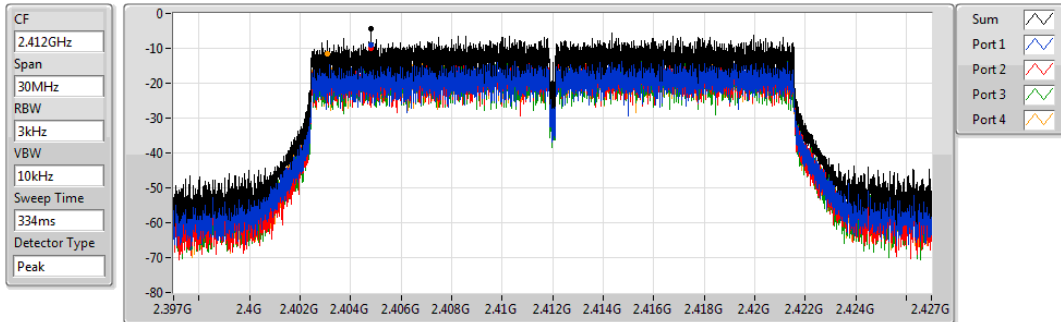


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

26/01/2019



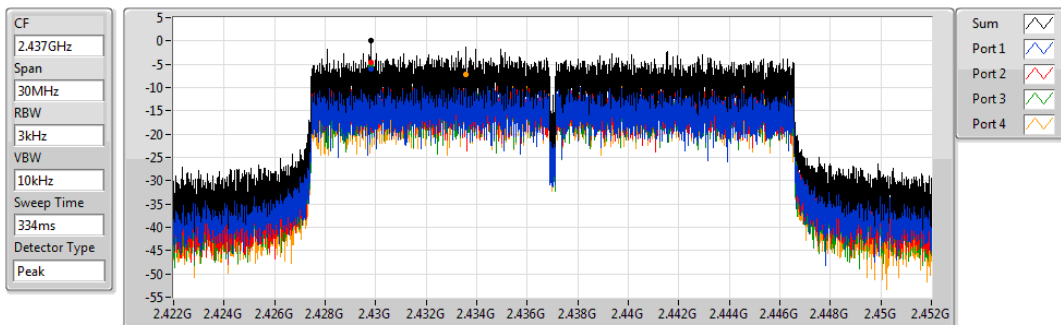
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.36	-4.36	-9.21	-10.14	-9.76	-11.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

26/01/2019



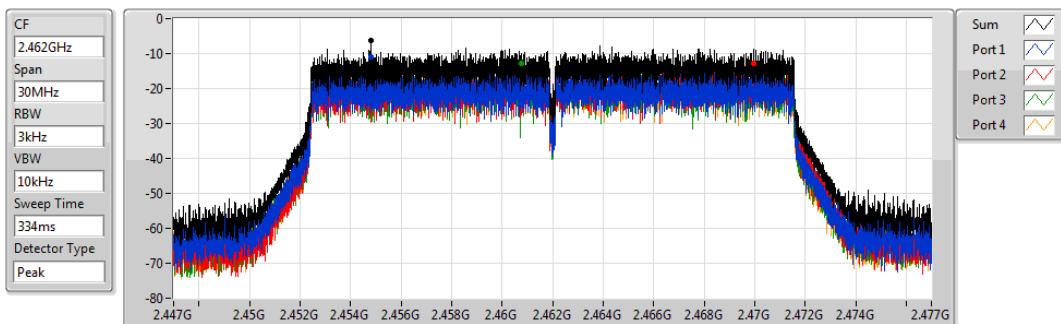
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.11	0.11	-6.00	-4.62	-5.21	-7.30

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

26/01/2019



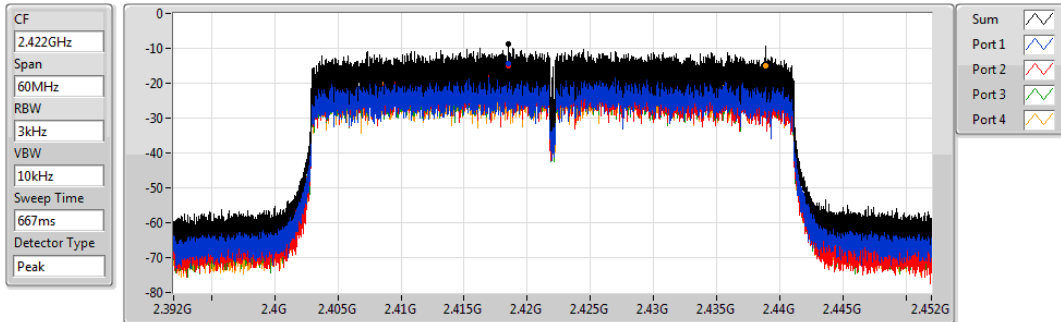
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.17	-6.17	-10.89	-12.88	-12.80	-11.00

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

26/01/2019



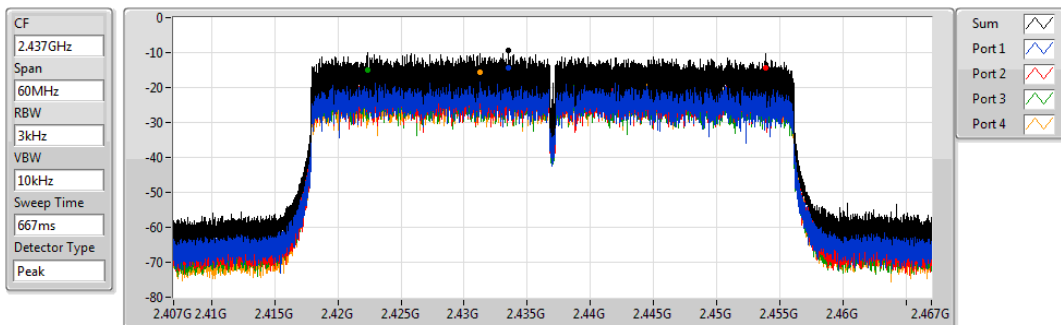
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.87	-8.87	-14.27	-14.95	-14.49	-15.03

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

26/01/2019



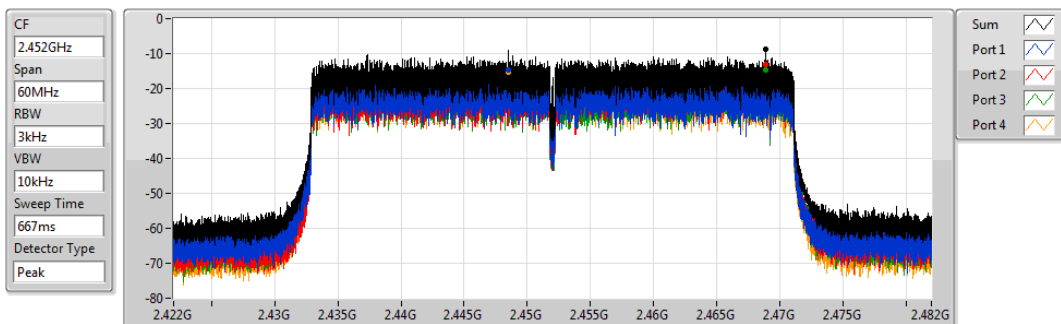
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.40	-9.40	-14.24	-14.41	-15.01	-15.67

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

26/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.78	-8.78	-14.65	-13.09	-14.67	-15.34



PSD Result

Appendix D.5

For Non-beamforming / 4T4S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.78
802.11ax HEW40_Nss4,(MCS0)_4TX	-9.25

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_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.00	-11.62	-11.45	-11.65	-10.69	-7.18	8.00
2437MHz	Pass	3.00	-7.77	-8.05	-8.21	-7.23	-3.78	8.00
2462MHz	Pass	3.00	-12.05	-11.42	-12.69	-11.51	-8.34	8.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.00	-16.05	-15.54	-15.16	-14.07	-10.50	8.00
2437MHz	Pass	3.00	-15.29	-14.95	-14.57	-13.88	-9.25	8.00
2452MHz	Pass	3.00	-16.56	-15.82	-16.00	-16.00	-11.45	8.00

DG = Directional Gain; RBW=3kHz;

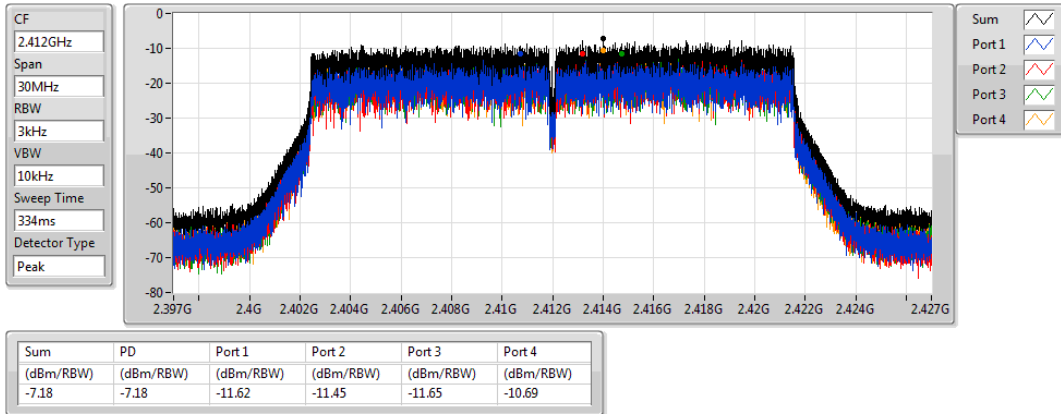
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2412MHz

25/01/2019

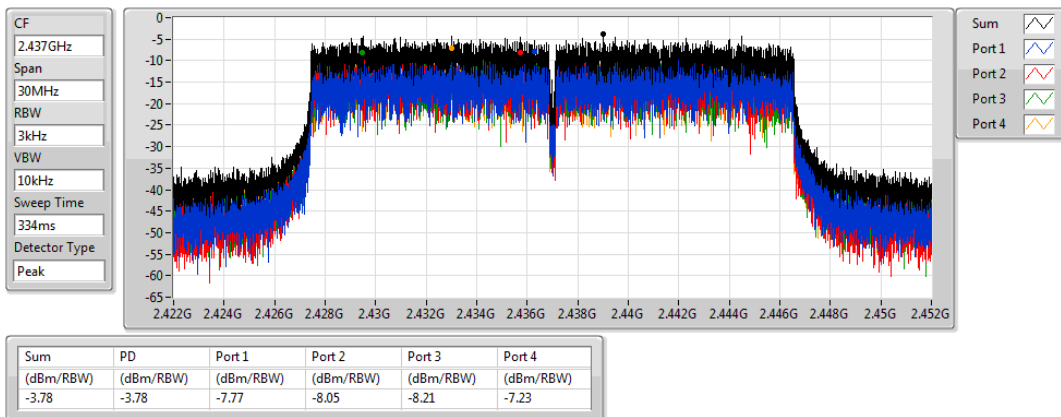


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2437MHz

25/01/2019

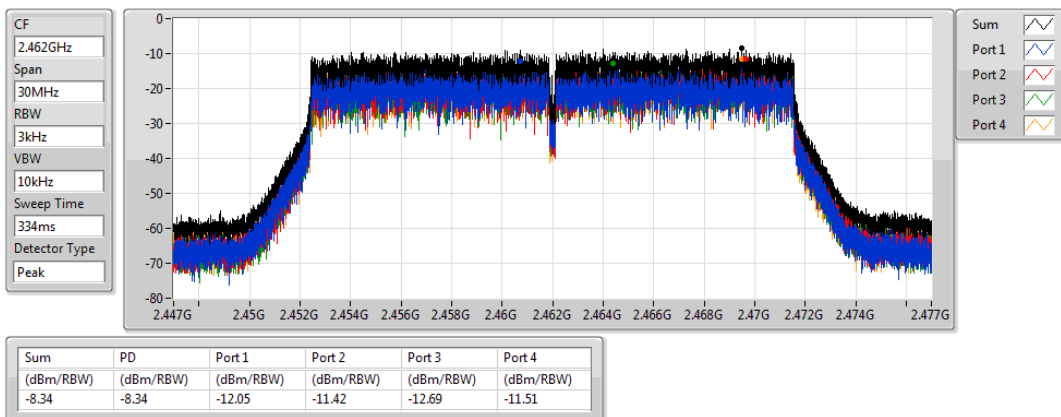


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2462MHz

25/01/2019

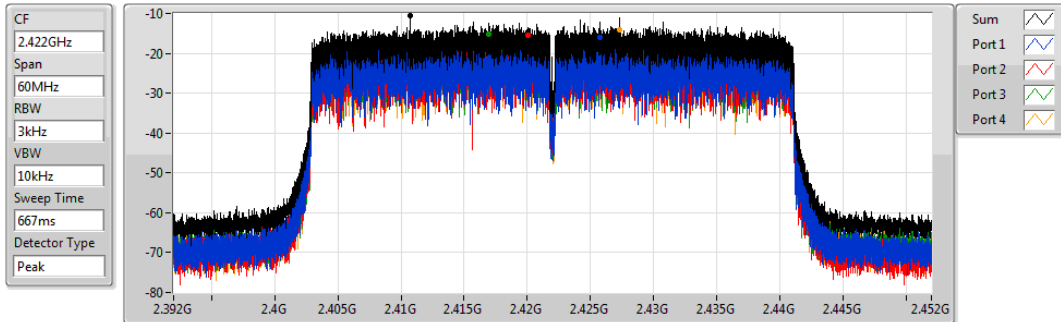


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2422MHz

25/01/2019



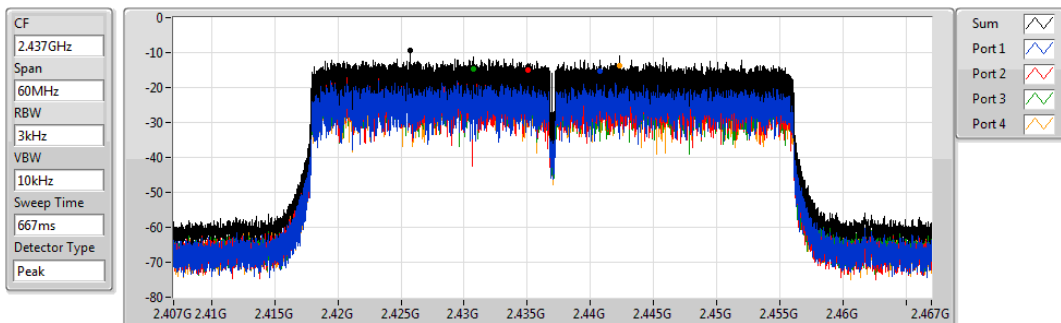
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.50	-10.50	-16.05	-15.54	-15.16	-14.07

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2437MHz

25/01/2019



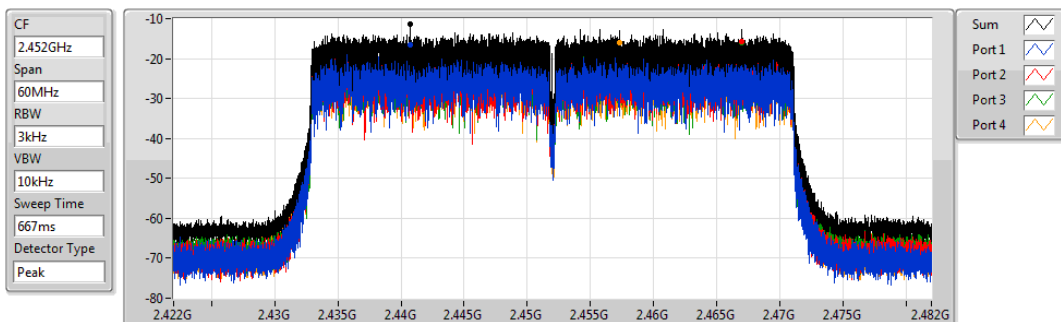
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-15.29	-14.95	-14.57	-13.88

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2452MHz

25/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.45	-11.45	-16.56	-15.82	-16.00	-16.00



PSD Result

Appendix D.6

For Mode 2: (Ant. 7 Omni antenna / 4 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.39
802.11g_Nss1,(6Mbps)_1TX	-4.02
802.11ax HEW20_Nss1,(MCS0)_1TX	-4.27
802.11ax HEW40_Nss1,(MCS0)_1TX	-10.40

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-0.21	-0.21	8.00
2437MHz	Pass	4.00	0.39	0.39	8.00
2462MHz	Pass	4.00	0.06	0.06	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-8.46	-8.46	8.00
2437MHz	Pass	4.00	-4.02	-4.02	8.00
2462MHz	Pass	4.00	-9.26	-9.26	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-9.26	-9.26	8.00
2437MHz	Pass	4.00	-4.27	-4.27	8.00
2462MHz	Pass	4.00	-11.78	-11.78	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.00	-11.50	-11.50	8.00
2437MHz	Pass	4.00	-10.40	-10.40	8.00
2452MHz	Pass	4.00	-12.45	-12.45	8.00

DG = Directional Gain; RBW=3kHz;

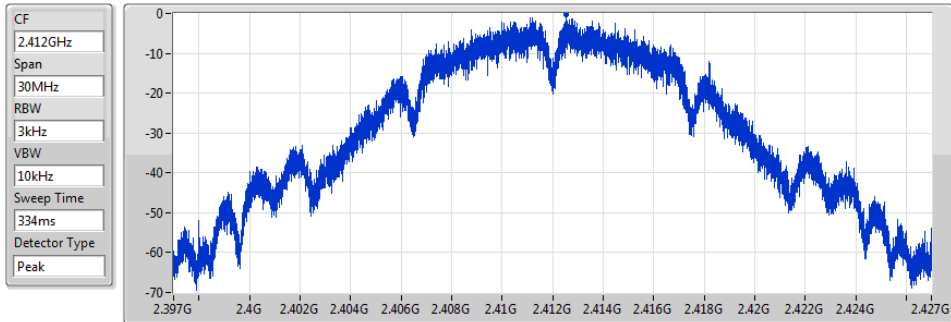
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

31/01/2019



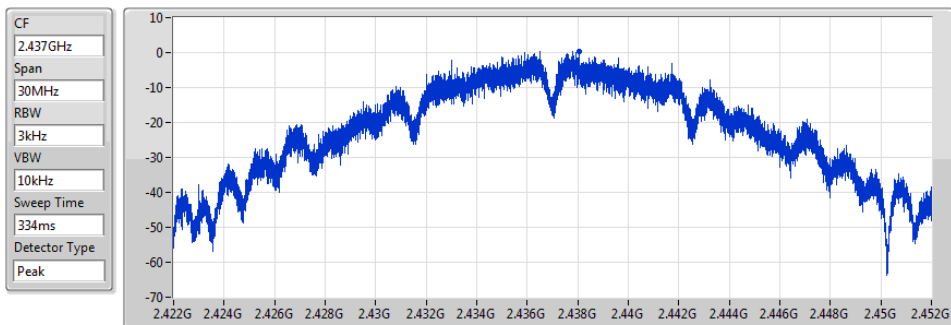
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.21	-0.21	-0.21

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

31/01/2019



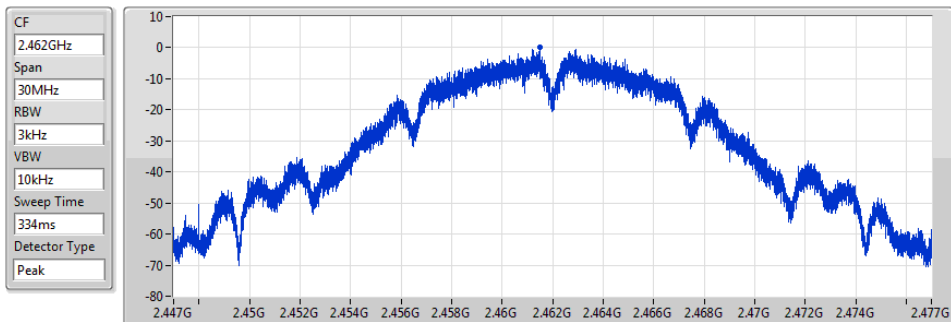
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	0.39

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

31/01/2019



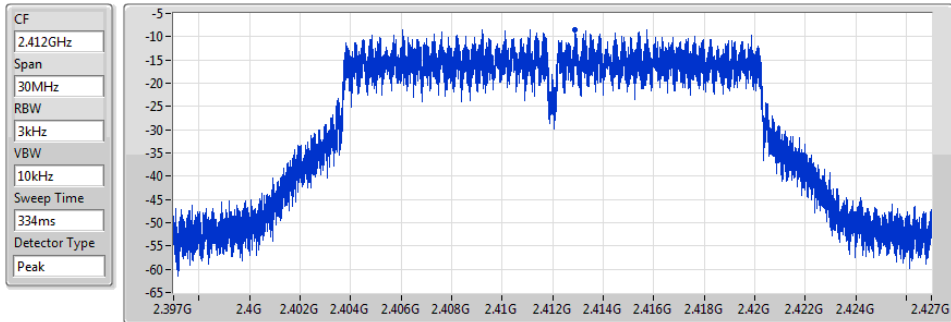
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.06	0.06	0.06

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

31/01/2019



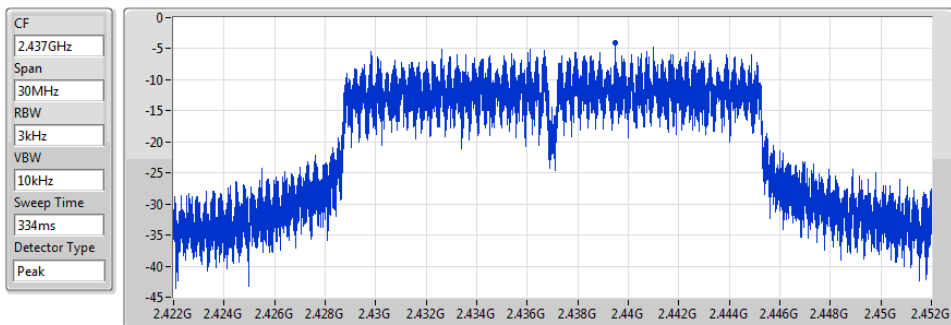
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.46	-8.46	-8.46

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

31/01/2019



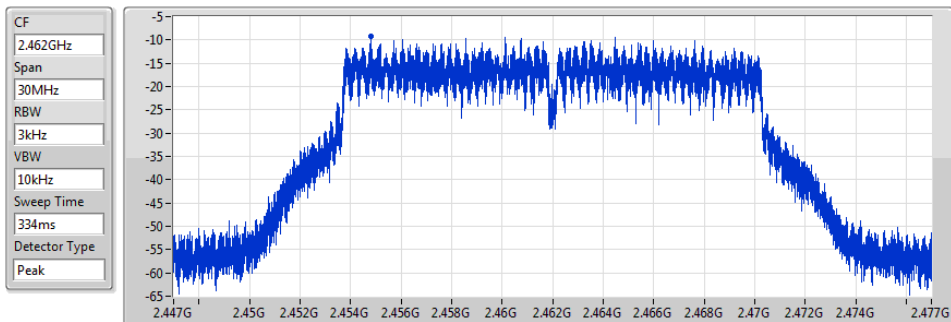
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-4.02	-4.02	-4.02

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

31/01/2019



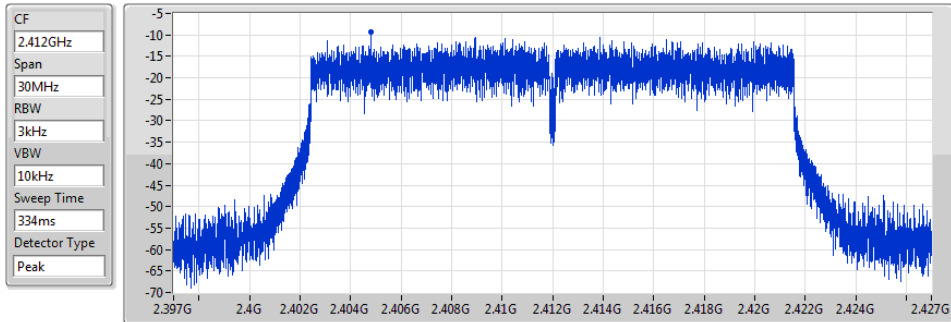
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-9.26	-9.26	-9.26

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

31/01/2019



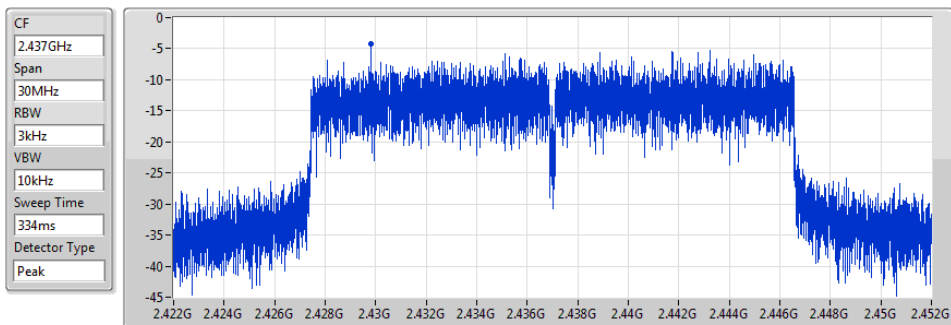
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.26	-9.26	-9.26

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

31/01/2019



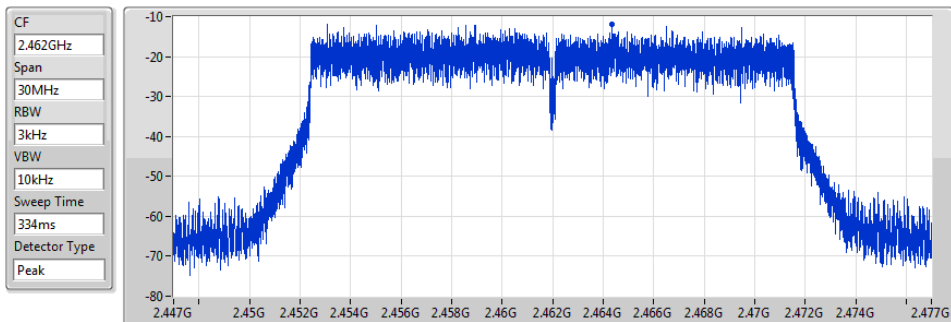
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.27	-4.27	-4.27

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

31/01/2019



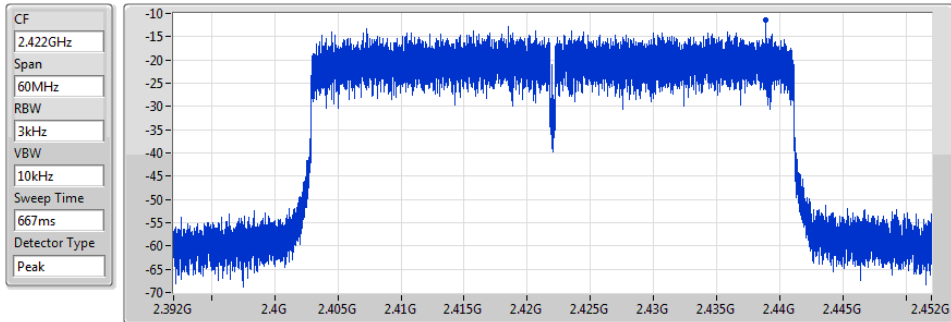
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.78	-11.78	-11.78

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

31/01/2019



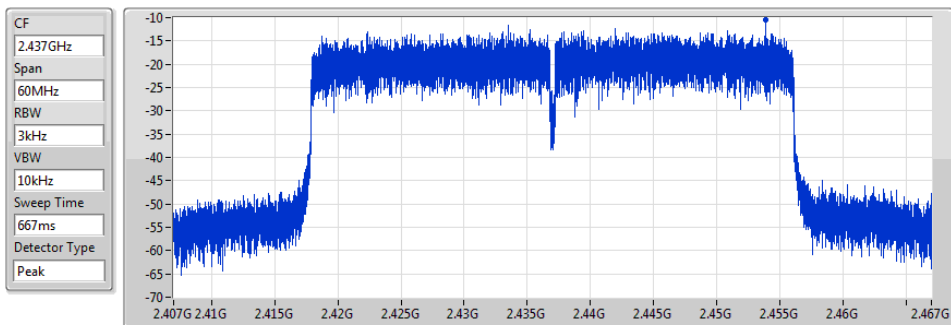
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.50	-11.50	-11.50

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

31/01/2019



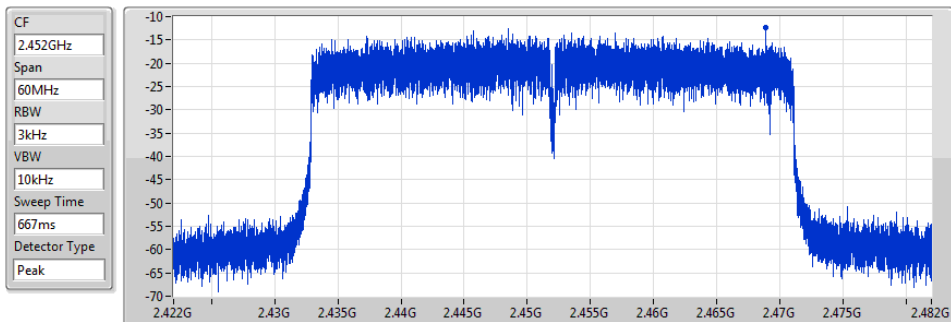
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.40	-10.40	-10.40

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

31/01/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.45	-12.45	-12.45



PSD Result

Appendix D.7

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-4.33
802.11ax HEW40_Nss2,(MCS0)_2TX	-9.10

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	-9.87	-10.26	-8.44	8.00
2437MHz	Pass	4.00	-6.93	-6.43	-4.33	8.00
2462MHz	Pass	4.00	-11.70	-10.38	-9.00	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.00	-13.07	-12.04	-9.67	8.00
2437MHz	Pass	4.00	-12.64	-11.63	-9.10	8.00
2452MHz	Pass	4.00	-13.41	-12.70	-10.03	8.00

DG = Directional Gain; RBW=3kHz;

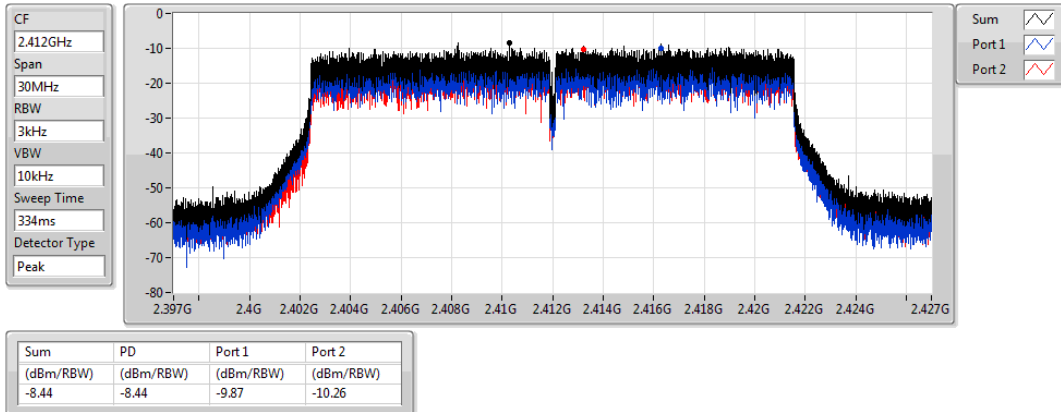
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

31/01/2019

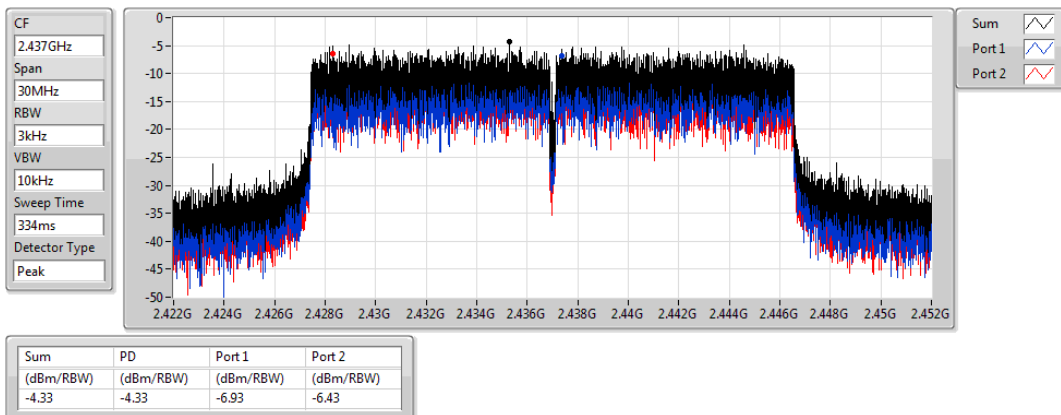


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

31/01/2019

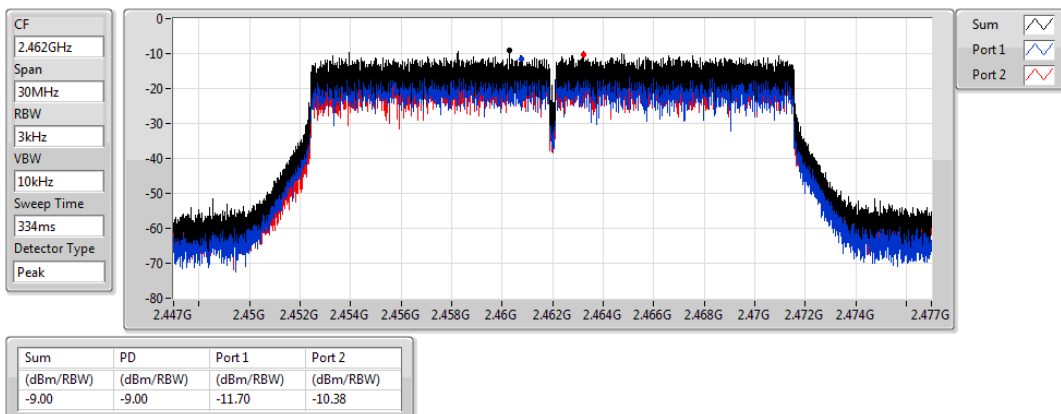


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

31/01/2019



802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

31/01/2019

CF
2.422GHz

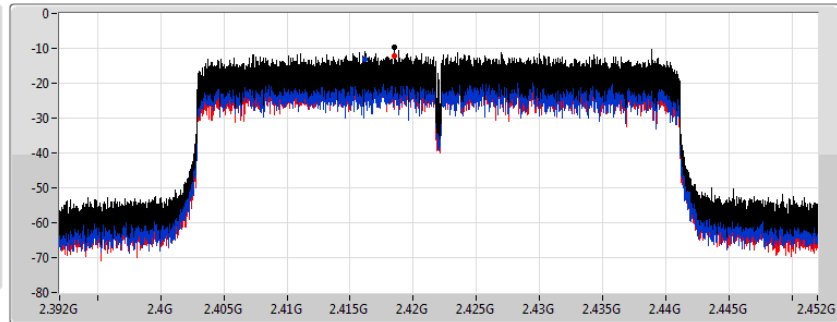
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.67	-9.67	-13.07	-12.04

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

31/01/2019

CF
2.437GHz

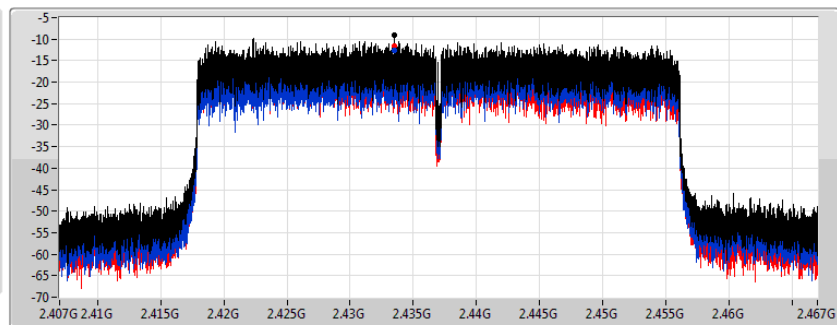
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.10	-9.10	-12.64	-11.63

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

31/01/2019

CF
2.452GHz

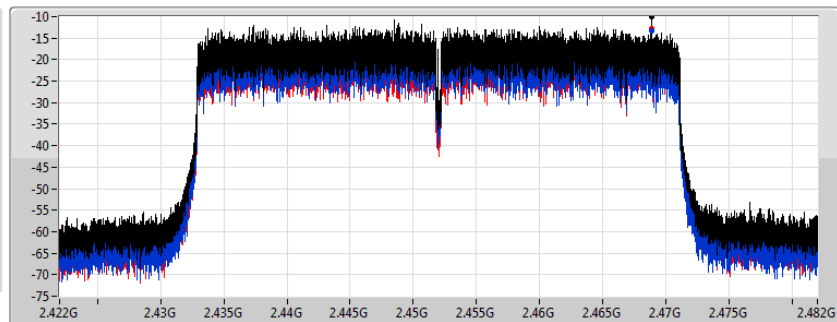
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.03	-10.03	-13.41	-12.70

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	3.88
802.11g_Nss1,(6Mbps)_4TX	-0.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-2.17
802.11ax HEW40_Nss1,(MCS0)_4TX	-7.24

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	10.02	0.06	-0.72	-0.72	-0.62	3.34	3.98
2437MHz	Pass	10.02	-0.01	0.04	-0.42	1.19	3.88	3.98
2462MHz	Pass	10.02	-1.35	-0.56	-1.51	-1.36	2.99	3.98
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-11.60	-11.78	-10.74	-12.22	-6.57	3.98
2437MHz	Pass	10.02	-5.98	-6.45	-6.22	-6.26	-0.98	3.98
2462MHz	Pass	10.02	-11.29	-11.28	-11.85	-11.04	-5.97	3.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-10.51	-11.94	-10.23	-10.25	-5.38	3.98
2437MHz	Pass	10.02	-8.27	-6.65	-8.17	-8.02	-2.17	3.98
2462MHz	Pass	10.02	-11.64	-13.21	-13.31	-13.60	-7.55	3.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-13.65	-13.12	-12.96	-13.34	-7.24	3.98
2437MHz	Pass	10.02	-14.14	-12.95	-12.72	-12.91	-7.94	3.98
2452MHz	Pass	10.02	-14.63	-13.74	-14.21	-14.98	-8.59	3.98

DG = Directional Gain; RBW=3kHz;

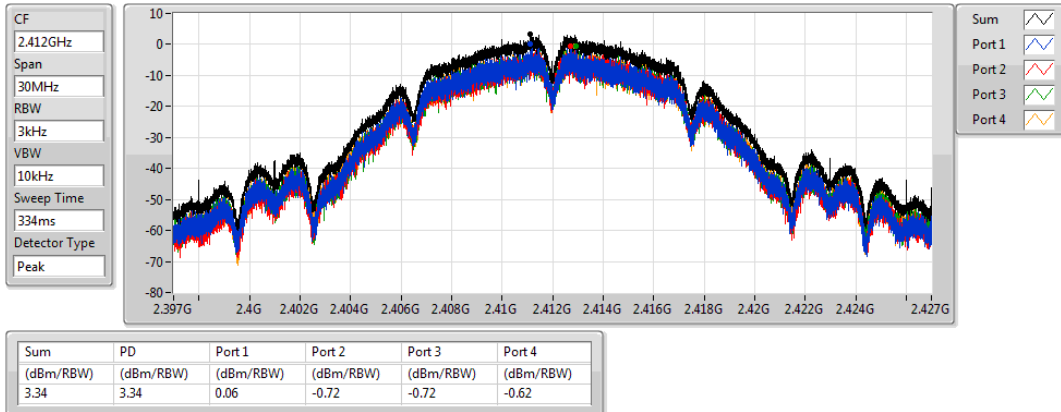
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

31/01/2019

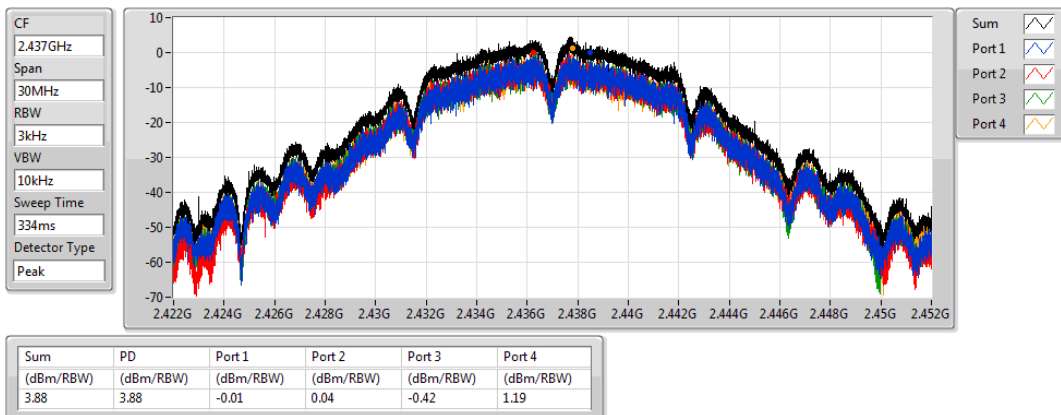


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

31/01/2019

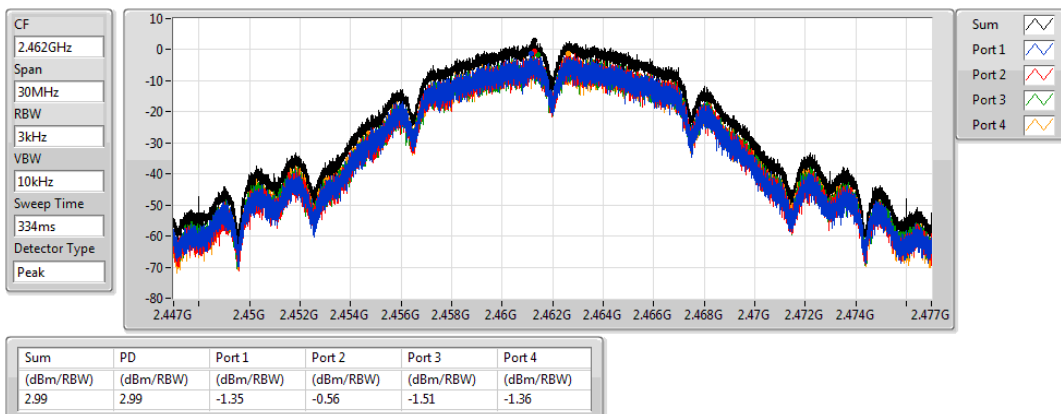


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

31/01/2019

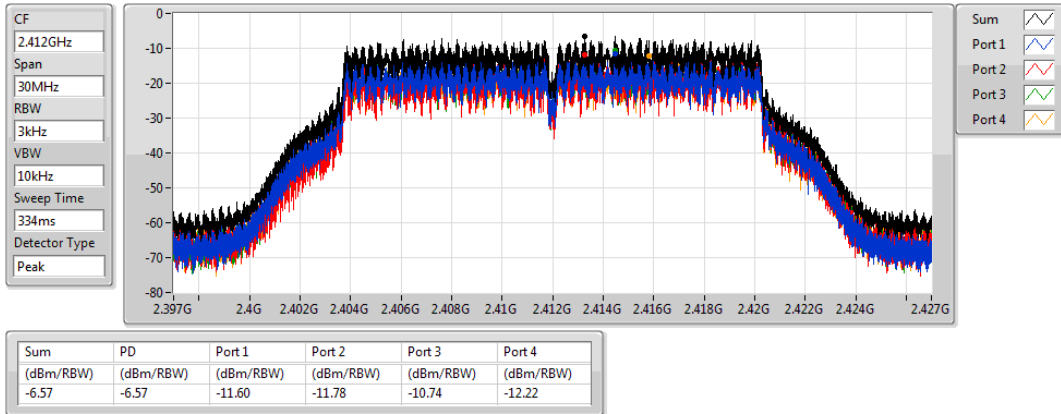


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

31/01/2019

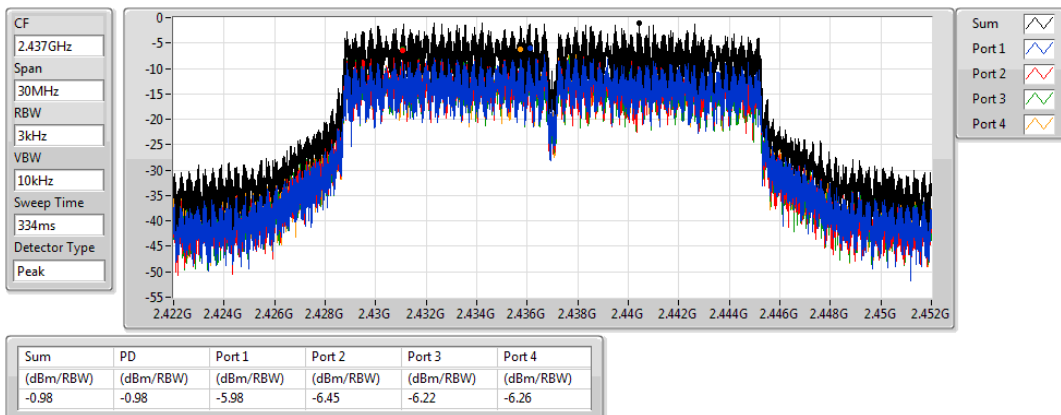


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

31/01/2019

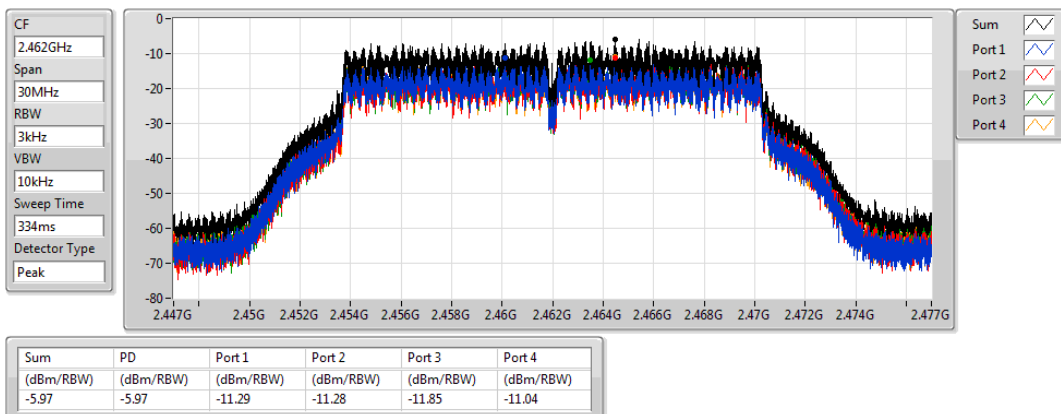


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

31/01/2019

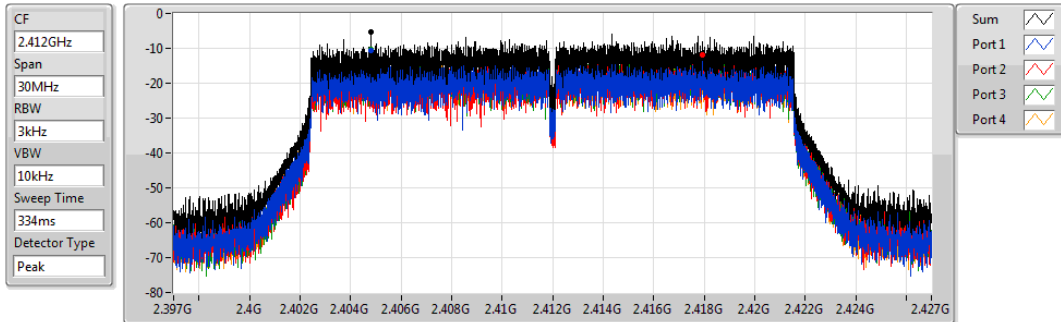


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

31/01/2019



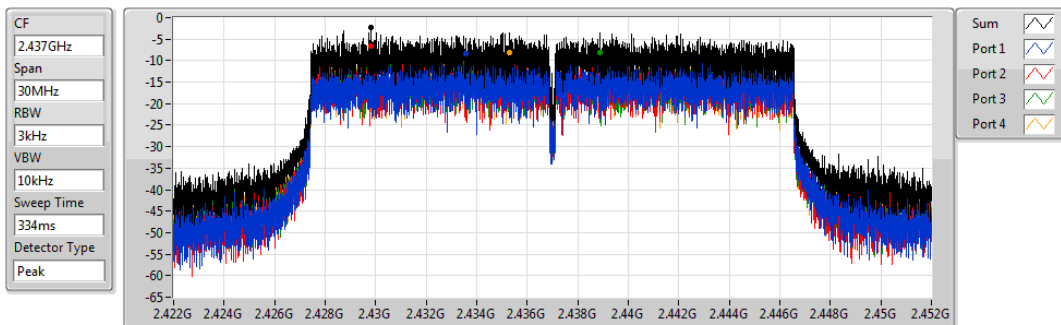
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.38	-5.38	-10.51	-11.94	-10.23	-10.25

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

31/01/2019



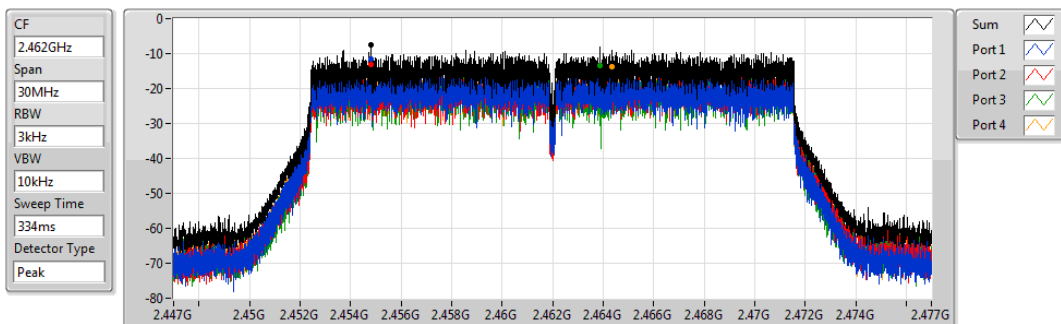
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.17	-2.17	-8.27	-6.65	-8.17	-8.02

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

31/01/2019



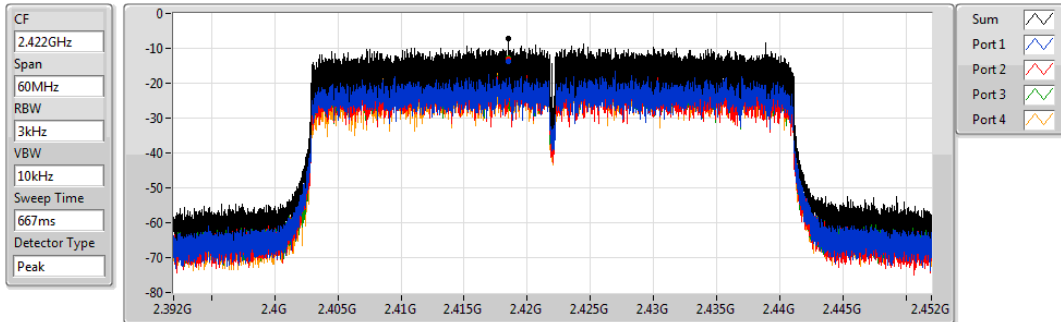
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.55	-7.55	-11.64	-13.21	-13.31	-13.60

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

31/01/2019



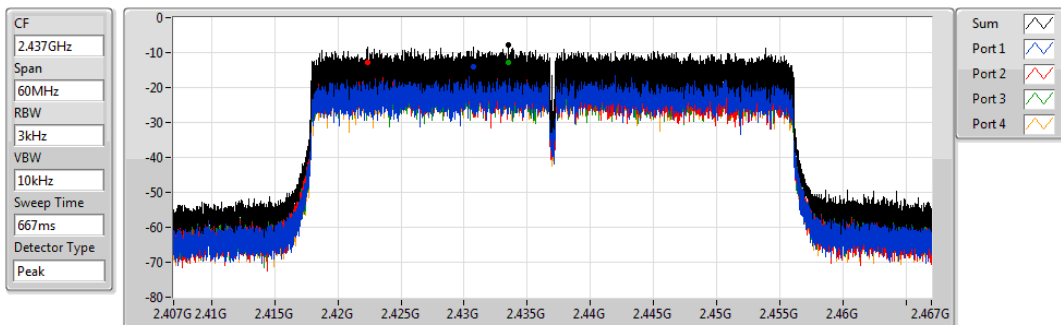
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.24	-7.24	-13.65	-13.12	-12.96	-13.34

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

31/01/2019



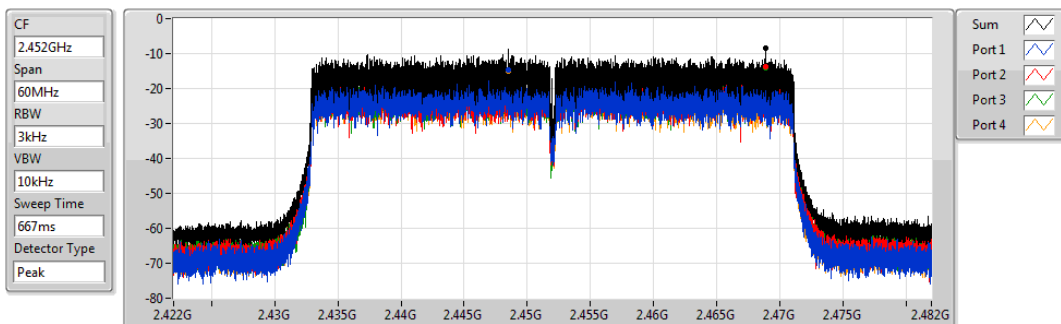
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-14.14	-12.95	-12.72	-12.91

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

31/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.59	-8.59	-14.63	-13.74	-14.21	-14.98



PSD Result

Appendix D.9

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.30
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-7.59

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	10.02	-9.10	-10.77	-9.64	-8.76	-4.48	3.98
2437MHz	Pass	10.02	-6.44	-4.41	-4.85	-7.00	0.30	3.98
2462MHz	Pass	10.02	-12.35	-10.99	-11.88	-10.36	-5.33	3.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-15.08	-15.66	-14.25	-15.34	-9.77	3.98
2437MHz	Pass	10.02	-13.28	-13.10	-13.04	-11.84	-7.59	3.98
2452MHz	Pass	10.02	-15.22	-13.92	-13.25	-15.16	-8.31	3.98

DG = Directional Gain; RBW=3kHz;

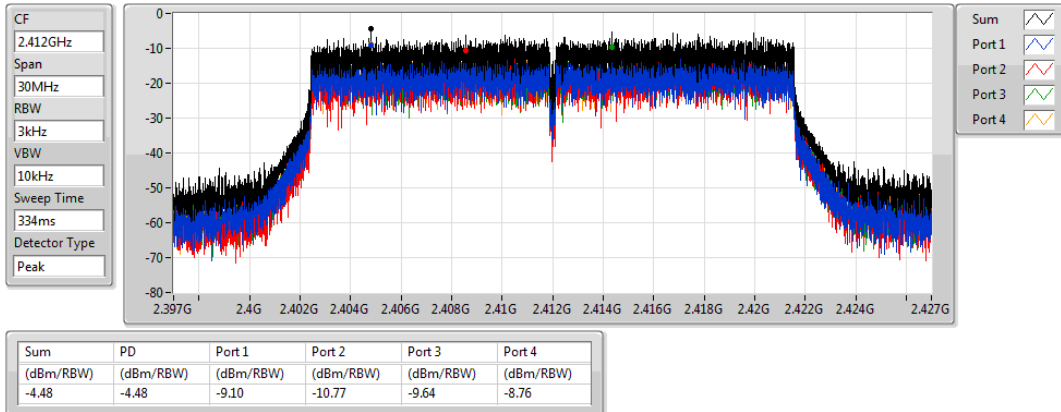
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

01/02/2019

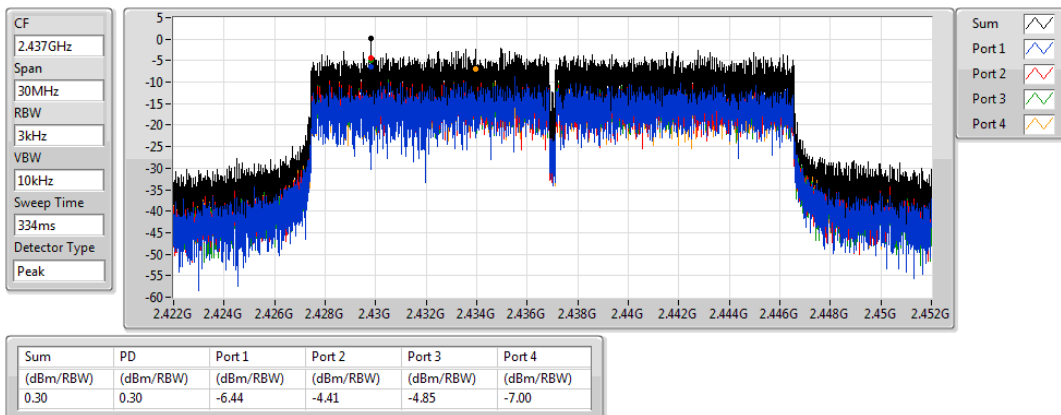


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/02/2019

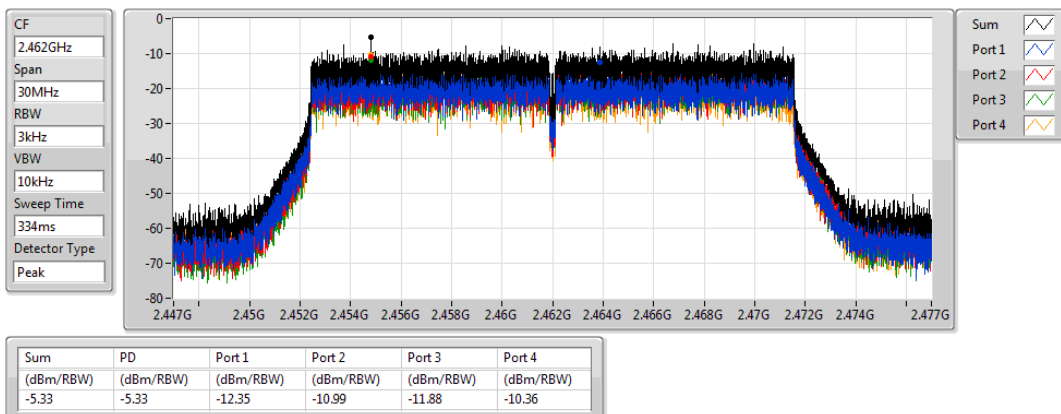


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

01/02/2019

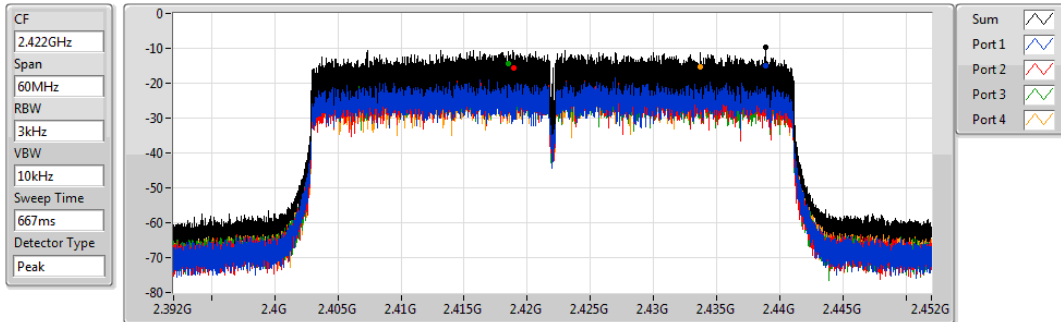


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

01/02/2019



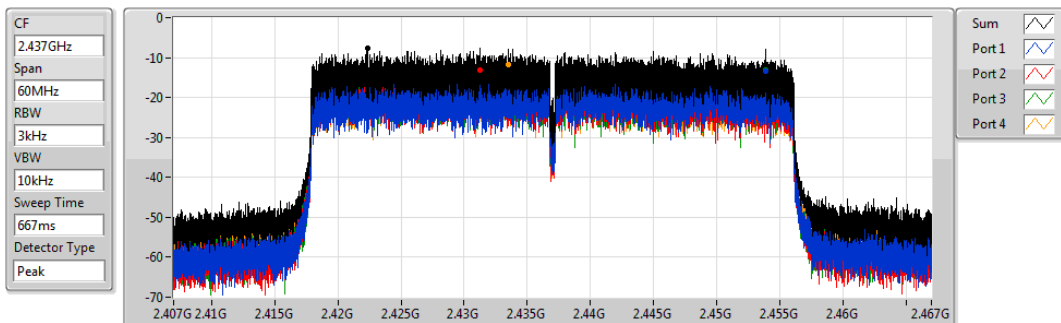
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.77	-9.77	-15.08	-15.66	-14.25	-15.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/02/2019



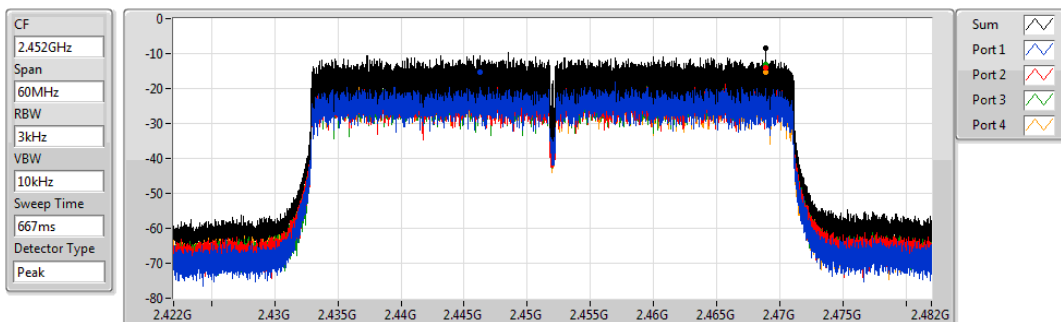
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.59	-7.59	-13.28	-13.10	-13.04	-11.84

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

01/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.31	-8.31	-15.22	-13.92	-13.25	-15.16



PSD Result

Appendix D.10

For Non-beamforming / 4T4S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.65
802.11ax HEW40_Nss4,(MCS0)_4TX	-8.67

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_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	-11.29	-10.91	-11.06	-9.89	-7.31	8.00
2437MHz	Pass	4.00	-7.61	-7.23	-6.88	-7.65	-3.65	8.00
2462MHz	Pass	4.00	-11.39	-11.17	-11.92	-10.89	-7.78	8.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.00	-16.81	-15.87	-15.20	-14.88	-11.76	8.00
2437MHz	Pass	4.00	-14.48	-13.86	-13.40	-13.10	-8.67	8.00
2452MHz	Pass	4.00	-16.11	-15.40	-15.51	-15.46	-11.12	8.00

DG = Directional Gain; RBW=3kHz;

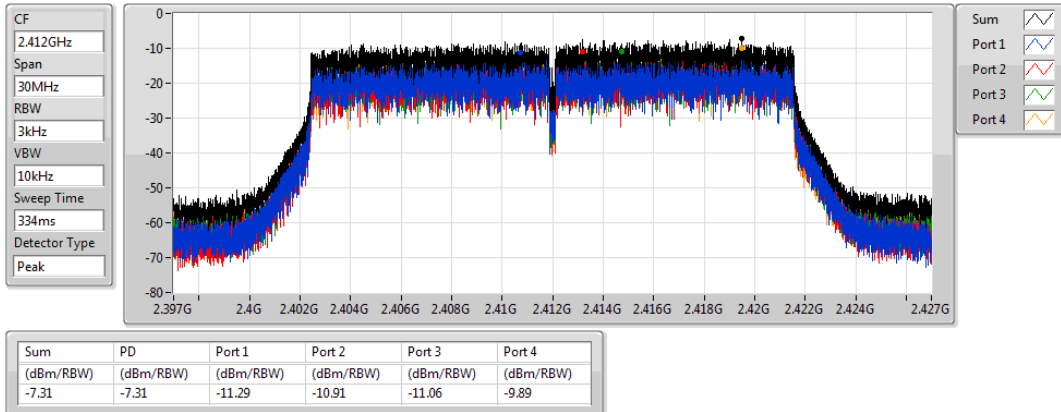
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2412MHz

01/02/2019

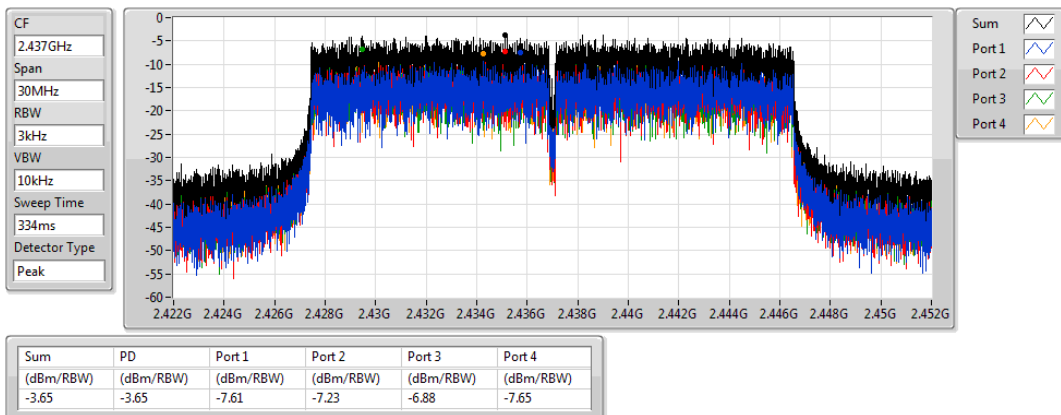


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2437MHz

01/02/2019

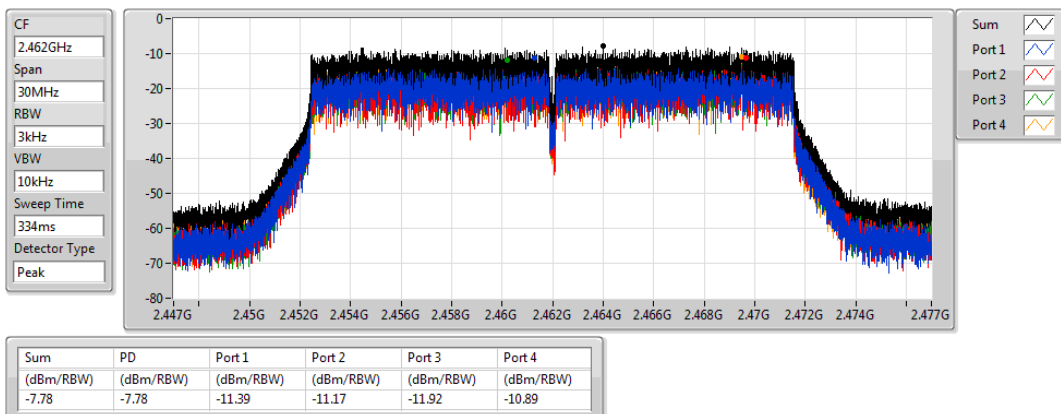


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2462MHz

01/02/2019

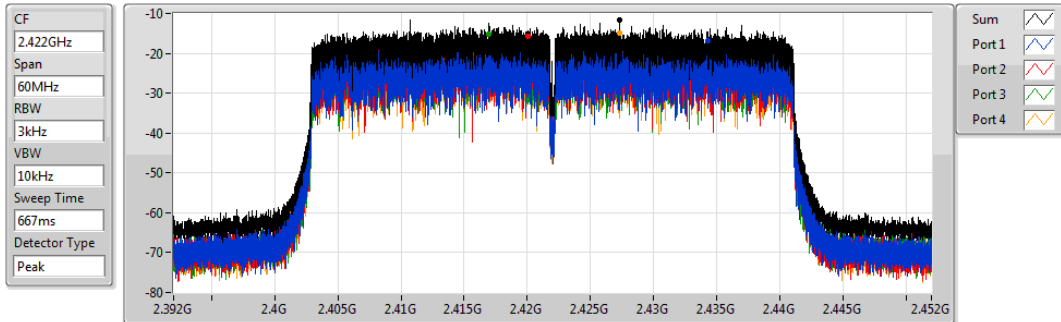


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2422MHz

01/02/2019



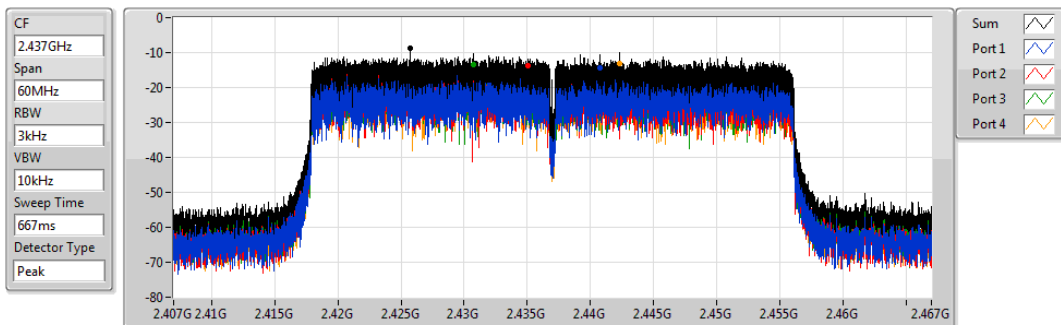
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
-11.76	-11.76	-16.81	-15.87	-15.20	-14.88

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2437MHz

01/02/2019



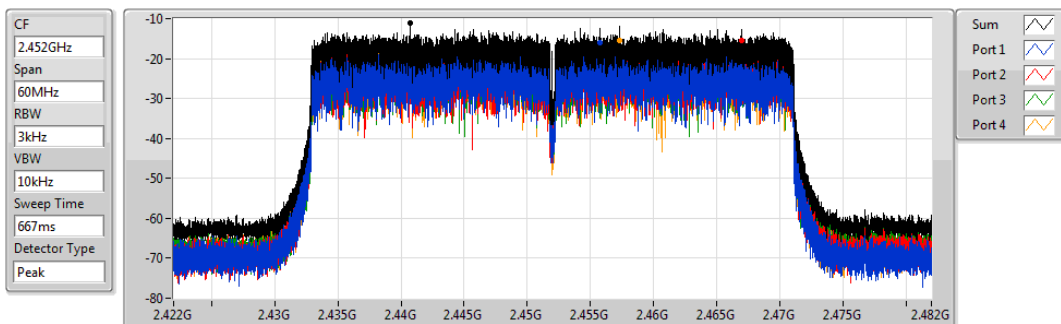
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
-8.67	-8.67	-14.48	-13.86	-13.40	-13.10

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2452MHz

01/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
-11.12	-11.12	-16.11	-15.40	-15.51	-15.46



PSD Result

Appendix D.11

Mode 3: (Ant. 11 Panel antenna / 6.8 dBi) For Non-beamforming / 1T1S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.50
802.11g_Nss1,(6Mbps)_1TX	-5.08
802.11ax HEW20_Nss1,(MCS0)_1TX	-5.71
802.11ax HEW40_Nss1,(MCS0)_1TX	-11.63

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-1.27	-1.27	7.20
2437MHz	Pass	6.80	0.50	0.50	7.20
2462MHz	Pass	6.80	-1.16	-1.16	7.20
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-10.50	-10.50	7.20
2437MHz	Pass	6.80	-5.08	-5.08	7.20
2462MHz	Pass	6.80	-10.35	-10.35	7.20
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-9.36	-9.36	7.20
2437MHz	Pass	6.80	-5.71	-5.71	7.20
2462MHz	Pass	6.80	-10.30	-10.30	7.20
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	6.80	-12.59	-12.59	7.20
2437MHz	Pass	6.80	-11.63	-11.63	7.20
2452MHz	Pass	6.80	-13.01	-13.01	7.20

DG = Directional Gain; RBW=3kHz;

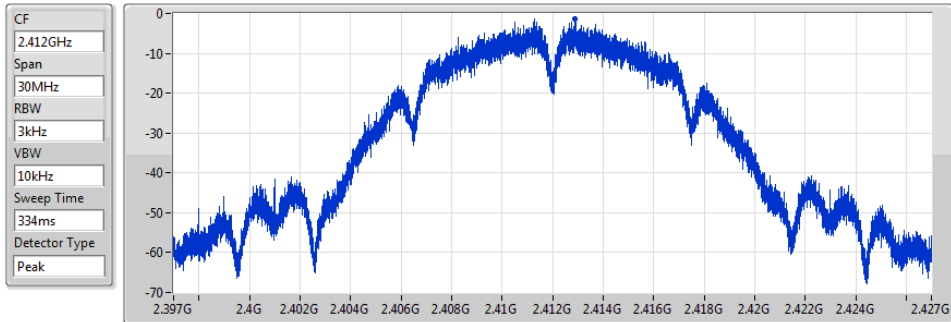
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

16/02/2019



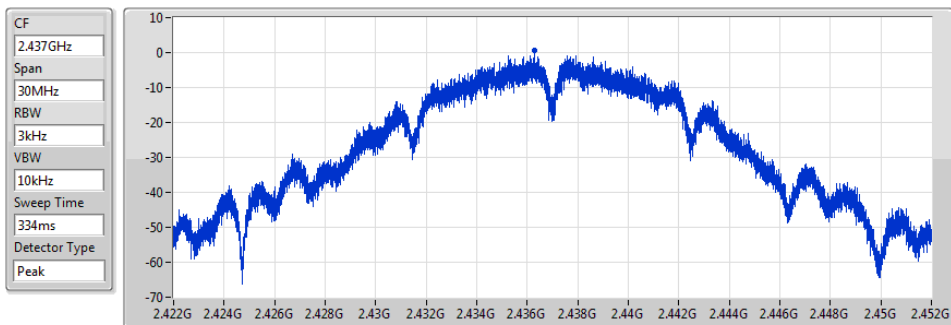
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.27	-1.27	-1.27

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

16/02/2019



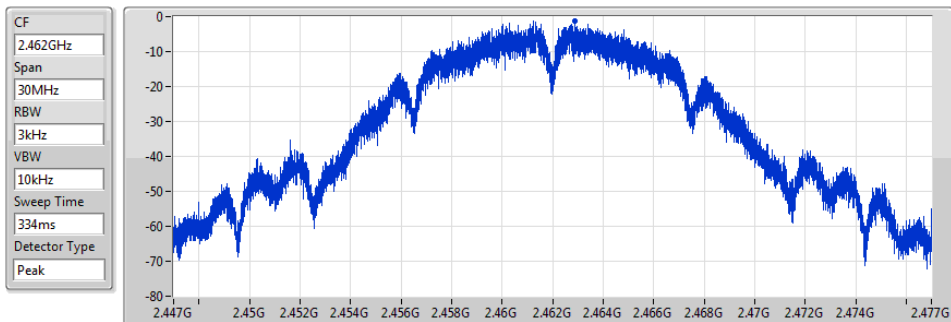
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	0.50

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

25/01/2019



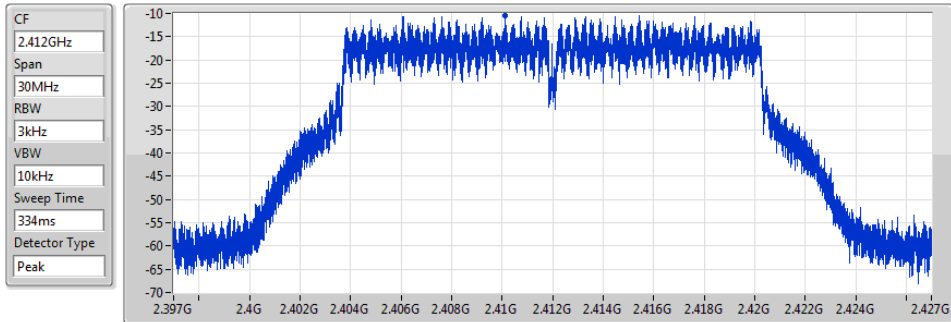
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.16	-1.16	-1.16

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

16/02/2019



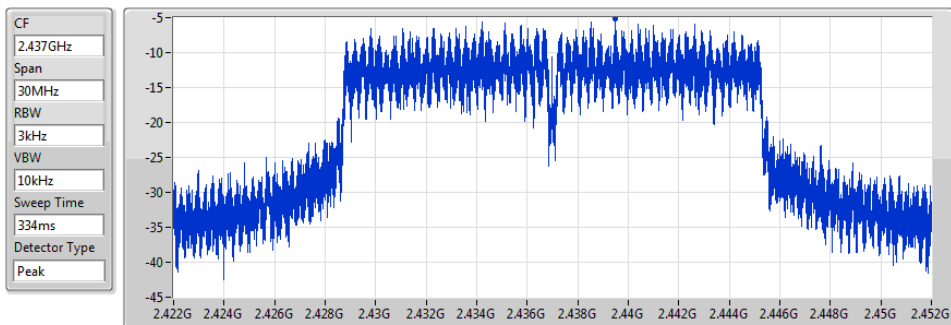
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.50	-10.50	-10.50

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

16/02/2019



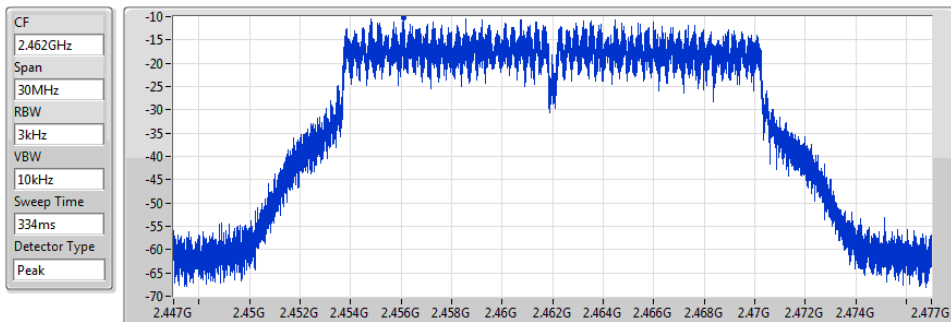
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.08	-5.08	-5.08

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

25/01/2019



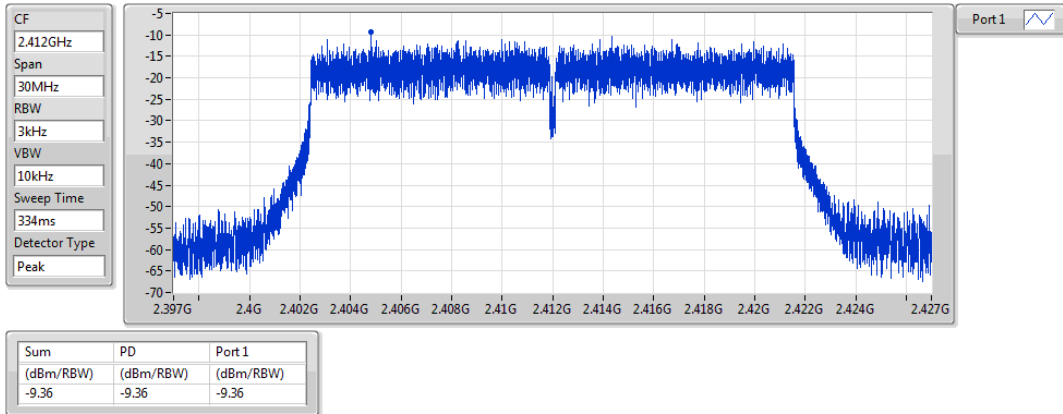
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.35	-10.35	-10.35

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

16/02/2019

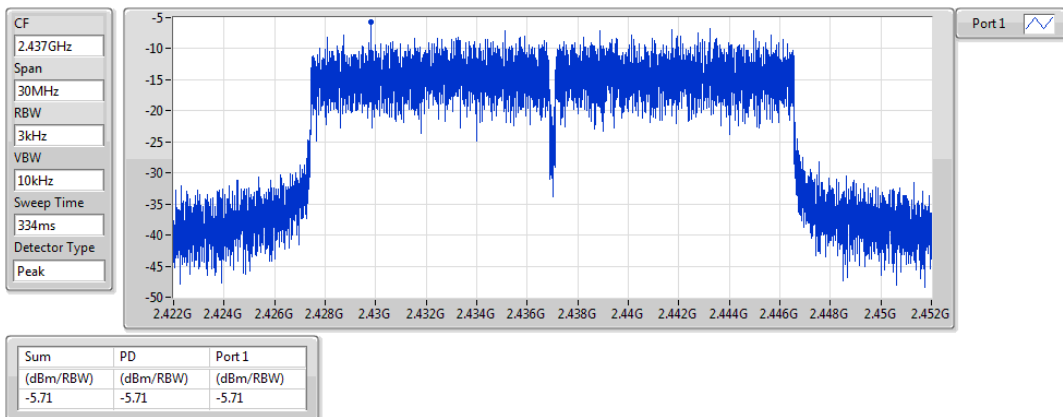


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

16/02/2019

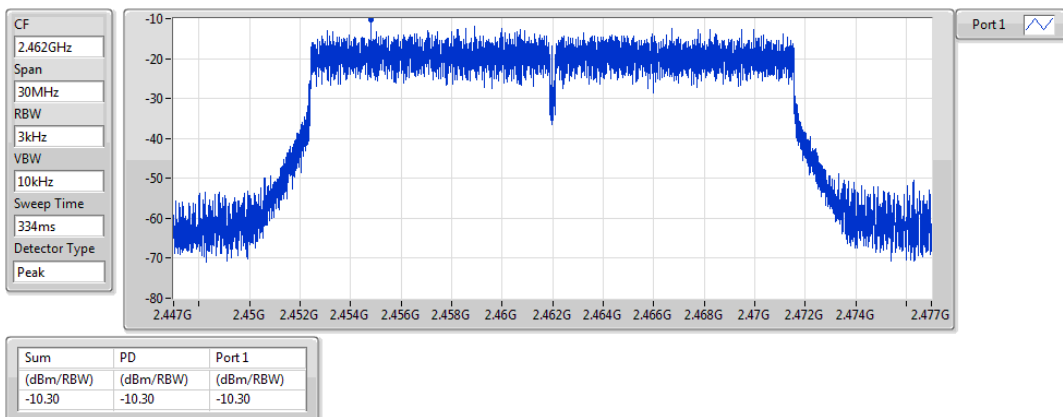


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

16/02/2019

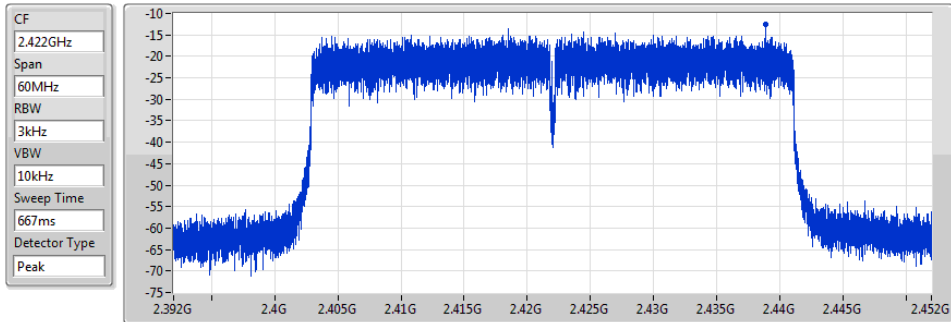


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

16/02/2019



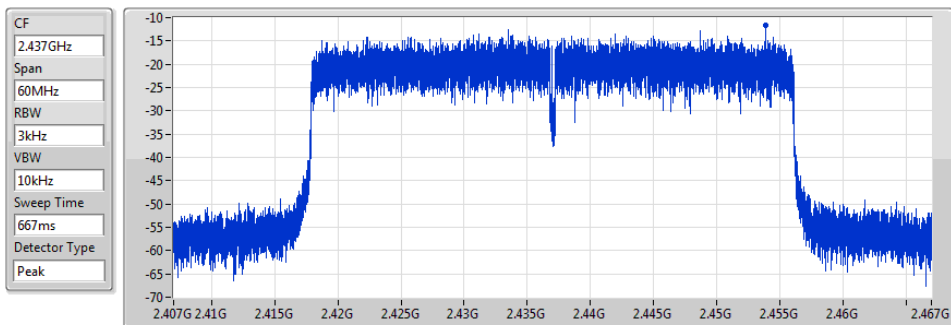
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.59	-12.59	-12.59

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

16/02/2019



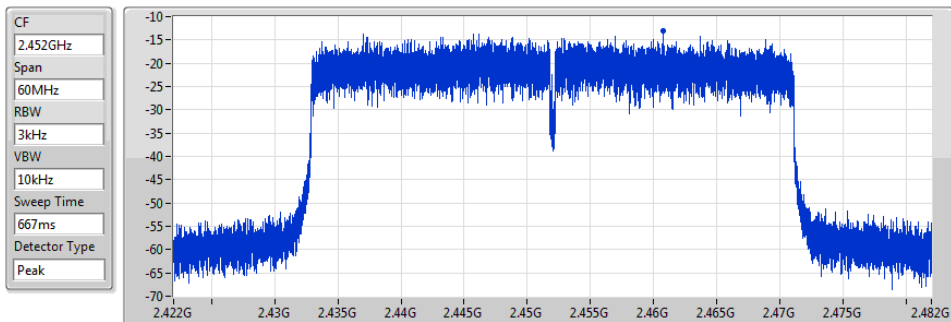
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.63	-11.63	-11.63

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

16/02/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.01	-13.01	-13.01



PSD Result

Appendix D.12

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-4.59
802.11ax HEW40_Nss2,(MCS0)_2TX	-10.71

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.80	-10.42	-10.38	-9.03	7.20
2437MHz	Pass	6.80	-6.40	-6.08	-4.59	7.20
2462MHz	Pass	6.80	-10.71	-10.15	-8.86	7.20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.80	-15.23	-13.37	-11.95	7.20
2437MHz	Pass	6.80	-13.69	-12.60	-10.71	7.20
2452MHz	Pass	6.80	-14.71	-14.69	-12.61	7.20

DG = Directional Gain; RBW=3kHz;

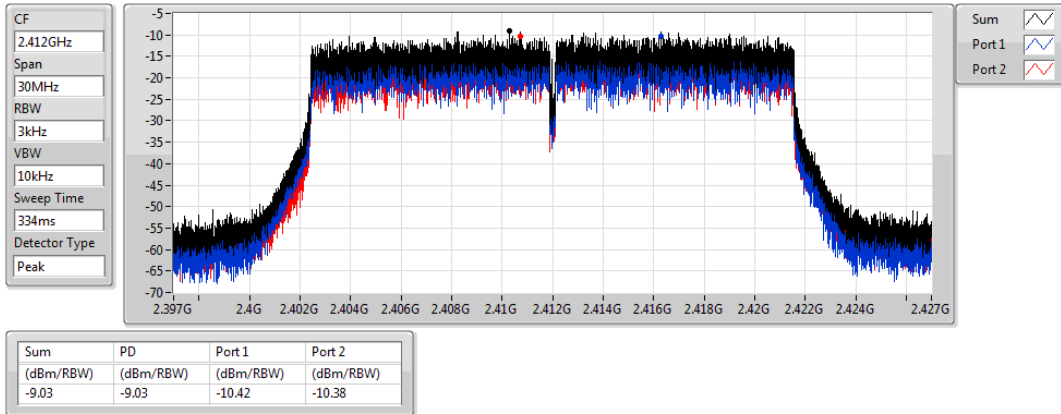
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

16/02/2019

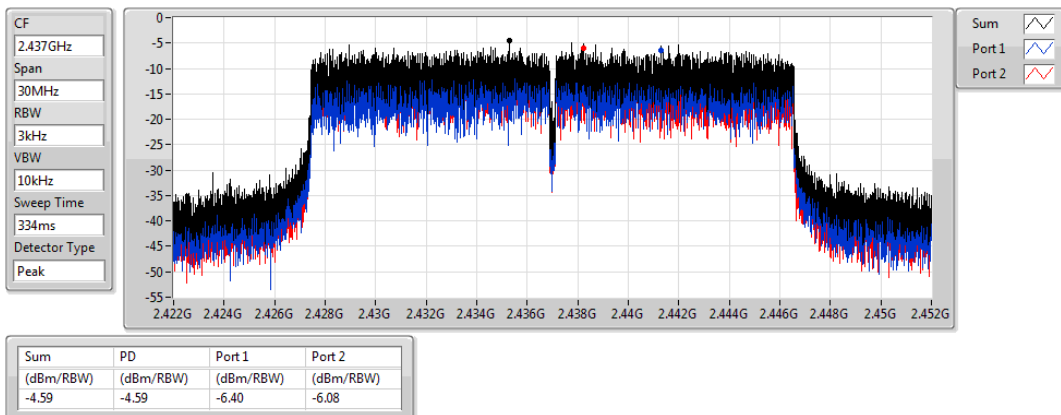


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

25/01/2019

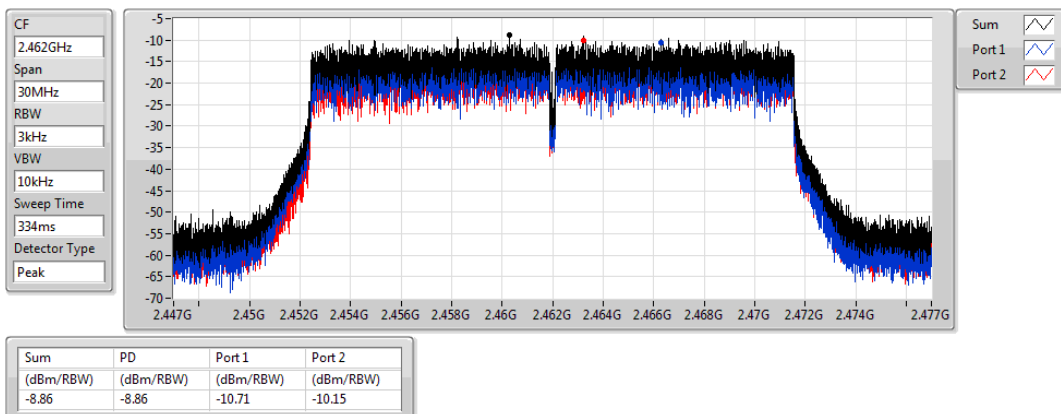


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

16/02/2019

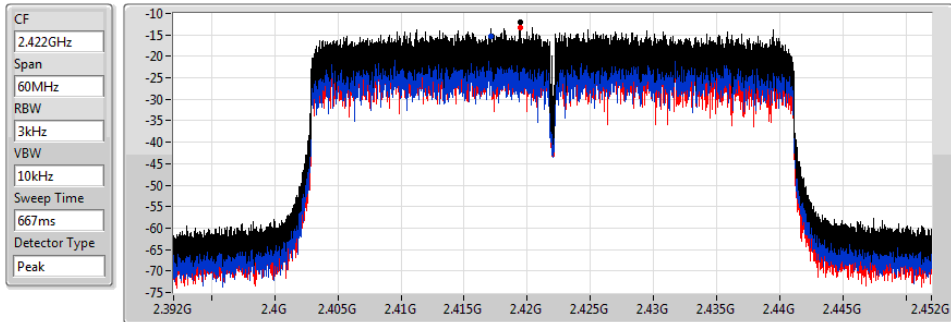


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

16/02/2019



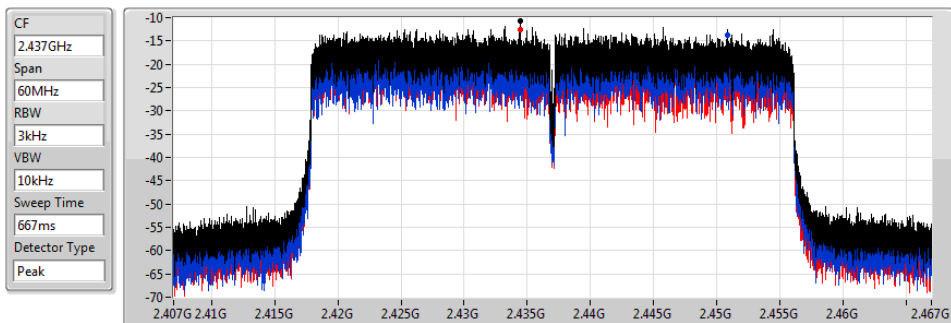
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-11.95	-11.95	-15.23	-13.37

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

16/02/2019



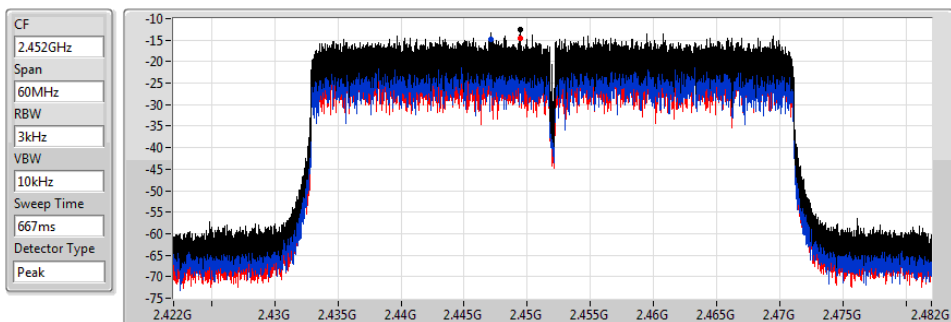
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-10.71	-10.71	-13.69	-12.60

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

16/02/2019



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-12.61	-12.61	-14.71	-14.69

For Non-beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-3.37
802.11g_Nss1,(6Mbps)_4TX	-2.30
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.04
802.11ax HEW40_Nss1,(MCS0)_4TX	-7.95

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	12.82	-10.30	-10.67	-10.36	-10.24	-4.59	1.18
2437MHz	Pass	12.82	-9.26	-9.41	-9.05	-9.06	-3.37	1.18
2462MHz	Pass	12.82	-11.27	-11.56	-11.39	-11.09	-5.57	1.18
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-13.64	-13.56	-12.30	-12.06	-6.91	1.18
2437MHz	Pass	12.82	-8.09	-8.01	-7.74	-8.06	-2.30	1.18
2462MHz	Pass	12.82	-12.45	-12.95	-11.80	-12.81	-6.97	1.18
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-12.20	-12.87	-12.88	-12.26	-7.35	1.18
2437MHz	Pass	12.82	-7.33	-5.51	-5.97	-5.65	-0.04	1.18
2462MHz	Pass	12.82	-13.10	-14.36	-14.34	-12.80	-7.57	1.18
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	12.82	-15.24	-14.94	-14.97	-15.84	-9.88	1.18
2437MHz	Pass	12.82	-13.05	-14.53	-13.77	-13.67	-7.95	1.18
2452MHz	Pass	12.82	-16.19	-16.19	-15.33	-16.11	-9.92	1.18

DG = Directional Gain; RBW=3kHz;

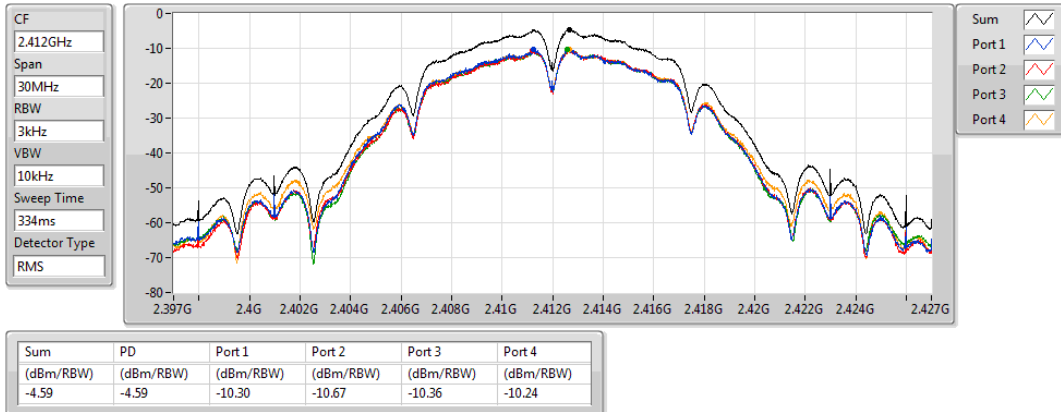
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

15/02/2019

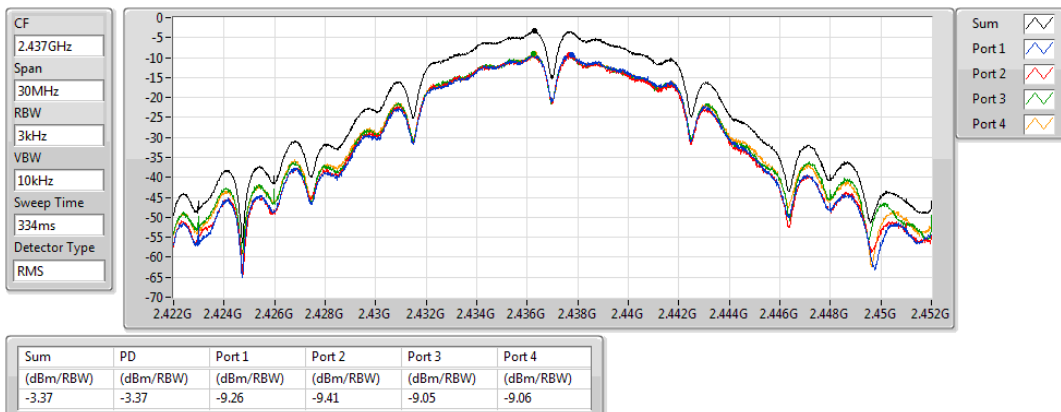


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

15/02/2019

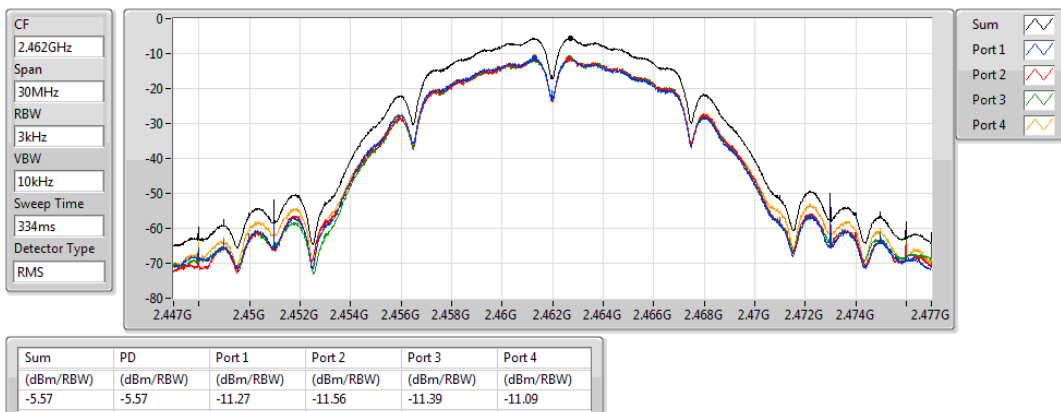


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

15/02/2019

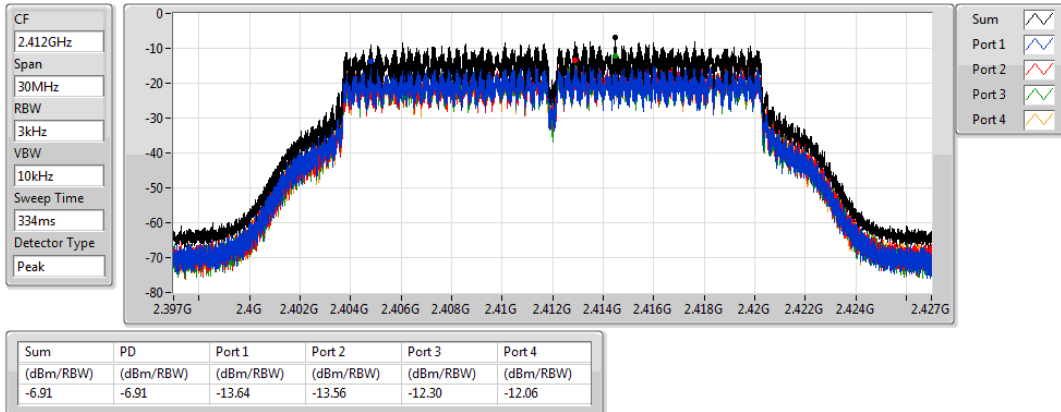


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

15/02/2019

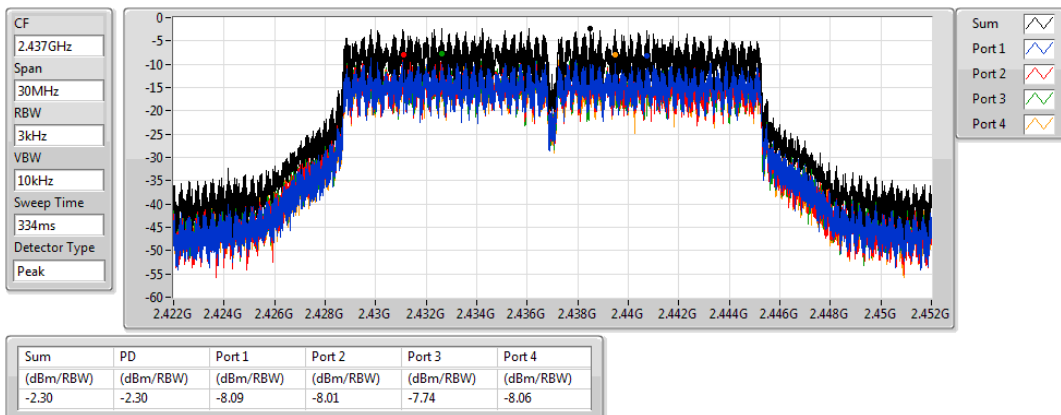


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

15/02/2019

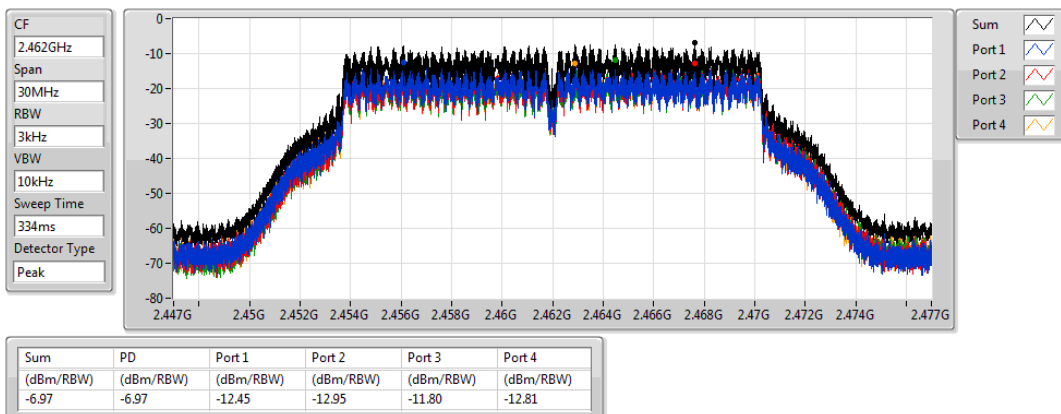


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

15/02/2019

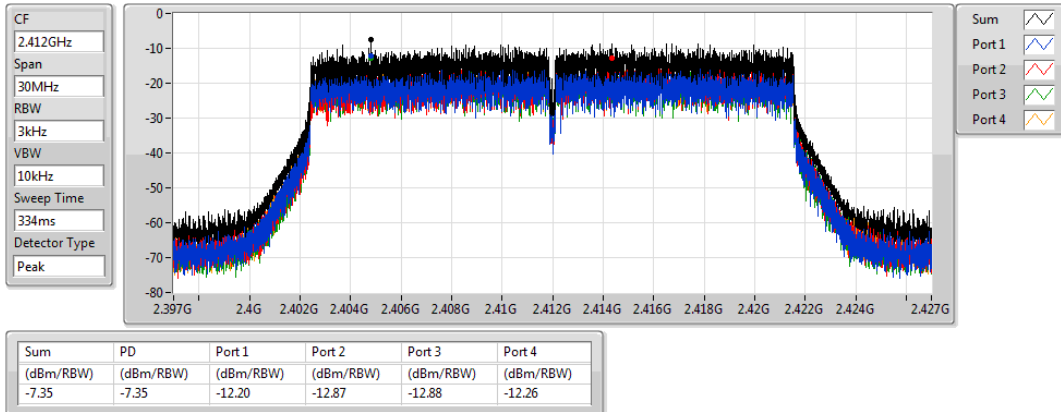


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

15/02/2019

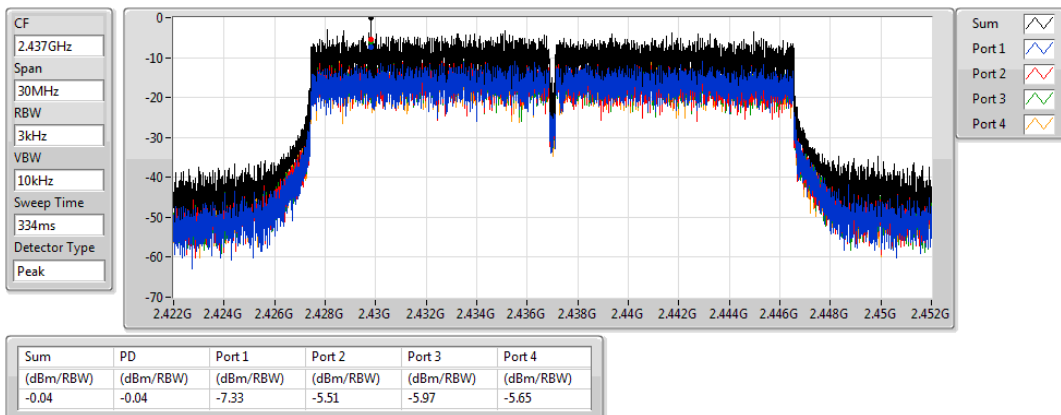


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

25/01/2019

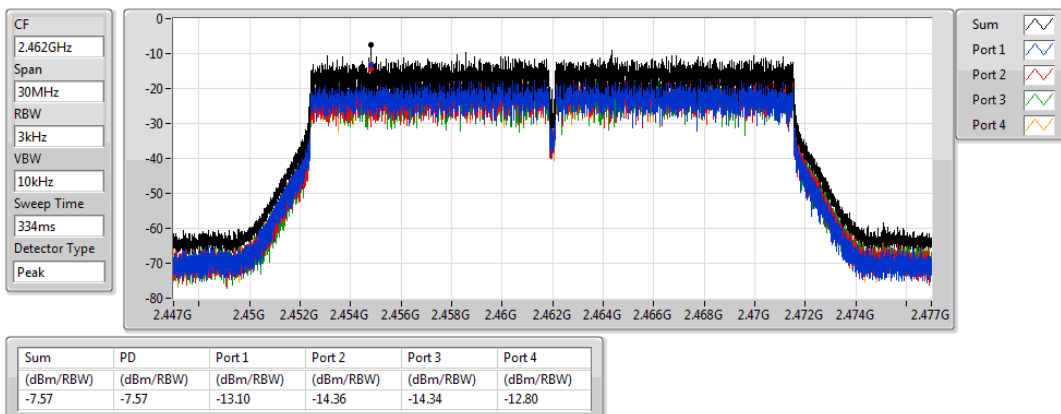


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

15/02/2019

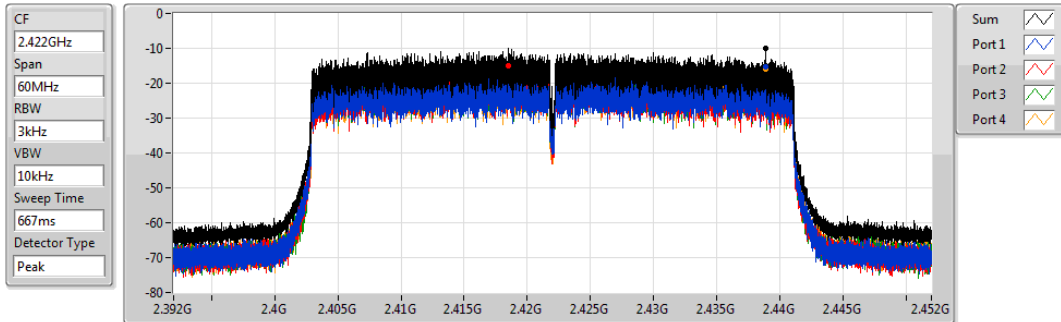


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

15/02/2019



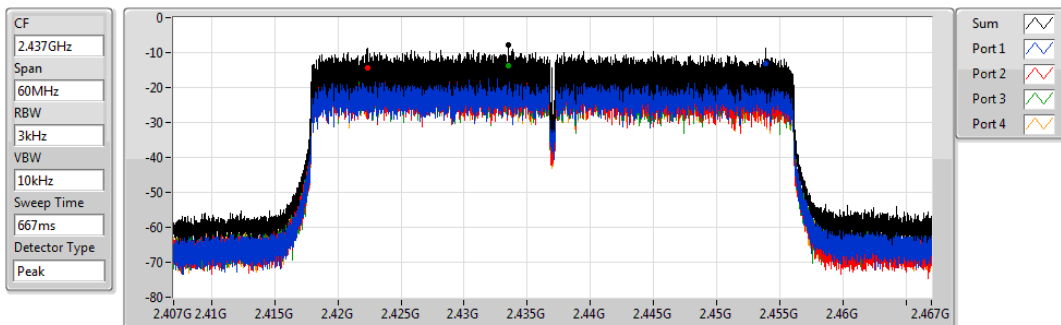
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.88	-9.88	-15.24	-14.94	-14.97	-15.84

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

25/01/2019



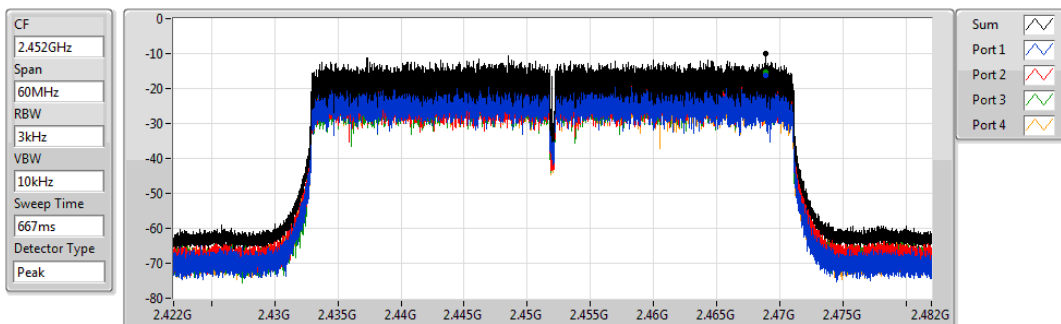
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.95	-7.95	-13.05	-14.53	-13.77	-13.67

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

16/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.92	-9.92	-16.19	-16.19	-15.33	-16.11

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.26
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-9.55

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	12.82	-13.41	-12.80	-13.52	-12.11	-7.97	1.18
2437MHz	Pass	12.82	-8.27	-7.52	-9.80	-8.83	-3.26	1.18
2462MHz	Pass	12.82	-11.49	-11.83	-12.85	-11.20	-5.78	1.18
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	12.82	-14.78	-15.57	-15.11	-14.79	-9.76	1.18
2437MHz	Pass	12.82	-14.43	-14.61	-15.26	-15.37	-9.55	1.18
2452MHz	Pass	12.82	-16.32	-16.30	-14.56	-16.48	-9.84	1.18

DG = Directional Gain; RBW=3kHz;

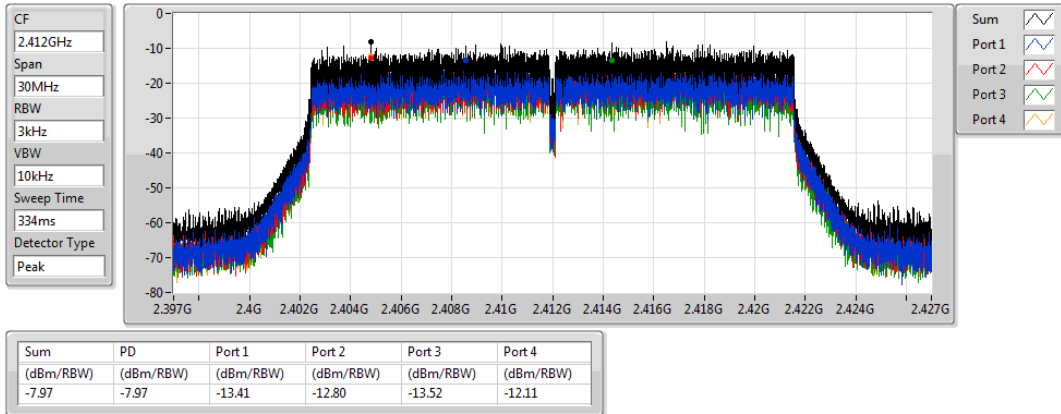
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

19/02/2019

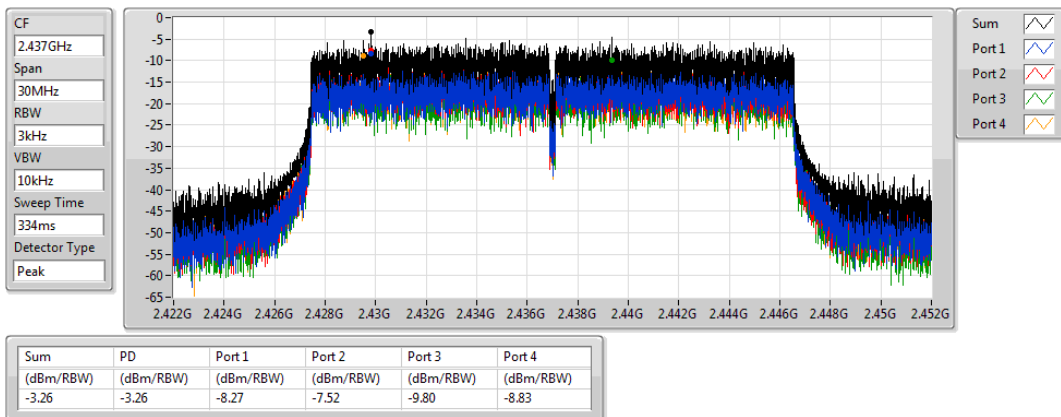


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

19/02/2019

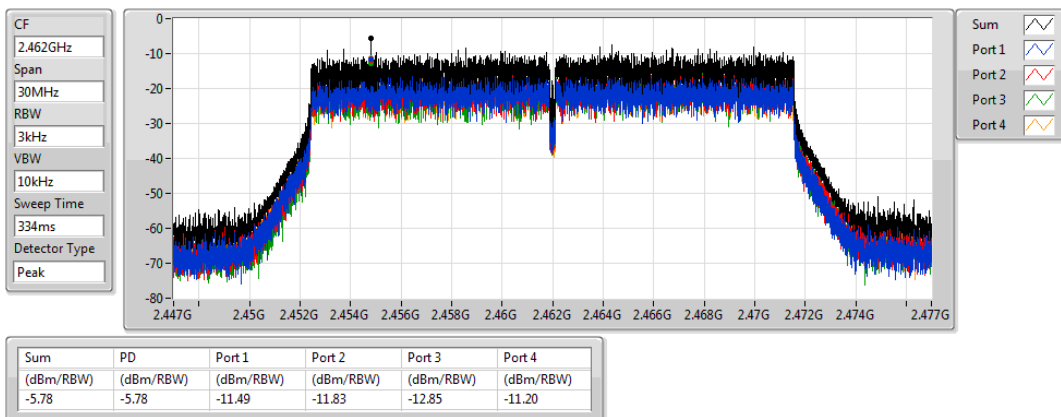


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

19/02/2019

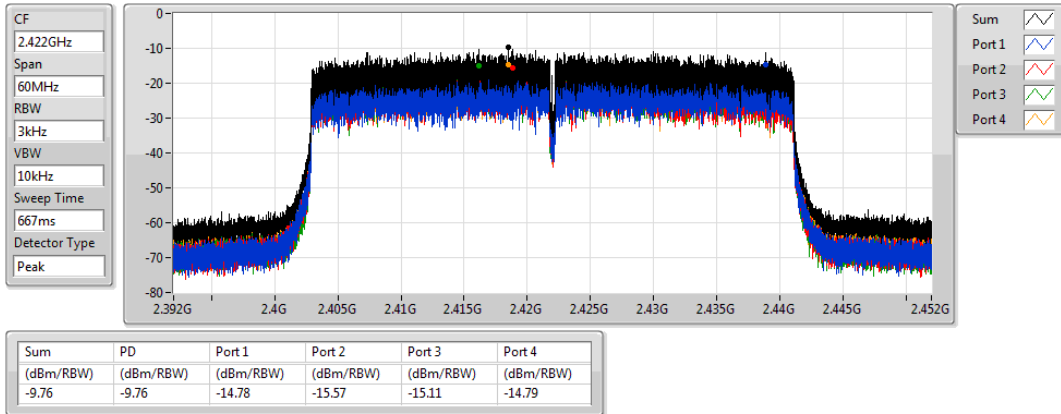


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

19/02/2019

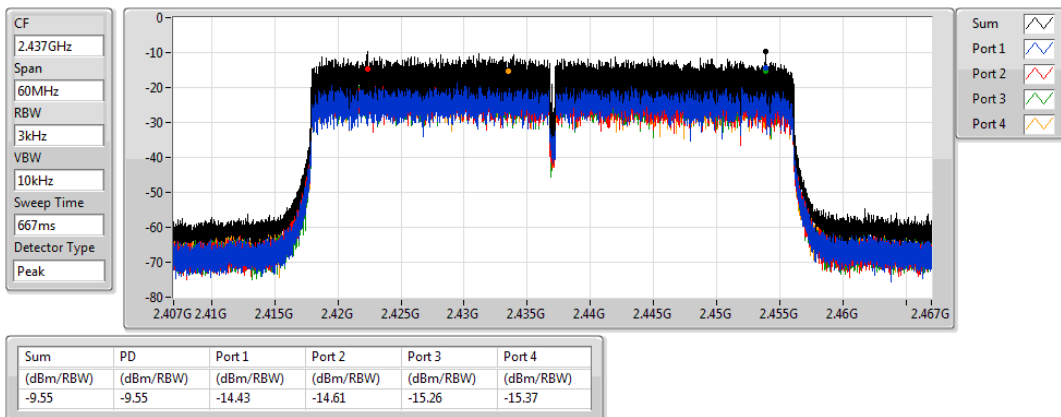


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

19/02/2019

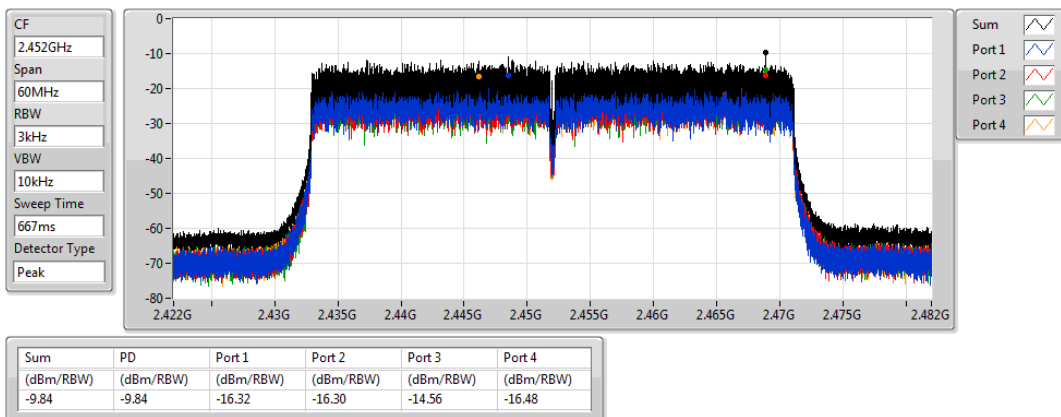


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

19/02/2019





PSD Result

Appendix D.15

For Non-beamforming / 4T4S mode Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.78
802.11ax HEW40_Nss4,(MCS0)_4TX	-9.95

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_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.80	-11.62	-11.45	-11.65	-10.69	-7.18	7.20
2437MHz	Pass	6.80	-7.77	-8.05	-8.21	-7.23	-3.78	7.20
2462MHz	Pass	6.80	-12.97	-12.05	-13.35	-12.67	-8.76	7.20
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.80	-18.00	-16.95	-17.22	-16.32	-12.65	7.20
2437MHz	Pass	6.80	-15.70	-16.19	-15.24	-14.78	-9.95	7.20
2452MHz	Pass	6.80	-17.60	-18.26	-16.78	-17.07	-12.63	7.20

DG = Directional Gain; RBW=3kHz;

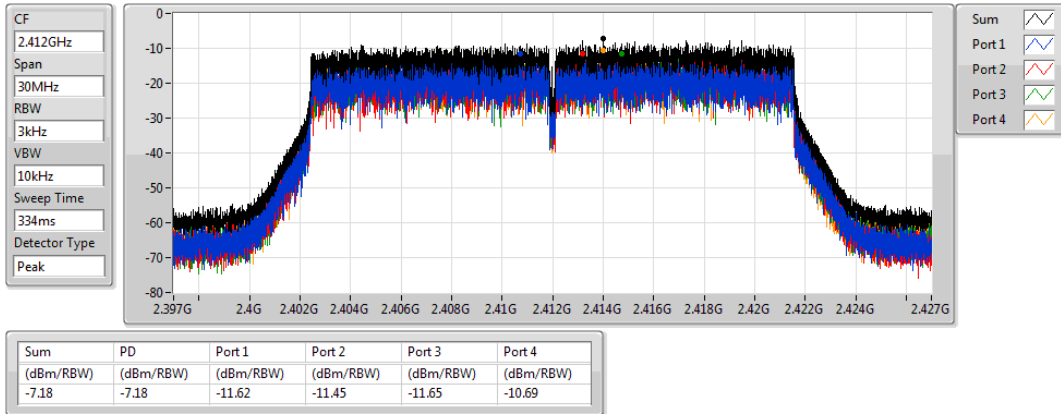
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2412MHz

25/01/2019

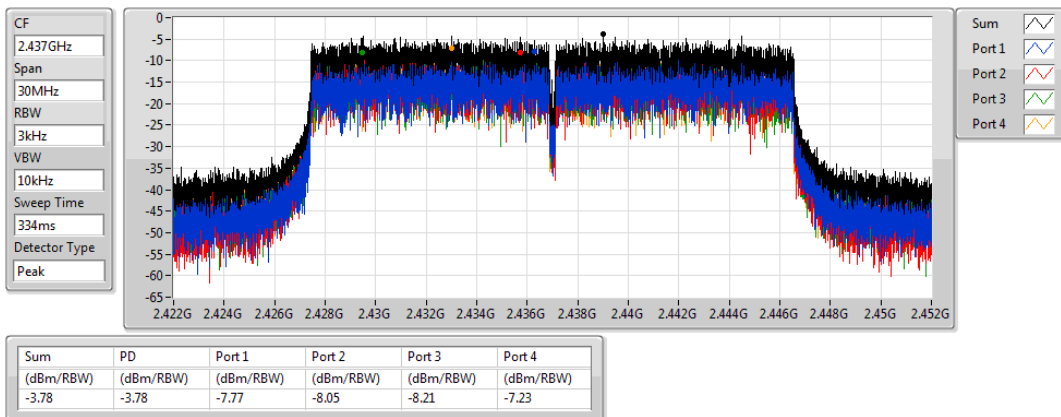


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2437MHz

25/01/2019

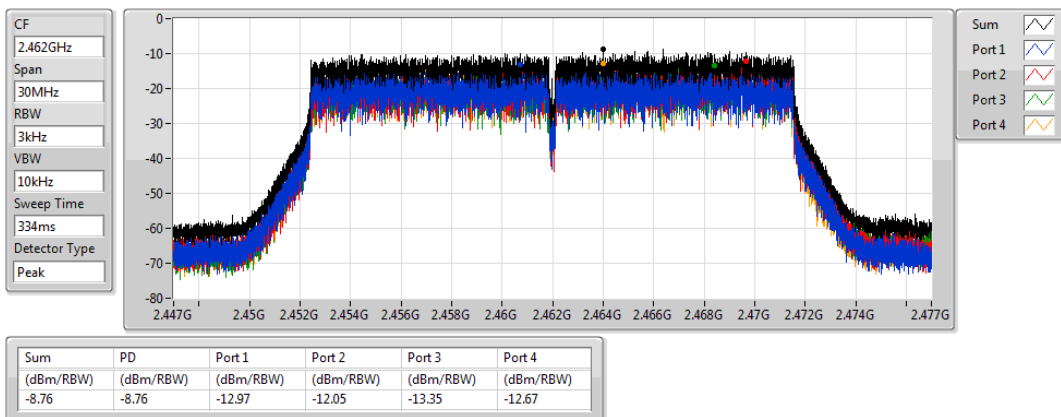


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2462MHz

16/02/2019

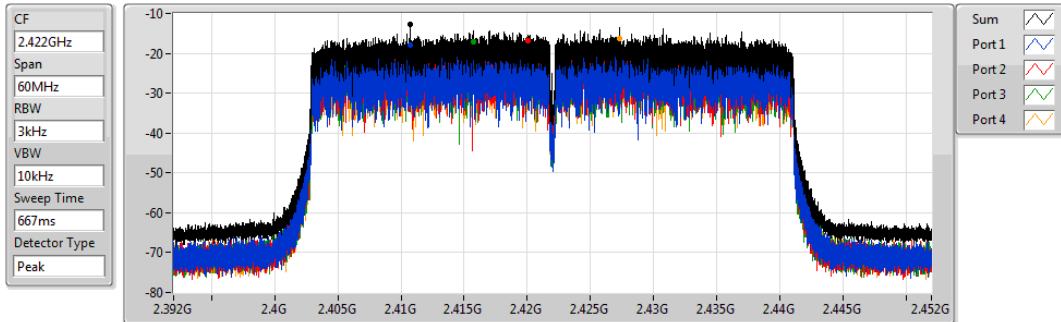


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2422MHz

16/02/2019



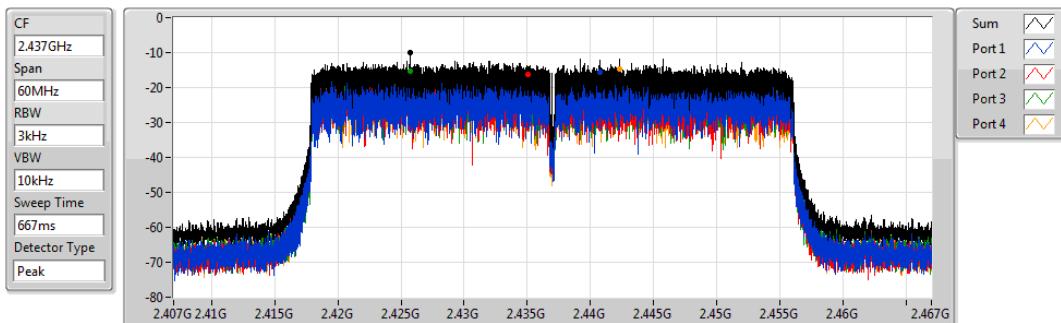
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.65	-12.65	-18.00	-16.95	-17.22	-16.32

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2437MHz

16/02/2019



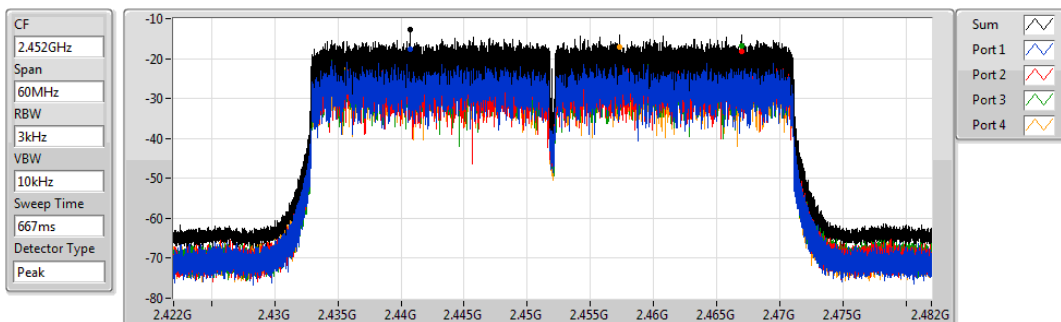
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.95	-9.95	-15.70	-16.19	-15.24	-14.78

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2452MHz

16/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.63	-12.63	-17.60	-18.26	-16.78	-17.07



CSE Non-restricted Band Result

Appendix E.1

For Mode 1: (Ant. 4 Omni antenna / 3 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43645G	-1.27	-21.27	1.82294G	-58.93	2.39998G	-43.79	2.5177G	-57.80	17.22875G	-52.47	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.44455G	-7.17	-27.17	796.57M	-58.62	2.39922G	-49.68	2.49412G	-57.54	16.98994G	-52.40	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4395G	-6.71	-26.71	2.08856G	-58.97	2.39996G	-43.40	2.5112G	-58.39	16.39993G	-52.88	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.442G	-13.16	-33.16	204.33M	-59.30	2.39456G	-54.04	2.52158G	-58.63	17.56791G	-52.74	1

Result

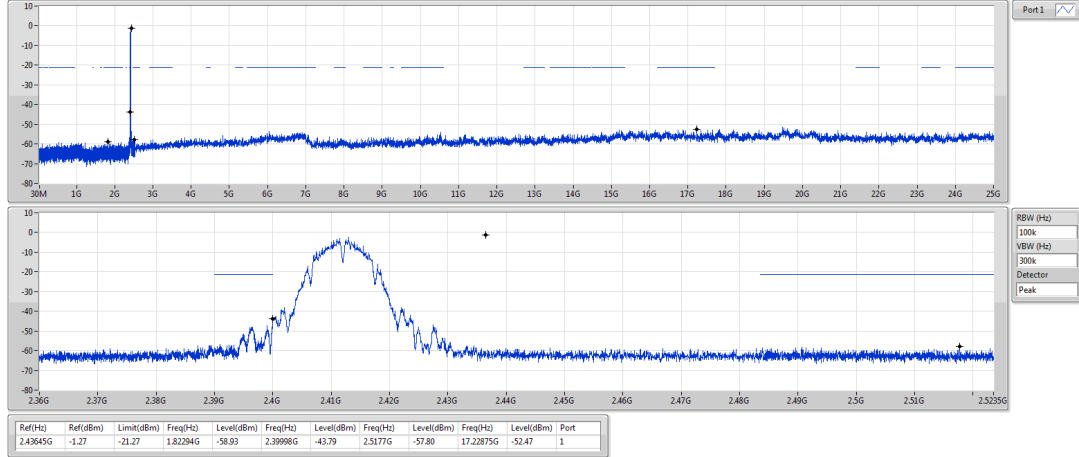
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43645G	-1.27	-21.27	1.82294G	-58.93	2.39998G	-43.79	2.5177G	-57.80	17.22875G	-52.47	1
2437MHz	Pass	2.43645G	-1.27	-21.27	902.88M	-59.22	2.39636G	-55.97	2.4861G	-56.76	16.78765G	-52.56	1
2462MHz	Pass	2.43645G	-1.27	-21.27	2.18671G	-59.71	2.39532G	-58.54	2.50824G	-56.83	16.42241G	-52.66	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44455G	-7.17	-27.17	796.57M	-58.62	2.39922G	-49.68	2.49412G	-57.54	16.98994G	-52.40	1
2437MHz	Pass	2.44455G	-7.17	-27.17	882.78M	-58.64	2.39864G	-50.86	2.4846G	-54.84	16.82979G	-53.04	1
2462MHz	Pass	2.44455G	-7.17	-27.17	830.36M	-58.37	2.39386G	-59.40	2.48894G	-58.20	16.81855G	-52.30	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	-6.71	-26.71	2.08856G	-58.97	2.39996G	-43.40	2.5112G	-58.39	16.39993G	-52.88	1
2437MHz	Pass	2.4395G	-6.71	-26.71	1.93186G	-58.64	2.39978G	-52.00	2.48354G	-55.87	16.20326G	-52.52	1
2462MHz	Pass	2.4395G	-6.71	-26.71	2.04662G	-59.31	2.39824G	-58.07	2.48402G	-57.04	17.50409G	-52.70	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	-13.16	-33.16	204.33M	-59.30	2.39456G	-54.04	2.52158G	-58.63	17.56791G	-52.74	1
2437MHz	Pass	2.442G	-13.16	-33.16	1.85513G	-59.35	2.39676G	-54.07	2.48742G	-57.19	24.17826G	-52.80	1
2452MHz	Pass	2.442G	-13.16	-33.16	930.83M	-59.02	2.3922G	-58.71	2.48358G	-55.18	17.47255G	-53.18	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2412MHz

25/01/2019

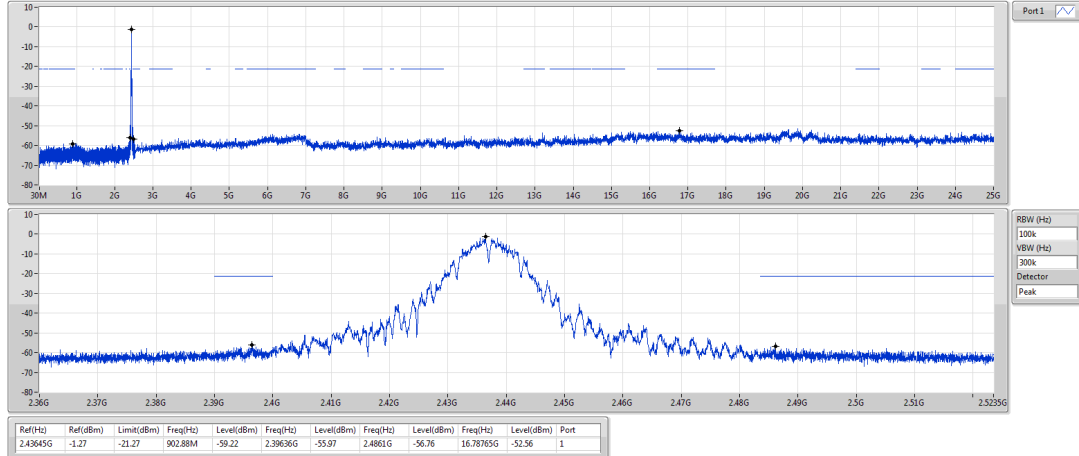


802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2437MHz

25/01/2019

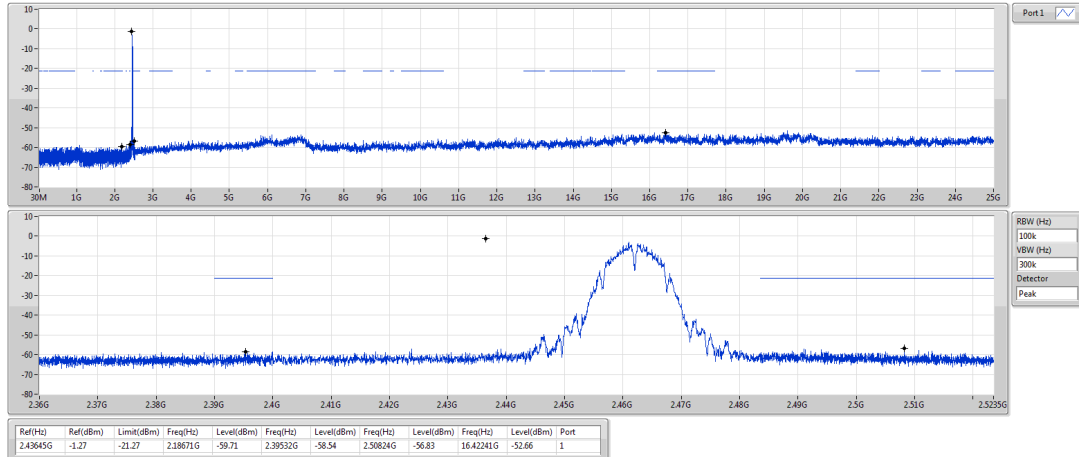


802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2462MHz

25/01/2019

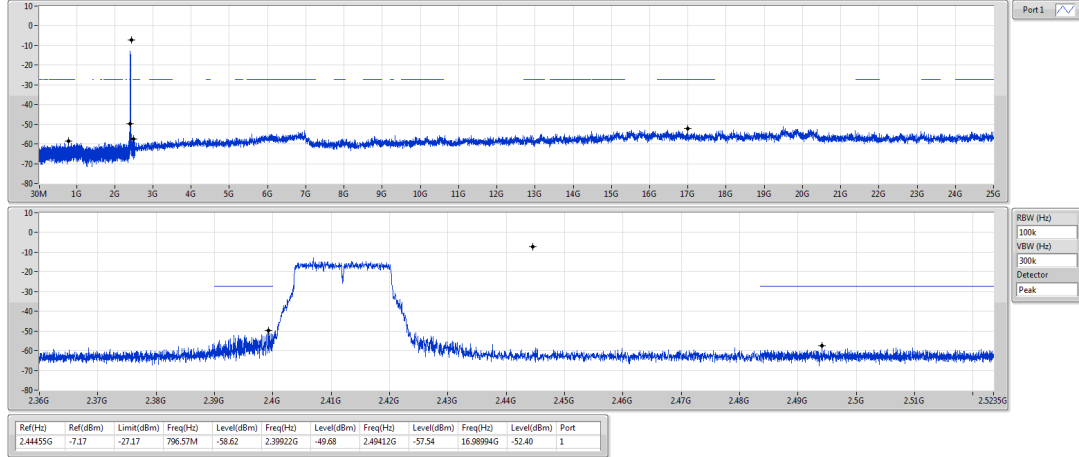


802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

25/01/2019

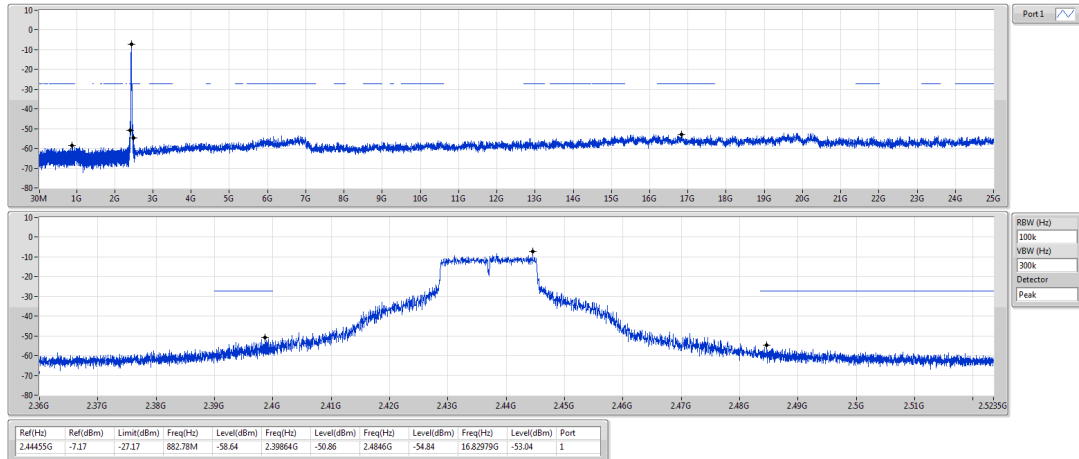


802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

25/01/2019

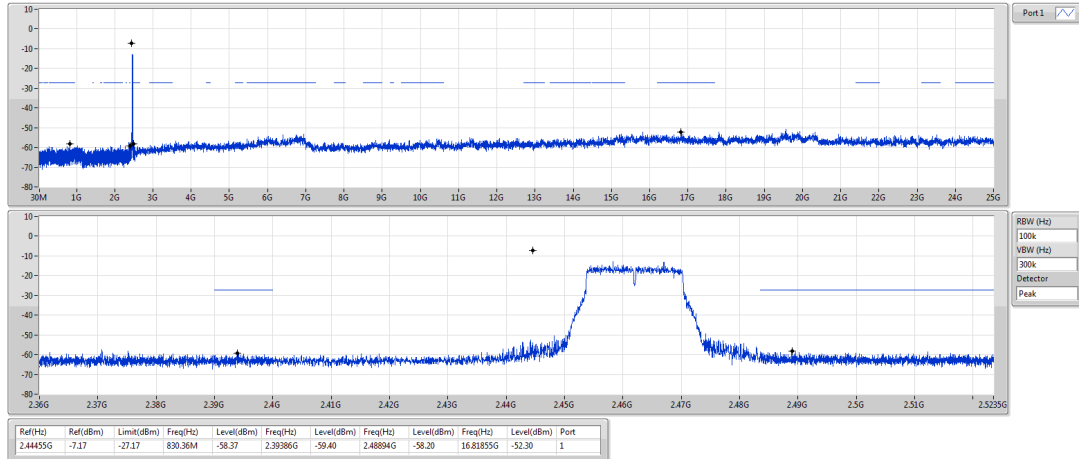


802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

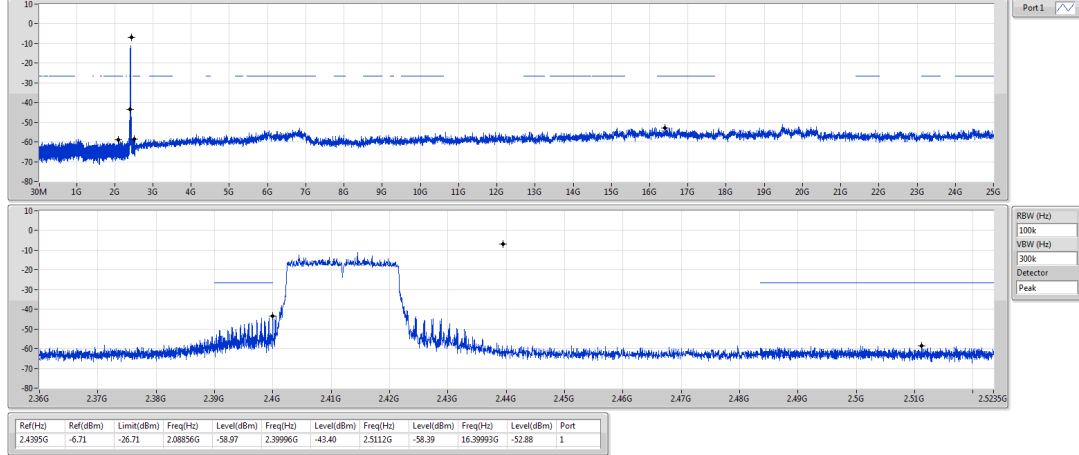
25/01/2019



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

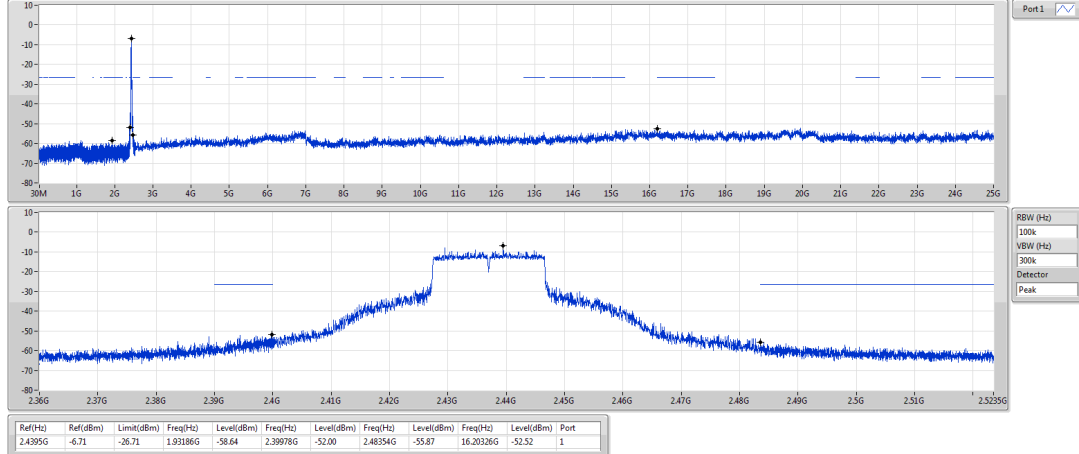
2412MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

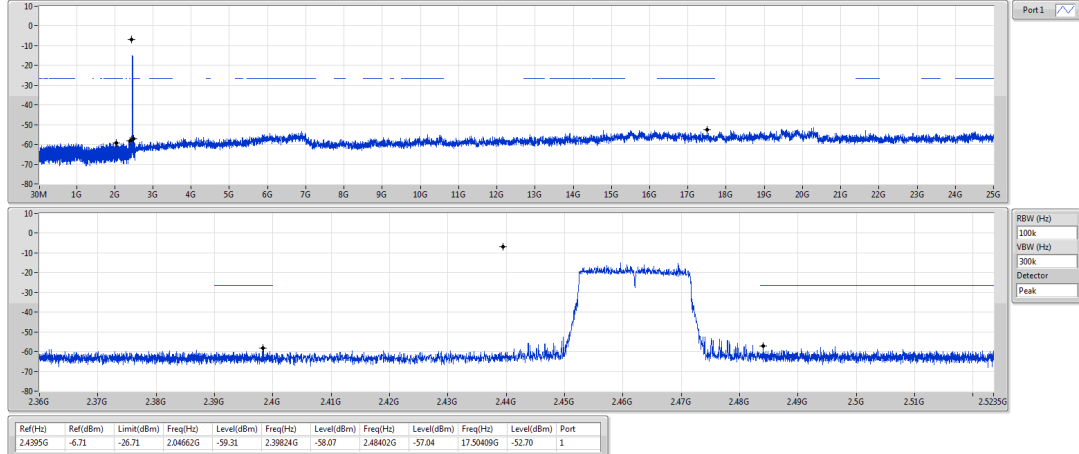
2437MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

2462MHz

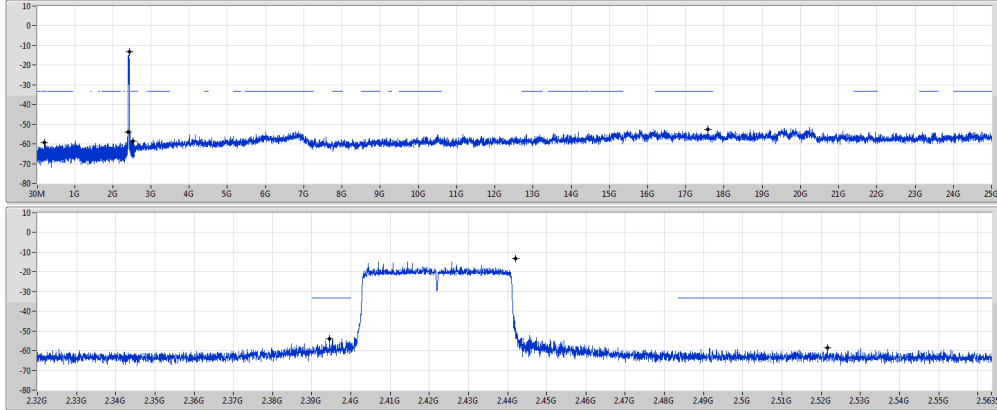


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

25/01/2019

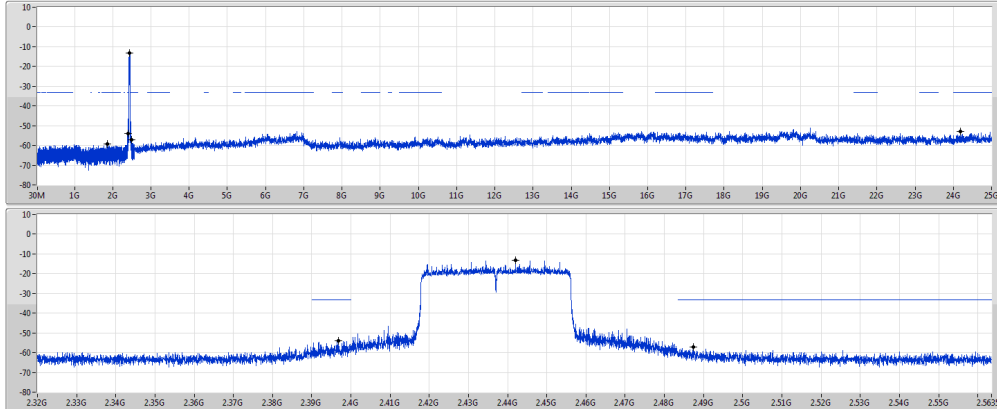


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2437MHz

25/01/2019

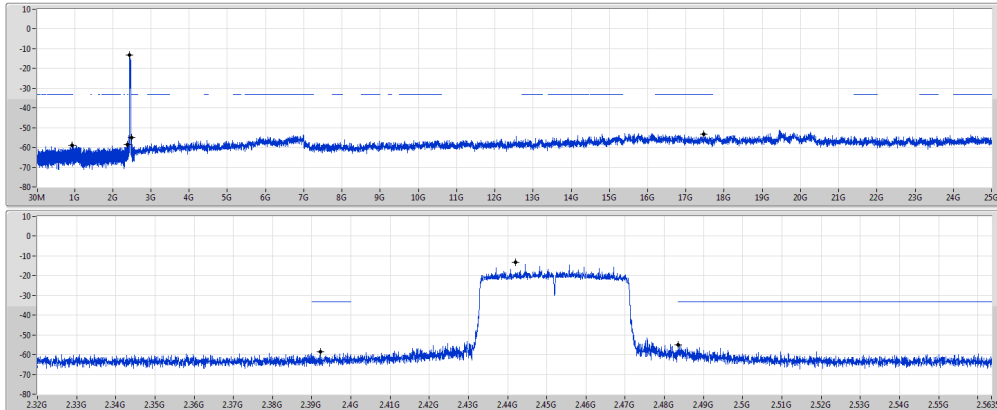


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz

25/01/2019





CSE Non-restricted Band Result

Appendix E.2

For Non-beamforming / 2T2S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.442G	-7.25	-27.25	1.7277G	-59.17	2.39902G	-46.13	2.52096G	-58.14	6.72942G	-52.26	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	-14.25	-34.25	376.36M	-58.43	2.39644G	-57.11	2.52694G	-58.49	16.83031G	-52.45	2

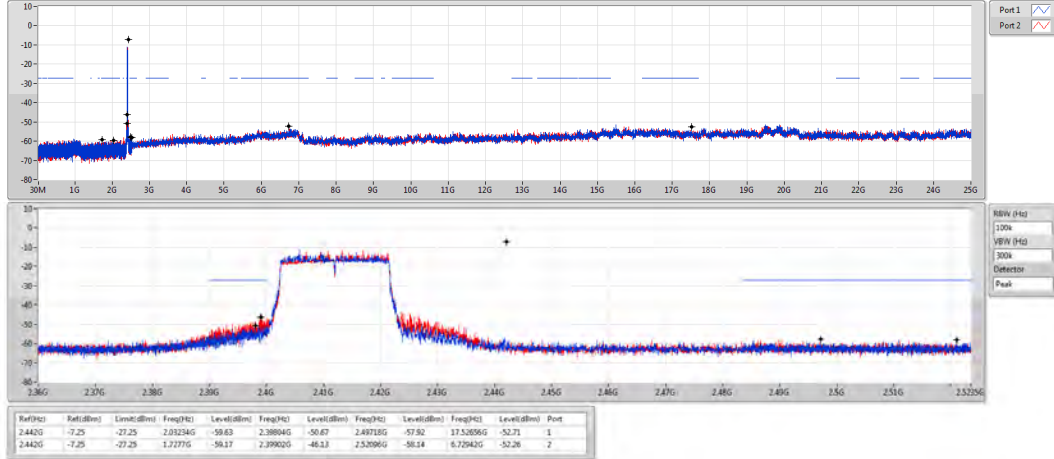
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	-7.25	-27.25	2.03234G	-59.63	2.39804G	-50.67	2.49718G	-57.92	17.52656G	-52.71	1
2412MHz	Pass	2.442G	-7.25	-27.25	1.7277G	-59.17	2.39902G	-46.13	2.52096G	-58.14	6.72942G	-52.26	2
2437MHz	Pass	2.442G	-7.25	-27.25	925.59M	-58.67	2.39844G	-56.17	2.48374G	-57.39	16.21731G	-52.83	1
2437MHz	Pass	2.442G	-7.25	-27.25	915.98M	-59.06	2.39984G	-55.50	2.48776G	-57.01	16.51231G	-52.78	2
2462MHz	Pass	2.442G	-7.25	-27.25	906.66M	-58.80	2.39712G	-59.62	2.48504G	-58.09	16.23417G	-51.83	1
2462MHz	Pass	2.442G	-7.25	-27.25	948.31M	-59.00	2.39728G	-59.49	2.48888G	-57.27	16.86351G	-52.54	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-14.25	-34.25	710.99M	-58.57	2.39984G	-58.13	2.50198G	-58.40	15.23732G	-52.47	1
2422MHz	Pass	2.43198G	-14.25	-34.25	376.36M	-58.43	2.39644G	-57.11	2.52694G	-58.49	16.83031G	-52.45	2
2437MHz	Pass	2.43198G	-14.25	-34.25	210.91M	-58.91	2.39736G	-55.48	2.49758G	-58.25	24.58773G	-53.11	1
2437MHz	Pass	2.43198G	-14.25	-34.25	2.13451G	-58.78	2.39636G	-57.70	2.50326G	-58.43	16.4545G	-52.84	2
2452MHz	Pass	2.43198G	-14.25	-34.25	924.53M	-59.27	2.39748G	-59.53	2.52154G	-58.03	17.48938G	-52.57	1
2452MHz	Pass	2.43198G	-14.25	-34.25	1.80876G	-59.13	2.39652G	-58.90	2.49006G	-58.39	16.35634G	-52.61	2

802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

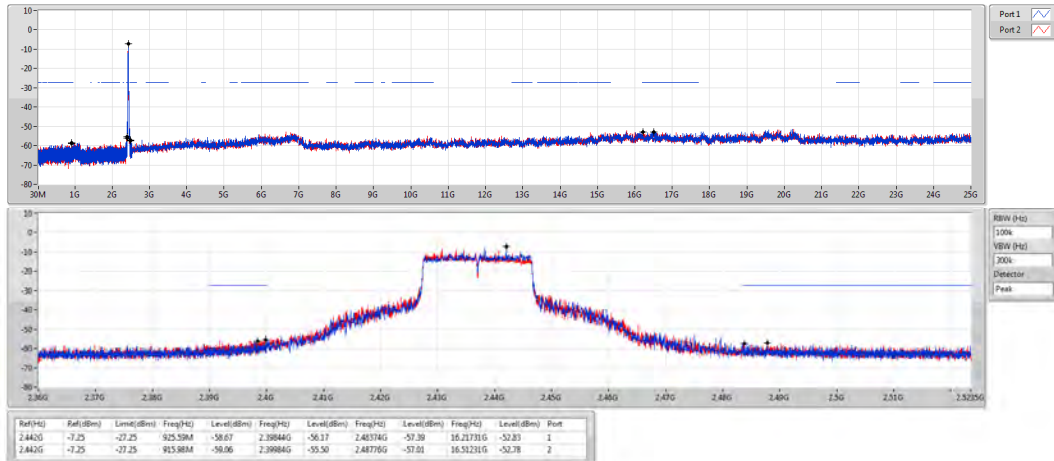
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

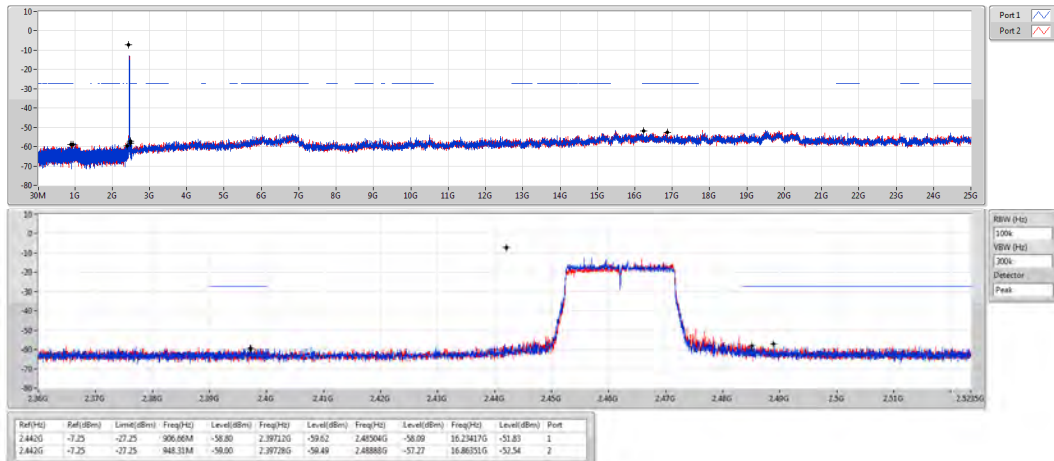
2437MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

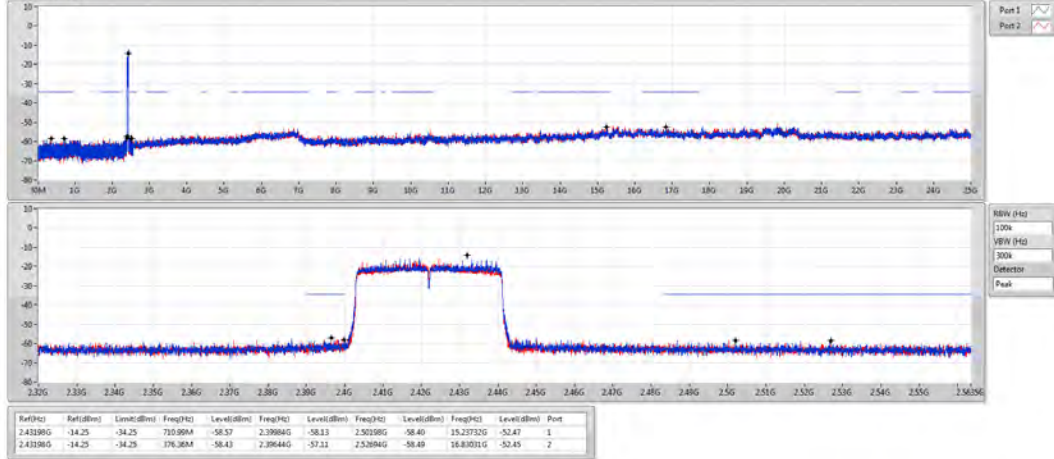
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

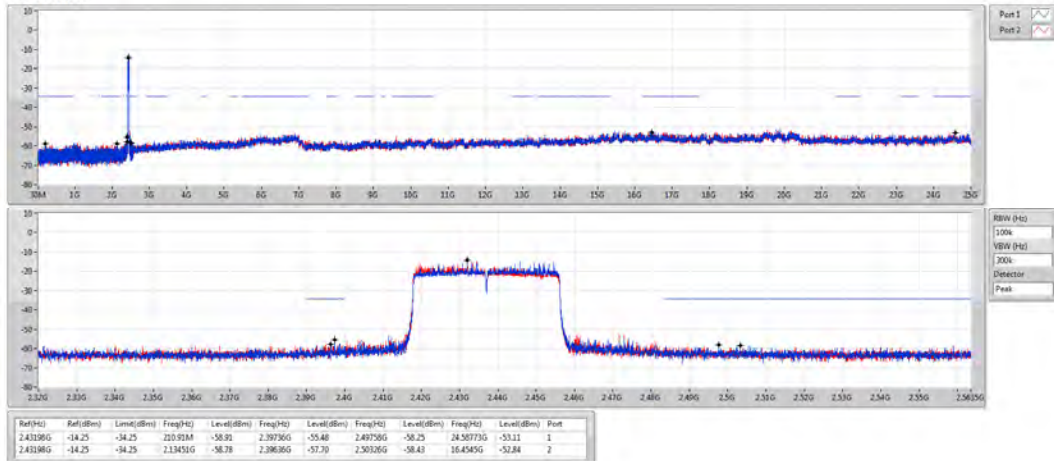
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802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

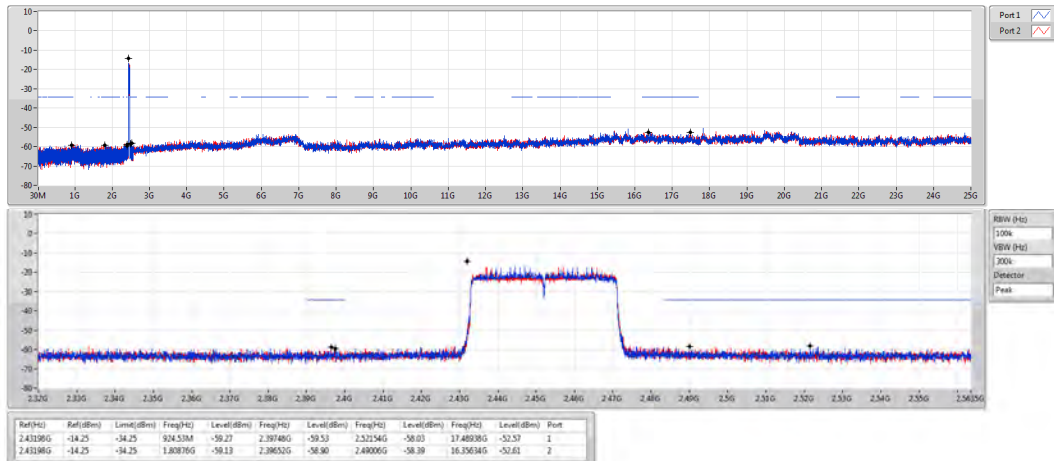
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





CSE Non-restricted Band Result

Appendix E.3

For Non-beamforming / 4T1S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43649G	-0.82	-20.82	2.1535G	-59.48	2.39998G	-47.44	2.52062G	-57.70	16.43364G	-52.32	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.4357G	-9.02	-29.02	399.89M	-59.66	2.39816G	-57.53	2.51938G	-58.71	16.4505G	-51.85	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43828G	-10.25	-30.25	1.94497G	-59.57	2.39904G	-50.51	2.49596G	-57.85	16.44769G	-51.79	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.422G	-15.06	-35.06	935.41M	-58.52	2.39988G	-59.66	2.52022G	-58.24	17.48658G	-51.20	1

Result

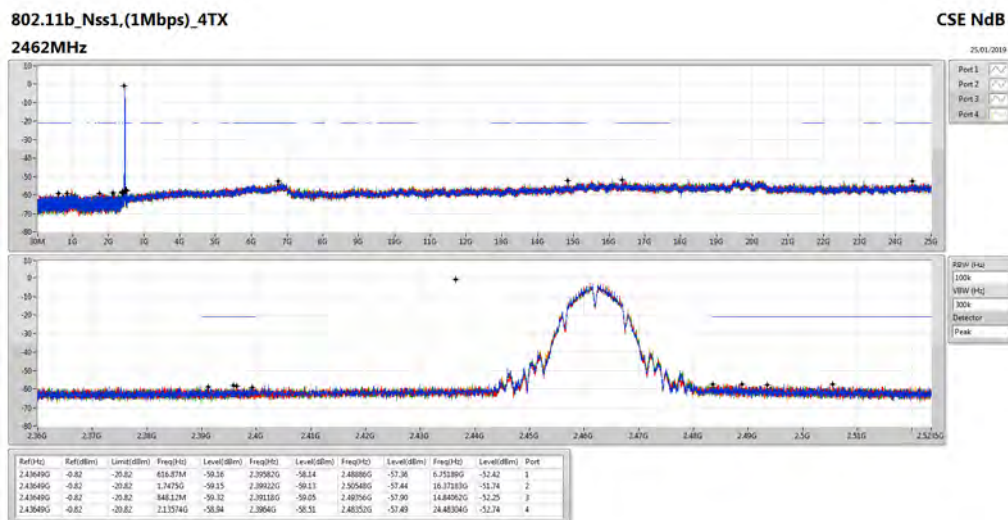
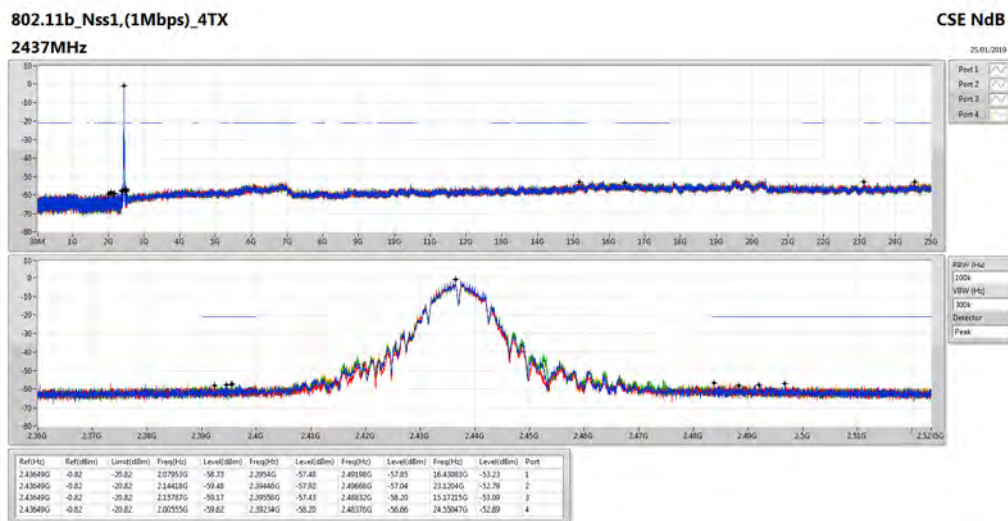
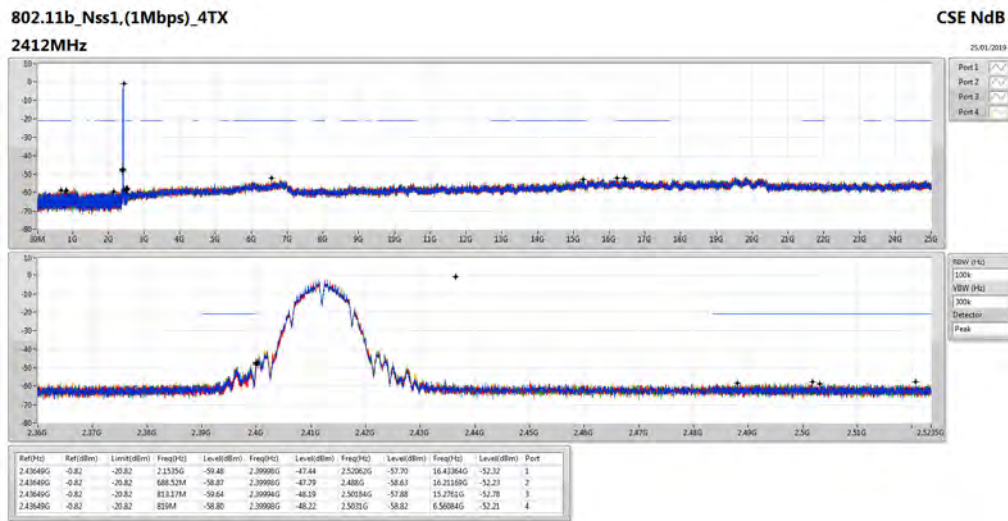
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	-0.82	-20.82	2.1535G	-59.48	2.39998G	-47.44	2.52062G	-57.70	16.43364G	-52.32	1
2412MHz	Pass	2.43649G	-0.82	-20.82	688.52M	-58.87	2.39998G	-47.79	2.488G	-58.63	16.21169G	-52.23	2
2412MHz	Pass	2.43649G	-0.82	-20.82	813.17M	-59.64	2.39994G	-48.19	2.50184G	-57.88	15.2761G	-52.78	3
2412MHz	Pass	2.43649G	-0.82	-20.82	819M	-58.80	2.39998G	-48.22	2.5031G	-58.82	6.56084G	-52.21	4
2437MHz	Pass	2.43649G	-0.82	-20.82	2.07953G	-58.73	2.3954G	-57.48	2.49198G	-57.85	16.43083G	-53.23	1
2437MHz	Pass	2.43649G	-0.82	-20.82	2.14418G	-59.48	2.39446G	-57.92	2.49668G	-57.04	23.1204G	-52.79	2
2437MHz	Pass	2.43649G	-0.82	-20.82	2.15787G	-59.17	2.39558G	-57.43	2.48832G	-58.20	15.17215G	-53.09	3
2437MHz	Pass	2.43649G	-0.82	-20.82	2.00555G	-59.62	2.39234G	-58.20	2.48376G	-56.66	24.55047G	-52.89	4
2462MHz	Pass	2.43649G	-0.82	-20.82	616.87M	-59.16	2.39582G	-58.14	2.48886G	-57.36	6.75189G	-52.42	1
2462MHz	Pass	2.43649G	-0.82	-20.82	1.7475G	-59.15	2.39922G	-59.13	2.50548G	-57.44	16.37183G	-51.74	2
2462MHz	Pass	2.43649G	-0.82	-20.82	848.12M	-59.32	2.39118G	-59.05	2.49356G	-57.90	14.84062G	-52.25	3
2462MHz	Pass	2.43649G	-0.82	-20.82	2.13574G	-58.94	2.3964G	-58.51	2.48352G	-57.49	24.48304G	-52.74	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	-9.02	-29.02	2.12088G	-59.26	2.3987G	-56.01	2.5032G	-58.48	17.23437G	-51.93	1
2412MHz	Pass	2.4357G	-9.02	-29.02	958.51M	-59.07	2.39832G	-57.93	2.49654G	-58.16	6.6367G	-53.19	2
2412MHz	Pass	2.4357G	-9.02	-29.02	2.08069G	-59.62	2.39666G	-57.10	2.5036G	-58.56	16.75393G	-51.86	3
2412MHz	Pass	2.4357G	-9.02	-29.02	1.80284G	-58.82	2.3983G	-53.28	2.48978G	-58.04	16.3915G	-52.71	4
2437MHz	Pass	2.4357G	-9.02	-29.02	2.0839G	-58.66	2.39332G	-58.47	2.48782G	-57.60	15.14125G	-52.41	1
2437MHz	Pass	2.4357G	-9.02	-29.02	399.89M	-59.66	2.39816G	-57.53	2.51938G	-58.71	16.4505G	-51.85	2
2437MHz	Pass	2.4357G	-9.02	-29.02	441.54M	-59.10	2.39386G	-58.53	2.48942G	-58.30	15.27329G	-52.75	3
2437MHz	Pass	2.4357G	-9.02	-29.02	235.33M	-58.57	2.39786G	-57.71	2.48436G	-57.95	15.20306G	-53.06	4
2462MHz	Pass	2.4357G	-9.02	-29.02	2.15613G	-59.21	2.39994G	-59.19	2.48934G	-58.70	16.90003G	-52.77	1
2462MHz	Pass	2.4357G	-9.02	-29.02	357.07M	-59.11	2.397G	-59.26	2.49554G	-57.69	15.17496G	-52.56	2
2462MHz	Pass	2.4357G	-9.02	-29.02	1.7909G	-59.42	2.39112G	-59.19	2.48366G	-57.77	15.17215G	-52.38	3
2462MHz	Pass	2.4357G	-9.02	-29.02	907.25M	-59.17	2.39798G	-59.34	2.48484G	-58.43	24.34818G	-52.91	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43828G	-10.25	-30.25	1.94497G	-59.57	2.39904G	-50.51	2.49596G	-57.85	16.44769G	-51.79	1
2412MHz	Pass	2.43828G	-10.25	-30.25	2.01749G	-59.14	2.39978G	-51.03	2.52024G	-58.80	16.79889G	-52.37	2
2412MHz	Pass	2.43828G	-10.25	-30.25	2.14826G	-58.70	2.39962G	-51.84	2.48472G	-58.47	16.4196G	-52.15	3
2412MHz	Pass	2.43828G	-10.25	-30.25	1.76177G	-59.20	2.399G	-51.43	2.49688G	-58.45	15.24801G	-51.20	4
2437MHz	Pass	2.43828G	-10.25	-30.25	939.57M	-58.73	2.3978G	-57.44	2.51454G	-58.45	16.26507G	-53.00	1
2437MHz	Pass	2.43828G	-10.25	-30.25	1.82264G	-59.08	2.39746G	-56.28	2.51404G	-58.60	6.83899G	-52.39	2
2437MHz	Pass	2.43828G	-10.25	-30.25	1.92982G	-58.43	2.39976G	-56.71	2.48964G	-58.67	16.76517G	-52.73	3
2437MHz	Pass	2.43828G	-10.25	-30.25	712.11M	-59.49	2.3999G	-57.34	2.51872G	-58.33	16.68931G	-53.32	4
2462MHz	Pass	2.43828G	-10.25	-30.25	1.98225G	-58.14	2.39756G	-59.37	2.51486G	-58.57	15.14405G	-52.61	1
2462MHz	Pass	2.43828G	-10.25	-30.25	2.06817G	-59.30	2.3971G	-58.64	2.51618G	-58.43	16.36621G	-50.94	2

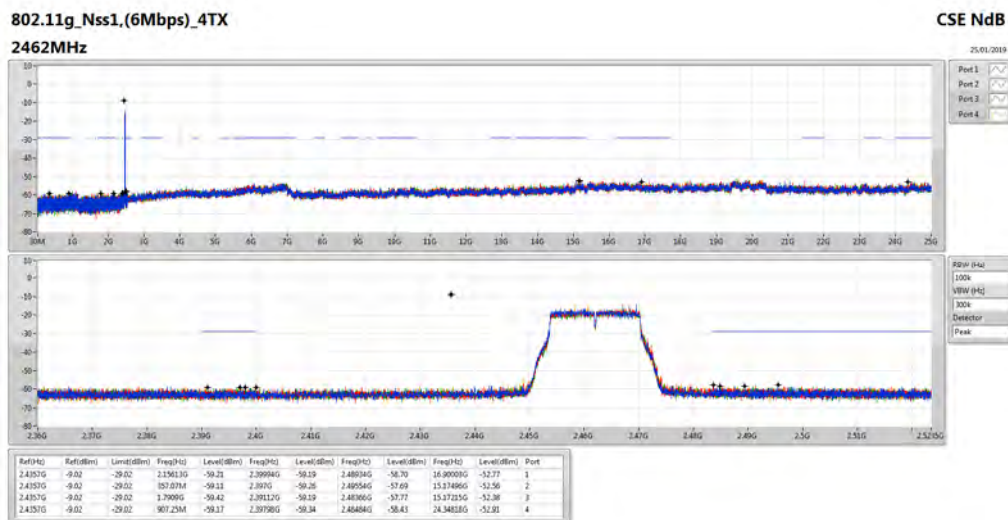
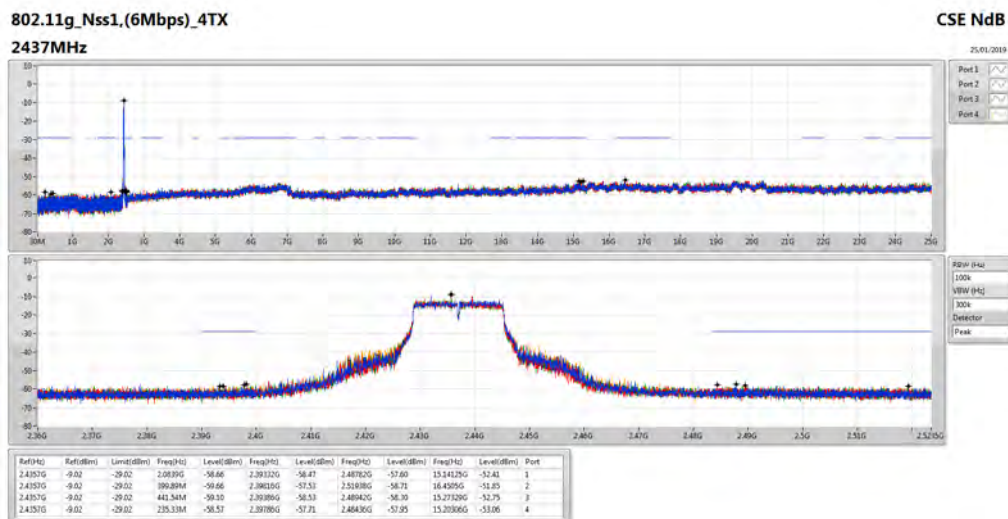
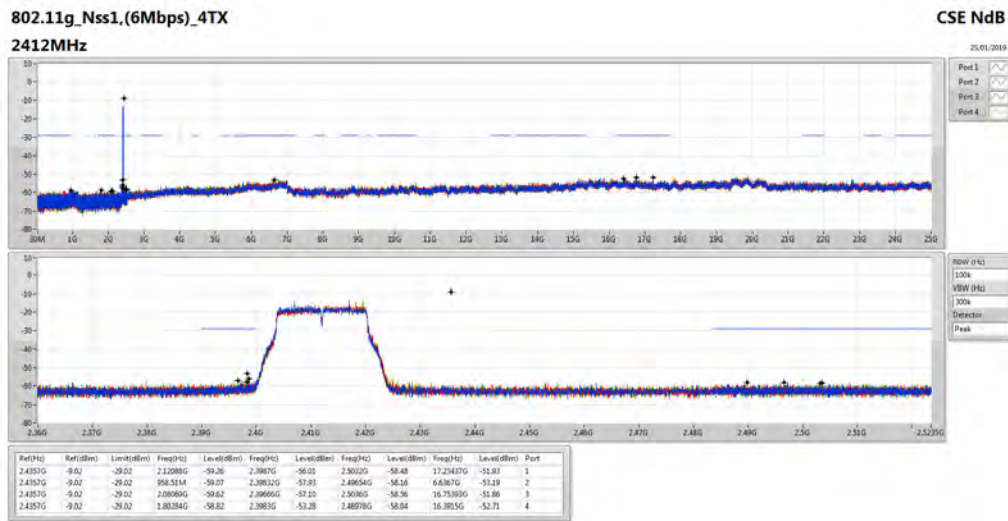


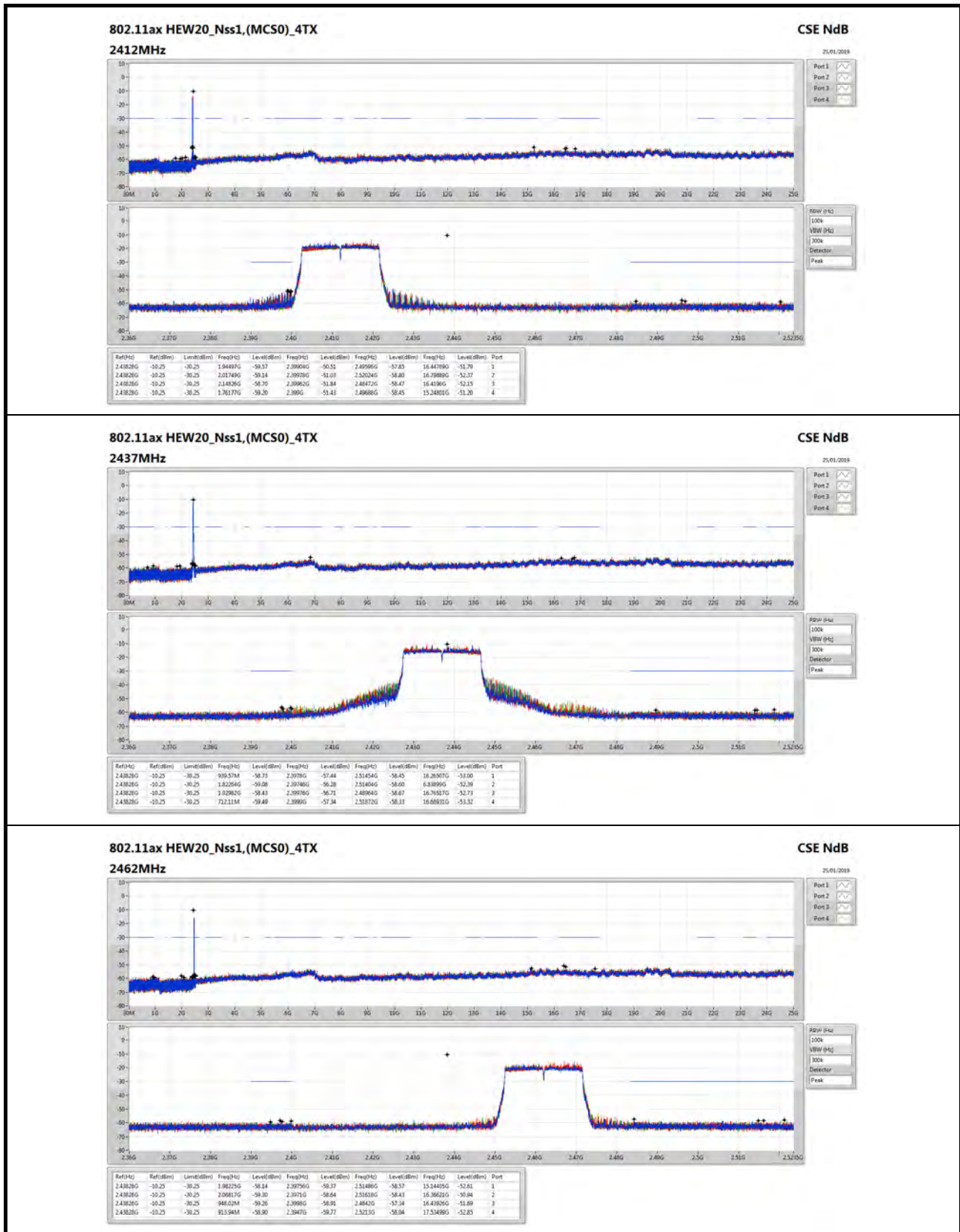
CSE Non-restricted Band Result

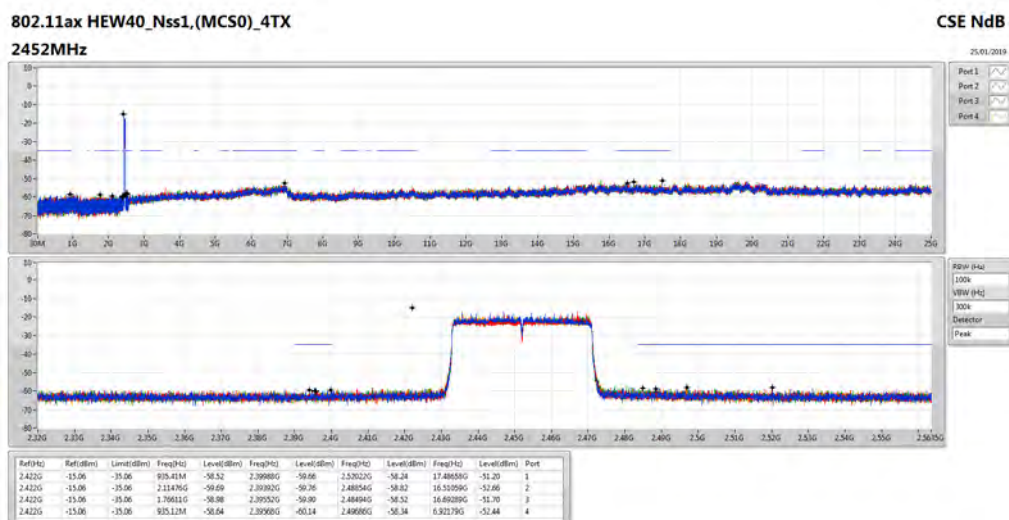
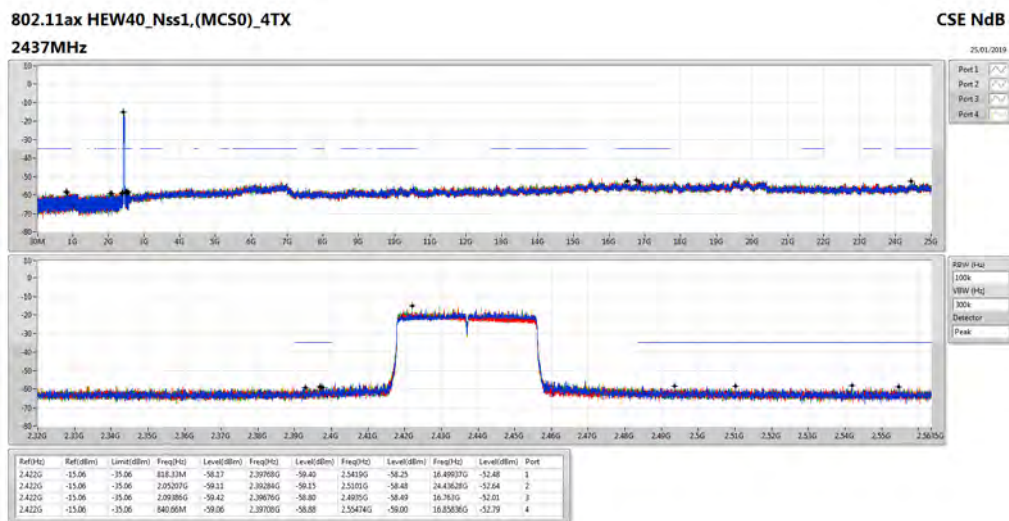
Appendix E.3

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.43828G	-10.25	-30.25	948.02M	-59.26	2.3998G	-58.91	2.4842G	-57.34	16.43926G	-51.69	3
2462MHz	Pass	2.43828G	-10.25	-30.25	913.94M	-58.90	2.3947G	-59.77	2.5213G	-58.04	17.53499G	-52.85	4
802.11ax HEW40_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.422G	-15.06	-35.06	878.73M	-58.97	2.39752G	-58.30	2.50238G	-58.83	16.4573G	-52.09	1
2422MHz	Pass	2.422G	-15.06	-35.06	803.45M	-58.42	2.39132G	-58.86	2.50714G	-58.40	17.16125G	-52.08	2
2422MHz	Pass	2.422G	-15.06	-35.06	953.73M	-58.85	2.39972G	-59.09	2.49538G	-59.32	24.87099G	-52.52	3
2422MHz	Pass	2.422G	-15.06	-35.06	1.88805G	-59.65	2.39712G	-58.67	2.50666G	-58.91	15.08587G	-52.80	4
2437MHz	Pass	2.422G	-15.06	-35.06	818.33M	-58.17	2.39768G	-59.40	2.5419G	-58.25	16.49937G	-52.48	1
2437MHz	Pass	2.422G	-15.06	-35.06	2.05207G	-59.11	2.39284G	-59.15	2.5101G	-58.48	24.43628G	-52.64	2
2437MHz	Pass	2.422G	-15.06	-35.06	2.09386G	-59.42	2.39676G	-58.80	2.4935G	-58.49	16.763G	-52.01	3
2437MHz	Pass	2.422G	-15.06	-35.06	840.66M	-59.06	2.39708G	-58.88	2.55474G	-59.00	16.85836G	-52.79	4
2452MHz	Pass	2.422G	-15.06	-35.06	935.41M	-58.52	2.39988G	-59.66	2.52022G	-58.24	17.48658G	-51.20	1
2452MHz	Pass	2.422G	-15.06	-35.06	2.11476G	-59.69	2.39392G	-59.76	2.48854G	-58.82	16.51059G	-52.66	2
2452MHz	Pass	2.422G	-15.06	-35.06	1.76611G	-58.98	2.39552G	-59.90	2.48494G	-58.52	16.69289G	-51.70	3
2452MHz	Pass	2.422G	-15.06	-35.06	935.12M	-58.64	2.39568G	-60.14	2.49686G	-58.34	6.92179G	-52.44	4











CSE Non-restricted Band Result

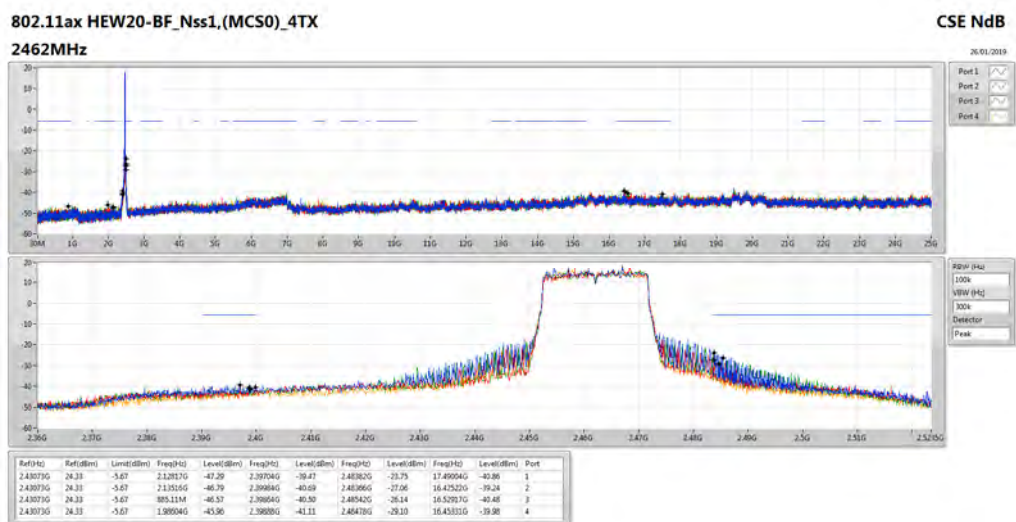
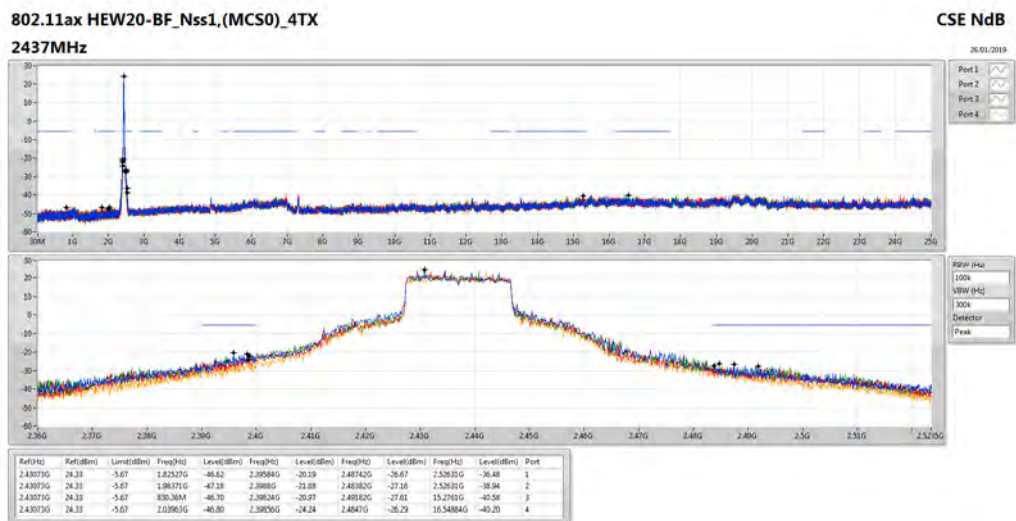
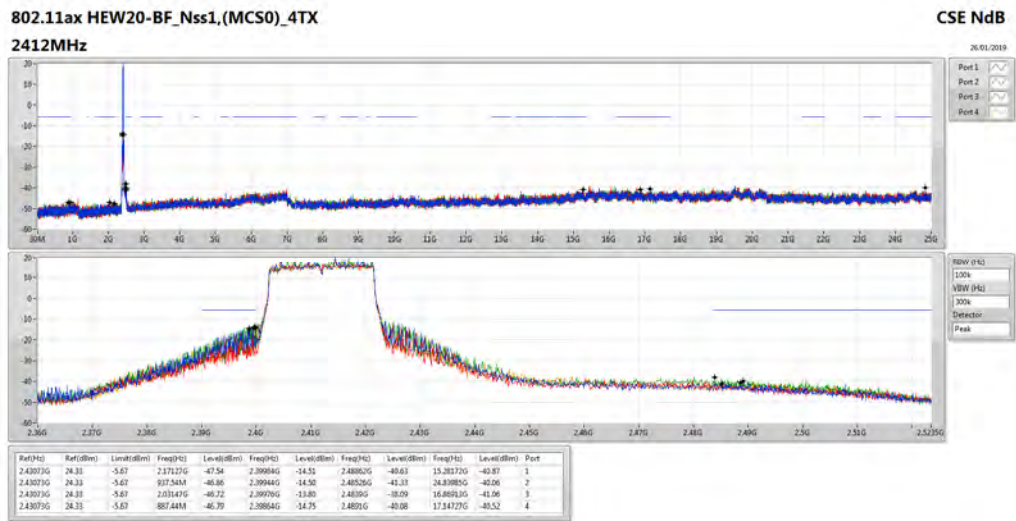
Appendix E.4

For Beamforming / 4T1S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.43073G	24.33	-5.67	2.03147G	-46.72	2.39976G	-13.80	2.4839G	-38.09	16.86913G	-41.06	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.44192G	16.17	-13.83	1.91582G	-47.19	2.39712G	-24.66	2.48606G	-37.91	15.30182G	-40.18	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	24.33	-5.67	2.17127G	-47.54	2.39984G	-14.51	2.48862G	-40.63	15.28172G	-40.87	1
2412MHz	Pass	2.43073G	24.33	-5.67	937.54M	-46.86	2.39944G	-14.50	2.48526G	-41.33	24.83985G	-40.06	2
2412MHz	Pass	2.43073G	24.33	-5.67	2.03147G	-46.72	2.39976G	-13.80	2.4839G	-38.09	16.86913G	-41.06	3
2412MHz	Pass	2.43073G	24.33	-5.67	887.44M	-46.79	2.39864G	-14.75	2.4891G	-40.08	17.14727G	-40.52	4
2437MHz	Pass	2.43073G	24.33	-5.67	1.82527G	-46.62	2.39584G	-20.19	2.48742G	-26.67	2.52631G	-36.48	1
2437MHz	Pass	2.43073G	24.33	-5.67	1.98371G	-47.18	2.3988G	-21.88	2.48382G	-27.16	2.52631G	-38.94	2
2437MHz	Pass	2.43073G	24.33	-5.67	830.36M	-46.70	2.39824G	-20.97	2.49182G	-27.61	15.2761G	-40.58	3
2437MHz	Pass	2.43073G	24.33	-5.67	2.03963G	-46.80	2.39856G	-24.24	2.4847G	-26.29	16.54884G	-40.20	4
2462MHz	Pass	2.43073G	24.33	-5.67	2.12817G	-47.29	2.39704G	-39.47	2.48382G	-23.75	17.49004G	-40.86	1
2462MHz	Pass	2.43073G	24.33	-5.67	2.13516G	-46.79	2.39984G	-40.69	2.48366G	-27.06	16.42522G	-39.24	2
2462MHz	Pass	2.43073G	24.33	-5.67	885.11M	-46.57	2.39864G	-40.50	2.48542G	-26.14	16.52917G	-40.48	3
2462MHz	Pass	2.43073G	24.33	-5.67	1.98604G	-45.96	2.39888G	-41.11	2.48478G	-29.10	16.45331G	-39.98	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	16.17	-13.83	1.91582G	-47.19	2.39712G	-24.66	2.48606G	-37.91	15.30182G	-40.18	1
2422MHz	Pass	2.44192G	16.17	-13.83	2.08642G	-46.20	2.39472G	-30.44	2.49198G	-39.31	14.50813G	-40.78	2
2422MHz	Pass	2.44192G	16.17	-13.83	2.1597G	-47.20	2.39504G	-27.30	2.4867G	-36.79	16.86677G	-40.75	3
2422MHz	Pass	2.44192G	16.17	-13.83	949.44M	-46.57	2.3984G	-30.59	2.48718G	-39.56	15.25415G	-39.90	4
2437MHz	Pass	2.44192G	16.17	-13.83	1.78758G	-47.45	2.3984G	-30.31	2.48382G	-36.42	21.46064G	-40.27	1
2437MHz	Pass	2.44192G	16.17	-13.83	1.8849G	-47.03	2.39872G	-32.34	2.48814G	-34.67	16.44608G	-40.55	2
2437MHz	Pass	2.44192G	16.17	-13.83	512.05M	-47.28	2.39952G	-30.20	2.4859G	-34.76	16.42926G	-39.25	3
2437MHz	Pass	2.44192G	16.17	-13.83	695.25M	-46.51	2.39872G	-34.38	2.48638G	-37.58	15.10831G	-40.00	4
2452MHz	Pass	2.44192G	16.17	-13.83	2.02345G	-47.18	2.39936G	-35.84	2.4859G	-26.69	16.43206G	-40.20	1
2452MHz	Pass	2.44192G	16.17	-13.83	958.6M	-47.46	2.39856G	-36.61	2.4859G	-27.52	17.06028G	-39.82	2
2452MHz	Pass	2.44192G	16.17	-13.83	1.80819G	-46.91	2.39408G	-37.52	2.4843G	-28.18	16.51059G	-40.46	3
2452MHz	Pass	2.44192G	16.17	-13.83	1.9994G	-46.50	2.3968G	-38.23	2.48398G	-31.60	24.88782G	-40.98	4



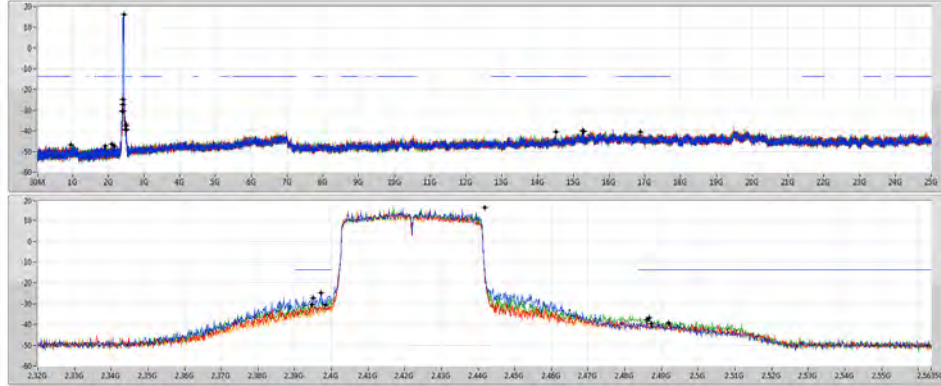
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz

CSE NdB

26/01/2019

Port 1
Port 2
Port 3
Port 4



Ref(Freq)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443920	16.17	-11.83	1.919320	-47.19	2.397270	-24.86	2.486060	-37.81	15.301420	-40.18	1
2.443920	16.17	-11.83	2.086420	-46.20	2.398720	-30.84	2.481880	-39.31	14.508130	-40.78	2
2.443920	16.17	-11.83	2.15970	-47.20	2.399040	-27.30	2.48070	-36.79	16.866770	-40.75	3
2.443920	16.17	-11.83	949.4481	-46.57	2.388640	-30.59	2.487190	-39.36	15.294150	-39.90	4

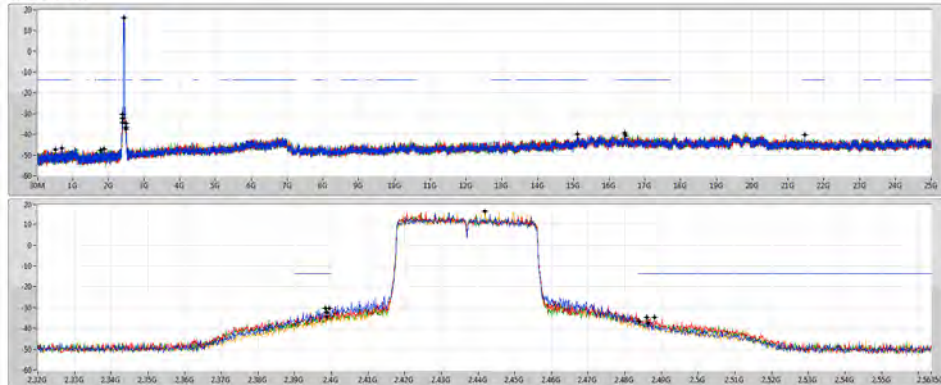
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz

CSE NdB

26/01/2019

Port 1
Port 2
Port 3
Port 4



Ref(Freq)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443920	16.17	-11.83	1.797540	-47.45	2.38840	-30.31	2.481870	-36.42	15.488640	-40.27	1
2.443920	16.17	-11.83	1.88400	-47.03	2.388720	-32.34	2.481140	-34.67	16.446080	-40.59	2
2.443920	16.17	-11.83	512.0541	-47.28	2.399520	-30.20	2.481980	-34.76	16.429280	-39.29	3
2.443920	16.17	-11.83	695.2581	-46.51	2.388720	-34.38	2.486380	-37.36	15.108110	-40.00	4

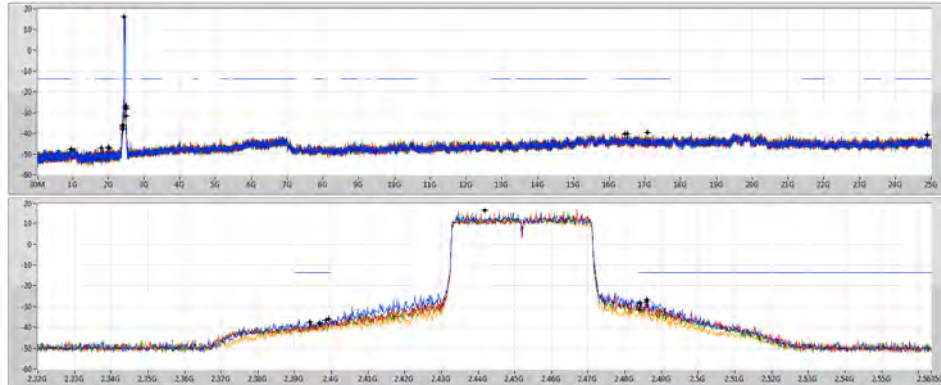
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz

CSE NdB

26/01/2019

Port 1
Port 2
Port 3
Port 4



Ref(Freq)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443920	16.17	-11.83	2.023450	-47.18	2.399380	-35.84	2.48590	-26.69	16.412060	-40.20	1
2.443920	16.17	-11.83	956.6341	-47.46	2.399540	-36.63	2.48590	-27.52	17.060280	-39.62	2
2.443920	16.17	-11.83	1.608010	-46.89	2.394060	-37.52	2.48410	-28.28	16.515090	-40.46	3
2.443920	16.17	-11.83	1.99945	-46.50	2.39605	-36.23	2.483990	-31.60	24.387020	-40.98	4



CSE Non-restricted Band Result

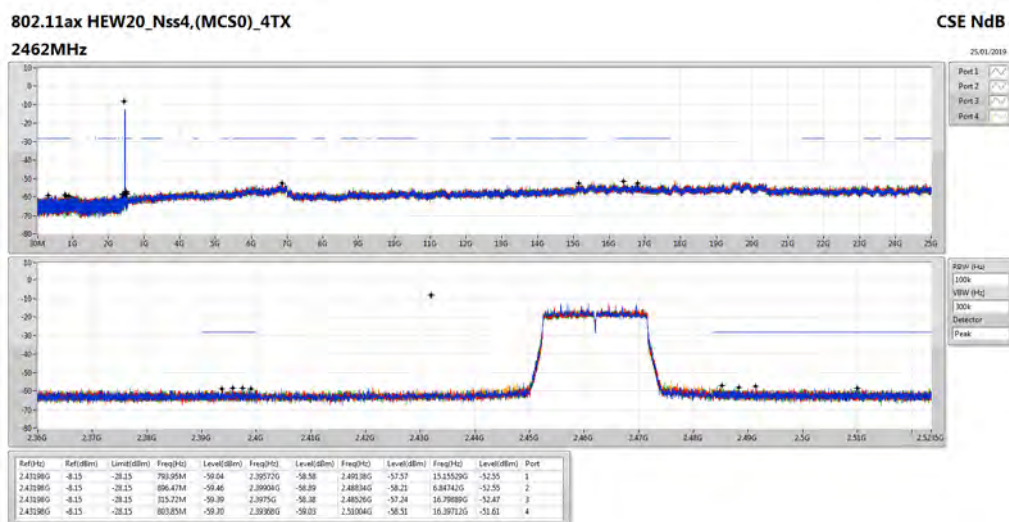
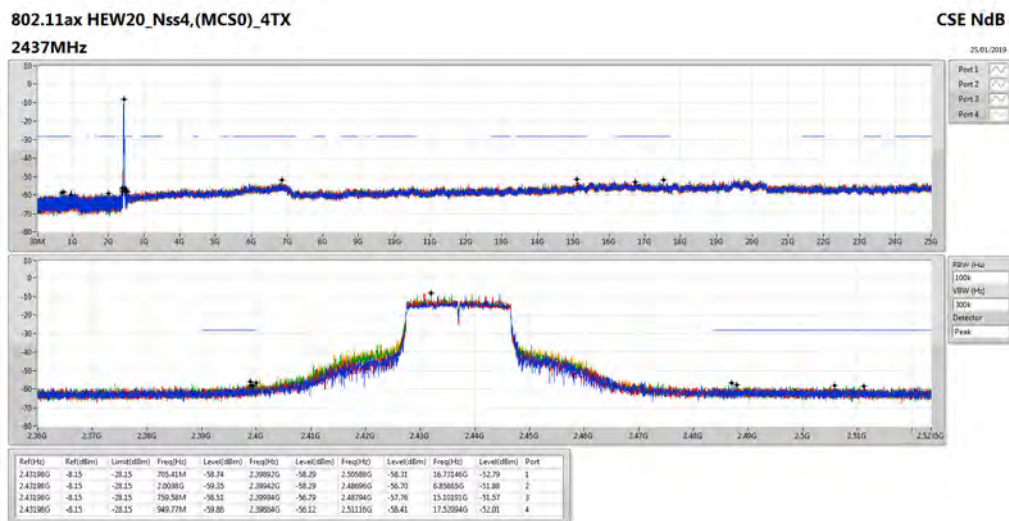
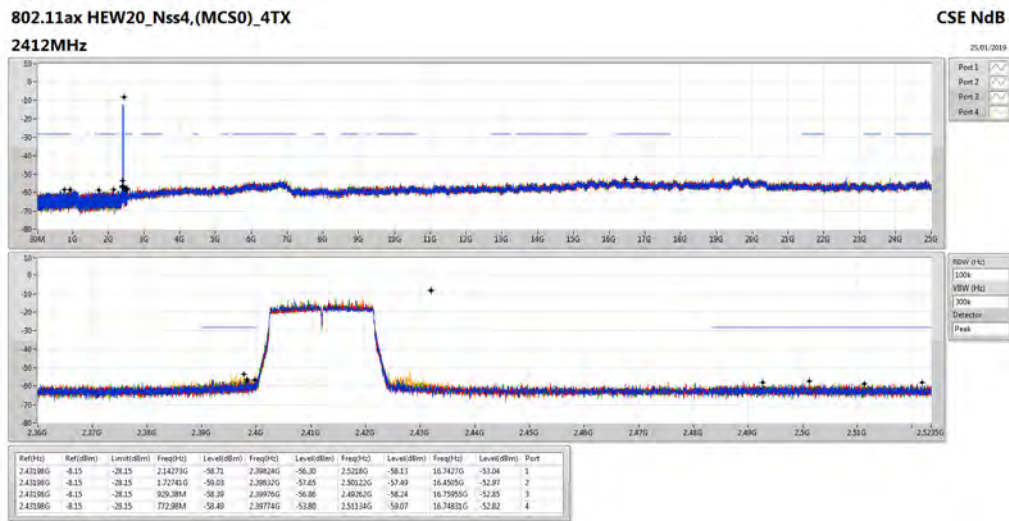
Appendix E.5

For Non-beamforming / 4T4S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	Pass	2.43198G	-8.15	-28.15	759.58M	-58.51	2.39994G	-56.79	2.48794G	-57.76	15.10191G	-51.57	3
802.11ax HEW40_Nss4,(MCS0)_4TX	Pass	2.43198G	-15.77	-35.77	1.96219G	-59.28	2.39088G	-60.31	2.48702G	-57.40	24.50079G	-51.42	3

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	-8.15	-28.15	2.14273G	-58.71	2.39824G	-56.30	2.5218G	-58.13	16.7427G	-53.04	1
2412MHz	Pass	2.43198G	-8.15	-28.15	1.72741G	-59.03	2.39832G	-57.65	2.50122G	-57.49	16.4505G	-52.97	2
2412MHz	Pass	2.43198G	-8.15	-28.15	929.38M	-58.39	2.39976G	-56.86	2.49262G	-58.24	16.75955G	-52.85	3
2412MHz	Pass	2.43198G	-8.15	-28.15	772.98M	-58.49	2.39774G	-53.80	2.51134G	-59.07	16.74831G	-52.82	4
2437MHz	Pass	2.43198G	-8.15	-28.15	705.41M	-58.74	2.39892G	-58.29	2.50588G	-58.31	16.73146G	-52.79	1
2437MHz	Pass	2.43198G	-8.15	-28.15	2.0038G	-59.35	2.39942G	-58.29	2.48696G	-56.70	6.85865G	-51.88	2
2437MHz	Pass	2.43198G	-8.15	-28.15	759.58M	-58.51	2.39994G	-56.79	2.48794G	-57.76	15.10191G	-51.57	3
2437MHz	Pass	2.43198G	-8.15	-28.15	949.77M	-59.86	2.39884G	-56.12	2.51116G	-58.41	17.52094G	-52.01	4
2462MHz	Pass	2.43198G	-8.15	-28.15	793.95M	-59.04	2.39572G	-58.58	2.49138G	-57.57	15.15529G	-52.55	1
2462MHz	Pass	2.43198G	-8.15	-28.15	896.47M	-59.46	2.39904G	-58.89	2.48834G	-58.21	6.84742G	-52.55	2
2462MHz	Pass	2.43198G	-8.15	-28.15	315.72M	-59.39	2.3975G	-58.38	2.48526G	-57.24	16.79889G	-52.47	3
2462MHz	Pass	2.43198G	-8.15	-28.15	803.85M	-59.70	2.39368G	-59.03	2.51004G	-58.51	16.39712G	-51.61	4
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-15.77	-35.77	2.07468G	-58.08	2.39848G	-58.53	2.48954G	-58.58	16.42084G	-52.64	1
2422MHz	Pass	2.43198G	-15.77	-35.77	688.38M	-59.46	2.39988G	-59.24	2.52574G	-58.90	16.35353G	-52.52	2
2422MHz	Pass	2.43198G	-15.77	-35.77	1.87116G	-59.46	2.39052G	-57.08	2.53318G	-58.57	6.82924G	-53.36	3
2422MHz	Pass	2.43198G	-15.77	-35.77	2.13966G	-59.37	2.39856G	-56.70	2.52442G	-58.83	16.49657G	-53.05	4
2437MHz	Pass	2.43198G	-15.77	-35.77	1.92641G	-58.56	2.39952G	-56.03	2.4855G	-58.21	24.81209G	-52.67	1
2437MHz	Pass	2.43198G	-15.77	-35.77	2.089G	-58.73	2.39828G	-56.46	2.49546G	-58.13	15.08026G	-52.50	2
2437MHz	Pass	2.43198G	-15.77	-35.77	907.93M	-59.04	2.39948G	-58.43	2.51454G	-59.09	17.66607G	-52.42	3
2437MHz	Pass	2.43198G	-15.77	-35.77	898.48M	-59.10	2.39252G	-58.59	2.48842G	-58.10	16.44328G	-51.87	4
2452MHz	Pass	2.43198G	-15.77	-35.77	1.77784G	-59.24	2.39464G	-59.57	2.48898G	-57.77	6.10847G	-52.83	1
2452MHz	Pass	2.43198G	-15.77	-35.77	2.09758G	-59.12	2.3984G	-59.49	2.48478G	-58.79	24.09693G	-52.88	2
2452MHz	Pass	2.43198G	-15.77	-35.77	1.96219G	-59.28	2.39088G	-60.31	2.48702G	-57.40	24.50079G	-51.42	3
2452MHz	Pass	2.43198G	-15.77	-35.77	873.58M	-59.62	2.3906G	-58.87	2.49318G	-59.13	16.80226G	-53.19	4



802.11ax HEW40_Nss4,(MCS0)_4TX
2422MHz

CSE NdB

25.01.2019

Port 1
Port 2
Port 3
Port 4

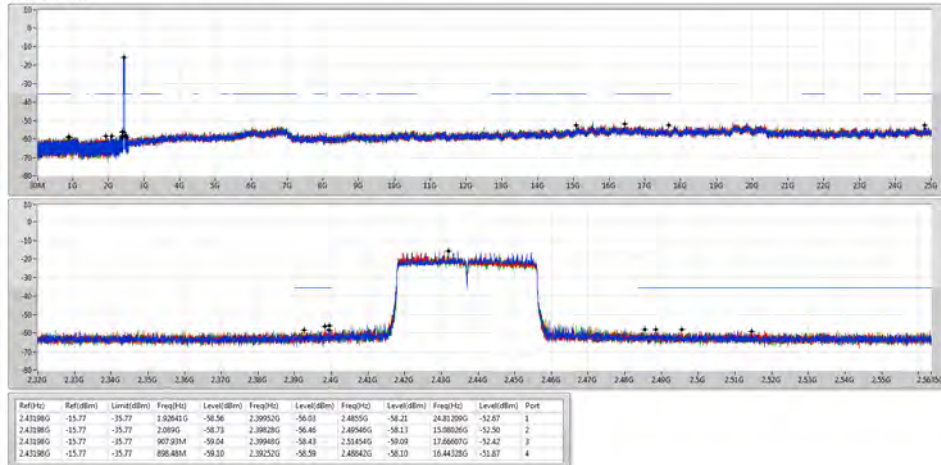


802.11ax HEW40_Nss4,(MCS0)_4TX
2437MHz

CSE NdB

25.01.2019

Port 1
Port 2
Port 3
Port 4

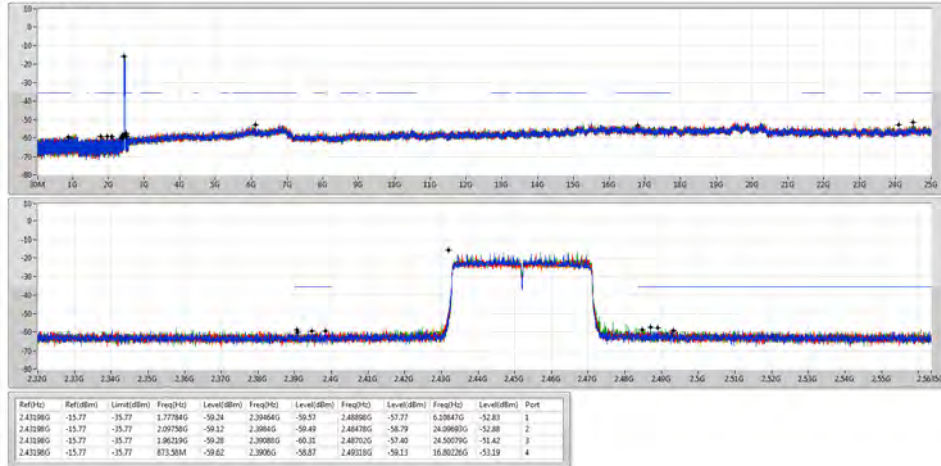


802.11ax HEW40_Nss4,(MCS0)_4TX
2452MHz

CSE NdB

25.01.2019

Port 1
Port 2
Port 3
Port 4





CSE Non-restricted Band Result

Appendix E.6

For Mode 2: (Ant. 7 Omni antenna / 4 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	14.72	-15.28	2.12671G	-43.56	2.39996G	-29.33	2.51648G	-43.08	15.04291G	-34.79	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43449G	9.18	-20.82	1.72857G	-42.48	2.39984G	-27.41	2.48556G	-43.44	24.80895G	-35.78	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4357G	7.40	-22.60	2.16253G	-43.06	2.39918G	-28.64	2.49224G	-43.17	17.69795G	-35.93	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43198G	2.66	-27.34	558.7M	-44.64	2.3948G	-31.19	2.52626G	-43.49	23.47993G	-35.93	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	14.72	-15.28	2.12671G	-43.56	2.39996G	-29.33	2.51648G	-43.08	15.04291G	-34.79	1
2437MHz	Pass	2.43749G	14.72	-15.28	904.04M	-43.97	2.39954G	-36.26	2.48558G	-39.26	14.99515G	-35.65	1
2462MHz	Pass	2.43749G	14.72	-15.28	1.90128G	-43.67	2.3905G	-42.07	2.48572G	-41.39	17.69233G	-34.71	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43449G	9.18	-20.82	1.72857G	-42.48	2.39984G	-27.41	2.48556G	-43.44	24.80895G	-35.78	1
2437MHz	Pass	2.43449G	9.18	-20.82	304.65M	-43.89	2.3983G	-32.30	2.48476G	-37.97	17.69795G	-33.20	1
2462MHz	Pass	2.43449G	9.18	-20.82	2.06729G	-43.83	2.39902G	-43.76	2.48376G	-37.27	17.67266G	-35.67	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	7.40	-22.60	2.16253G	-43.06	2.39918G	-28.64	2.49224G	-43.17	17.69795G	-35.93	1
2437MHz	Pass	2.4357G	7.40	-22.60	1.74372G	-43.51	2.3988G	-33.91	2.48848G	-37.54	15.05134G	-36.45	1
2462MHz	Pass	2.4357G	7.40	-22.60	866.76M	-43.88	2.39026G	-43.43	2.48364G	-38.03	24.48585G	-35.11	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	2.66	-27.34	558.7M	-44.64	2.3948G	-31.19	2.52626G	-43.49	23.47993G	-35.93	1
2437MHz	Pass	2.43198G	2.66	-27.34	851.25M	-43.57	2.39952G	-32.95	2.4873G	-39.98	24.90184G	-35.46	1
2452MHz	Pass	2.43198G	2.66	-27.34	1.84483G	-43.24	2.39576G	-42.86	2.48414G	-35.20	13.8154G	-35.64	1

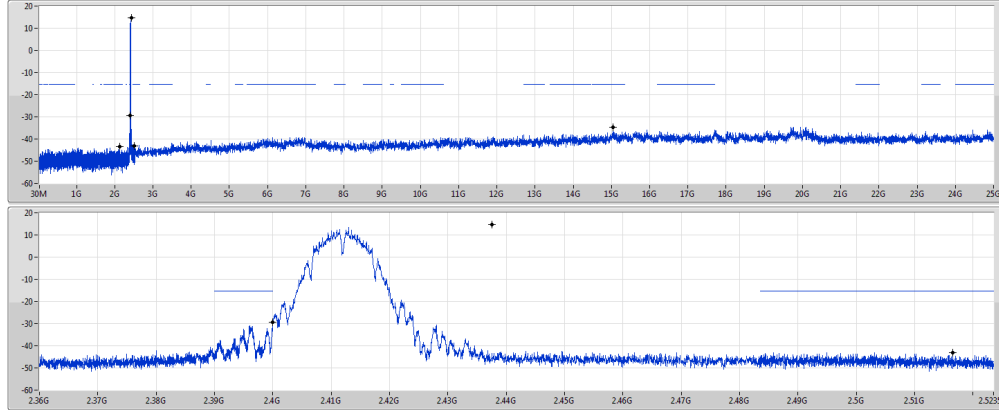
802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSE NdB

31.01.2019

Port 1



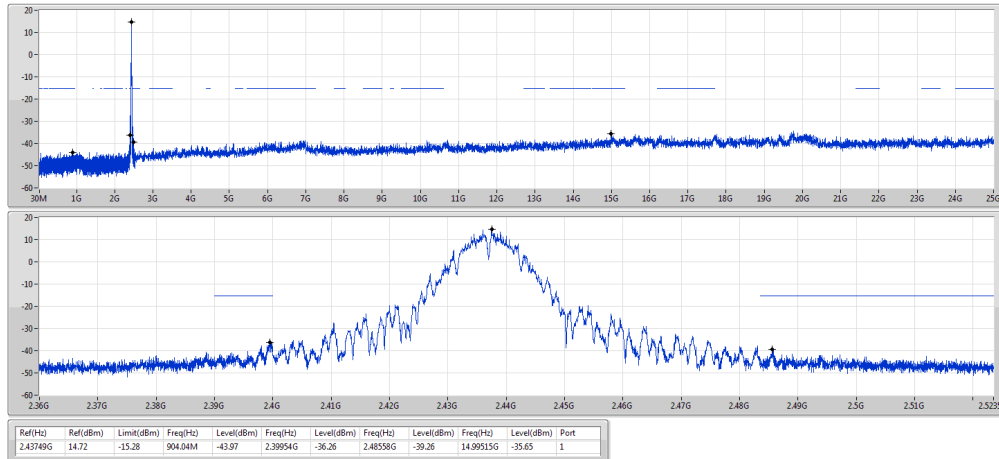
802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSE NdB

31.01.2019

Port 1



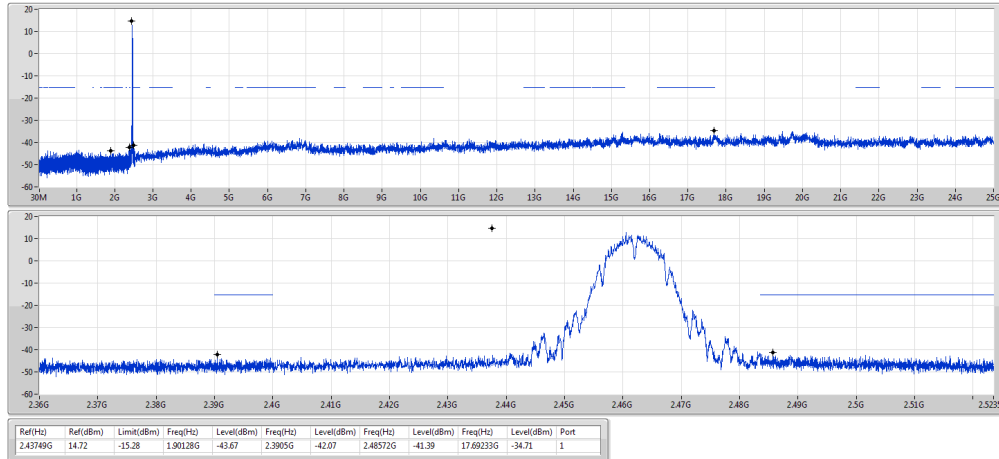
802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSE NdB

31.01.2019

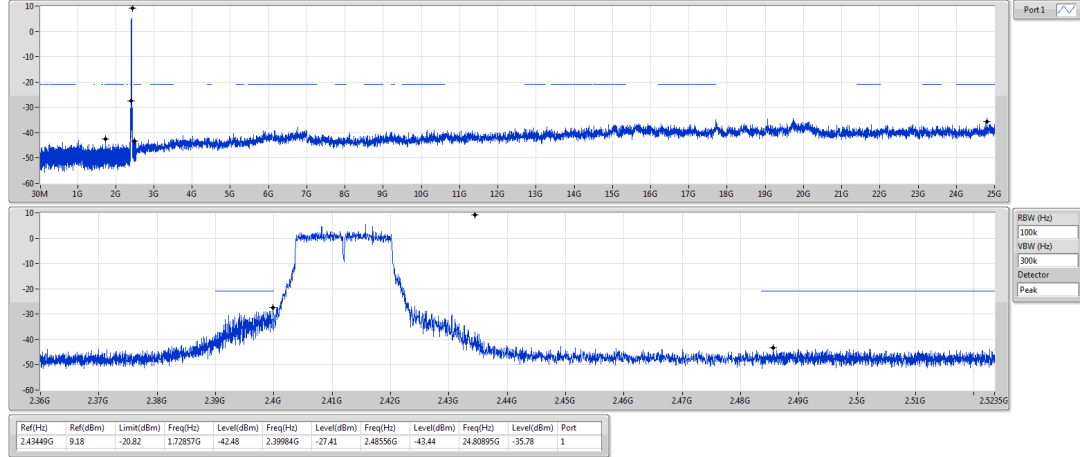
Port 1



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

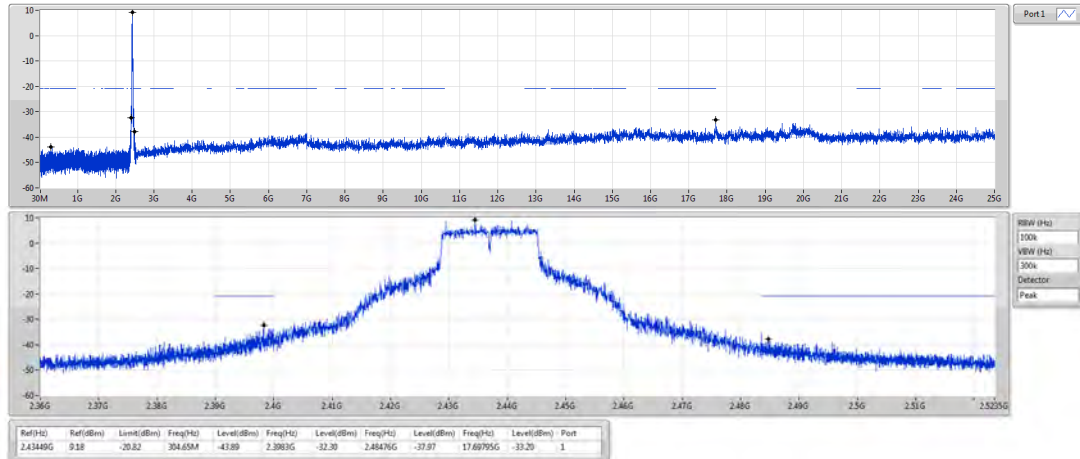
2412MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

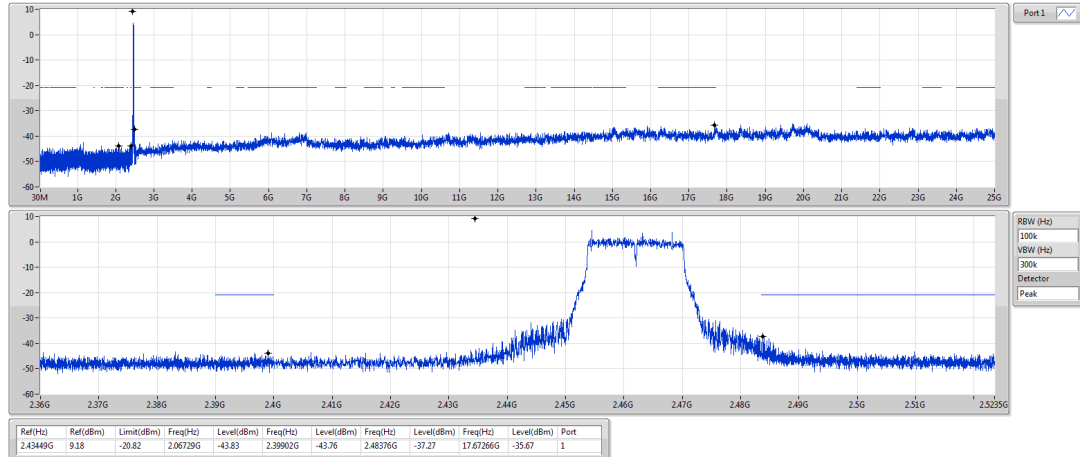
2437MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2462MHz

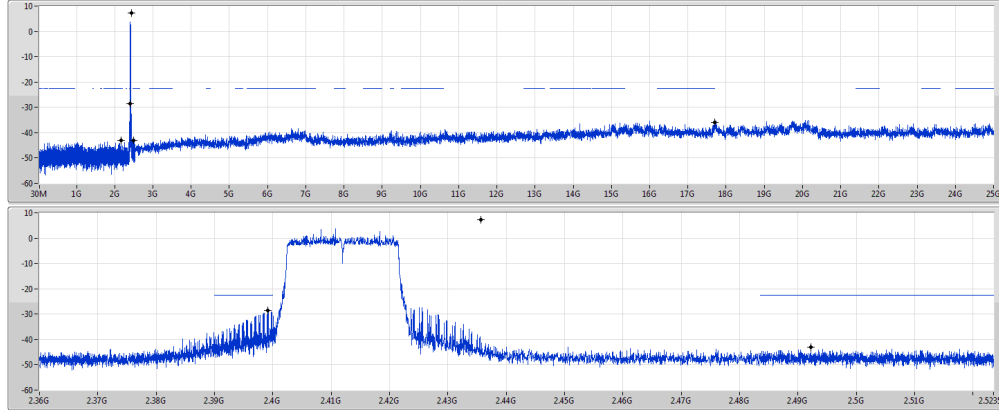


802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

2412MHz

31.01.2019

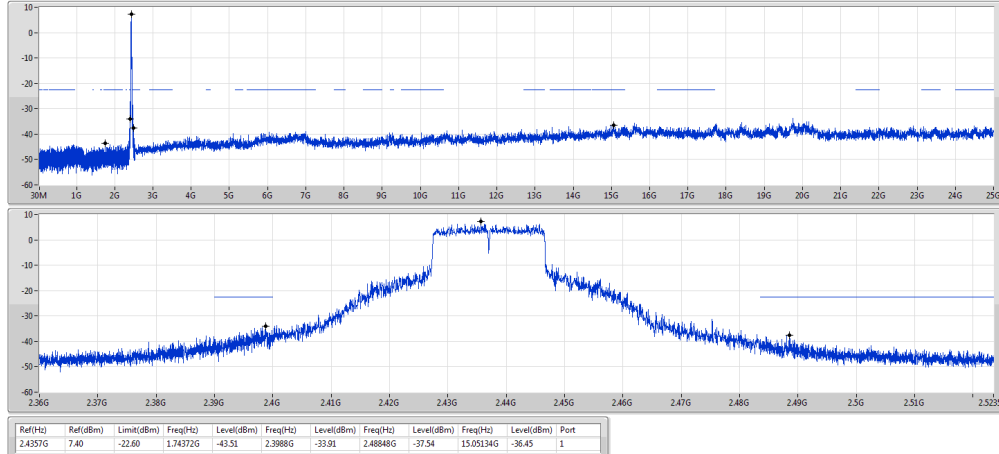


802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

2437MHz

31.01.2019

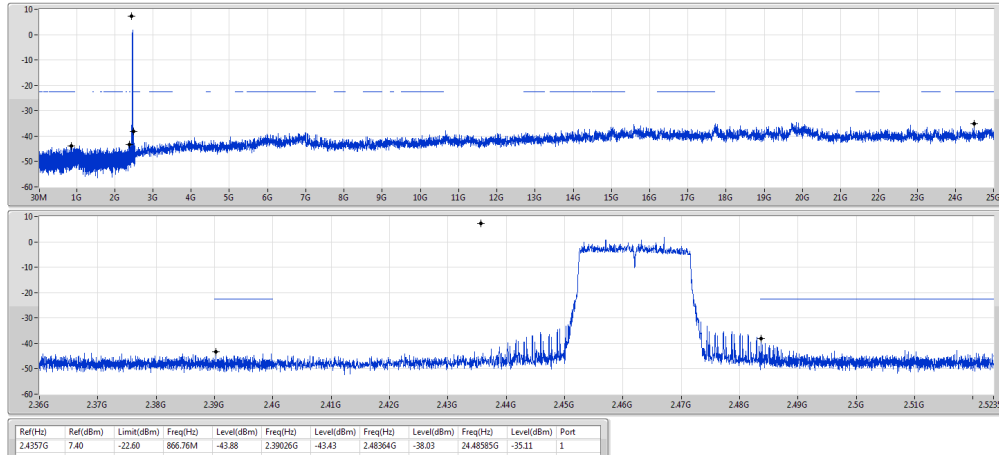


802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

2462MHz

31.01.2019

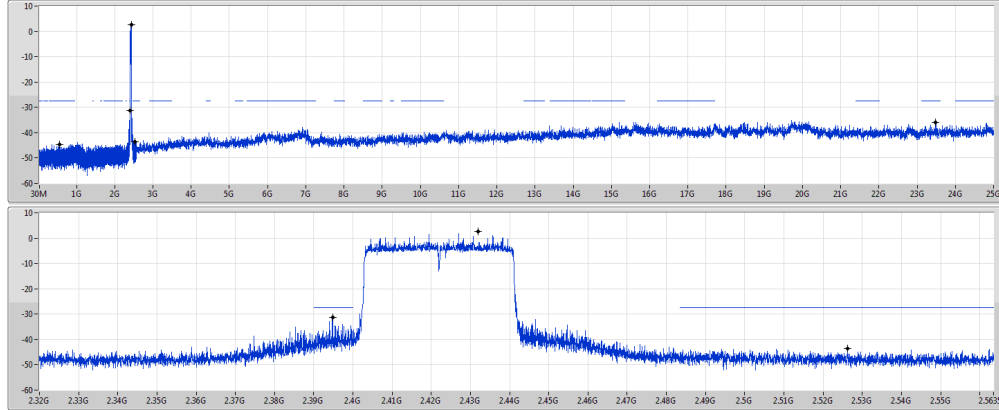


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

31.01.2019

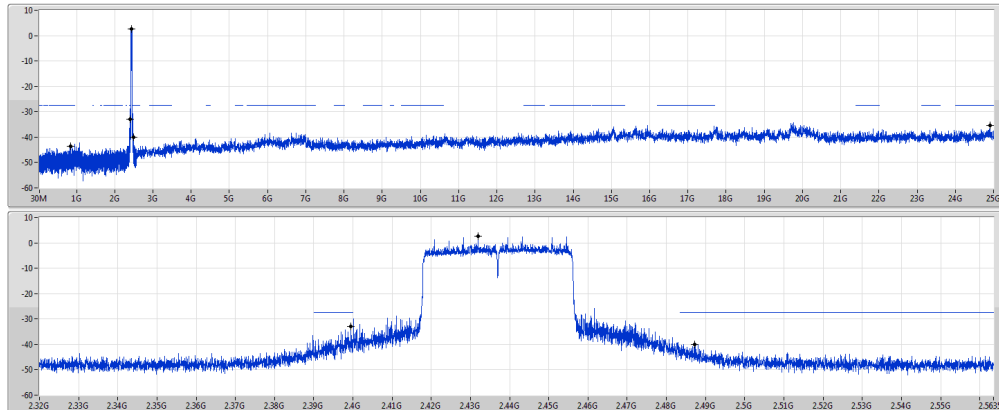


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2437MHz

31.01.2019

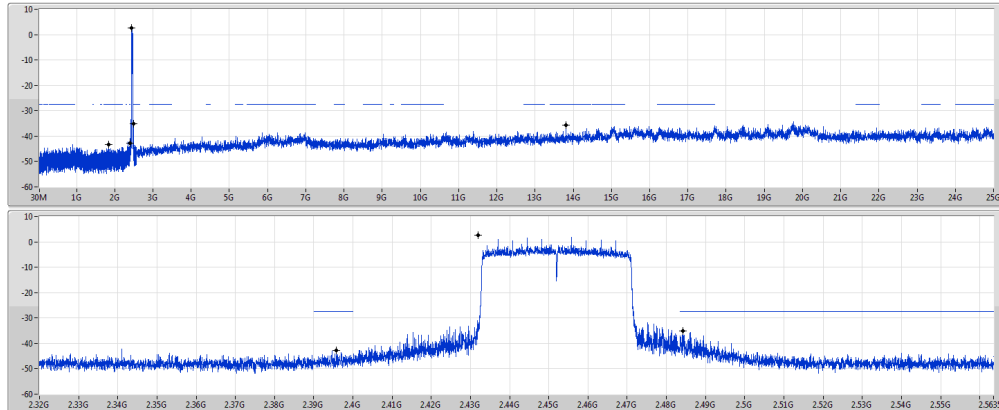


802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz

31.01.2019





CSE Non-restricted Band Result

Appendix E.7

For Non-beamforming / 2T2S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.43198G	8.74	-21.26	857.15M	-43.57	2.39898G	-33.19	2.49236G	-43.40	16.29878G	-35.68	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.42196G	2.48	-27.52	2.15884G	-43.35	2.39952G	-36.12	2.4841G	-41.87	14.55861G	-35.31	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	8.74	-21.26	2.187G	-43.36	2.39892G	-36.71	2.50104G	-43.00	15.05977G	-35.76	1
2412MHz	Pass	2.43198G	8.74	-21.26	857.15M	-43.57	2.39898G	-33.19	2.49236G	-43.40	16.29878G	-35.68	2
2437MHz	Pass	2.43198G	8.74	-21.26	1.97584G	-42.83	2.39842G	-36.16	2.48608G	-40.65	16.44488G	-35.86	1
2437MHz	Pass	2.43198G	8.74	-21.26	738.9M	-43.14	2.39882G	-33.92	2.48448G	-39.81	16.2454G	-35.93	2
2462MHz	Pass	2.43198G	8.74	-21.26	2.19253G	-43.92	2.39492G	-43.30	2.50782G	-42.25	17.69795G	-35.73	1
2462MHz	Pass	2.43198G	8.74	-21.26	2.30787G	-43.51	2.39674G	-43.44	2.48388G	-39.05	24.83705G	-35.97	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42196G	2.48	-27.52	1.90351G	-43.72	2.39628G	-36.87	2.48682G	-42.53	17.69972G	-35.73	1
2422MHz	Pass	2.42196G	2.48	-27.52	956.59M	-43.21	2.3972G	-35.56	2.48578G	-43.40	24.88221G	-36.29	2
2437MHz	Pass	2.42196G	2.48	-27.52	387.24M	-43.16	2.39952G	-36.91	2.4851G	-40.94	16.67045G	-35.78	1
2437MHz	Pass	2.42196G	2.48	-27.52	2.15884G	-43.35	2.39952G	-36.12	2.4841G	-41.87	14.55861G	-35.31	2
2452MHz	Pass	2.42196G	2.48	-27.52	212.63M	-43.07	2.39172G	-42.99	2.48822G	-37.92	23.43505G	-35.90	1
2452MHz	Pass	2.42196G	2.48	-27.52	471.97M	-43.92	2.39348G	-43.19	2.48762G	-36.76	16.94249G	-35.49	2