td></tr><tr><td>4</td><td>0.207</td><td>52.03</td><td>63.32</td><td>-11.29</td><td>42.14</td><td>9.63</td><td>0.06</td><td>0.20</td><td>QP</td></tr><tr><td>5</td><td>0.358</td><td>37.82</td><td>48.78</td><td>-10.96</td><td>27.86</td><td>9.62</td><td>0.06</td><td>0.28</td><td>Average</td></tr><tr><td>6</td><td>0.358</td><td>49.16</td><td>58.78</td><td>-9.62</td><td>39.20</td><td>9.62</td><td>0.06</td><td>0.28</td><td>QP</td></tr><tr><td>7</td><td>0.365</td><td>36.79</td><td>48.61</td><td>-11.82</td><td>26.82</td><td>9.62</td><td>0.06</td><td>0.29</td><td>Average</td></tr><tr><td>8</td><td>0.365</td><td>49.77</td><td>58.61</td><td>-8.84</td><td>39.80</td><td>9.62</td><td>0.06</td><td>0.29</td><td>QP</td></tr><tr><td>9</td><td>0.417</td><td>36.41</td><td>47.51</td><td>-11.10</td><td>26.43</td><td>9.62</td><td>0.06</td><td>0.30</td><td>Average</td></tr><tr><td>10</td><td>0.417</td><td>48.82</td><td>57.51</td><td>-8.69</td><td>38.84</td><td>9.62</td><td>0.06</td><td>0.30</td><td>QP</td></tr><tr><td>11</td><td>0.570</td><td>25.14</td><td>46.00</td><td>-20.86</td><td>15.13</td><td>9.62</td><td>0.08</td><td>0.31</td><td>Average</td></tr><tr><td>12</td><td>0.570</td><td>34.80</td><td>56.00</td><td>-21.20</td><td>24.79</td><td>9.62</td><td>0.08</td><td>0.31</td><td>QP</td></tr></table>					Freq	Level	Limit	Over	Read	Factor	Cable	Aux			MHz	dBuV	Line	Limit	Level	dB	loss	dB	Remark				dBuV	dB	dBuV		dB			1	0.159	45.29	55.52	-10.23	35.42	9.63	0.06	0.18	Average	2	0.159	51.79	65.52	-13.73	41.92	9.63	0.06	0.18	QP	3*	0.207	48.85	53.32	-4.47	38.96	9.63	0.06	0.20	Average	4	0.207	52.03	63.32	-11.29	42.14	9.63	0.06	0.20	QP	5	0.358	37.82	48.78	-10.96	27.86	9.62	0.06	0.28	Average	6	0.358	49.16	58.78	-9.62	39.20	9.62	0.06	0.28	QP	7	0.365	36.79	48.61	-11.82	26.82	9.62	0.06	0.29	Average	8	0.365	49.77	58.61	-8.84	39.80	9.62	0.06	0.29	QP	9	0.417	36.41	47.51	-11.10	26.43	9.62	0.06	0.30	Average	10	0.417	48.82	57.51	-8.69	38.84	9.62	0.06	0.30	QP	11	0.570	25.14	46.00	-20.86	15.13	9.62	0.08	0.31	Average	12	0.570	34.80	56.00	-21.20	24.79	9.62	0.08	0.31	QP
	Freq	Level	Limit	Over	Read	Factor	Cable	Aux																																																																																																																																																	
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Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).																																																																																																																																																									



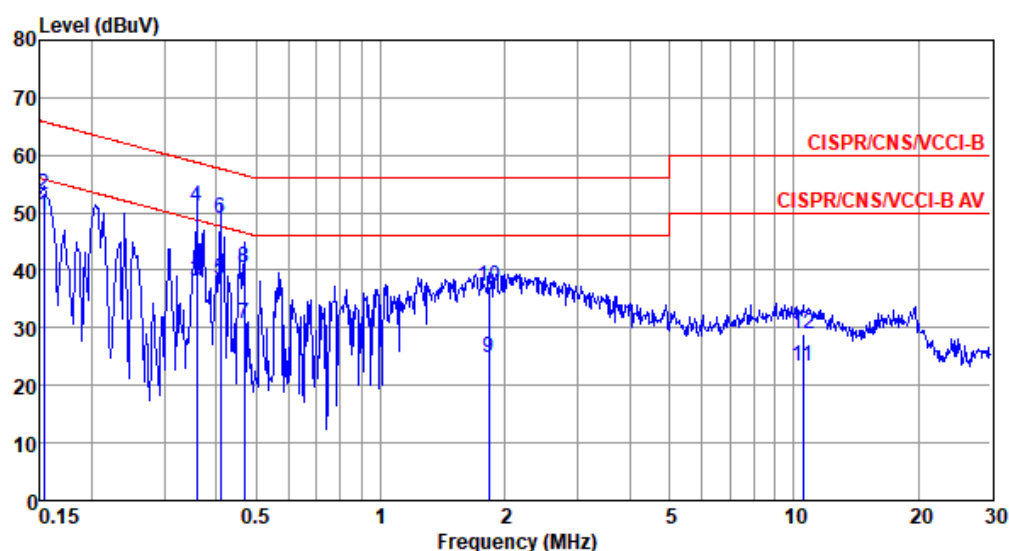
Beamforming mode

Modulation Mode	ax HE20	Test Freq. (MHz)	2437
Power Phase	Line		

Test by : Joe Liao

Temperature: 22°C

Humidity: 63%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1*	0.153	49.55	55.82	-6.27	39.68	9.63	0.06	0.18	Average
2	0.153	53.15	65.82	-12.67	43.28	9.63	0.06	0.18	QP
3	0.360	38.05	48.74	-10.69	28.09	9.62	0.06	0.28	Average
4	0.360	50.99	58.74	-7.75	41.03	9.62	0.06	0.28	QP
5	0.410	38.45	47.64	-9.19	28.47	9.62	0.06	0.30	Average
6	0.410	48.91	57.64	-8.73	38.93	9.62	0.06	0.30	QP
7	0.469	30.62	46.54	-15.92	20.62	9.62	0.07	0.31	Average
8	0.469	40.53	56.54	-16.01	30.53	9.62	0.07	0.31	QP
9	1.829	24.84	46.00	-21.16	14.72	9.63	0.13	0.36	Average
10	1.829	37.13	56.00	-18.87	27.01	9.63	0.13	0.36	QP
11	10.508	23.23	50.00	-26.77	12.72	9.69	0.37	0.45	Average
12	10.508	28.85	60.00	-31.15	18.34	9.69	0.37	0.45	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) - Limit Line (dBUV).



Modulation Mode	ax HE20	Test Freq. (MHz)	2437
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 22°C

Humidity: 63%

Freq	Level	Limit	Over	Read	Factor	Cable	Aux	Remark	
MHz	dBuV	Line	Limit	Level	dB	loss	dB		
		dBuV	dB	dBuV		dB			
1*	0.204	44.77	53.45	-8.68	34.89	9.63	0.06	0.19	Average
2	0.204	48.00	63.45	-15.45	38.12	9.63	0.06	0.19	QP
3	0.365	28.56	48.61	-20.05	18.59	9.62	0.06	0.29	Average
4	0.365	45.43	58.61	-13.18	35.46	9.62	0.06	0.29	QP
5	0.381	20.23	48.25	-28.02	10.26	9.62	0.06	0.29	Average
6	0.381	37.51	58.25	-20.74	27.54	9.62	0.06	0.29	QP
7	0.461	33.34	46.67	-13.33	23.35	9.62	0.07	0.30	Average
8	0.461	47.79	56.67	-8.88	37.80	9.62	0.07	0.30	QP
9	2.622	13.50	46.00	-32.50	3.33	9.64	0.15	0.38	Average
10	2.622	24.04	56.00	-31.96	13.87	9.64	0.15	0.38	QP
11	17.199	33.18	50.00	-16.82	22.43	9.78	0.47	0.50	Average
12	17.199	38.40	60.00	-21.60	27.65	9.78	0.47	0.50	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Non-beamforming mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.064M	16.571M	16M6D1D	19.668M	16.439M
802.11ax HEW20_Nss1,(MCS0)_4TX	31.284M	19.07M	19M1D1D	19.866M	18.861M
802.11ax HEW40_Nss1,(MCS0)_4TX	59.928M	37.961M	38M0D1D	39.204M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	80.256M	76.642M	76M6D1D	79.992M	76.522M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.998M	16.597M	16M6D1D	19.8M	16.439M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.598M	19.07M	19M1D1D	21.45M	18.981M
802.11ax HEW40_Nss1,(MCS0)_4TX	39.336M	37.541M	37M5D1D	39.072M	37.361M
802.11ax HEW80_Nss1,(MCS0)_4TX	80.256M	76.522M	76M5D1D	79.992M	76.402M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	31.812M	16.835M	16M8D1D	15.525M	13.328M
802.11ax HEW20_Nss1,(MCS0)_4TX	30.756M	19.19M	19M2D1D	15.915M	14.528M
802.11ax HEW40_Nss1,(MCS0)_4TX	52.008M	37.721M	37M7D1D	34.615M	33.548M
802.11ax HEW80_Nss1,(MCS0)_4TX	87.912M	77.121M	77M1D1D	75.15M	72.864M
802.11ax HEW160_Nss1,(MCS0)_4TX	162.096M	155.202M	155MD1D	161.568M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.368M	20.74M	20M7D1D	3.14M	3.718M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.074M	21.409M	21M4D1D	4.48M	4.578M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.884M	38.201M	38M2D1D	4M	4.078M
802.11ax HEW80_Nss1,(MCS0)_4TX	74.976M	77.001M	77M0D1D	3.88M	4.238M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.8M	16.518M	19.668M	16.439M	19.866M	16.492M	20.064M	16.465M
5200MHz	Pass	Inf	19.932M	16.571M	19.998M	16.518M	19.8M	16.465M	19.8M	16.439M
5240MHz	Pass	Inf	20.064M	16.571M	19.734M	16.571M	19.866M	16.492M	19.8M	16.518M
5260MHz	Pass	Inf	19.866M	16.545M	19.866M	16.465M	19.8M	16.439M	19.866M	16.439M
5300MHz	Pass	Inf	19.866M	16.597M	19.866M	16.518M	19.932M	16.465M	19.8M	16.439M
5320MHz	Pass	Inf	19.998M	16.545M	19.8M	16.492M	19.8M	16.465M	19.866M	16.465M
5500MHz	Pass	Inf	26.202M	16.808M	29.106M	16.756M	31.812M	16.835M	28.248M	16.808M
5580MHz	Pass	Inf	21.582M	16.676M	20.856M	16.624M	20.724M	16.624M	20.922M	16.597M
5700MHz	Pass	Inf	27.258M	16.835M	26.532M	16.835M	24.684M	16.782M	24.948M	16.729M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.615M	13.358M	15.645M	13.328M	15.54M	13.343M	15.525M	13.328M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.758M	3.16M	3.718M	3.14M	3.718M	3.16M	3.718M
5745MHz	Pass	500k	16.302M	20.661M	16.302M	18.444M	16.302M	18.84M	16.302M	20.74M
5785MHz	Pass	500k	16.368M	17.072M	16.302M	16.914M	16.368M	16.914M	16.368M	17.442M
5825MHz	Pass	500k	16.368M	17.442M	16.302M	17.151M	16.302M	18.154M	16.368M	17.89M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	27.192M	19.01M	25.212M	19.07M	26.4M	19.04M	22.374M	19.07M
5200MHz	Pass	Inf	22.902M	19.01M	22.704M	19.01M	24.024M	19.01M	31.284M	19.01M
5240MHz	Pass	Inf	19.866M	18.861M	19.866M	18.861M	19.866M	18.861M	19.866M	18.861M
5260MHz	Pass	Inf	23.958M	19.07M	22.77M	19.01M	22.77M	19.01M	23.562M	19.04M
5300MHz	Pass	Inf	22.704M	19.01M	21.45M	19.04M	22.308M	19.01M	23.958M	19.04M
5320MHz	Pass	Inf	24.354M	19.04M	26.598M	18.981M	21.714M	19.04M	22.836M	19.04M
5500MHz	Pass	Inf	30.756M	19.19M	28.182M	19.16M	30.096M	19.16M	27.456M	19.16M
5580MHz	Pass	Inf	22.308M	19.07M	21.978M	19.1M	21.582M	19.07M	21.846M	19.07M
5700MHz	Pass	Inf	27.06M	19.19M	25.74M	19.1M	28.116M	19.16M	27.786M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.99M	14.558M	15.915M	14.558M	16.185M	14.528M	16.38M	14.573M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	4.598M	4.5M	4.578M	4.48M	4.598M	4.52M	4.578M
5745MHz	Pass	500k	18.942M	21.409M	18.942M	19.79M	19.008M	19.97M	18.942M	21.349M
5785MHz	Pass	500k	19.008M	19.37M	18.942M	19.31M	18.942M	19.34M	19.074M	19.49M
5825MHz	Pass	500k	18.942M	19.28M	18.81M	19.25M	18.942M	19.58M	19.008M	19.46M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.204M	37.541M	39.336M	37.481M	39.336M	37.481M	39.336M	37.481M
5230MHz	Pass	Inf	59.532M	37.901M	53.988M	37.841M	59.928M	37.961M	59.268M	37.841M
5270MHz	Pass	Inf	39.072M	37.541M	39.336M	37.481M	39.336M	37.481M	39.204M	37.421M
5310MHz	Pass	Inf	39.336M	37.481M	39.072M	37.361M	39.204M	37.421M	39.072M	37.481M
5510MHz	Pass	Inf	42.636M	37.601M	43.956M	37.661M	41.976M	37.661M	41.844M	37.661M
5590MHz	Pass	Inf	39.336M	37.541M	39.204M	37.541M	39.336M	37.541M	39.204M	37.601M
5670MHz	Pass	Inf	49.236M	37.721M	46.068M	37.721M	41.448M	37.721M	52.008M	37.721M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.825M	33.618M	34.72M	33.583M	34.615M	33.583M	34.86M	33.548M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	4.078M	4.02M	4.078M	4M	4.078M	4.06M	4.078M
5755MHz	Pass	500k	37.884M	37.901M	33.66M	37.721M	34.716M	37.721M	35.772M	37.841M
5795MHz	Pass	500k	35.508M	38.141M	33.792M	38.021M	35.772M	38.081M	35.244M	38.201M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	79.992M	76.522M	79.992M	76.522M	80.256M	76.522M	80.256M	76.642M
5290MHz	Pass	Inf	80.256M	76.522M	80.256M	76.522M	80.256M	76.522M	79.992M	76.402M
5530MHz	Pass	Inf	87.912M	77.001M	80.784M	76.882M	87.384M	77.001M	85.8M	77.121M
5610MHz	Pass	Inf	79.992M	76.882M	80.256M	77.001M	80.256M	76.762M	80.256M	76.882M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.3M	72.939M	75.15M	72.864M	75.15M	72.939M	75.225M	72.939M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.778M	3.88M	4.258M	4.02M	4.238M	4M	5.137M
5775MHz	Pass	500k	74.184M	77.001M	74.976M	76.882M	71.016M	76.642M	74.976M	77.001M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	162.096M	154.963M	162.096M	154.963M	162.096M	155.202M	161.568M	154.723M

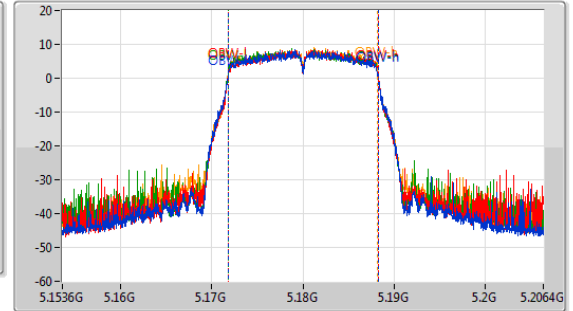
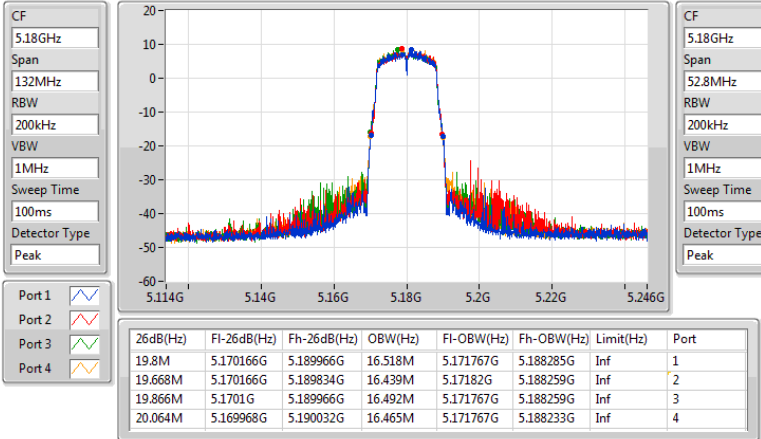
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

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

EBW

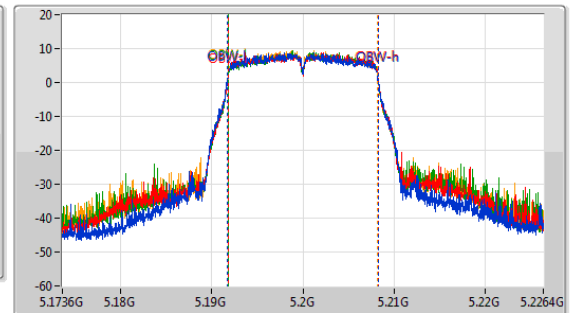
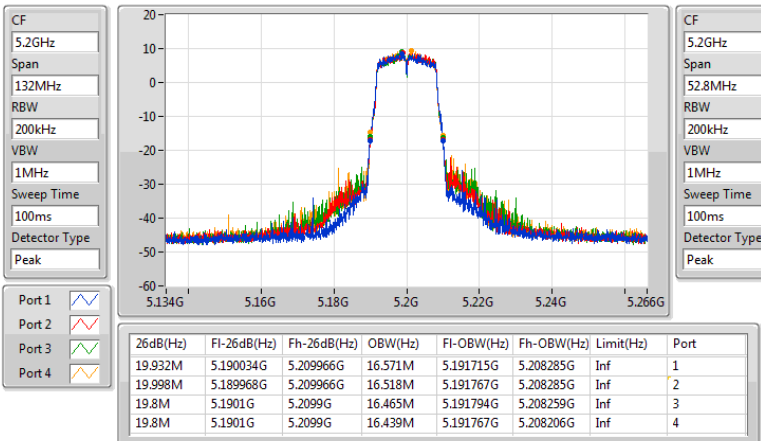
5180MHz



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

EBW

5200MHz

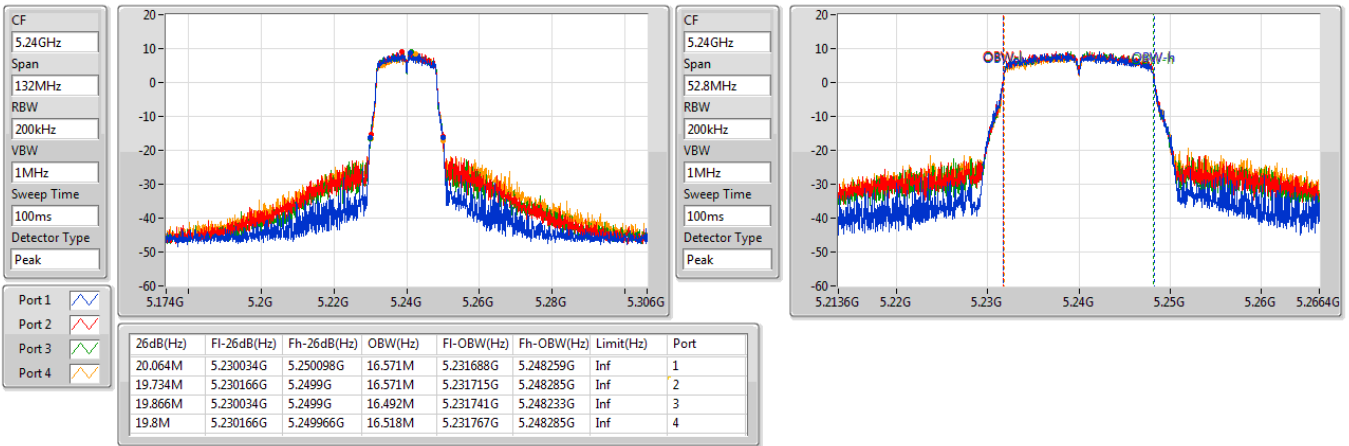




5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

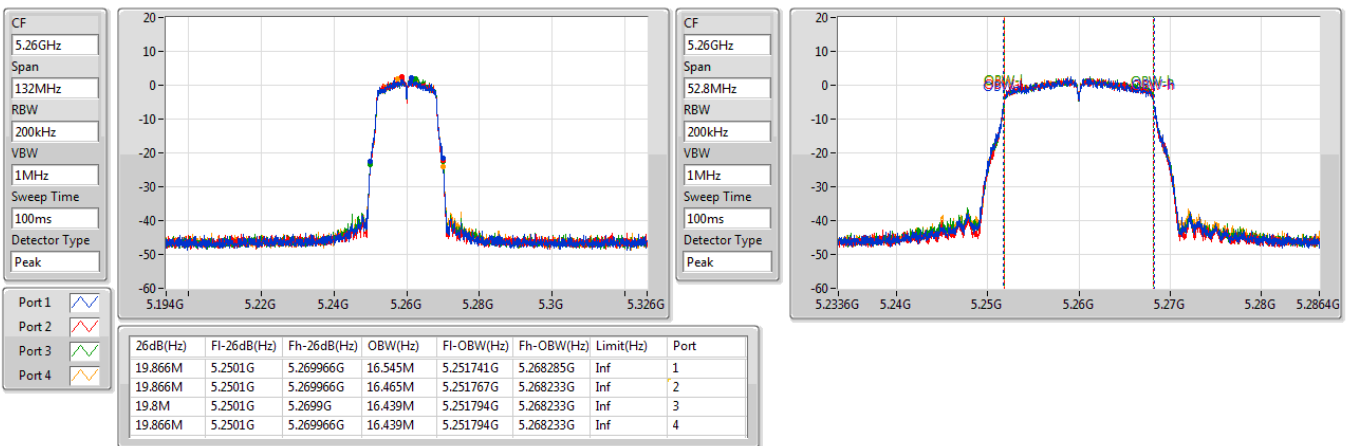
5240MHz



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

EBW

5260MHz

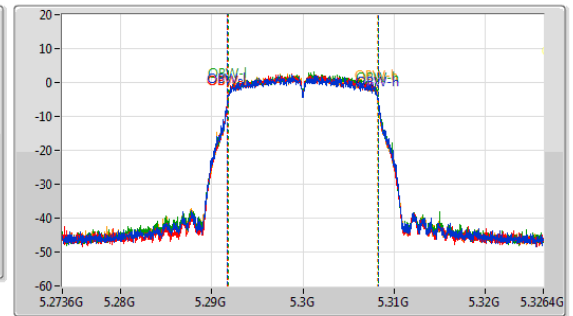
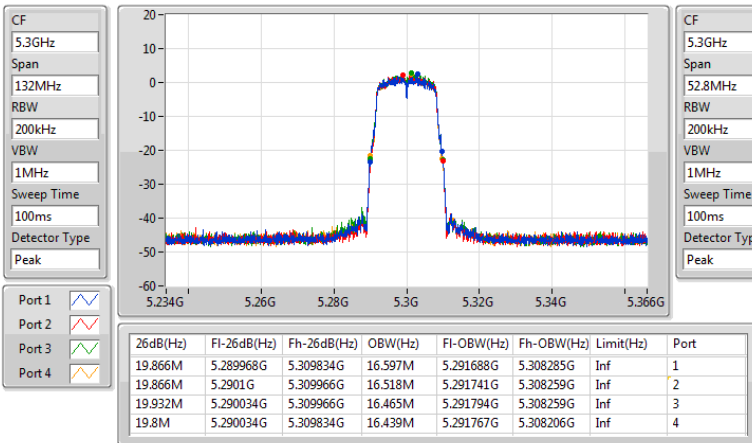




5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

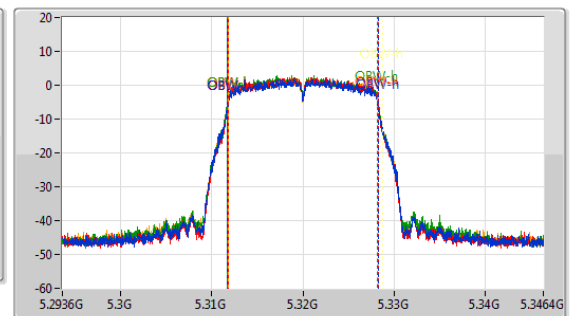
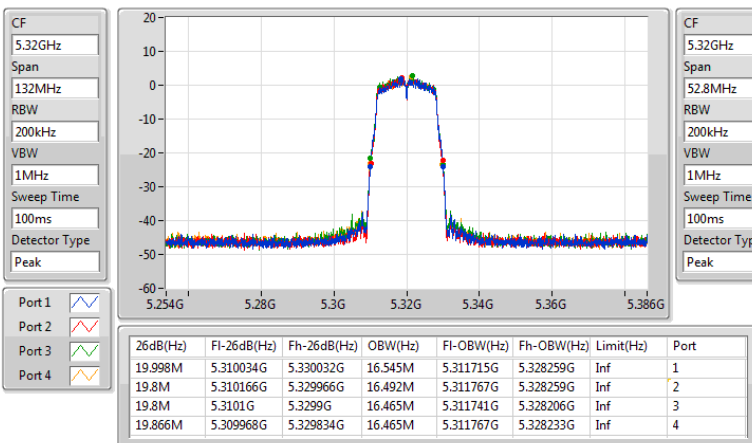
5300MHz



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

EBW

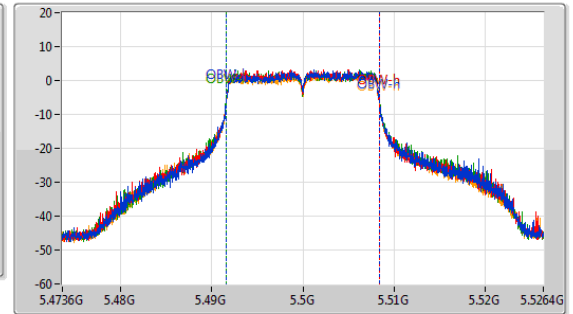
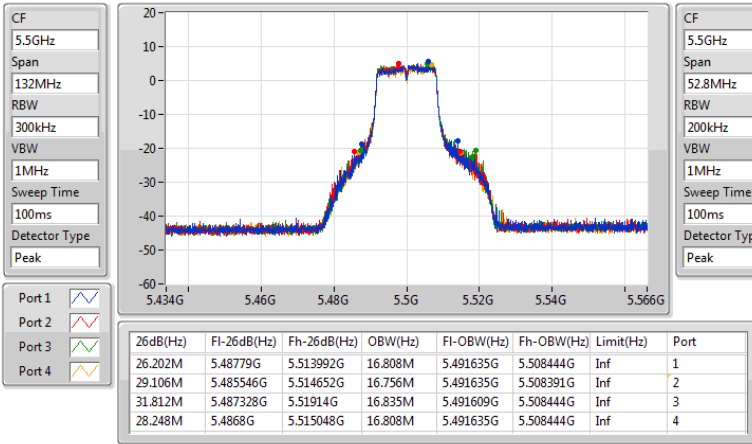
5320MHz



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

EBW

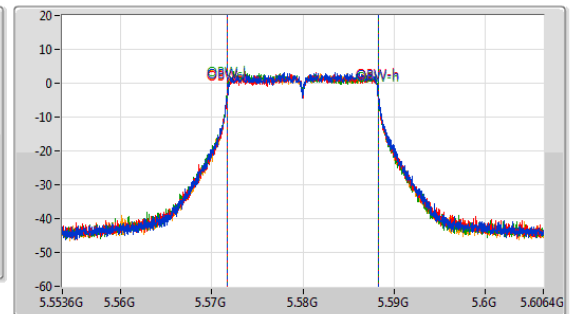
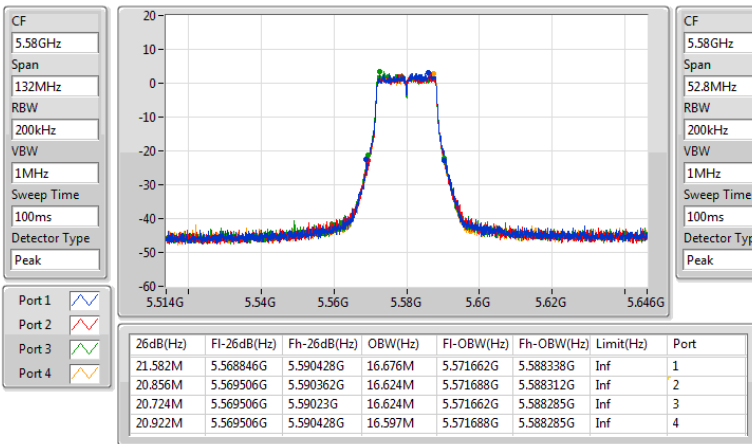
5500MHz



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

EBW

5580MHz

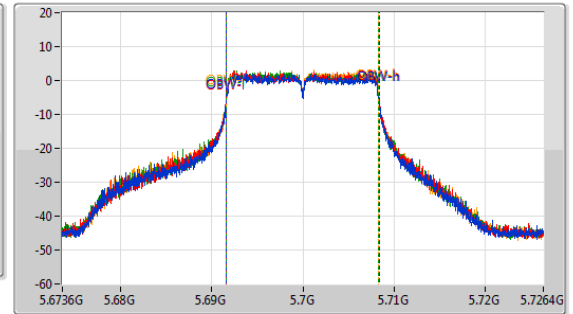
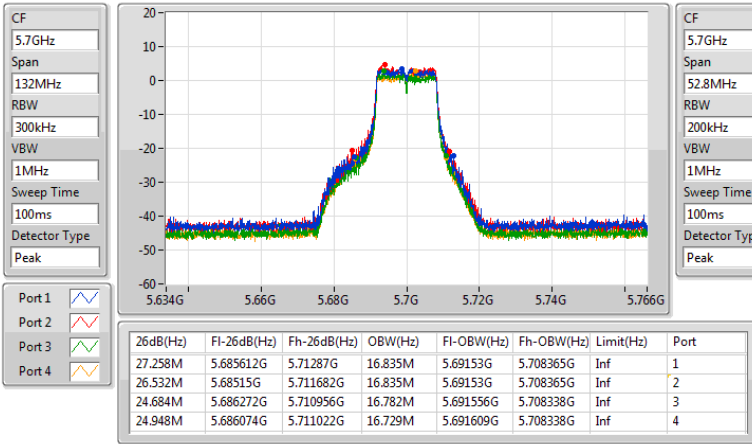




5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

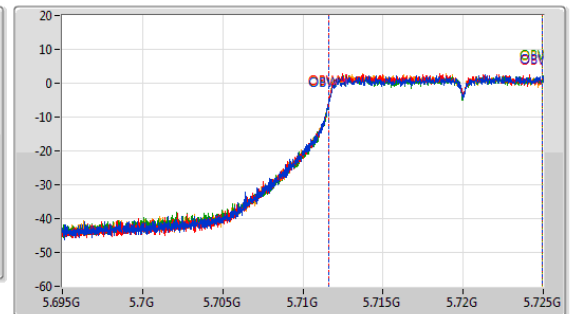
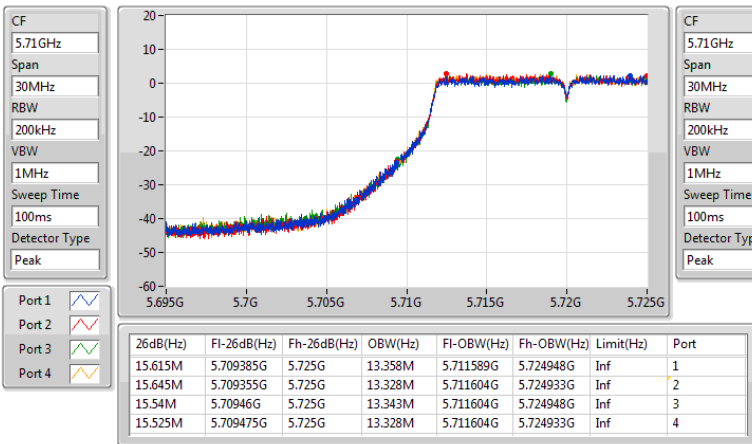
5700MHz



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

EBW

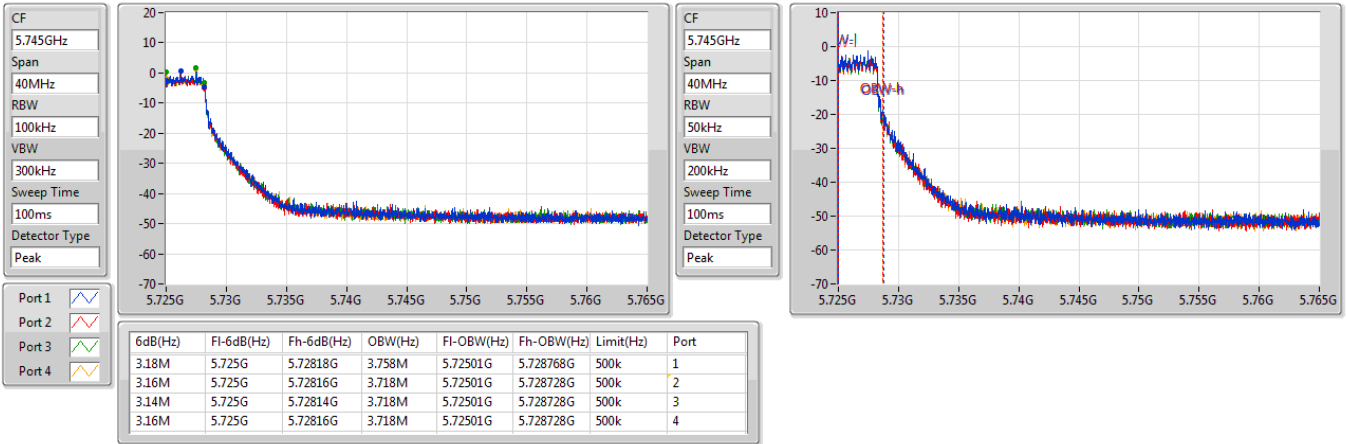
5720MHz Straddle 5.47-5.725GHz



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

EBW

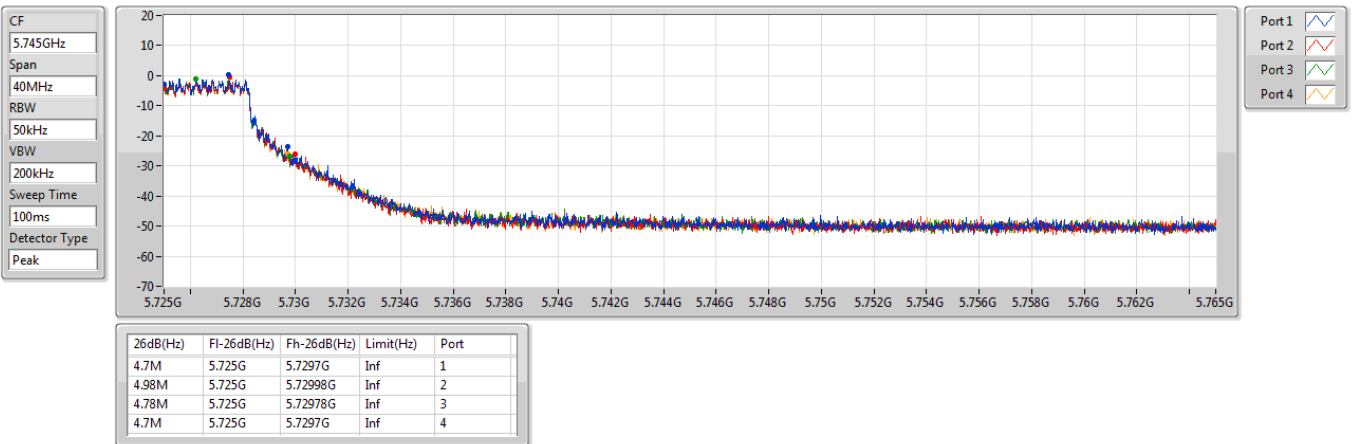
5720MHz Straddle 5.725-5.85GHz



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

EBW

5720MHz Straddle 5.725-5.85GHz

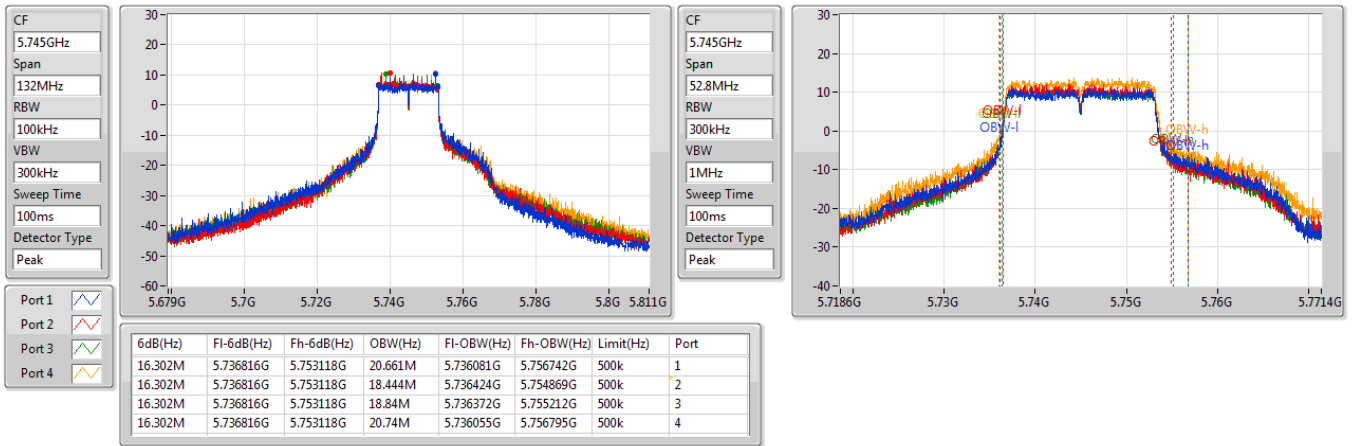




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

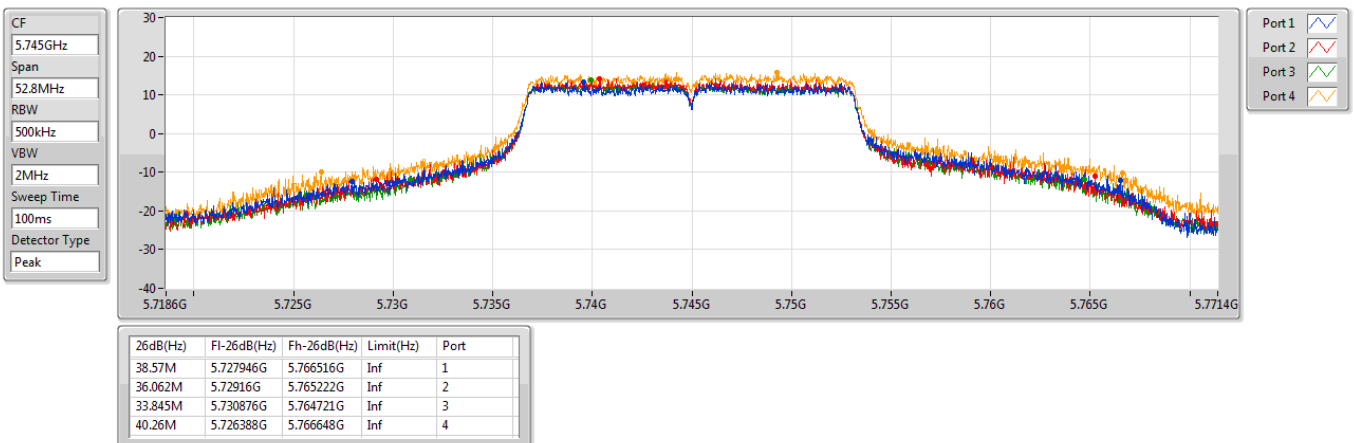
5745MHz



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

EBW

5745MHz

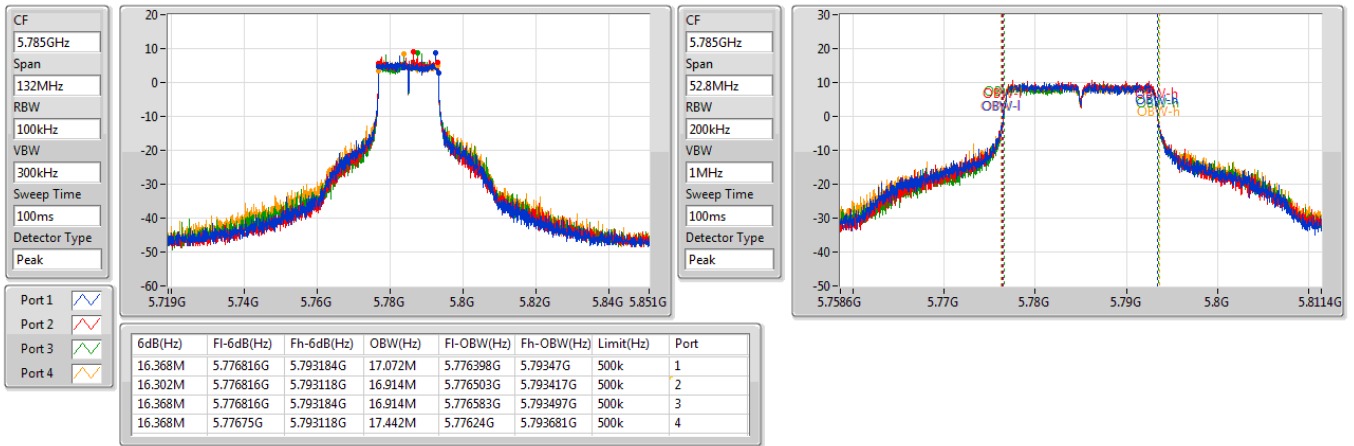




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

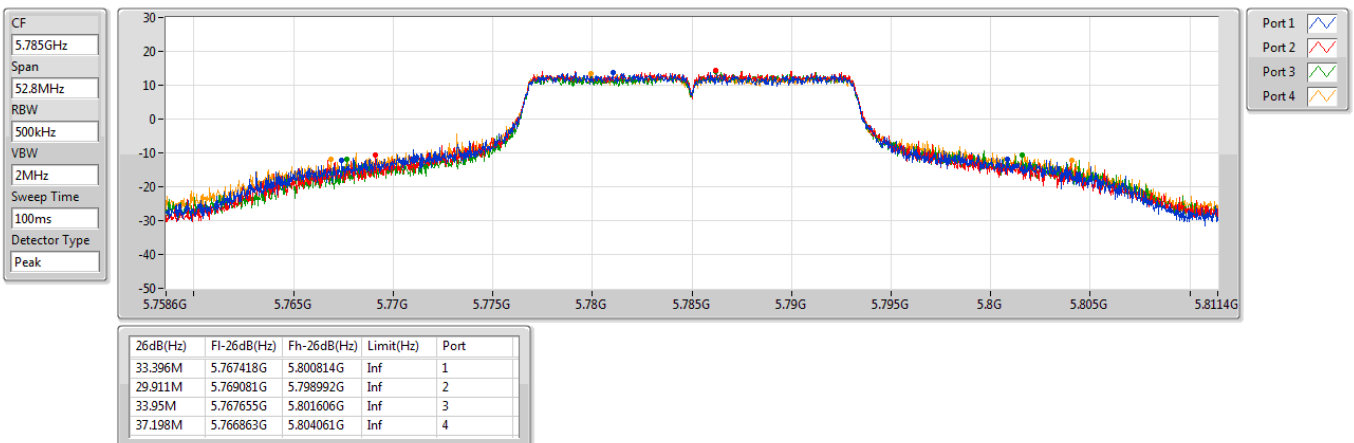
5785MHz



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

EBW

5785MHz

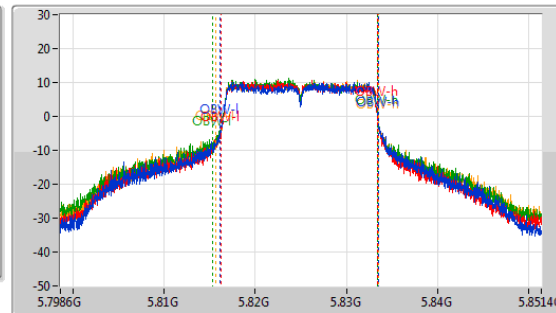
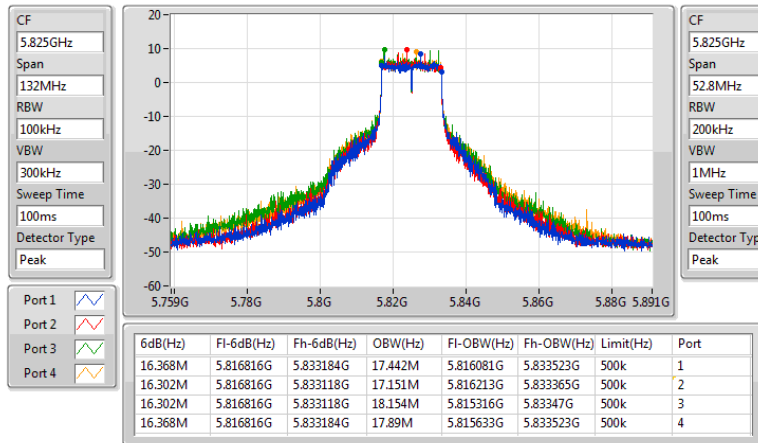




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

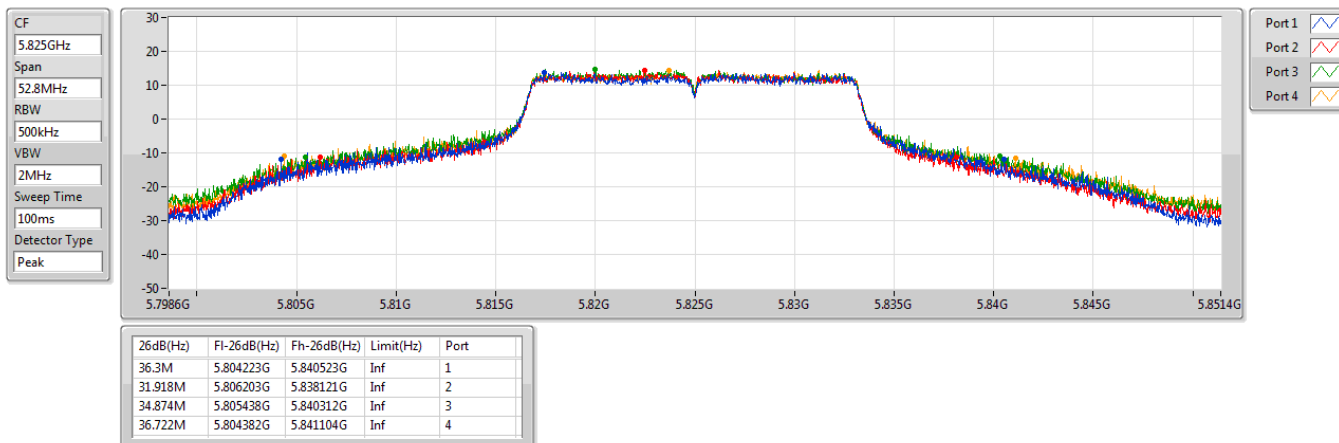
5825MHz



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

EBW

5825MHz

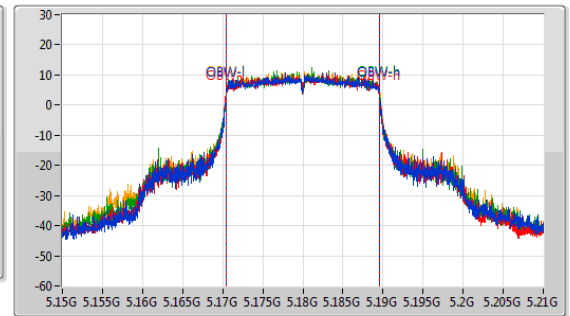
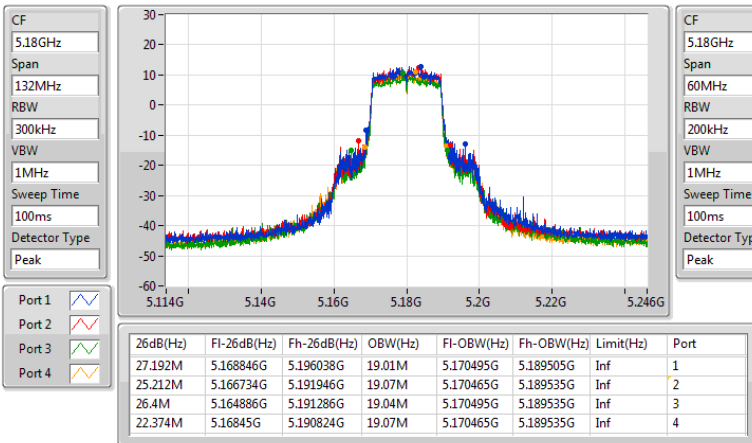




5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz



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

EBW

5200MHz

