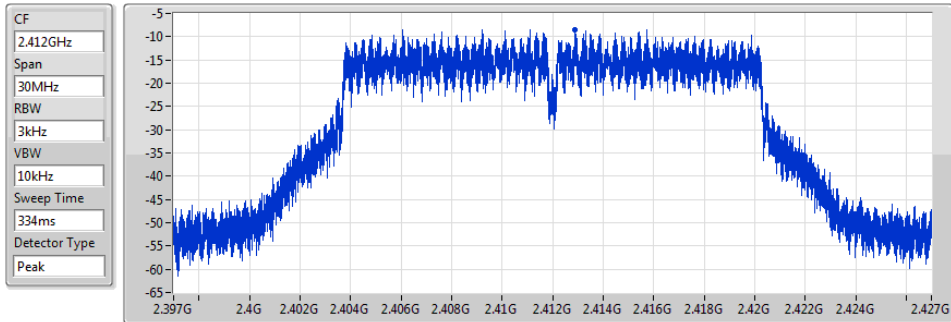


802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

31/01/2019



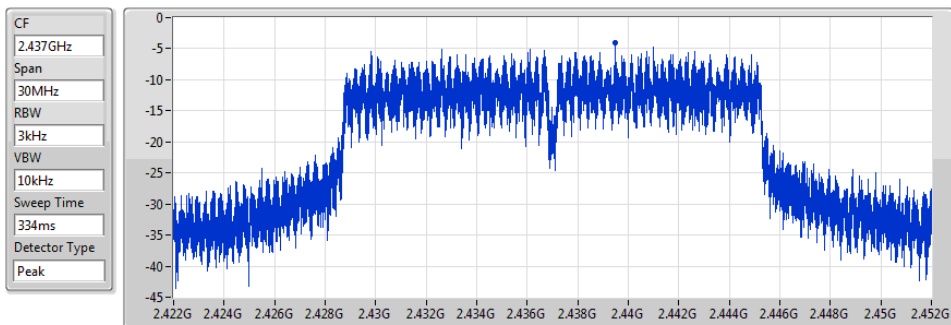
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.46	-8.46	-8.46

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

31/01/2019



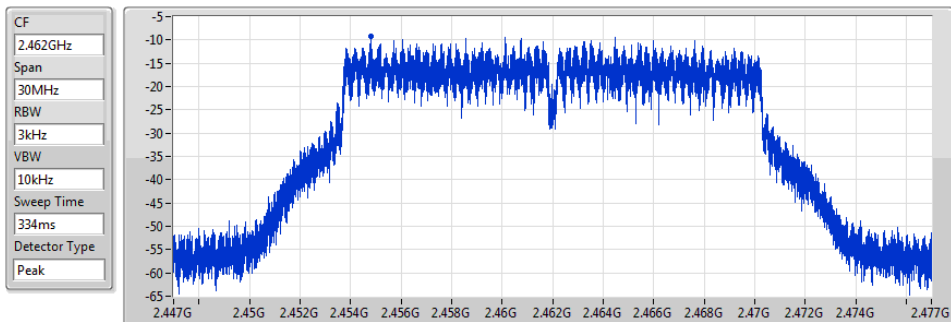
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-4.02	-4.02	-4.02

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

31/01/2019



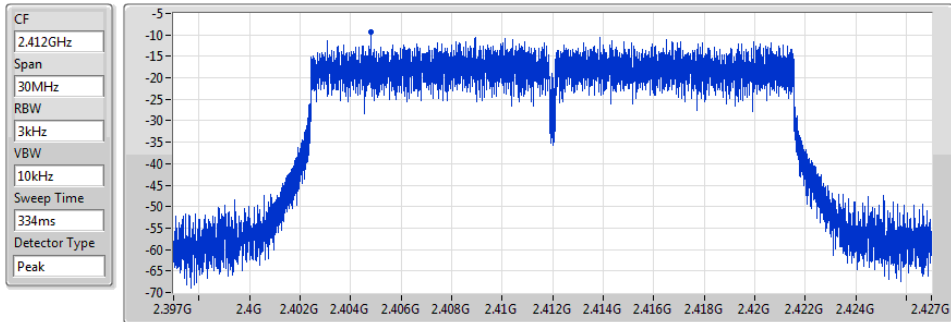
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-9.26	-9.26	-9.26

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

31/01/2019



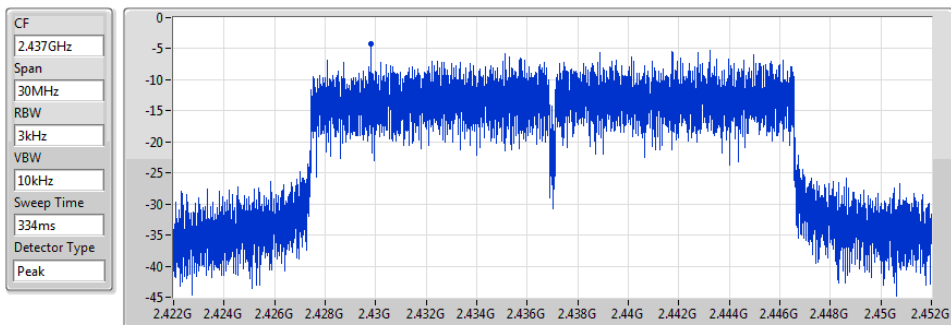
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.26	-9.26	-9.26

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

31/01/2019



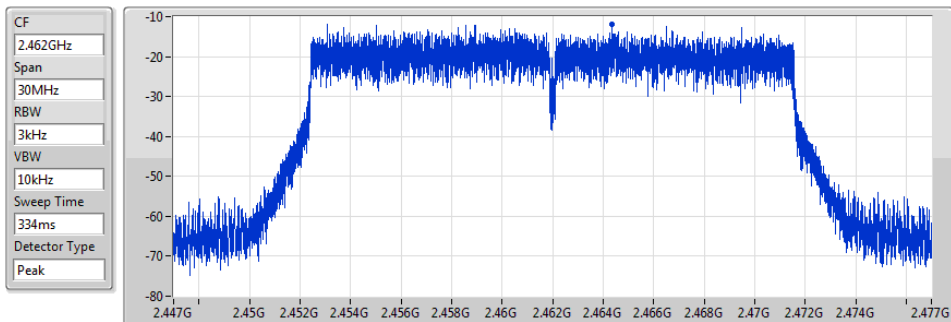
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.27	-4.27	-4.27

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

31/01/2019



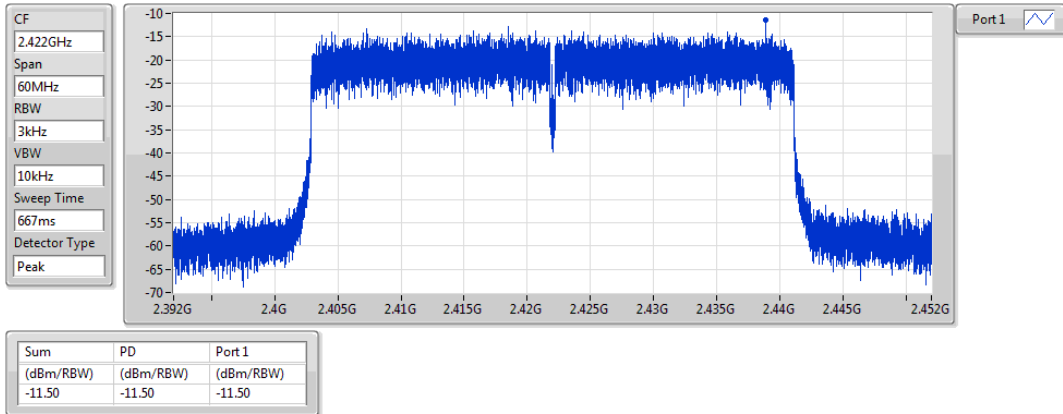
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.78	-11.78	-11.78

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

31/01/2019

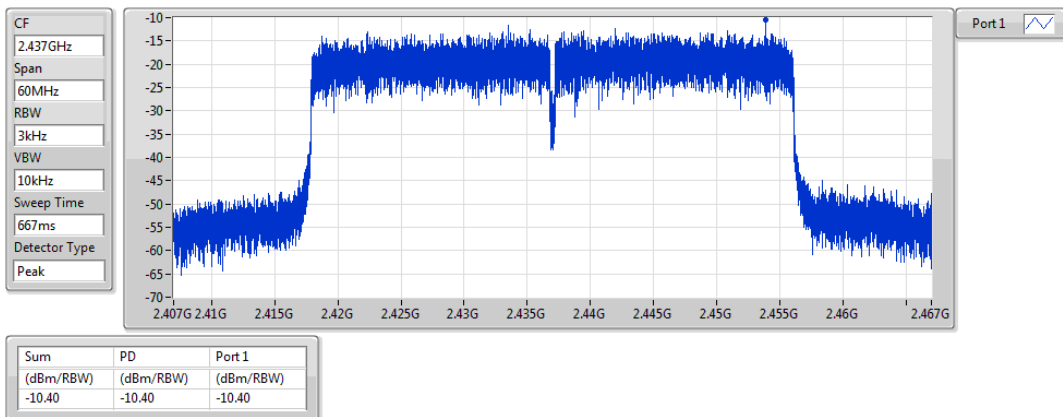


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

31/01/2019

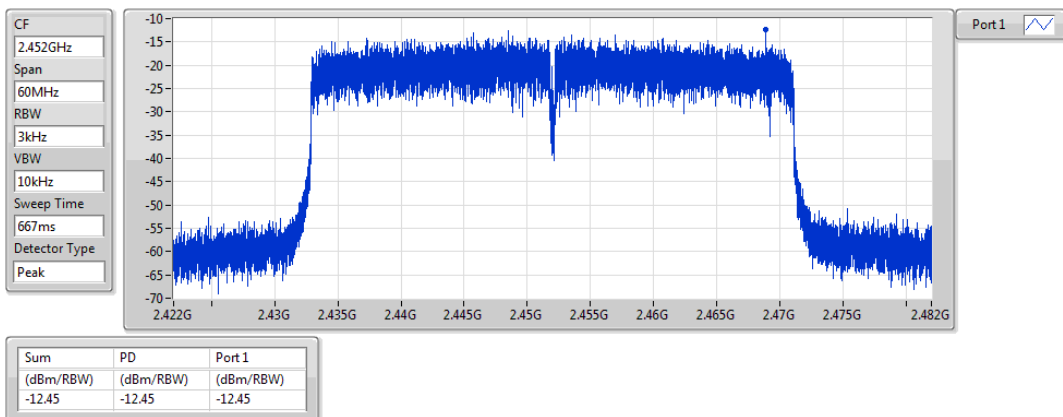


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

31/01/2019





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;

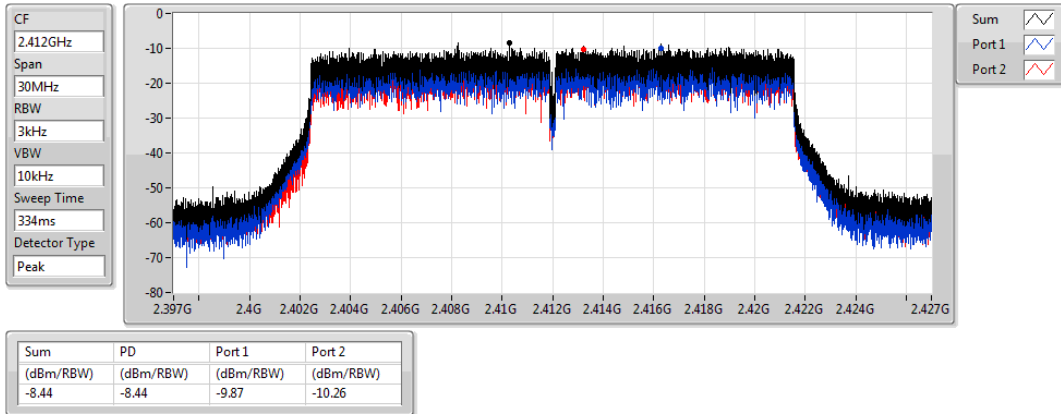
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

31/01/2019

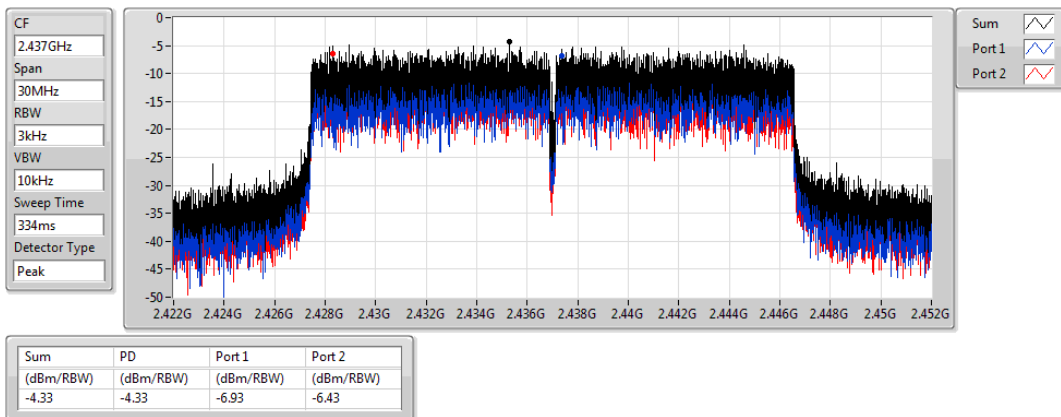


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

31/01/2019

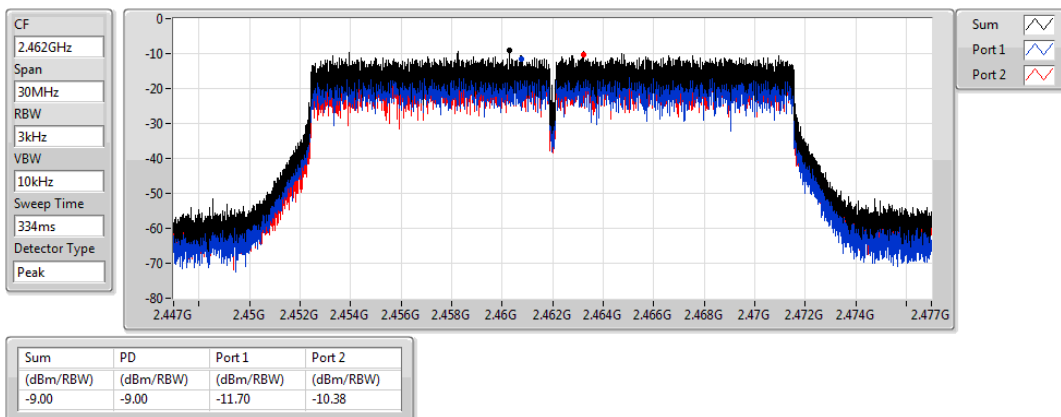


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

31/01/2019

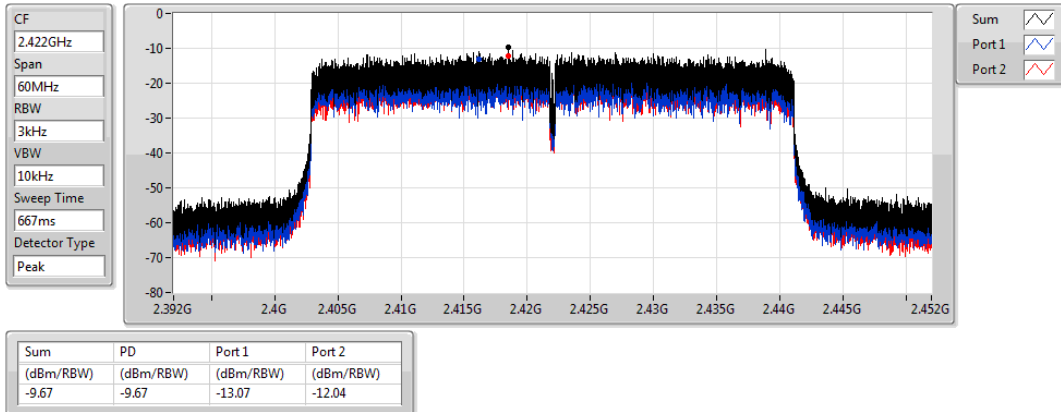


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

31/01/2019

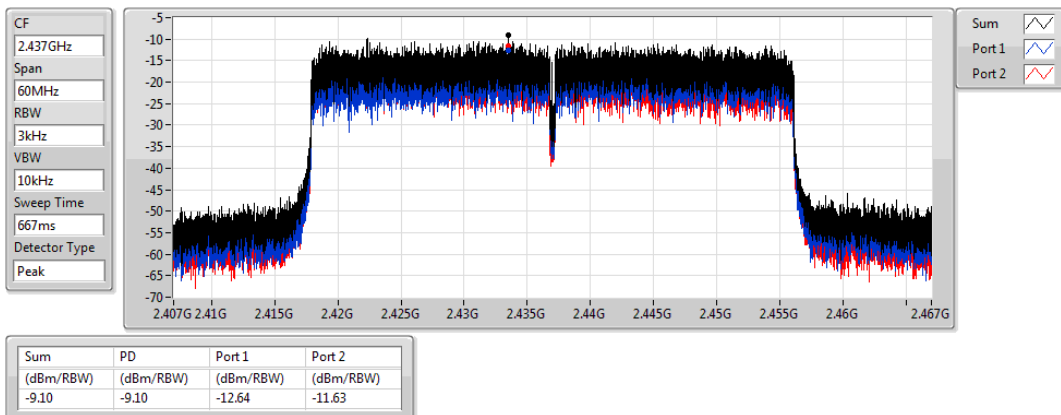


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

31/01/2019

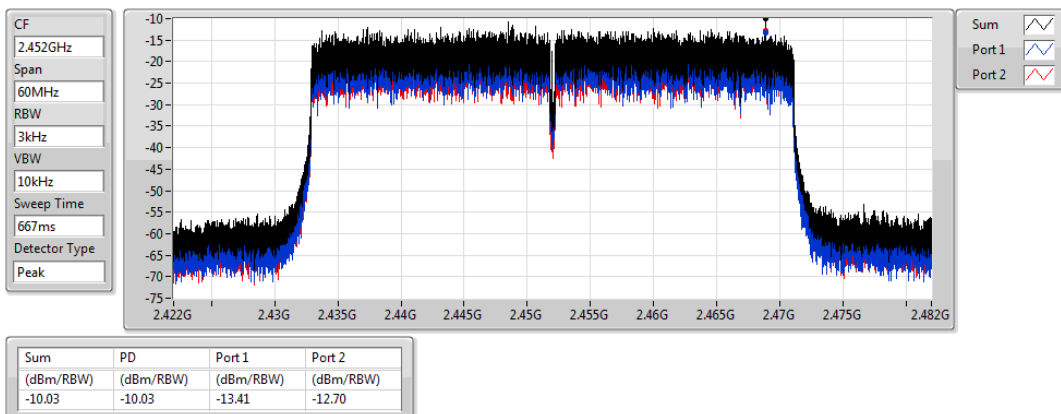


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

31/01/2019



**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;

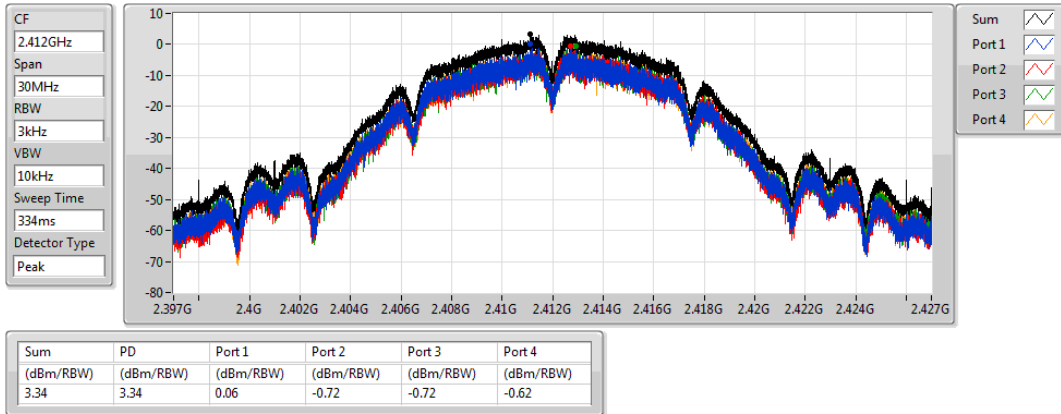
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

31/01/2019

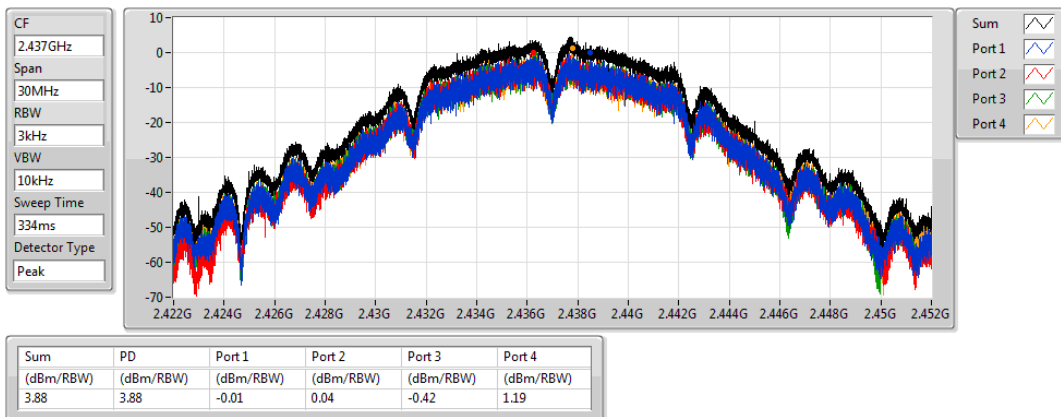


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

31/01/2019

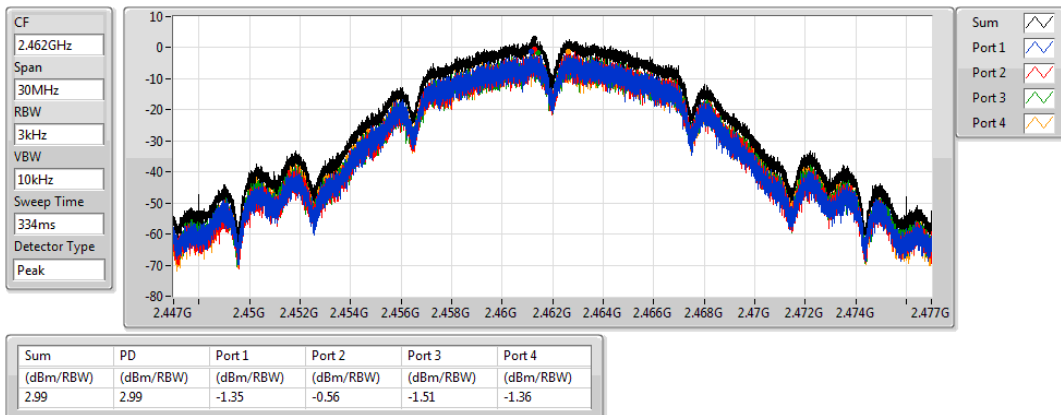


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

31/01/2019

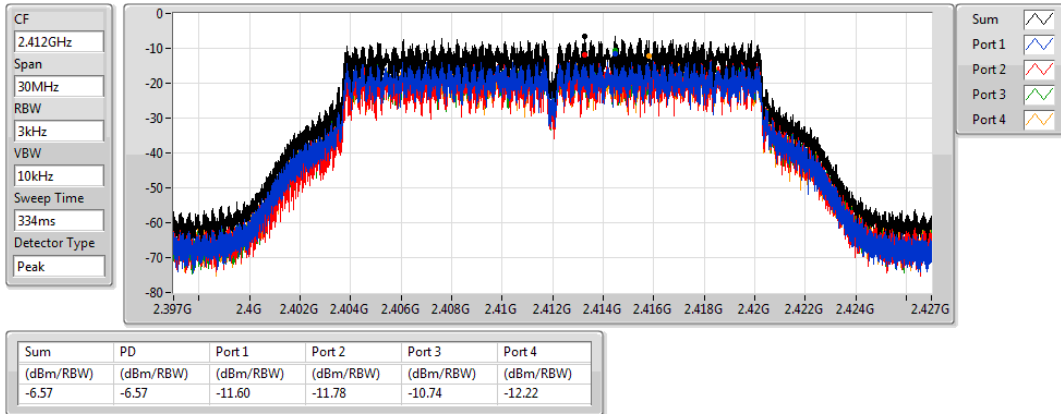


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

31/01/2019

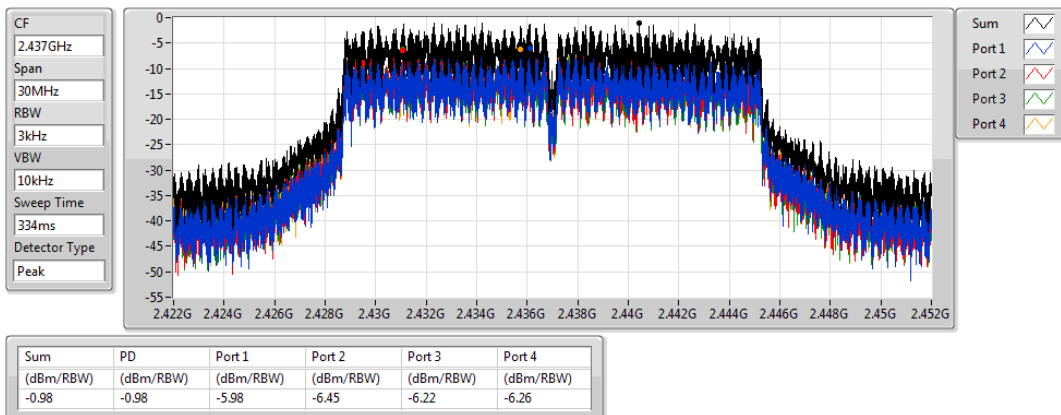


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

31/01/2019

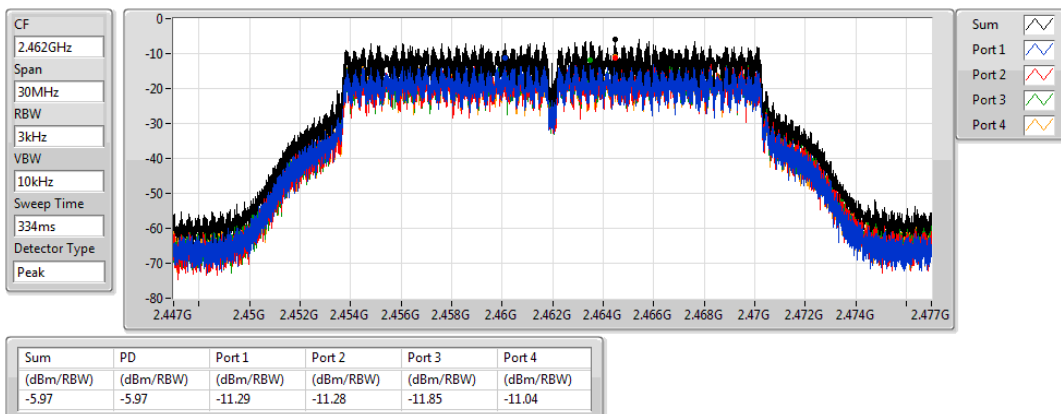


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

31/01/2019

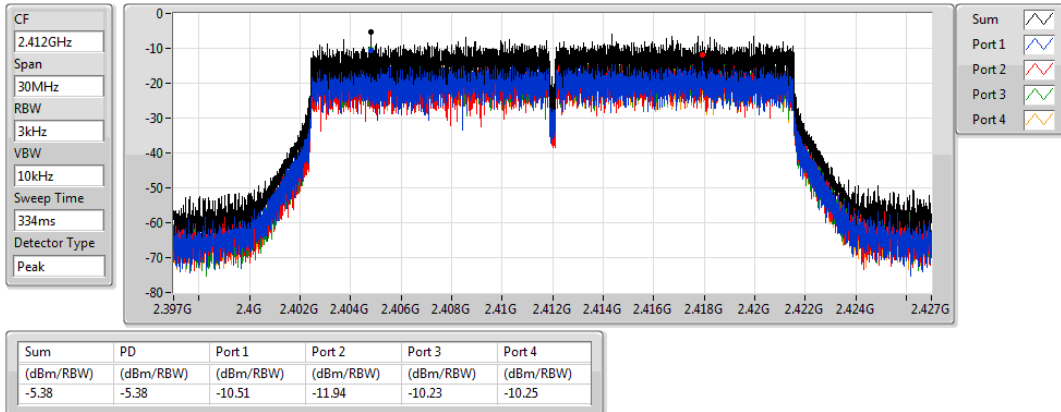


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

31/01/2019

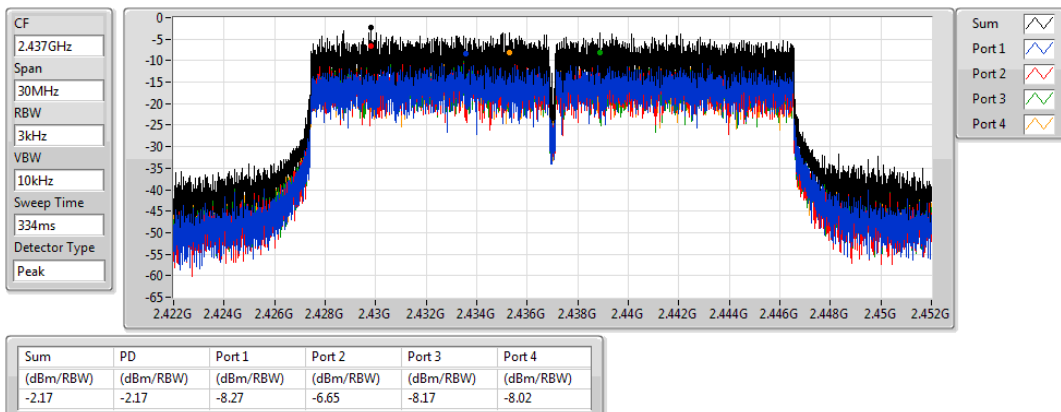


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

31/01/2019

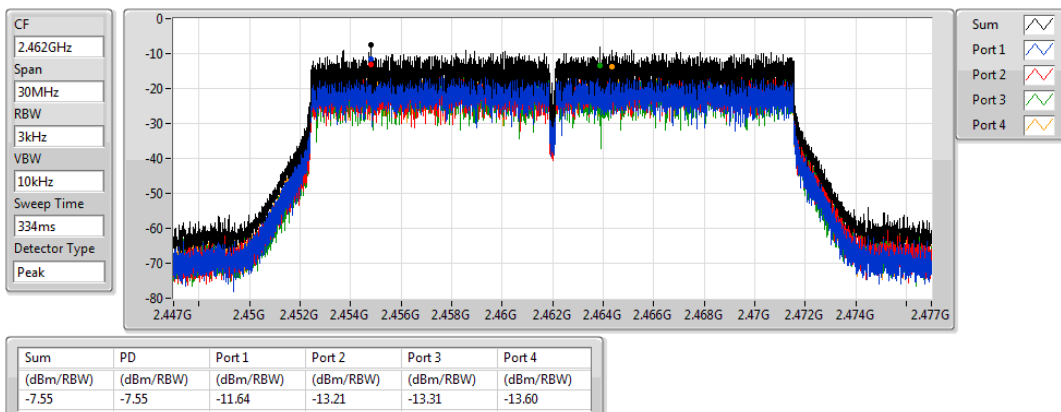


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

31/01/2019

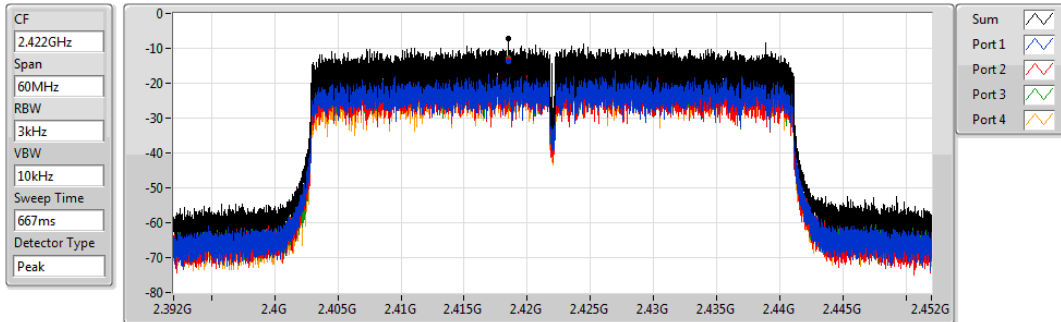


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

31/01/2019



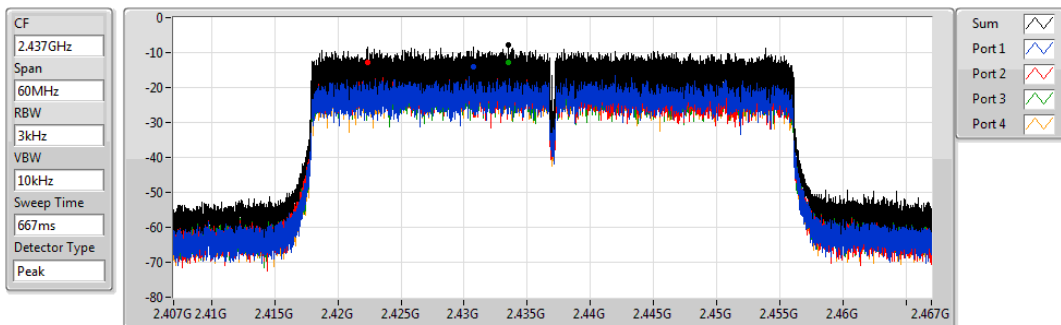
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.24	-7.24	-13.65	-13.12	-12.96	-13.34

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

31/01/2019



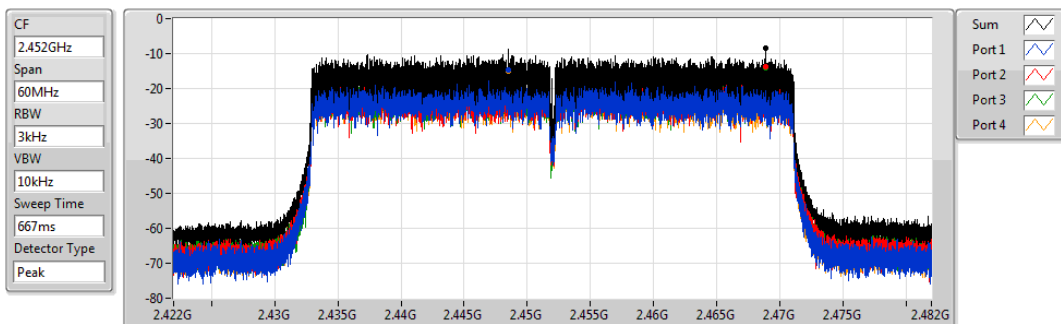
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-14.14	-12.95	-12.72	-12.91

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;

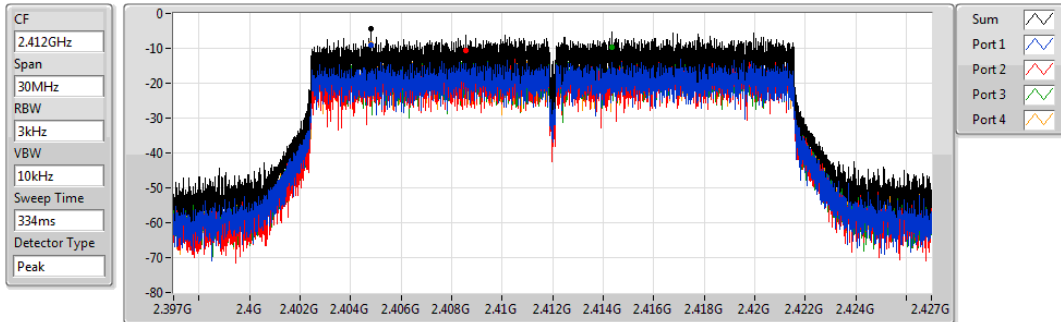
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

01/02/2019



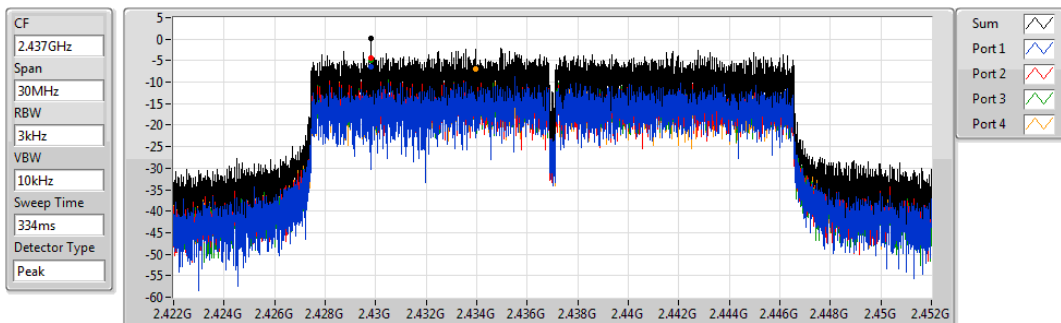
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.48	-4.48	-9.10	-10.77	-9.64	-8.76

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/02/2019



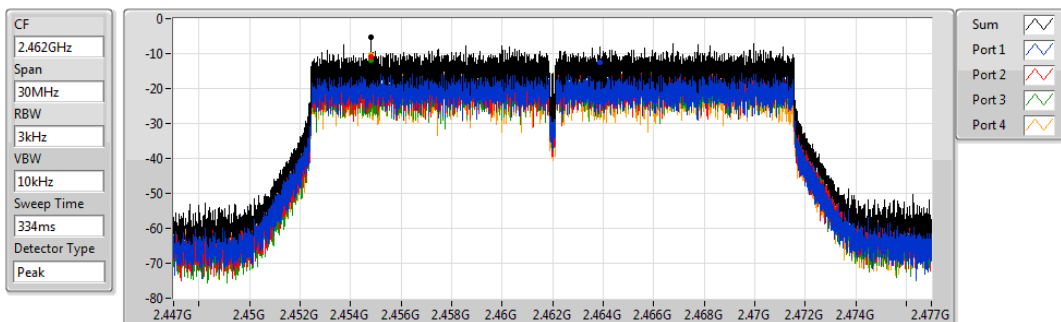
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.30	0.30	-6.44	-4.41	-4.85	-7.00

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

01/02/2019



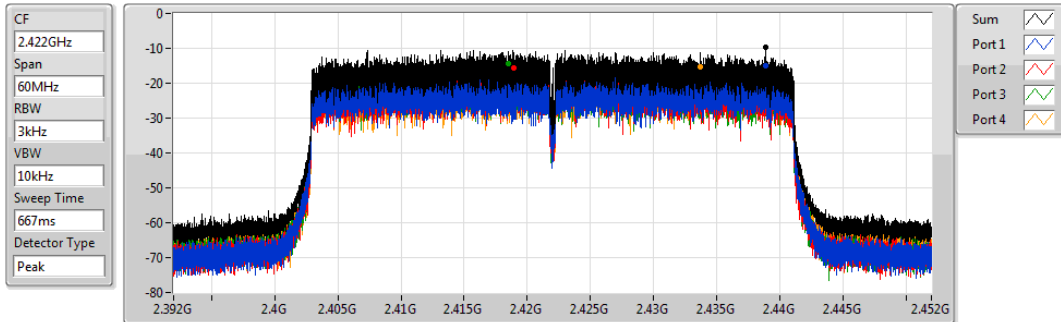
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.33	-5.33	-12.35	-10.99	-11.88	-10.36

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

01/02/2019



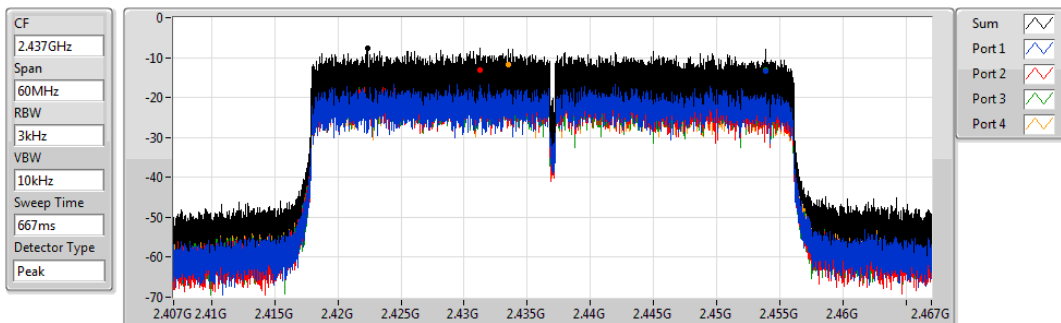
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.77	-9.77	-15.08	-15.66	-14.25	-15.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

01/02/2019



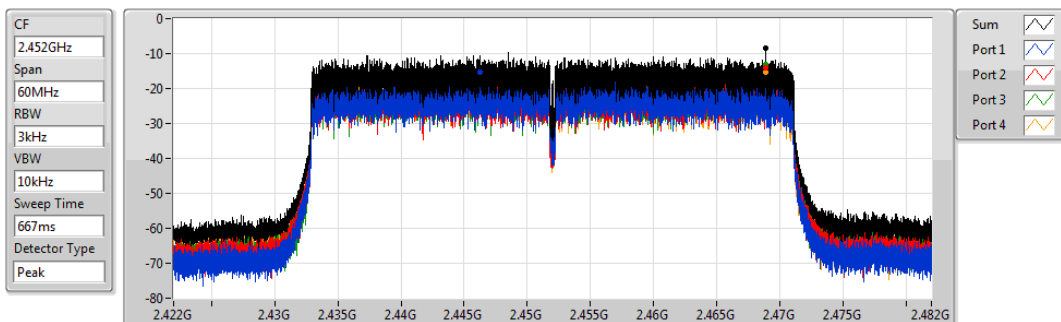
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.59	-7.59	-13.28	-13.10	-13.04	-11.84

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;

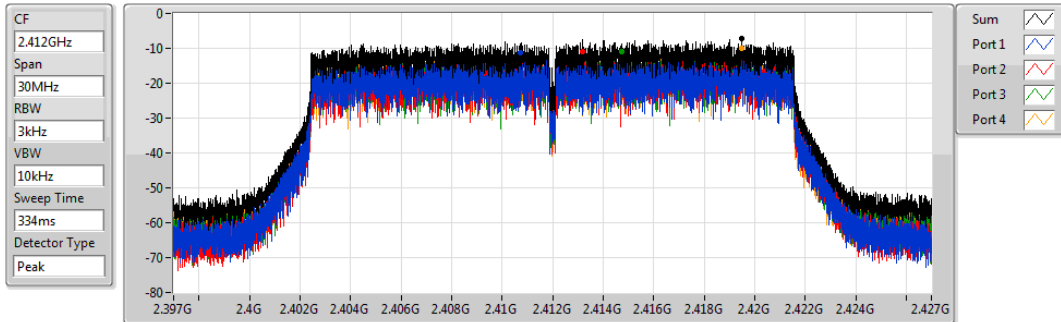
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2412MHz

01/02/2019



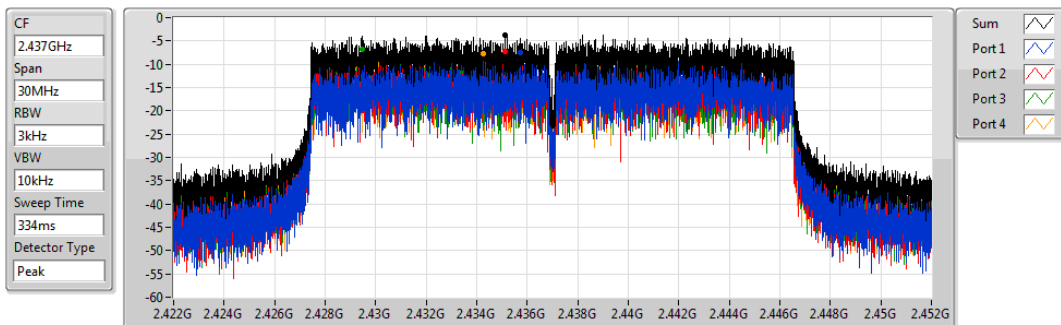
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.31	-7.31	-11.29	-10.91	-11.06	-9.89

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2437MHz

01/02/2019



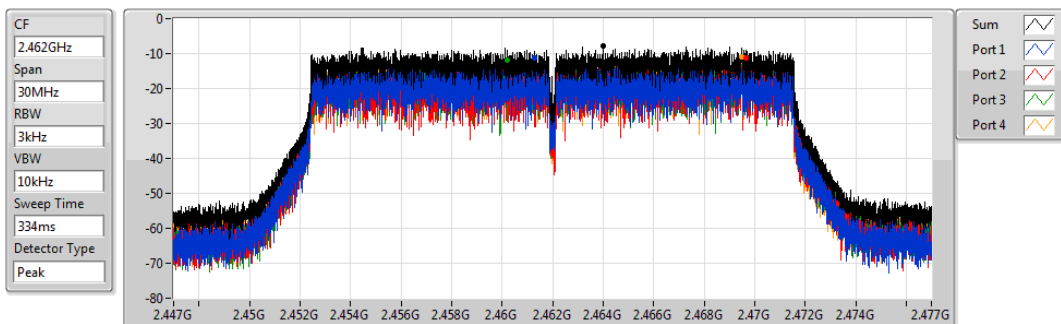
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.65	-3.65	-7.61	-7.23	-6.88	-7.65

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2462MHz

01/02/2019



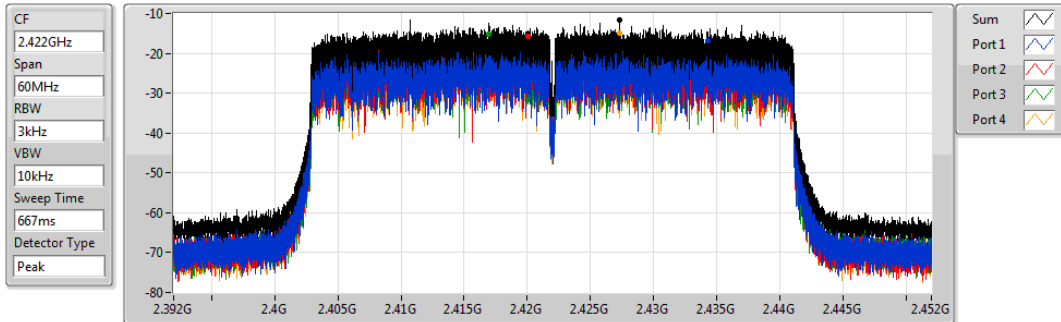
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.78	-7.78	-11.39	-11.17	-11.92	-10.89

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2422MHz

01/02/2019



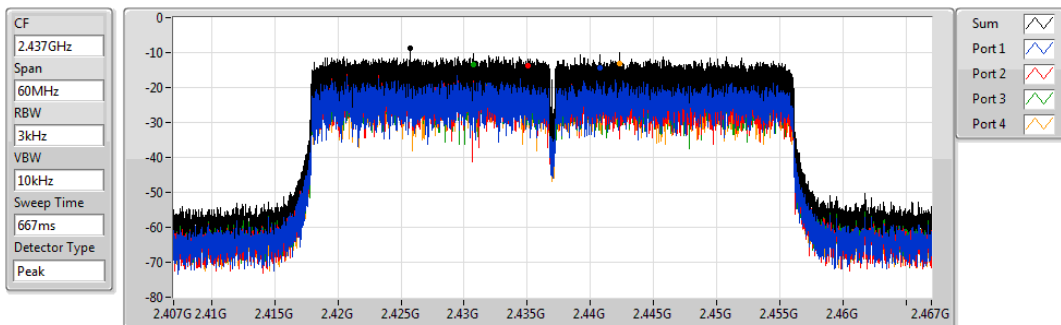
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
-11.76	-11.76	-16.81	-15.87	-15.20	-14.88

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2437MHz

01/02/2019



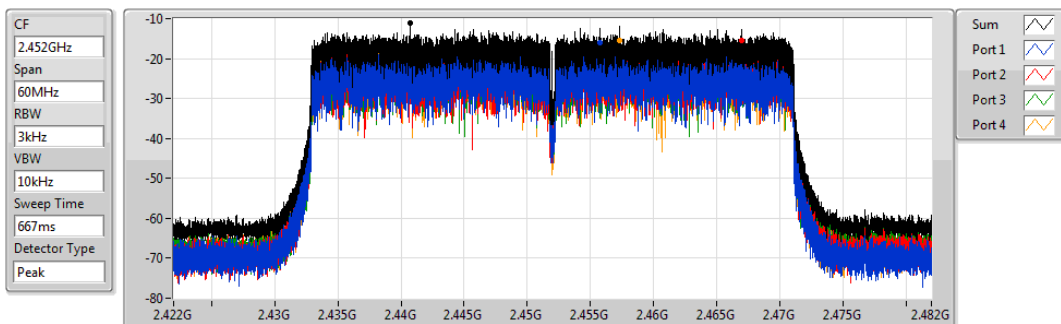
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
-8.67	-8.67	-14.48	-13.86	-13.40	-13.10

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;

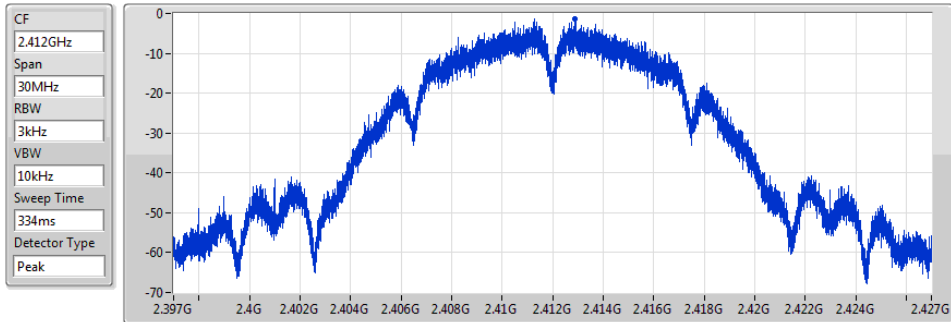
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

16/02/2019



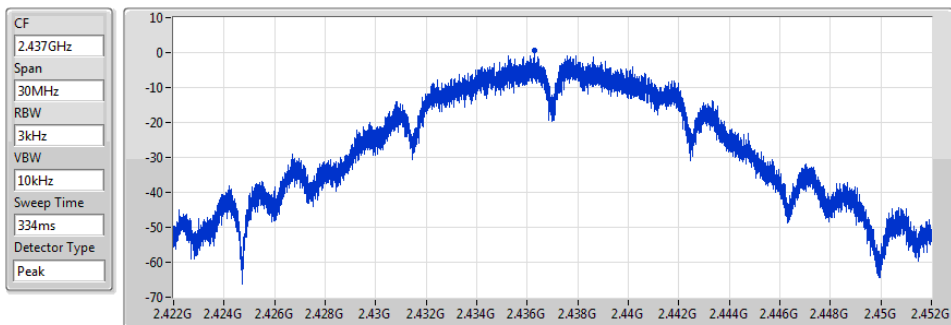
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.27	-1.27	-1.27

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

16/02/2019



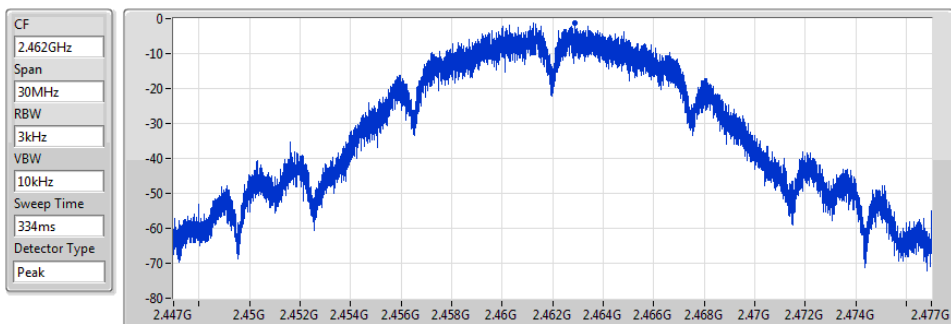
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	0.50

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

25/01/2019



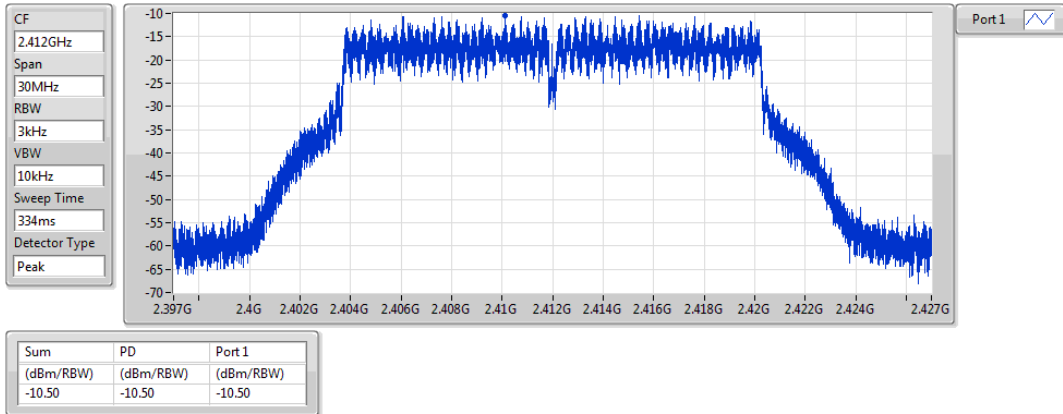
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.16	-1.16	-1.16

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

16/02/2019

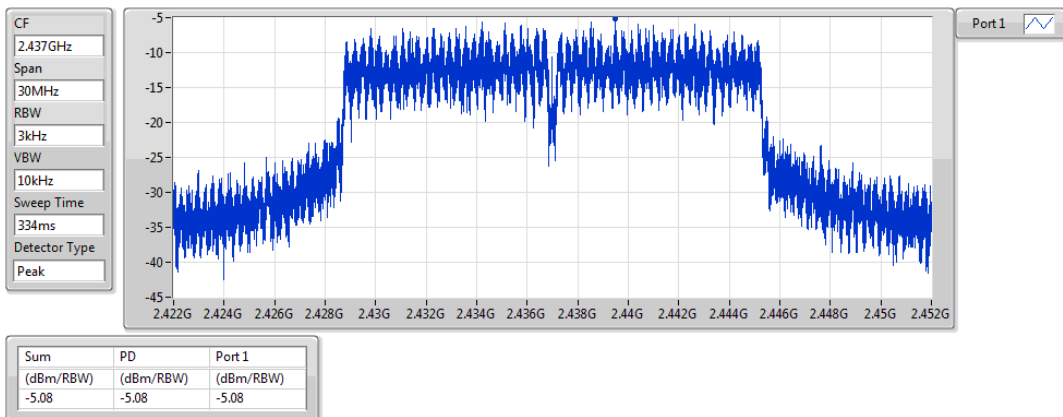


802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

16/02/2019

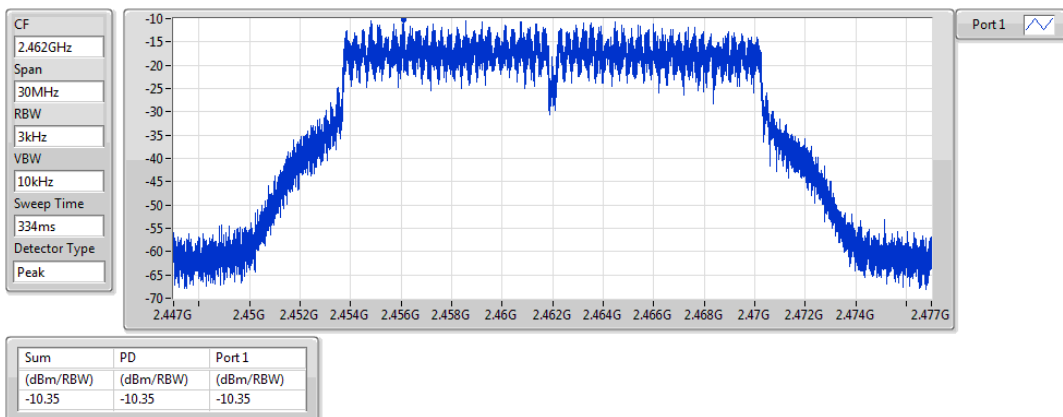


802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

25/01/2019

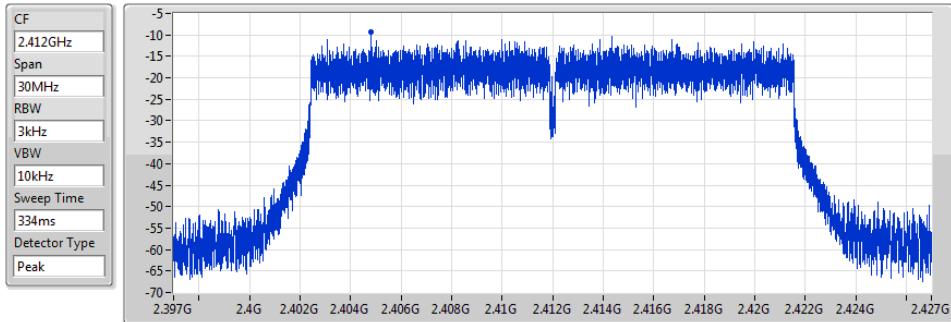


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

16/02/2019



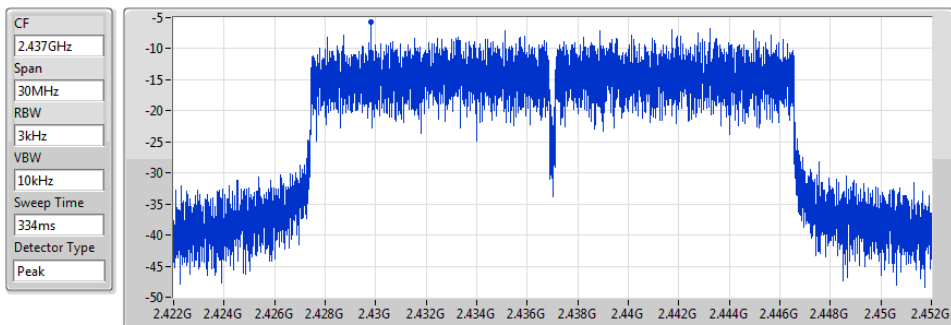
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.36	-9.36	-9.36

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

16/02/2019



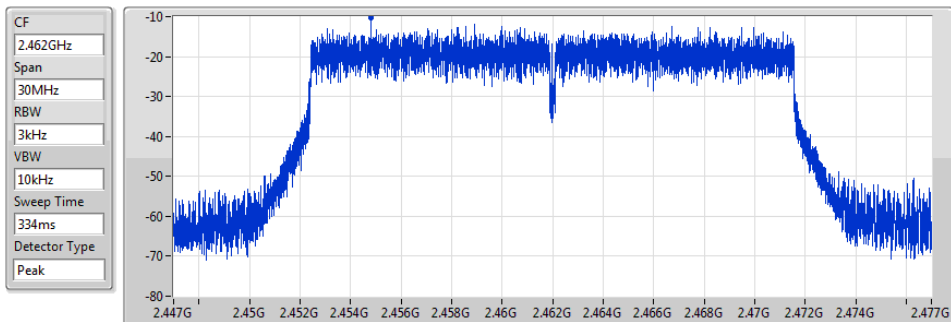
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.71	-5.71	-5.71

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

16/02/2019



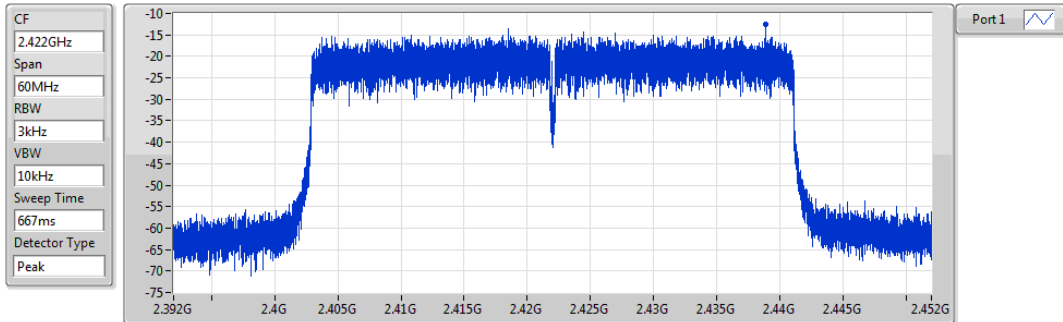
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.30	-10.30	-10.30

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

16/02/2019

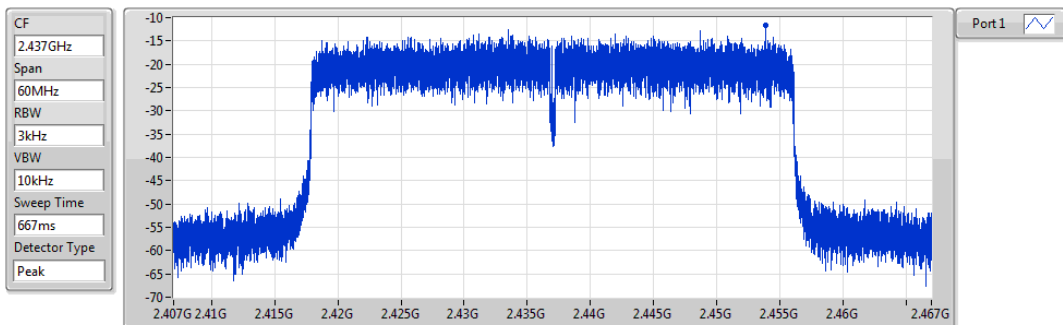


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

16/02/2019

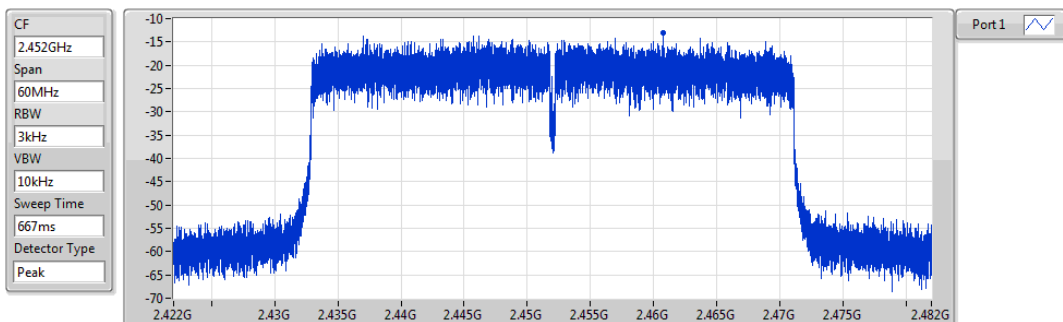


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

16/02/2019





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;

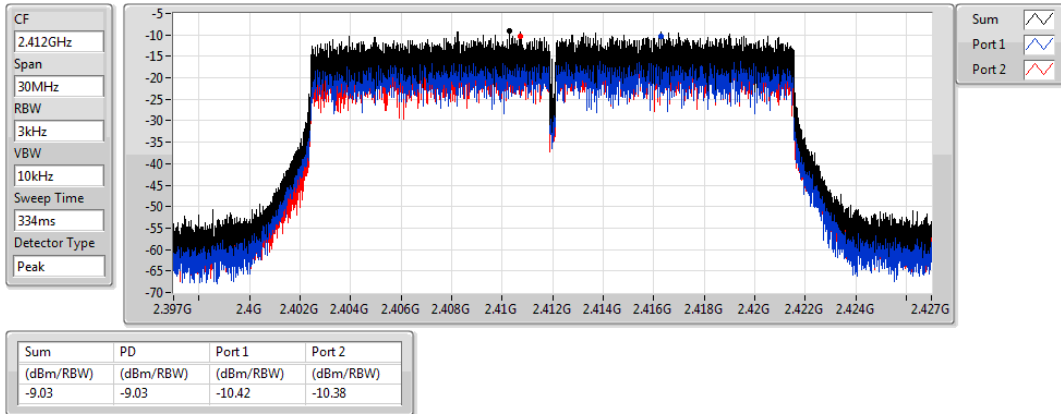
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

16/02/2019

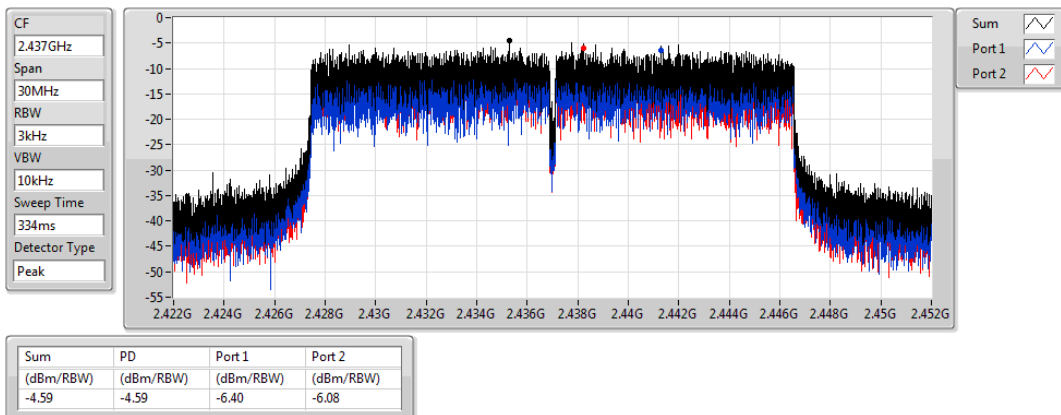


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

25/01/2019

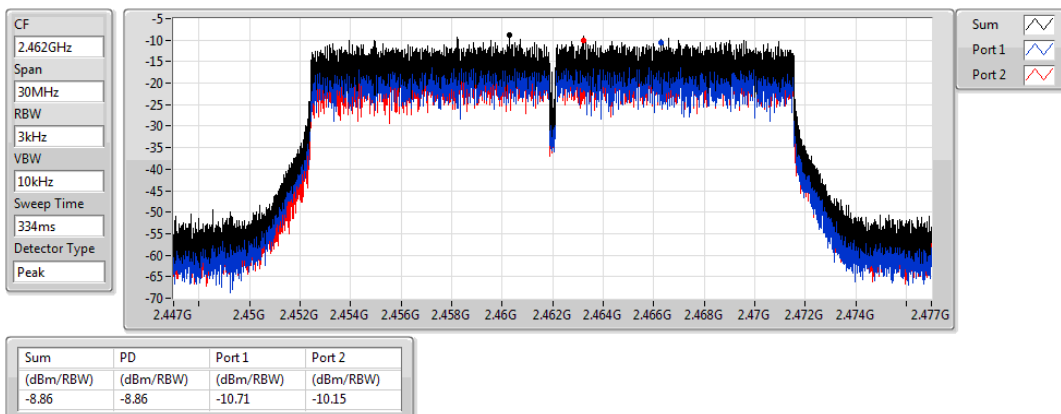


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

16/02/2019

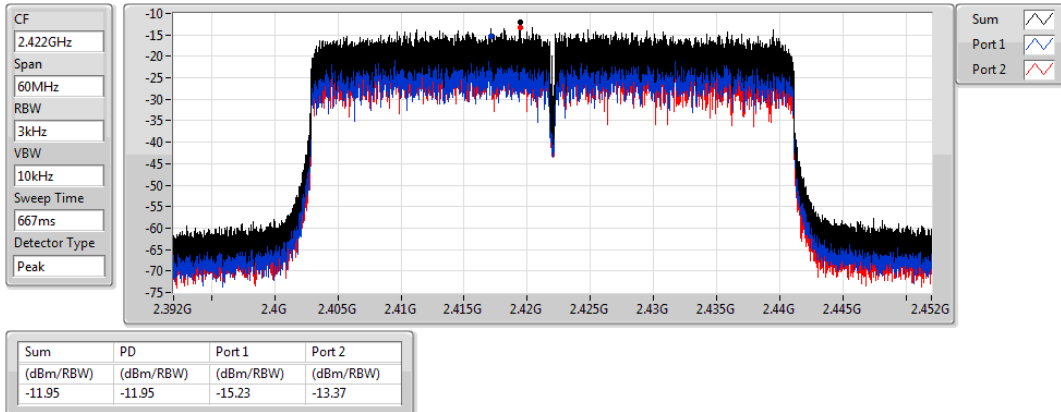


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

16/02/2019

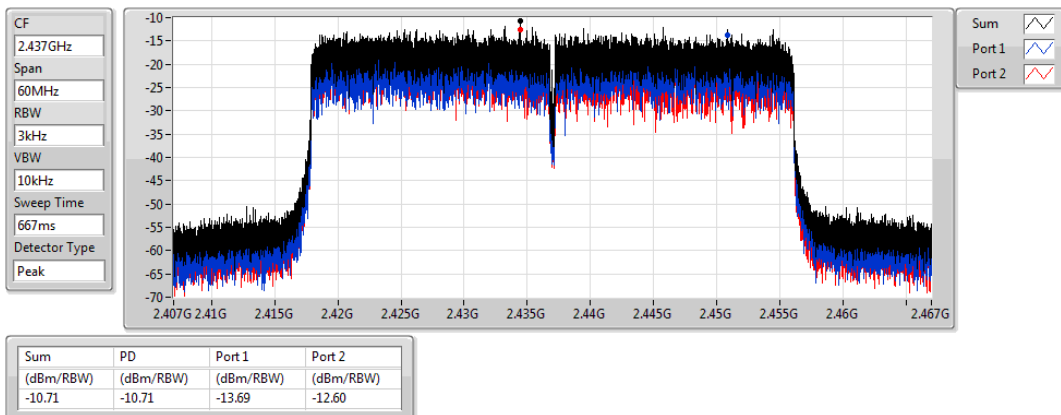


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

16/02/2019

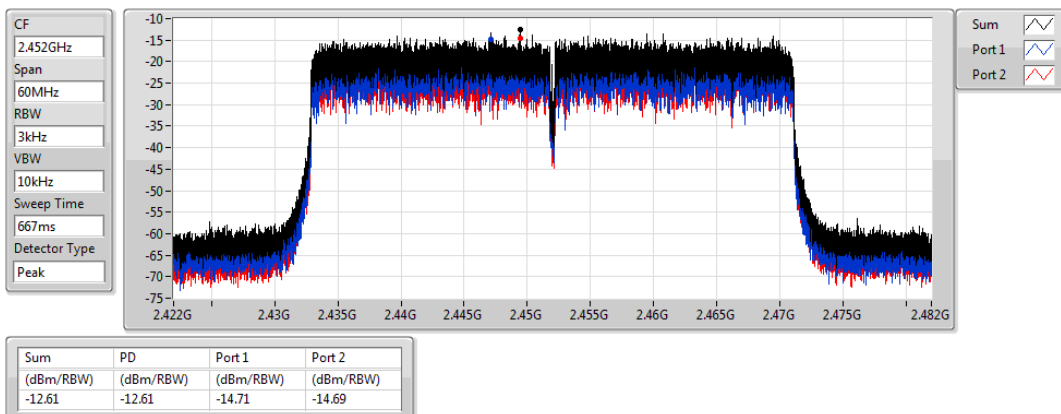


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

16/02/2019





PSD Result

Appendix D.13

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;

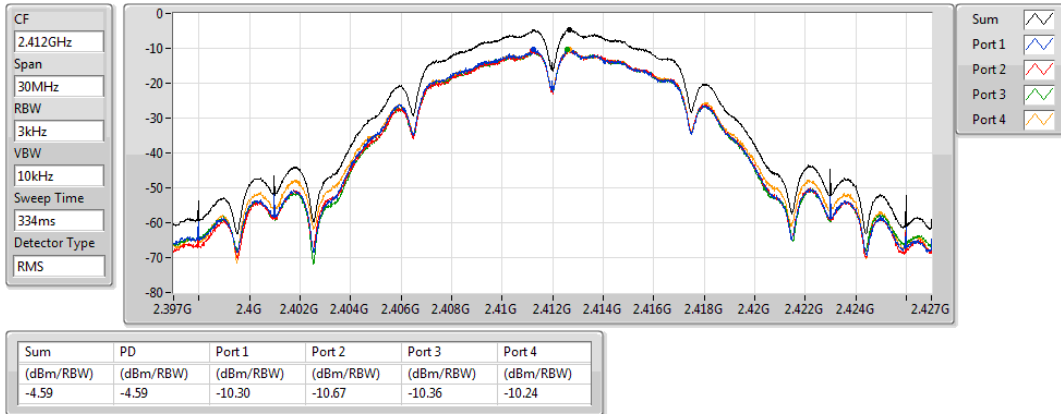
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11b_Nss1,(1Mbps)_4TX

2412MHz

PSD

15/02/2019

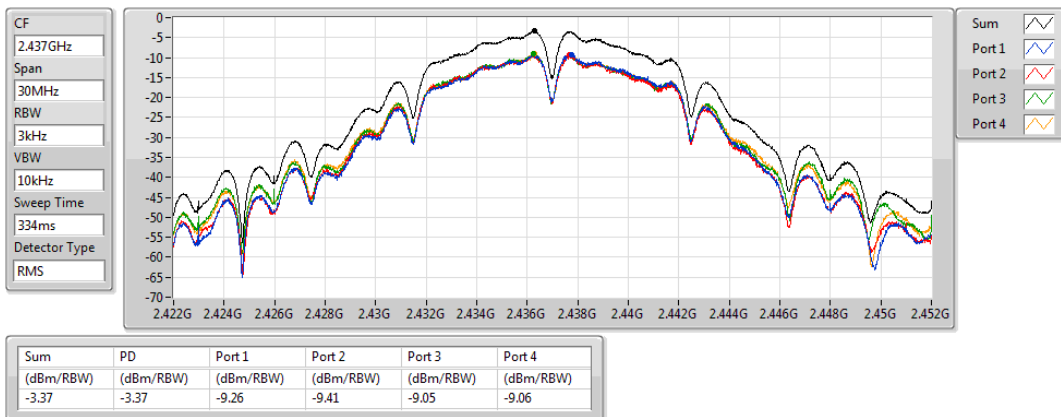


802.11b_Nss1,(1Mbps)_4TX

2437MHz

PSD

15/02/2019

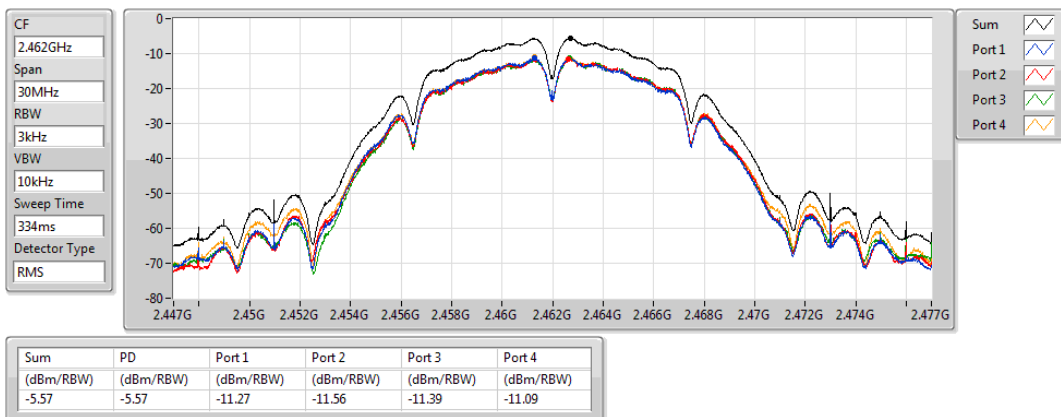


802.11b_Nss1,(1Mbps)_4TX

2462MHz

PSD

15/02/2019

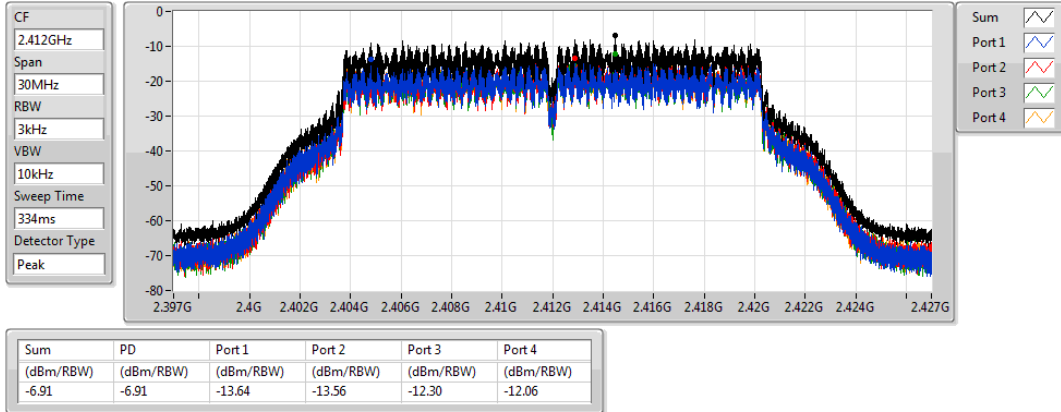


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

15/02/2019

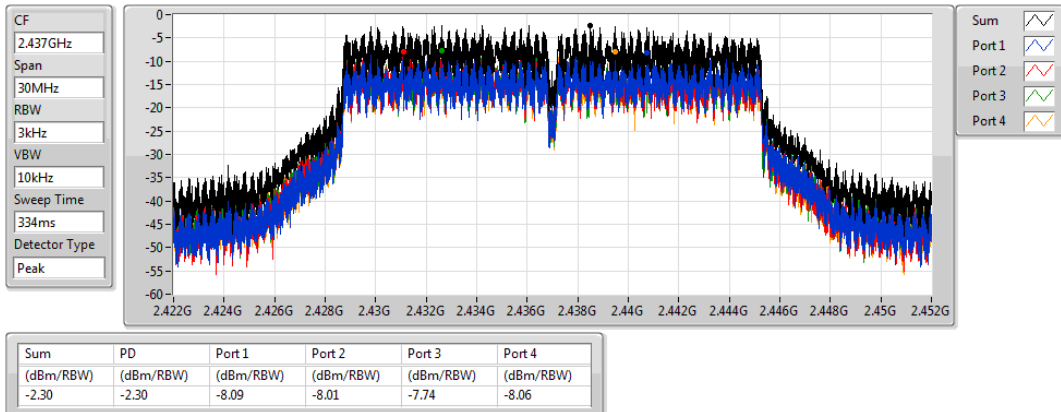


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

15/02/2019

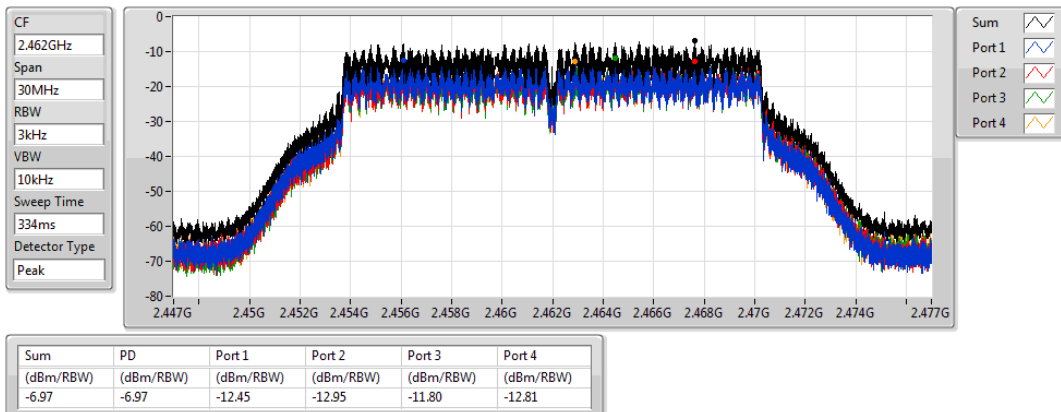


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

15/02/2019

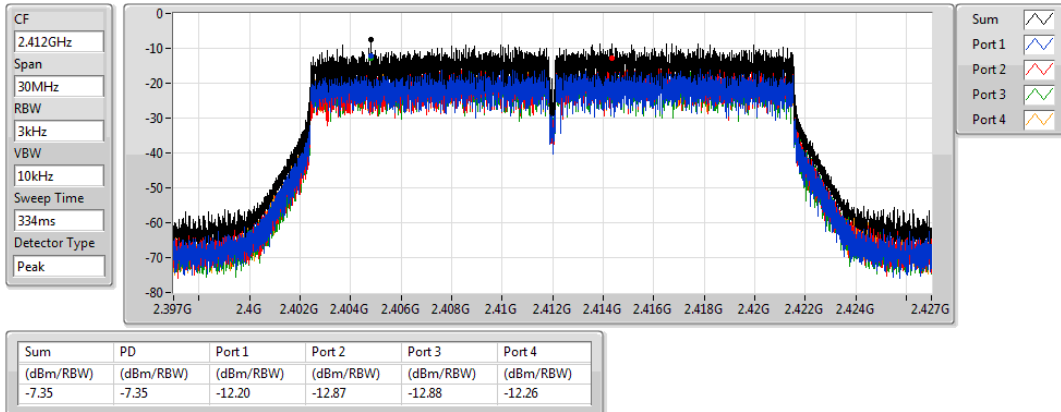


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

15/02/2019

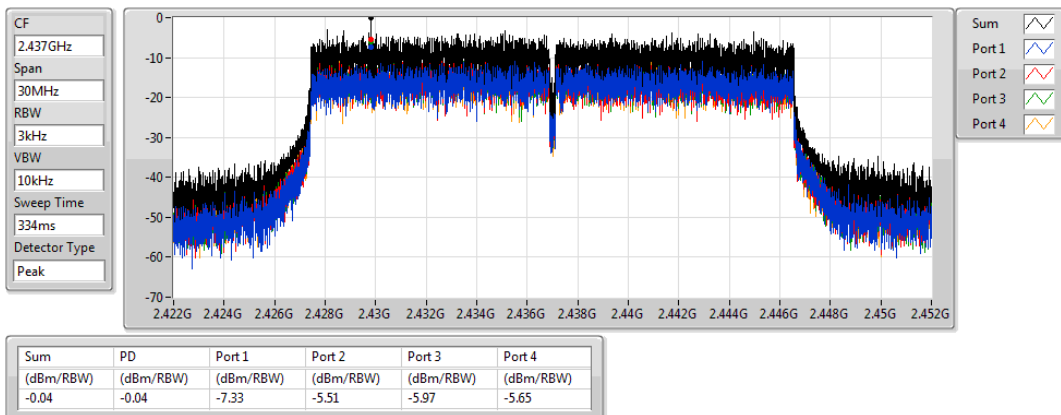


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

25/01/2019

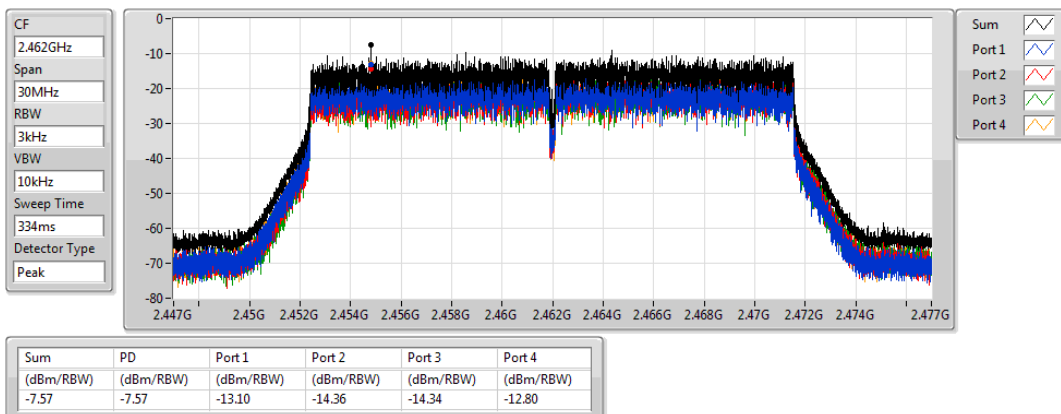


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

15/02/2019

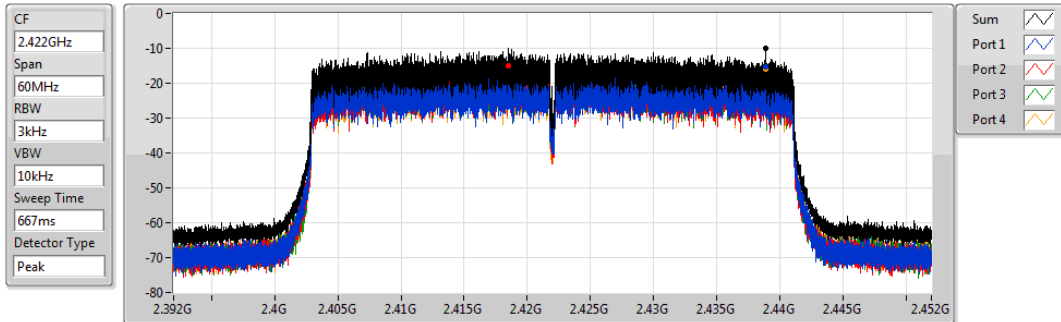


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

15/02/2019



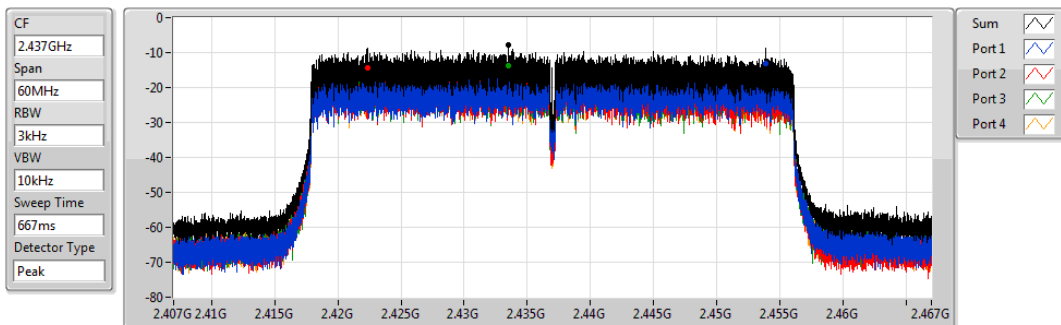
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.88	-9.88	-15.24	-14.94	-14.97	-15.84

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

25/01/2019



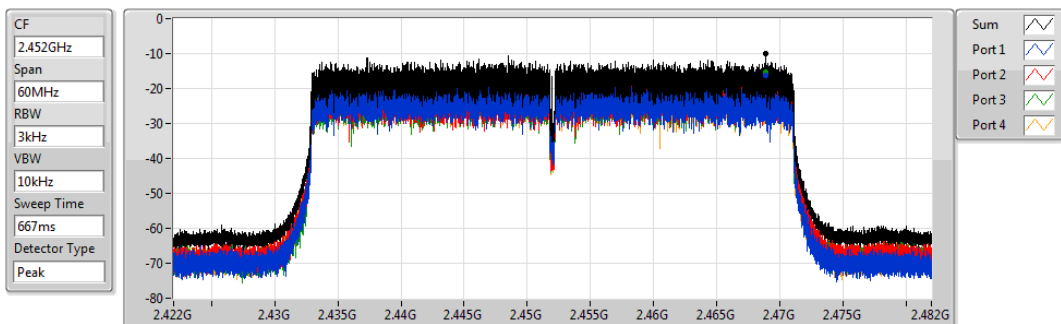
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.95	-7.95	-13.05	-14.53	-13.77	-13.67

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



PSD Result

Appendix D.14

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;

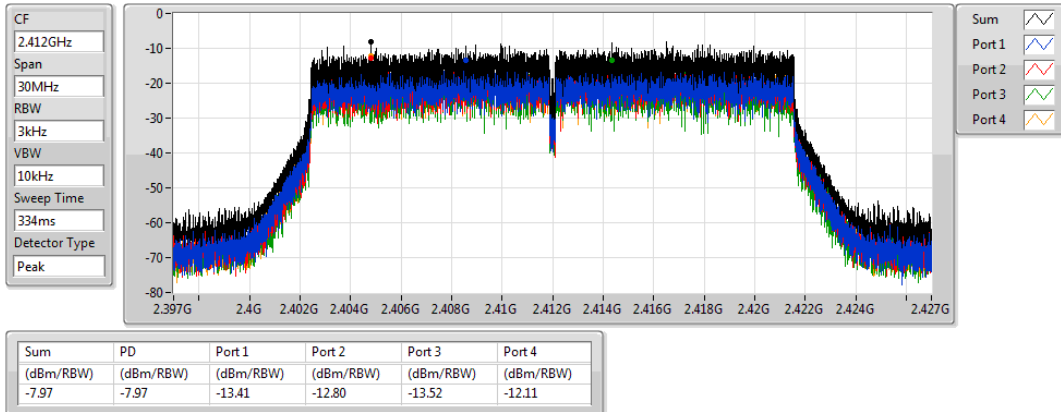
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

19/02/2019

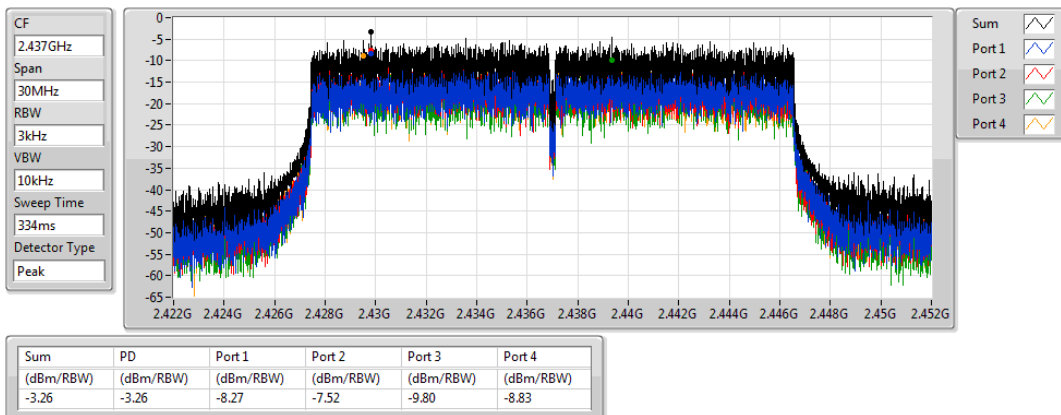


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

19/02/2019

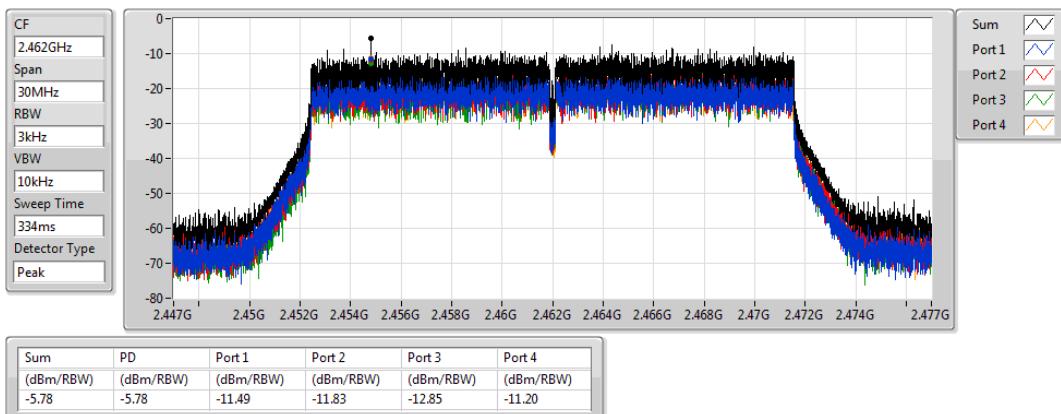


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

19/02/2019

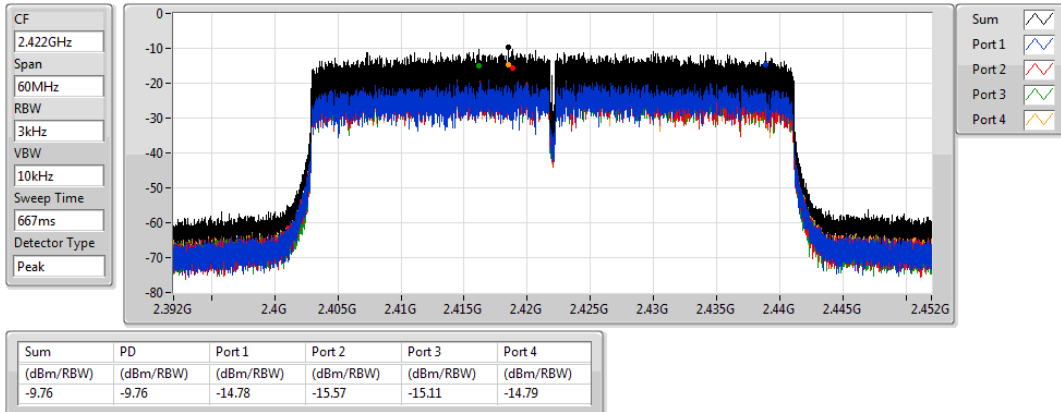


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

19/02/2019

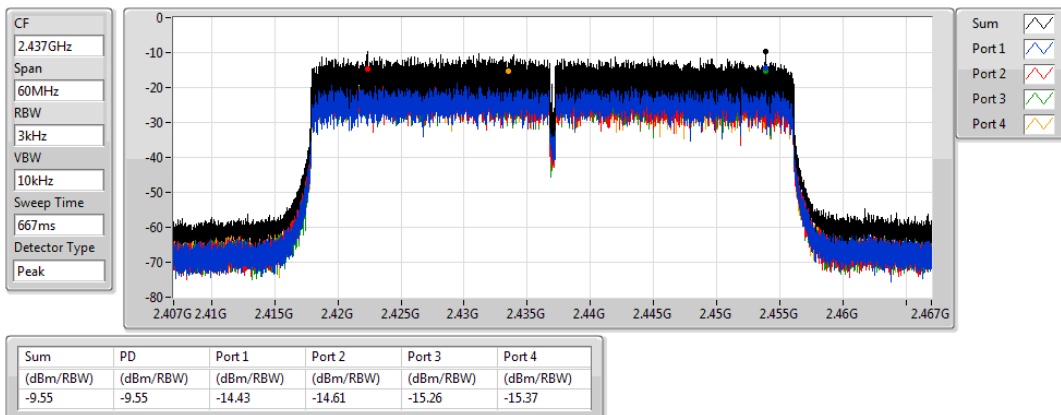


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

19/02/2019

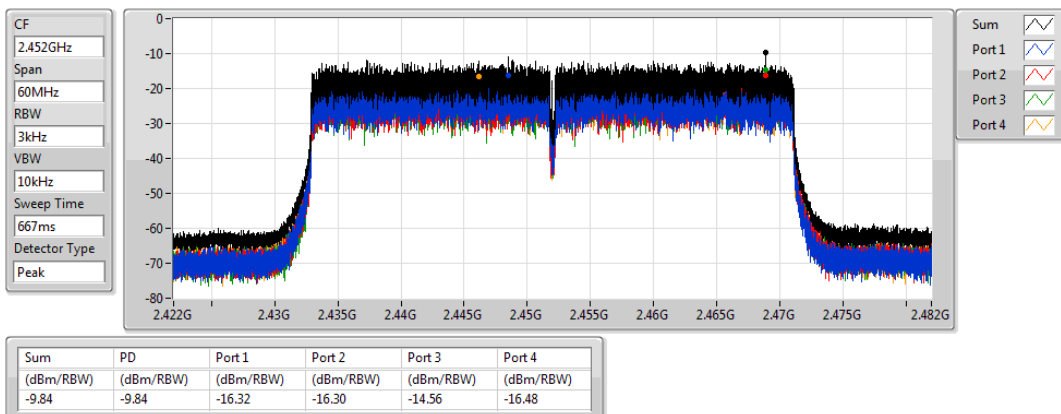


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

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;

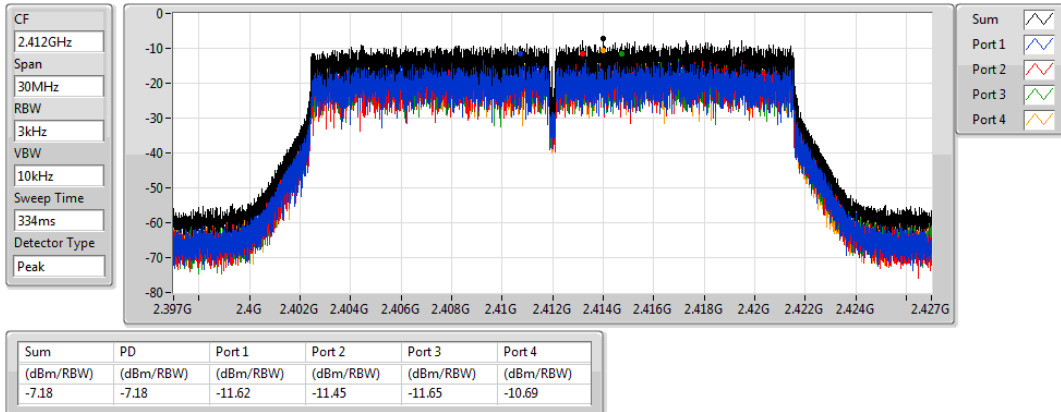
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2412MHz

25/01/2019

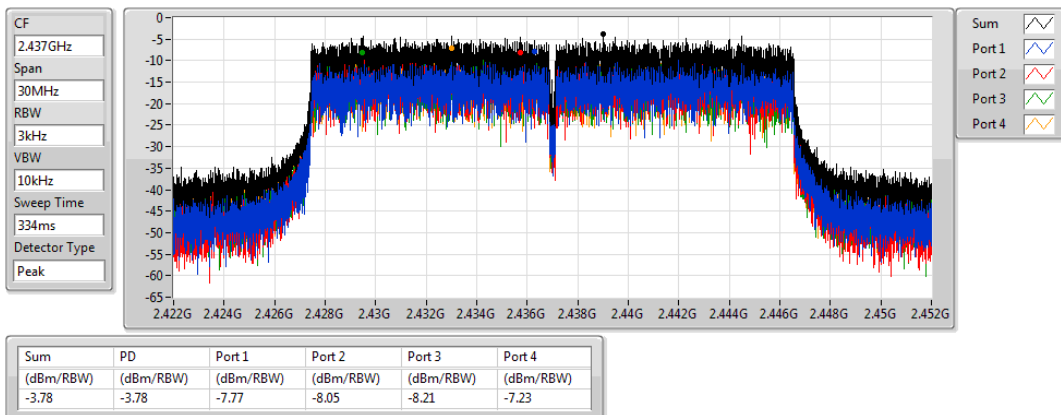


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2437MHz

25/01/2019

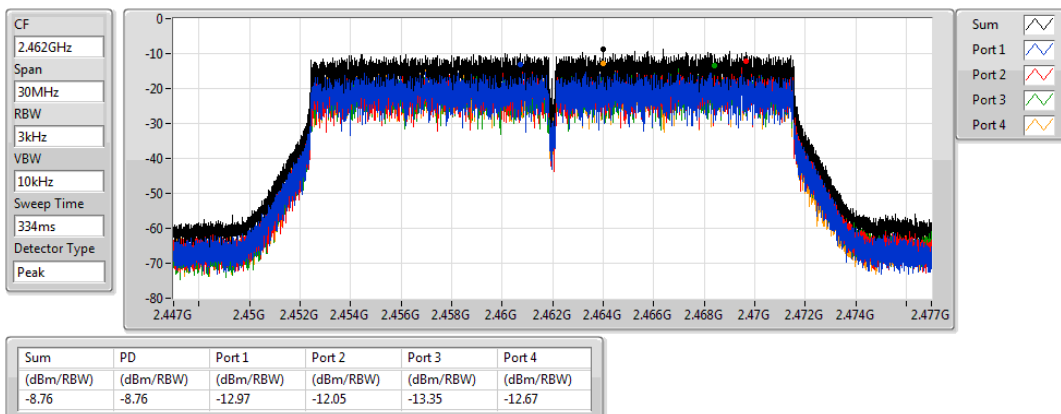


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

2462MHz

16/02/2019

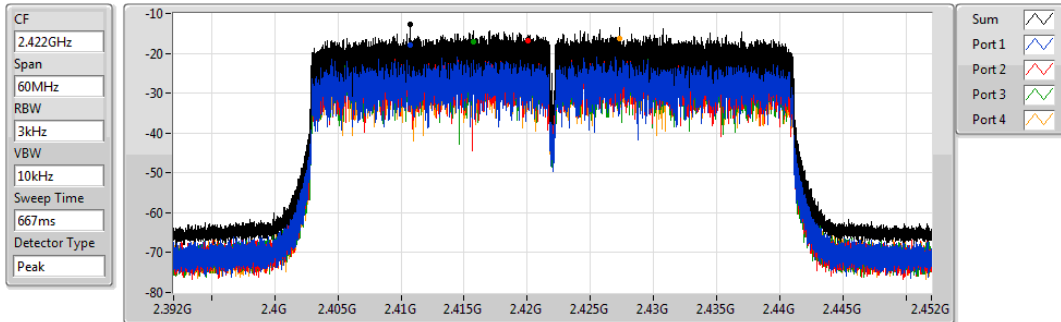


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2422MHz

16/02/2019



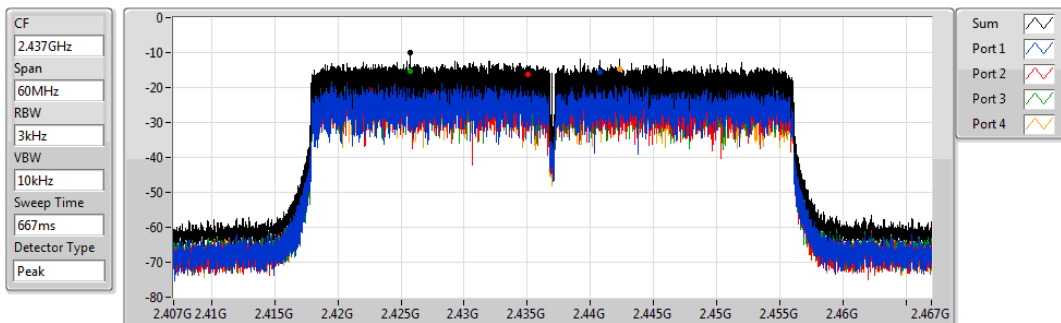
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.65	-12.65	-18.00	-16.95	-17.22	-16.32

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

2437MHz

16/02/2019



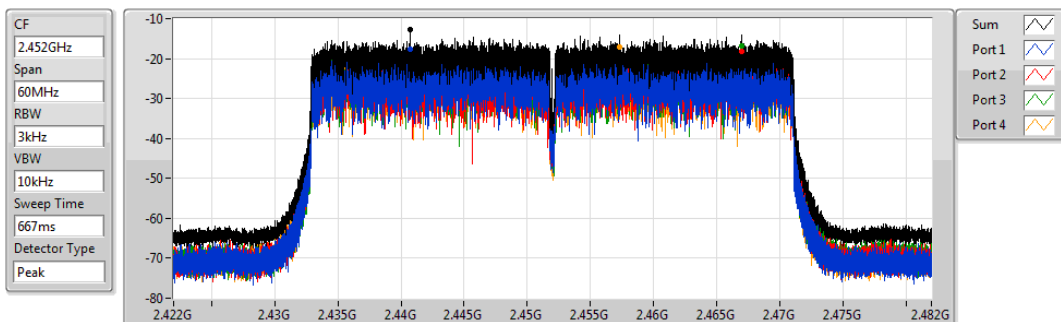
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.95	-9.95	-15.70	-16.19	-15.24	-14.78

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



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	2.43749G	14.63	-15.37	916.27M	-43.12	2.39996G	-27.56	2.50224G	-41.48	16.55165G	-33.71	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	9.83	-20.17	818.12M	-43.38	2.3999G	-32.45	2.50932G	-41.84	16.99556G	-34.56	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43073G	9.16	-20.84	911.61M	-42.62	2.39966G	-28.84	2.52254G	-41.85	24.9719G	-34.49	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.44572G	2.94	-27.06	863.85M	-43.06	2.3906G	-42.84	2.48618G	-37.16	16.57509G	-34.75	1

Result

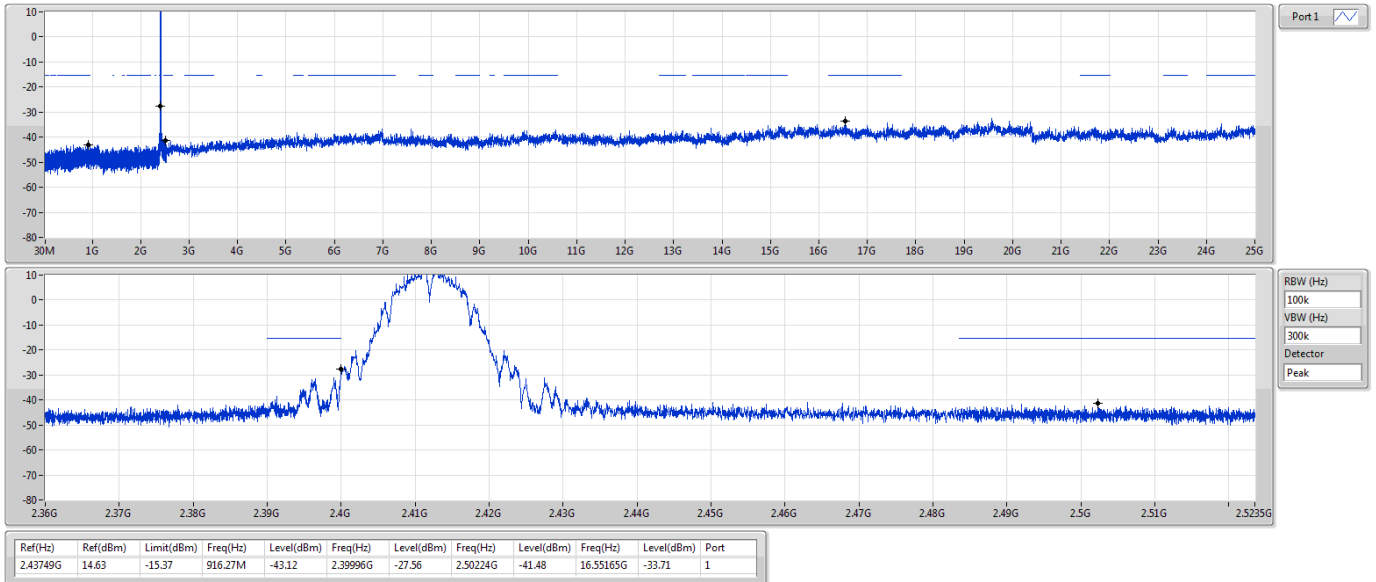
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	14.63	-15.37	916.27M	-43.12	2.39996G	-27.56	2.50224G	-41.48	16.55165G	-33.71	1
2437MHz	Pass	2.43749G	14.63	-15.37	790.16M	-42.84	2.39998G	-38.63	2.48364G	-40.36	16.26788G	-34.42	1
2462MHz	Pass	2.43749G	14.63	-15.37	864.43M	-41.92	2.39892G	-41.83	2.49346G	-41.10	16.97589G	-34.26	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	9.83	-20.17	818.12M	-43.38	2.3999G	-32.45	2.50932G	-41.84	16.99556G	-34.56	1
2437MHz	Pass	2.43574G	9.83	-20.17	735.12M	-43.09	2.39984G	-33.59	2.48372G	-38.97	16.29036G	-34.63	1
2462MHz	Pass	2.43574G	9.83	-20.17	1.94322G	-42.31	2.39968G	-42.99	2.48418G	-38.84	15.2171G	-34.73	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	9.16	-20.84	911.61M	-42.62	2.39966G	-28.84	2.52254G	-41.85	24.9719G	-34.49	1
2437MHz	Pass	2.43073G	9.16	-20.84	717.93M	-42.64	2.3982G	-34.77	2.48612G	-37.20	16.29036G	-34.91	1
2462MHz	Pass	2.43073G	9.16	-20.84	698.42M	-42.13	2.39854G	-42.64	2.48422G	-39.74	16.49545G	-33.89	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44572G	2.94	-27.06	959.17M	-43.40	2.39908G	-36.82	2.48682G	-41.91	16.54705G	-34.87	1
2437MHz	Pass	2.44572G	2.94	-27.06	688.09M	-43.29	2.39916G	-36.06	2.48378G	-39.26	16.30586G	-35.03	1
2452MHz	Pass	2.44572G	2.94	-27.06	863.85M	-43.06	2.3906G	-42.84	2.48618G	-37.16	16.57509G	-34.75	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2412MHz

29/06/2019

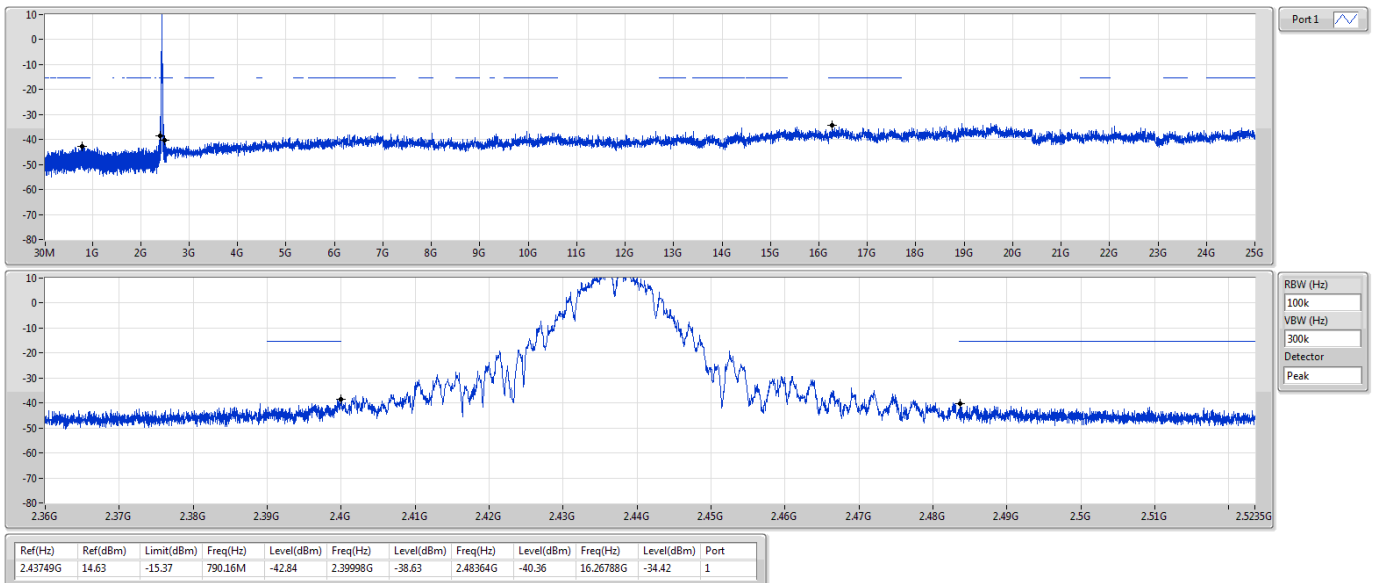


802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2437MHz

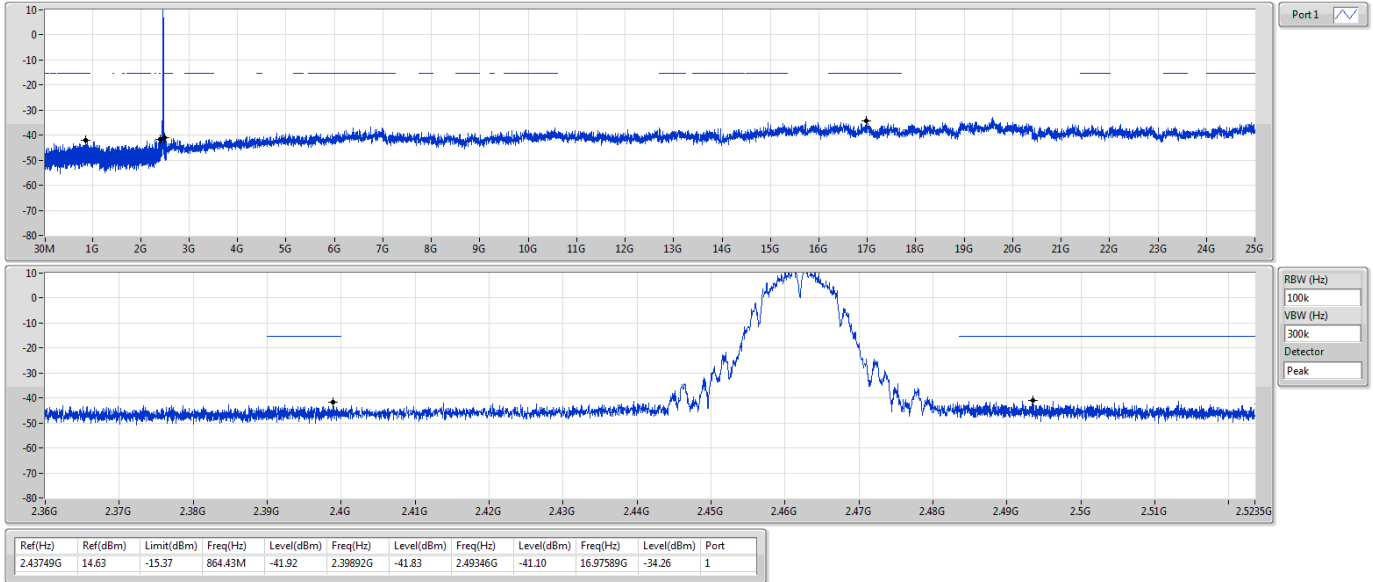
29/06/2019



802.11b_Nss1,(1Mbps)_1TX

CSE NdB

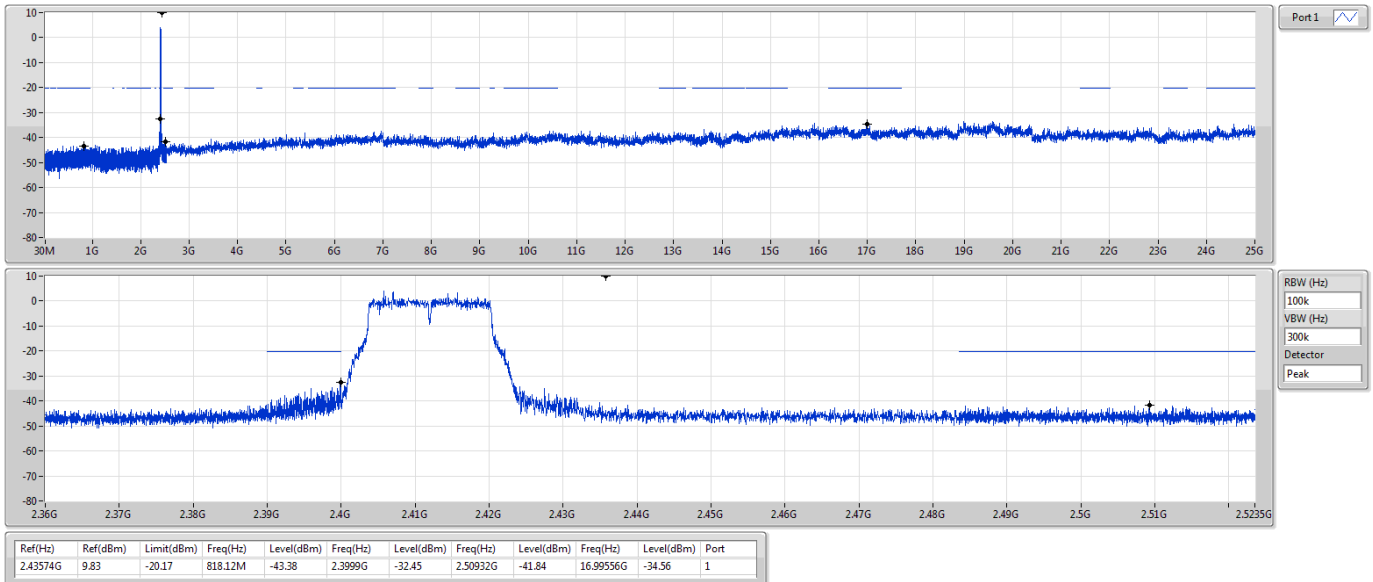
2462MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2412MHz

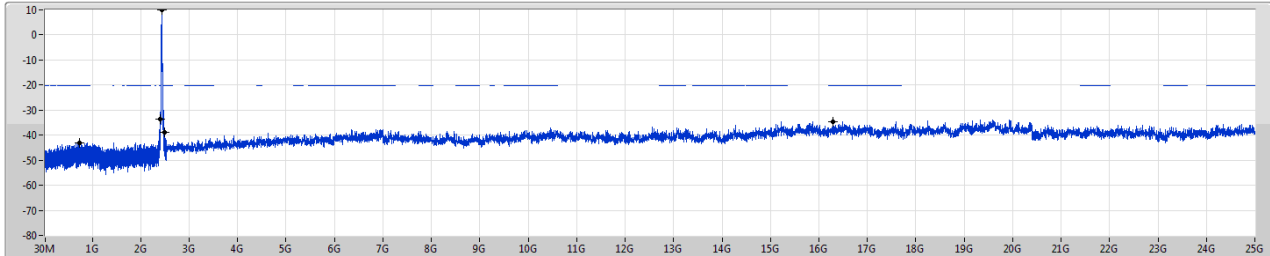


802.11g_Nss1,(6Mbps)_1TX

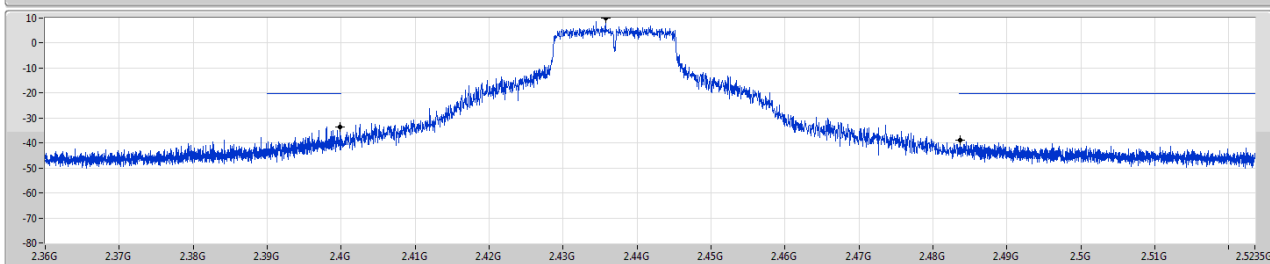
CSE NdB

2437MHz

29/06/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

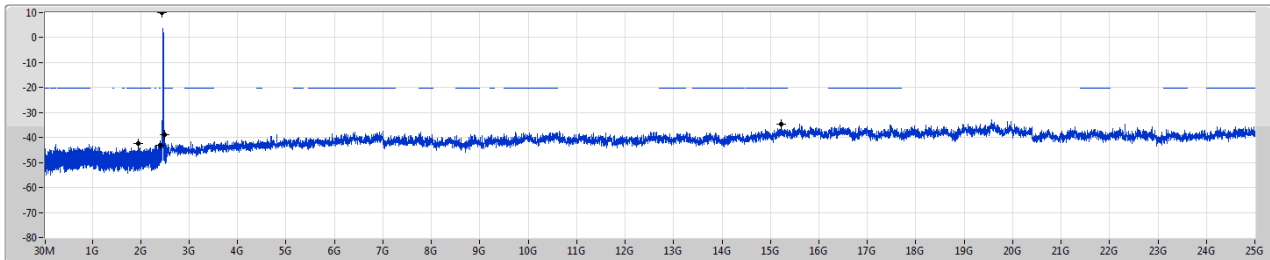
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	9.83	-20.17	735.12M	-43.09	2.39984G	-33.59	2.48372G	-38.97	16.29036G	-34.63	1

802.11g_Nss1,(6Mbps)_1TX

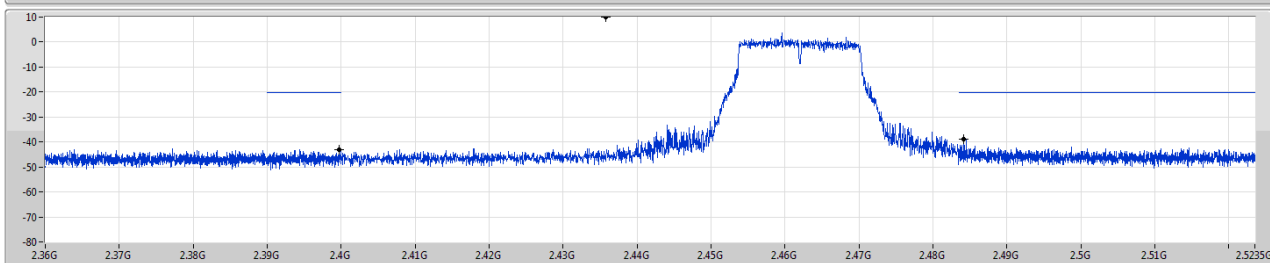
CSE NdB

2462MHz

29/06/2019



Port1



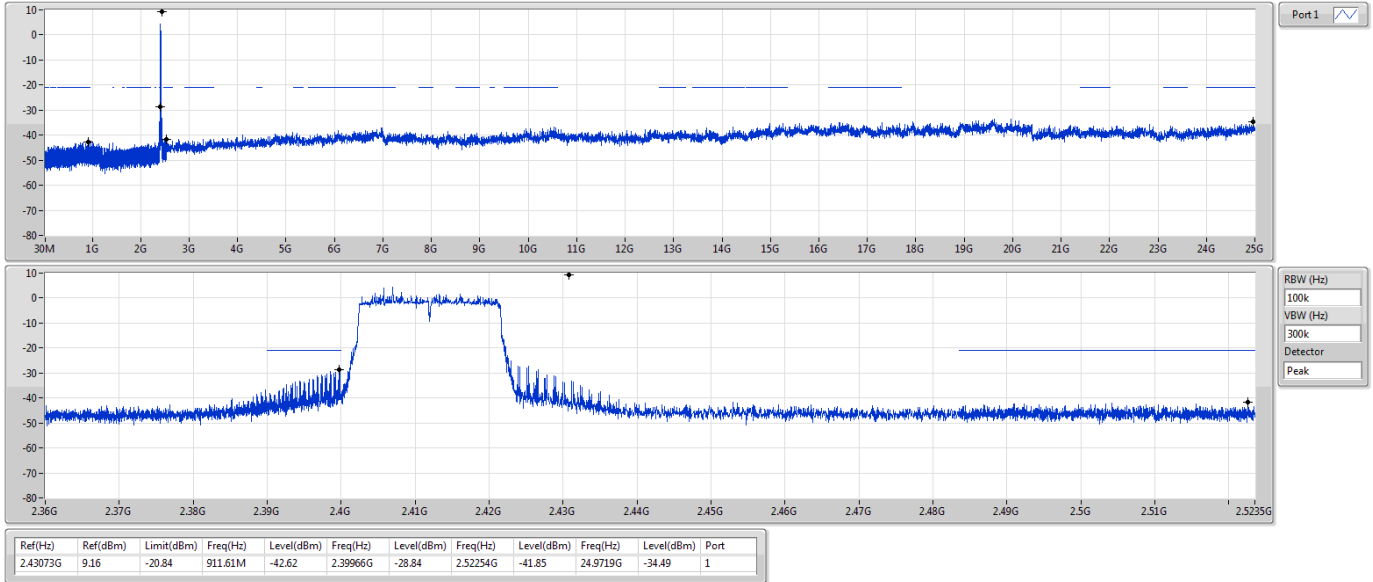
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	9.83	-20.17	1.94322G	-42.31	2.39968G	-42.99	2.48418G	-38.84	15.2171G	-34.73	1

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

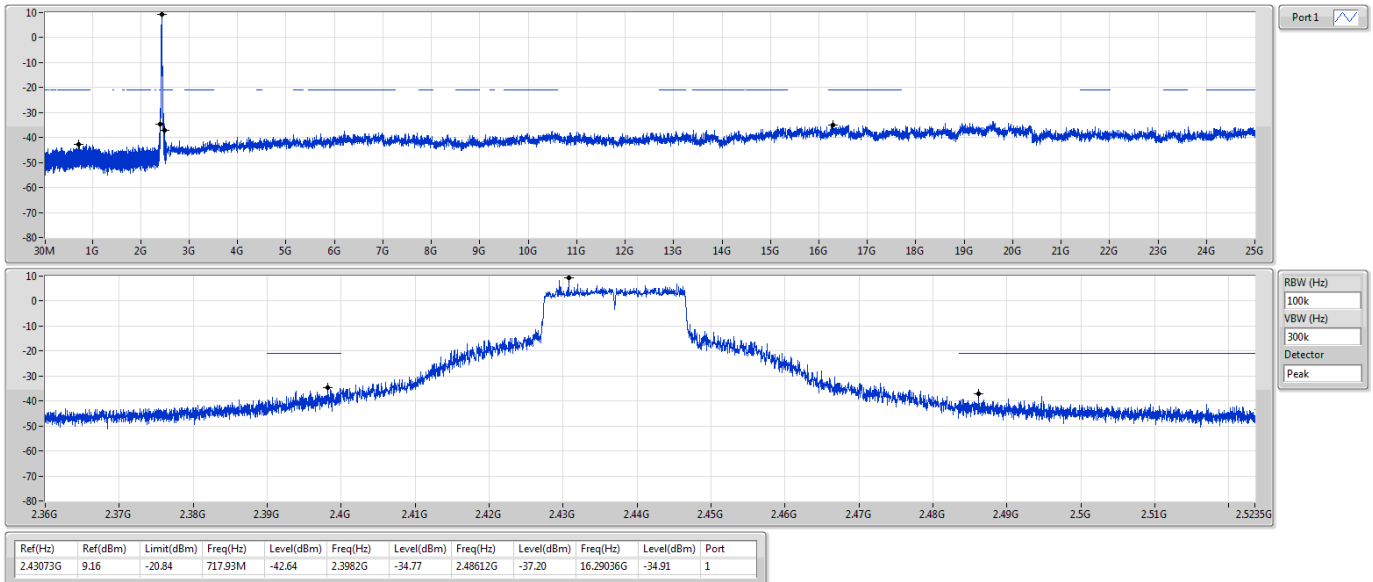
2412MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

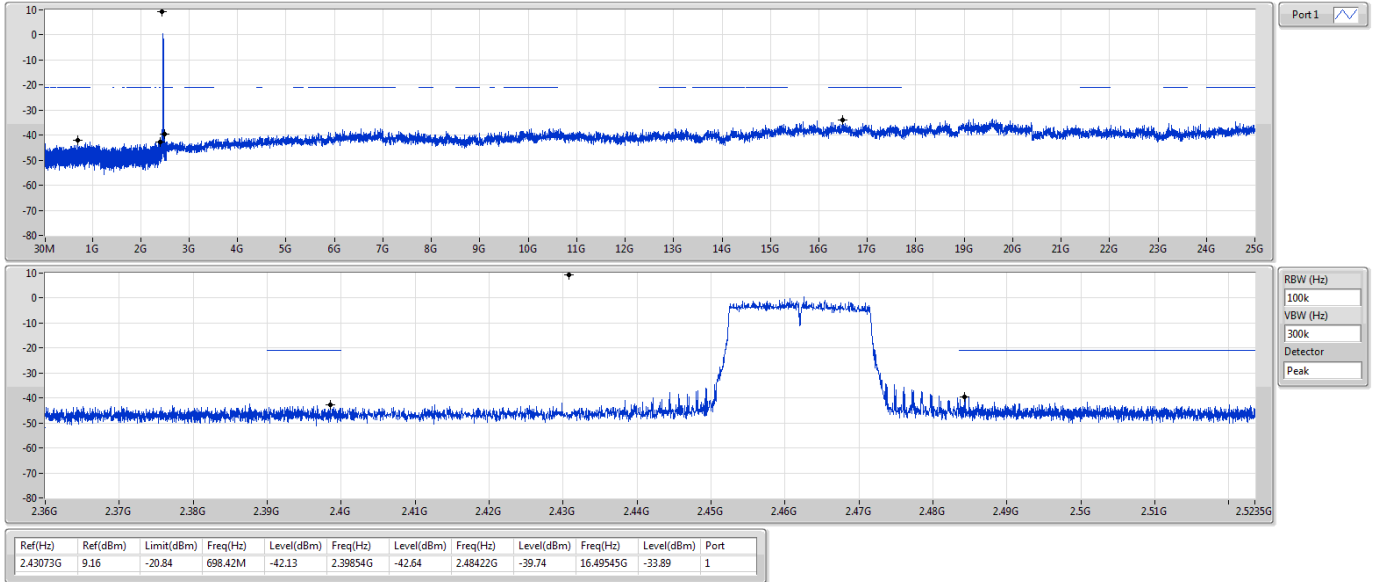
2437MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

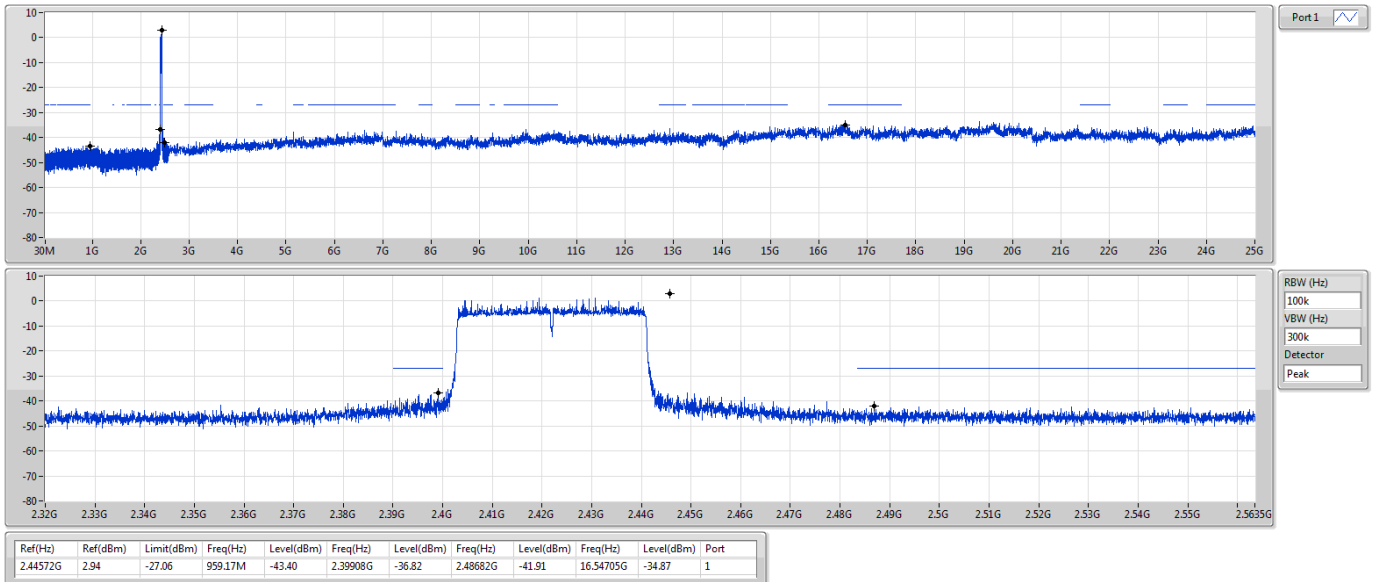
2462MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

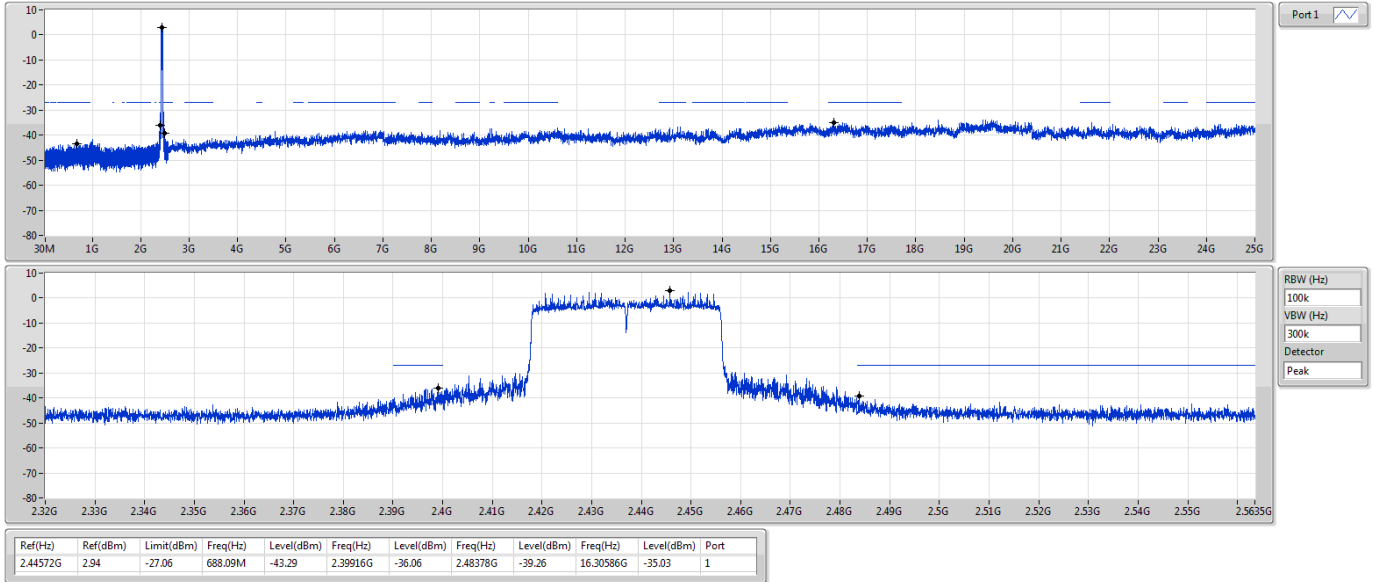
2422MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

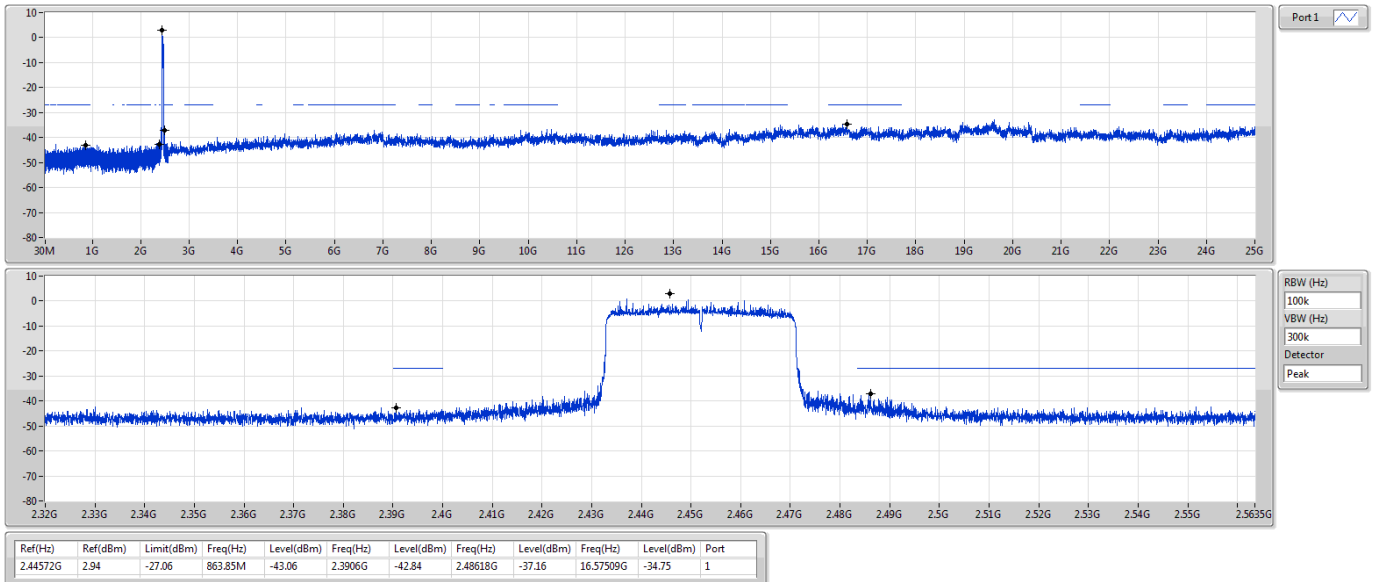
2437MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz





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	2.43824G	8.20	-21.80	1.64323G	-43.59	2.39944G	-26.61	2.5156G	-41.88	17.49285G	-33.58	1
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.42948G	0.98	-29.02	931.69M	-42.76	2.3996G	-43.19	2.51634G	-42.17	16.55266G	-34.29	1

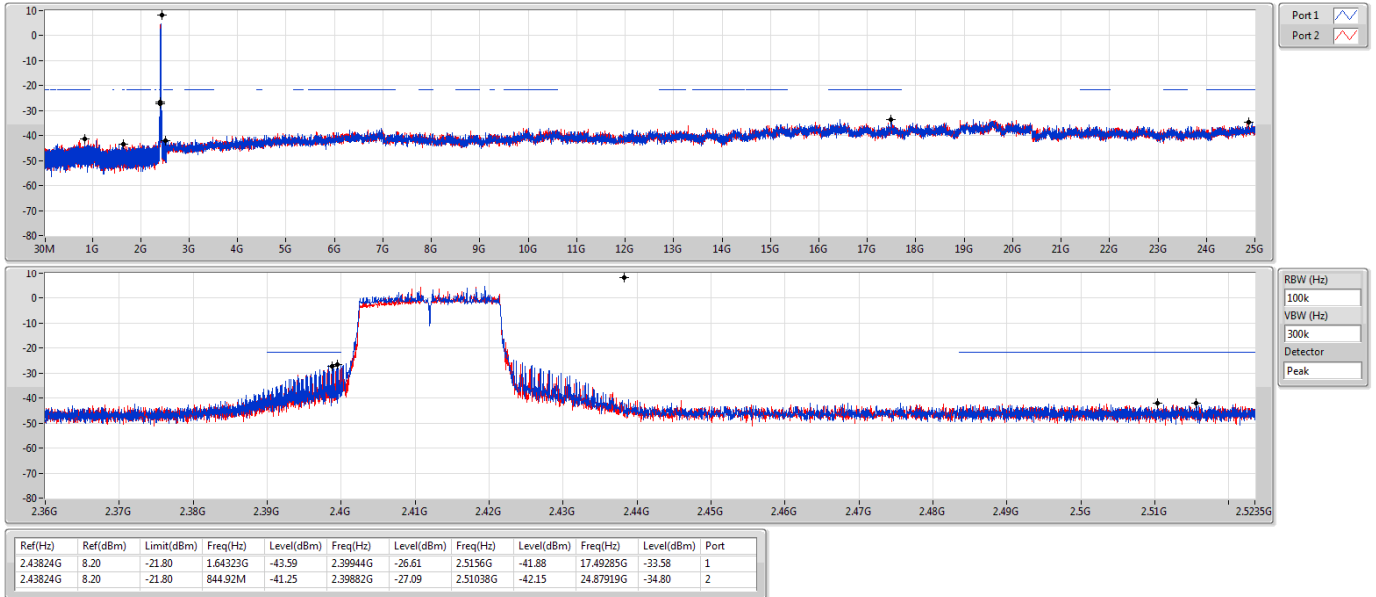
**Result**

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_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	8.20	-21.80	1.64323G	-43.59	2.39944G	-26.61	2.5156G	-41.88	17.49285G	-33.58	1
2412MHz	Pass	2.43824G	8.20	-21.80	844.92M	-41.25	2.39882G	-27.09	2.51038G	-42.15	24.87919G	-34.80	2
2437MHz	Pass	2.43824G	8.20	-21.80	649.49M	-42.72	2.3982G	-39.86	2.50048G	-40.36	16.40836G	-34.10	1
2437MHz	Pass	2.43824G	8.20	-21.80	856.86M	-42.18	2.39424G	-38.26	2.4993G	-40.65	24.77524G	-34.52	2
2462MHz	Pass	2.43824G	8.20	-21.80	768.03M	-42.87	2.39274G	-41.65	2.48362G	-35.27	24.92695G	-34.37	1
2462MHz	Pass	2.43824G	8.20	-21.80	760.16M	-42.98	2.39364G	-43.53	2.4836G	-33.86	16.95341G	-33.85	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	0.98	-29.02	770.82M	-42.61	2.39088G	-42.38	2.54922G	-41.42	16.96493G	-34.68	1
2422MHz	Pass	2.42948G	0.98	-29.02	769.96M	-40.53	2.39032G	-42.59	2.53738G	-42.36	16.27501G	-34.88	2
2437MHz	Pass	2.42948G	0.98	-29.02	836.94M	-42.61	2.39696G	-40.81	2.48418G	-41.49	17.59876G	-34.38	1
2437MHz	Pass	2.42948G	0.98	-29.02	637.14M	-42.62	2.39948G	-39.88	2.49094G	-41.82	24.8766G	-34.39	2
2452MHz	Pass	2.42948G	0.98	-29.02	931.69M	-42.76	2.3996G	-43.19	2.51634G	-42.17	16.55266G	-34.29	1
2452MHz	Pass	2.42948G	0.98	-29.02	906.21M	-43.40	2.39504G	-42.89	2.48386G	-41.65	16.47413G	-34.79	2

802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

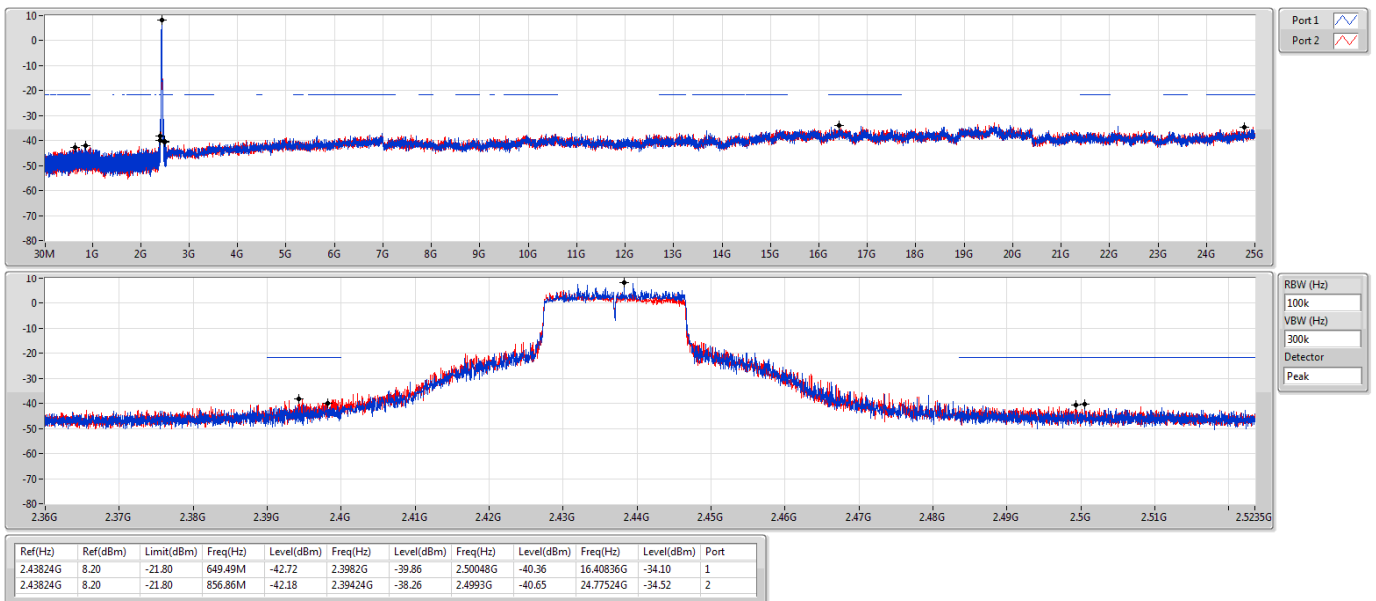
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

2437MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

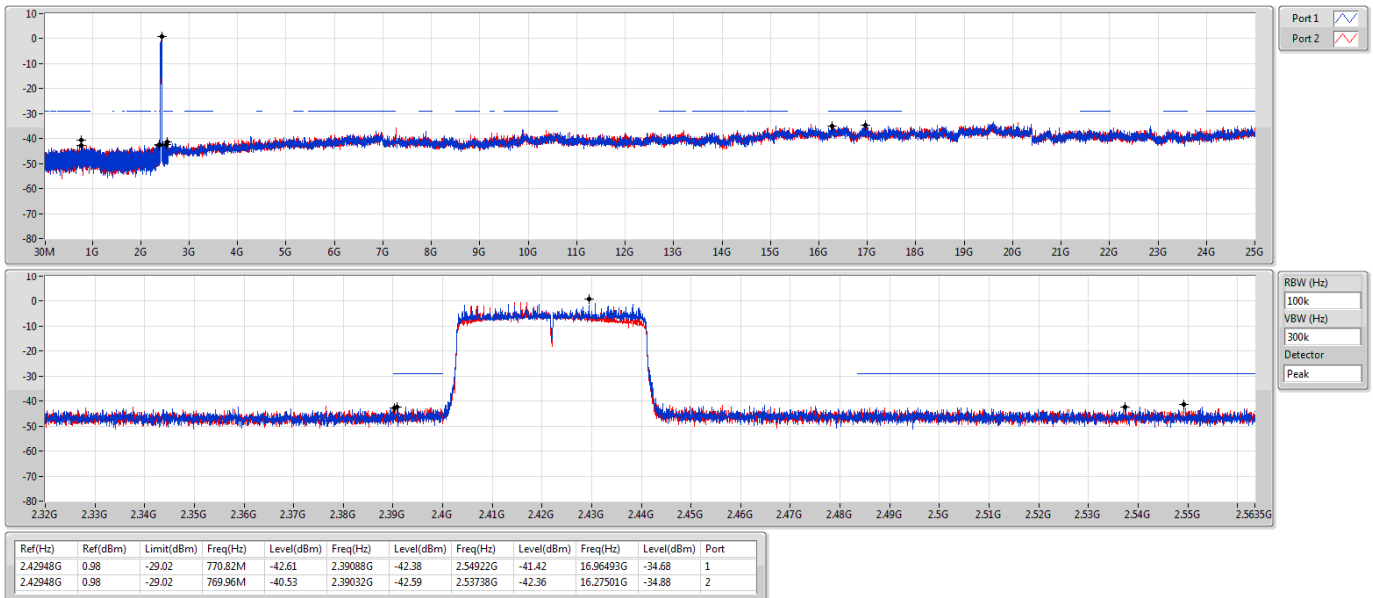
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2422MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

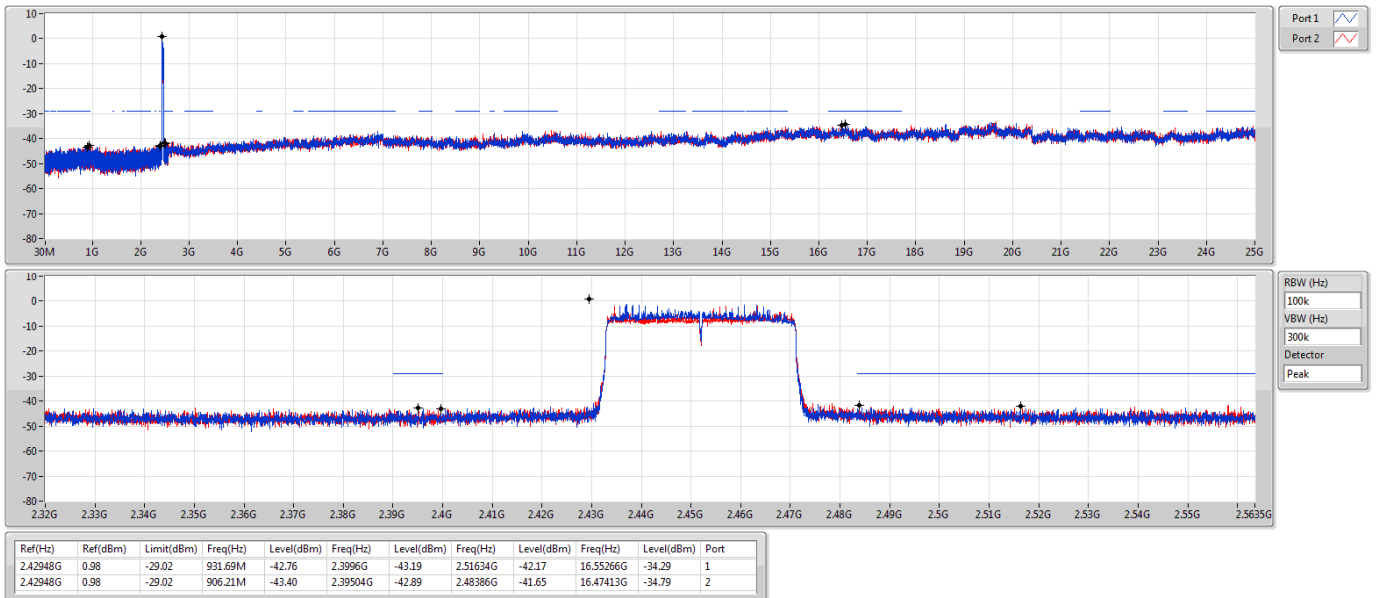
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz



**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	15.02	-14.98	837.05M	-42.06	2.39998G	-29.93	2.48682G	-40.93	17.50971G	-35.03	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.42952G	6.61	-23.39	754.34M	-42.74	2.399G	-40.49	2.51212G	-41.98	24.92976G	-33.83	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43073G	6.12	-23.88	867.64M	-42.16	2.39944G	-40.79	2.50804G	-42.20	15.21991G	-33.79	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43073G	1.00	-29.00	879.88M	-43.04	2.39328G	-41.17	2.48782G	-41.11	16.50498G	-33.88	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
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	15.02	-14.98	2.11593G	-41.98	2.39996G	-30.91	2.50376G	-41.26	16.55726G	-34.59	1
2412MHz	Pass	2.43649G	15.02	-14.98	2.30845G	-43.08	2.39998G	-33.06	2.50958G	-41.74	16.52917G	-33.84	2
2412MHz	Pass	2.43649G	15.02	-14.98	837.05M	-42.06	2.39998G	-29.93	2.48682G	-40.93	17.50971G	-35.03	3
2412MHz	Pass	2.43649G	15.02	-14.98	747.93M	-42.94	2.39998G	-31.02	2.5001G	-41.72	16.56569G	-34.02	4
2437MHz	Pass	2.43649G	15.02	-14.98	603.76M	-42.20	2.39598G	-41.87	2.49454G	-40.63	16.48984G	-34.23	1
2437MHz	Pass	2.43649G	15.02	-14.98	839.97M	-42.77	2.39604G	-42.17	2.4872G	-41.55	16.31564G	-34.45	2
2437MHz	Pass	2.43649G	15.02	-14.98	667.55M	-42.51	2.3997G	-40.62	2.48688G	-41.33	24.81457G	-34.65	3
2437MHz	Pass	2.43649G	15.02	-14.98	877.25M	-42.47	2.39708G	-41.57	2.48478G	-40.99	16.43926G	-34.27	4
2462MHz	Pass	2.43649G	15.02	-14.98	2.14593G	-42.42	2.39162G	-42.05	2.48452G	-41.35	15.25644G	-34.35	1
2462MHz	Pass	2.43649G	15.02	-14.98	1.90332G	-42.90	2.39772G	-42.53	2.48462G	-41.55	24.66847G	-34.51	2
2462MHz	Pass	2.43649G	15.02	-14.98	839.38M	-43.06	2.39466G	-41.82	2.50314G	-40.68	16.44769G	-34.32	3
2462MHz	Pass	2.43649G	15.02	-14.98	875.21M	-41.68	2.39936G	-42.52	2.48494G	-41.30	17.49004G	-34.55	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42952G	6.61	-23.39	714.15M	-43.17	2.39988G	-41.47	2.50126G	-42.16	24.19085G	-34.51	1
2412MHz	Pass	2.42952G	6.61	-23.39	842.88M	-42.23	2.39824G	-39.56	2.48418G	-41.86	24.89043G	-34.37	2
2412MHz	Pass	2.42952G	6.61	-23.39	949.19M	-41.57	2.39956G	-39.91	2.49988G	-41.90	16.31845G	-35.21	3
2412MHz	Pass	2.42952G	6.61	-23.39	754.34M	-42.74	2.399G	-40.49	2.51212G	-41.98	24.92976G	-33.83	4
2437MHz	Pass	2.42952G	6.61	-23.39	861.81M	-42.78	2.39762G	-42.53	2.51326G	-41.87	16.39712G	-34.37	1
2437MHz	Pass	2.42952G	6.61	-23.39	941.9M	-43.07	2.39942G	-42.30	2.50106G	-40.74	16.55165G	-34.52	2
2437MHz	Pass	2.42952G	6.61	-23.39	858.02M	-43.29	2.39066G	-41.59	2.49486G	-41.91	24.93819G	-34.90	3
2437MHz	Pass	2.42952G	6.61	-23.39	2.15642G	-42.58	2.3967G	-41.26	2.48354G	-41.60	16.3044G	-34.94	4
2462MHz	Pass	2.42952G	6.61	-23.39	834.14M	-42.37	2.39046G	-43.59	2.51898G	-40.69	24.8539G	-34.04	1
2462MHz	Pass	2.42952G	6.61	-23.39	320.38M	-43.05	2.39204G	-42.34	2.5106G	-42.20	24.83424G	-34.95	2
2462MHz	Pass	2.42952G	6.61	-23.39	784.34M	-42.78	2.39104G	-43.44	2.5206G	-41.22	16.39993G	-34.88	3
2462MHz	Pass	2.42952G	6.61	-23.39	765.99M	-42.37	2.3993G	-42.74	2.48808G	-41.89	15.2452G	-34.23	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	6.12	-23.88	812.59M	-43.14	2.39998G	-36.17	2.48446G	-41.64	15.15529G	-34.42	1
2412MHz	Pass	2.43073G	6.12	-23.88	711.53M	-42.39	2.39966G	-36.69	2.50154G	-42.22	16.89722G	-34.71	2
2412MHz	Pass	2.43073G	6.12	-23.88	2.01603G	-42.16	2.3997G	-35.98	2.51864G	-42.20	16.55165G	-34.99	3
2412MHz	Pass	2.43073G	6.12	-23.88	378.63M	-42.38	2.39988G	-35.60	2.50032G	-41.81	15.20306G	-33.96	4
2437MHz	Pass	2.43073G	6.12	-23.88	944.82M	-43.02	2.39522G	-41.06	2.49362G	-41.81	24.69657G	-34.27	1
2437MHz	Pass	2.43073G	6.12	-23.88	703.95M	-42.90	2.39796G	-41.95	2.49042G	-41.72	16.60222G	-34.15	2
2437MHz	Pass	2.43073G	6.12	-23.88	704.24M	-42.44	2.399G	-41.60	2.50544G	-41.99	16.28474G	-34.40	3
2437MHz	Pass	2.43073G	6.12	-23.88	867.64M	-42.16	2.39944G	-40.79	2.50804G	-42.20	15.21991G	-33.79	4
2462MHz	Pass	2.43073G	6.12	-23.88	1.9706G	-43.08	2.39378G	-43.12	2.51372G	-42.31	16.31845G	-35.00	1
2462MHz	Pass	2.43073G	6.12	-23.88	2.12059G	-42.44	2.39014G	-43.21	2.48728G	-42.17	16.48141G	-34.42	2
2462MHz	Pass	2.43073G	6.12	-23.88	1.94322G	-43.11	2.3932G	-43.27	2.48392G	-41.21	24.882G	-34.93	3
2462MHz	Pass	2.43073G	6.12	-23.88	740.36M	-42.66	2.39294G	-43.08	2.52174G	-41.59	16.23417G	-34.77	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43073G	1.00	-29.00	807.17M	-42.82	2.39908G	-42.87	2.55258G	-42.50	16.98456G	-34.32	1
2422MHz	Pass	2.43073G	1.00	-29.00	2.16772G	-42.74	2.3992G	-42.33	2.51618G	-41.29	16.47693G	-34.51	2
2422MHz	Pass	2.43073G	1.00	-29.00	879.88M	-43.04	2.39328G	-41.17	2.48782G	-41.11	16.50498G	-33.88	3
2422MHz	Pass	2.43073G	1.00	-29.00	2.13394G	-42.44	2.39892G	-41.53	2.52642G	-42.27	16.51059G	-34.32	4
2437MHz	Pass	2.43073G	1.00	-29.00	860.7M	-42.22	2.39956G	-39.97	2.53222G	-41.47	24.96074G	-34.68	1
2437MHz	Pass	2.43073G	1.00	-29.00	1.92183G	-42.27	2.3936G	-43.04	2.48642G	-42.15	16.91445G	-34.11	2
2437MHz	Pass	2.43073G	1.00	-29.00	1.97421G	-42.19	2.3996G	-41.38	2.52854G	-41.68	15.27939G	-34.84	3
2437MHz	Pass	2.43073G	1.00	-29.00	2.15254G	-42.05	2.39956G	-38.89	2.49854G	-41.53	16.41523G	-34.07	4

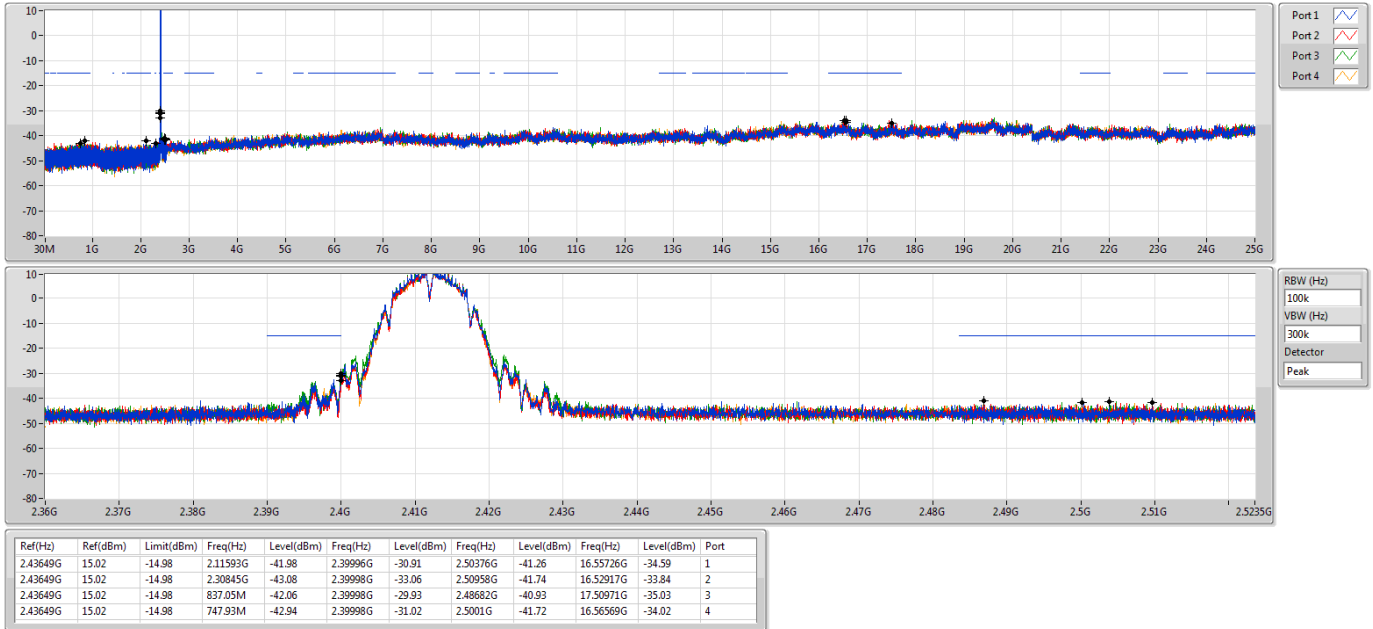


Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.43073G	1.00	-29.00	863.85M	-43.07	2.39832G	-43.68	2.49618G	-41.82	16.55827G	-34.56	1
2452MHz	Pass	2.43073G	1.00	-29.00	927.97M	-42.45	2.3966G	-43.84	2.49554G	-41.61	16.56107G	-34.51	2
2452MHz	Pass	2.43073G	1.00	-29.00	2.12793G	-42.64	2.3944G	-43.23	2.48986G	-40.85	16.53022G	-35.23	3
2452MHz	Pass	2.43073G	1.00	-29.00	696.68M	-41.74	2.39284G	-42.77	2.48498G	-39.87	16.6396G	-34.88	4

802.11b_Nss1,(1Mbps)_4TX

CSE NdB

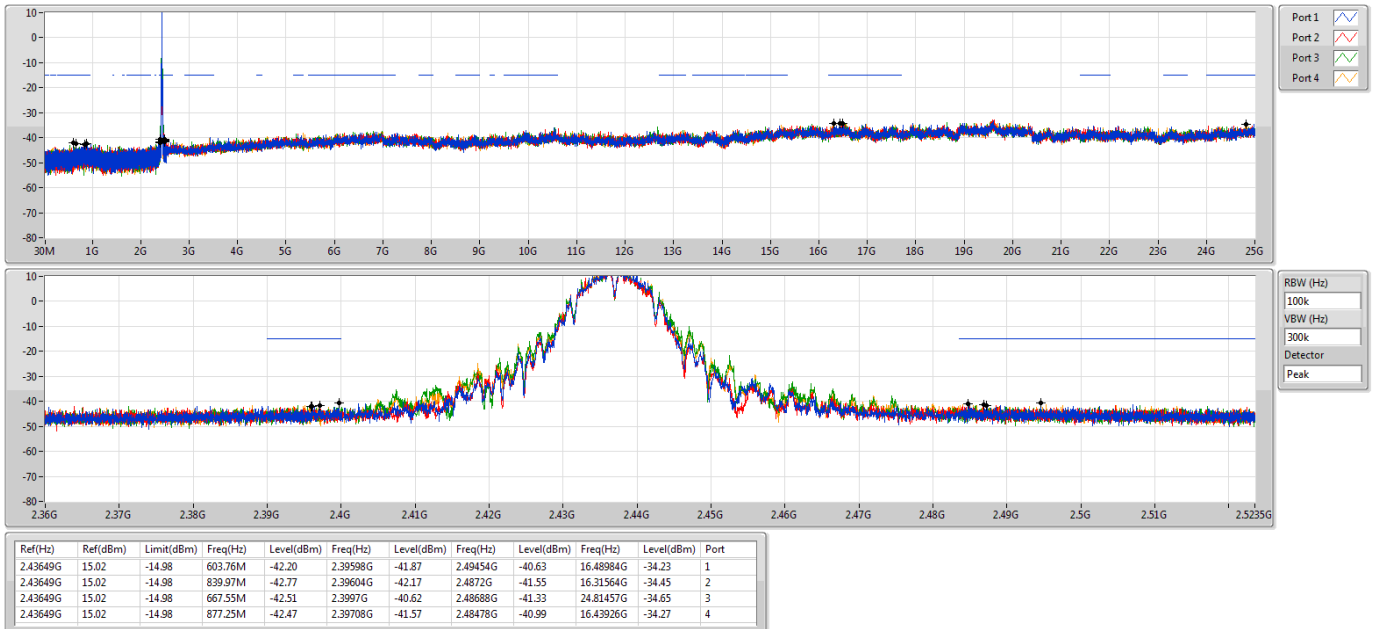
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSE NdB

2437MHz

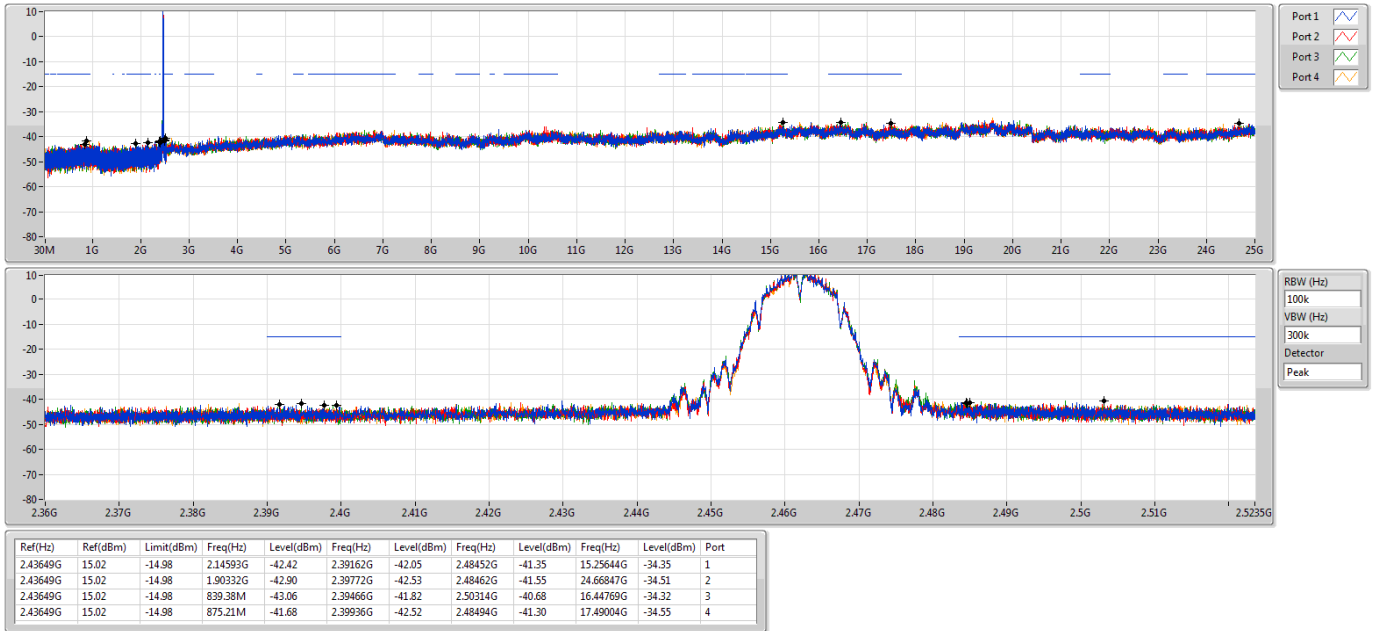


802.11b_Nss1,(1Mbps)_4TX

2462MHz

CSE NdB

29/06/2019

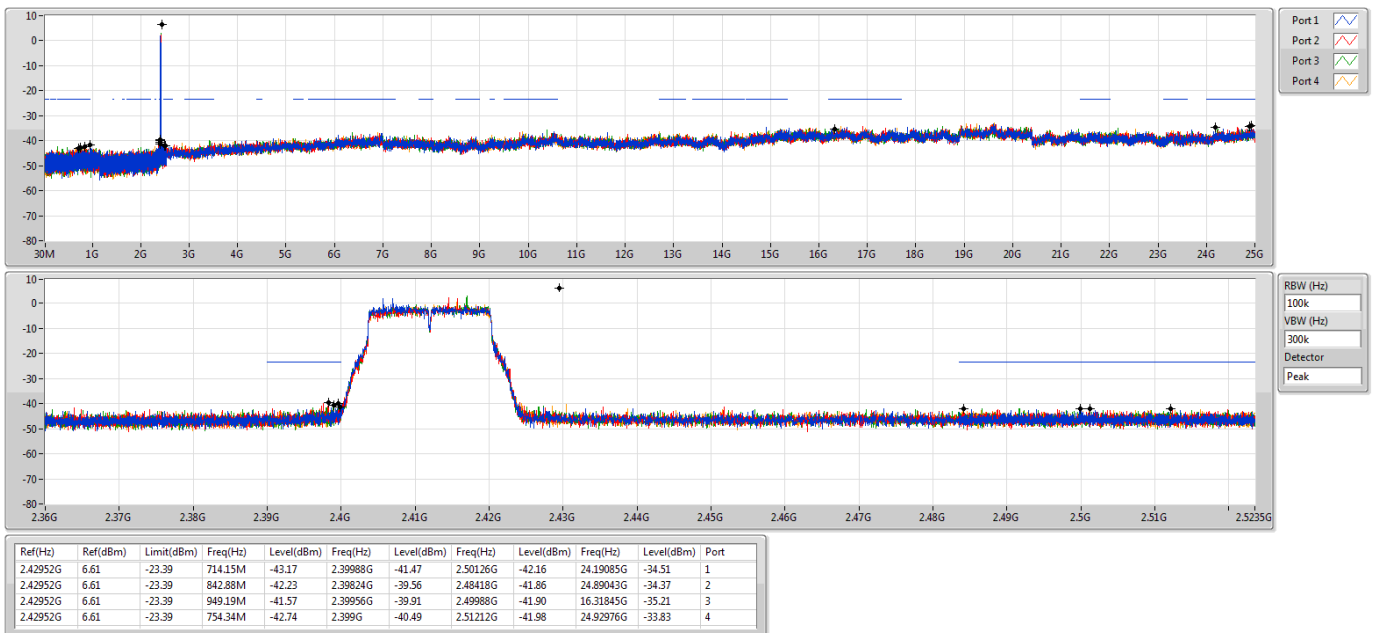


802.11g_Nss1,(6Mbps)_4TX

2412MHz

CSE NdB

29/06/2019

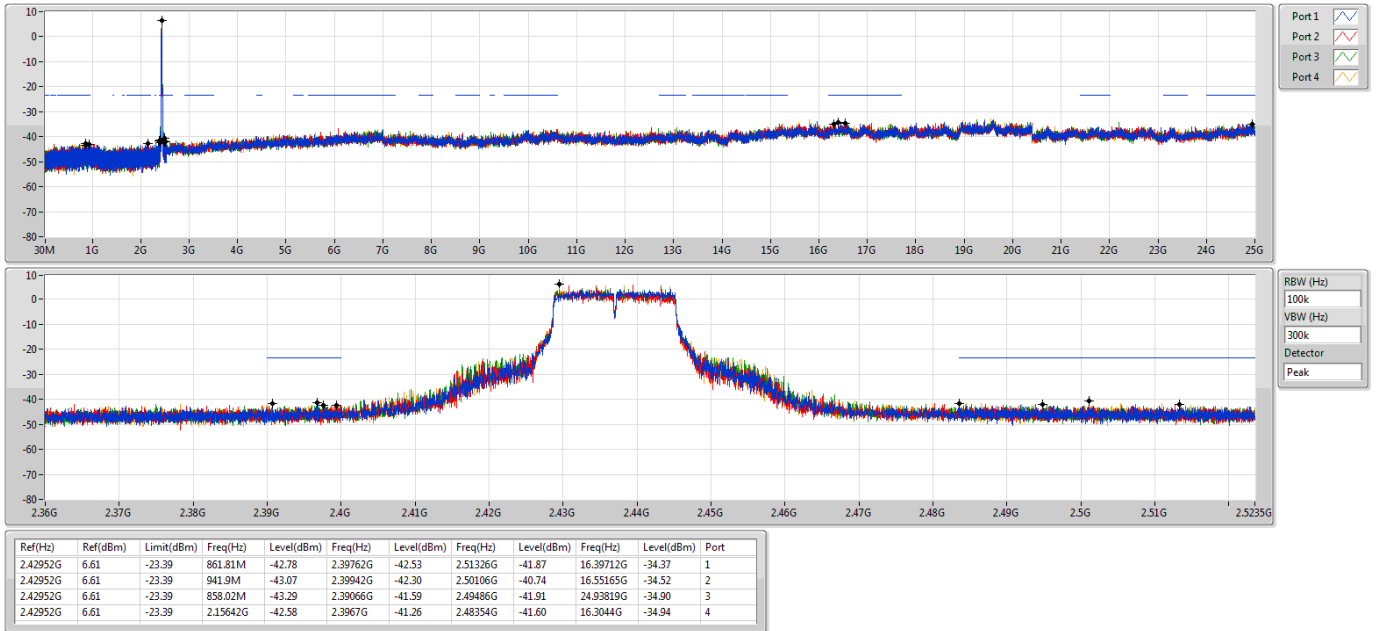


802.11g_Nss1,(6Mbps)_4TX

2437MHz

CSE NdB

29/06/2019

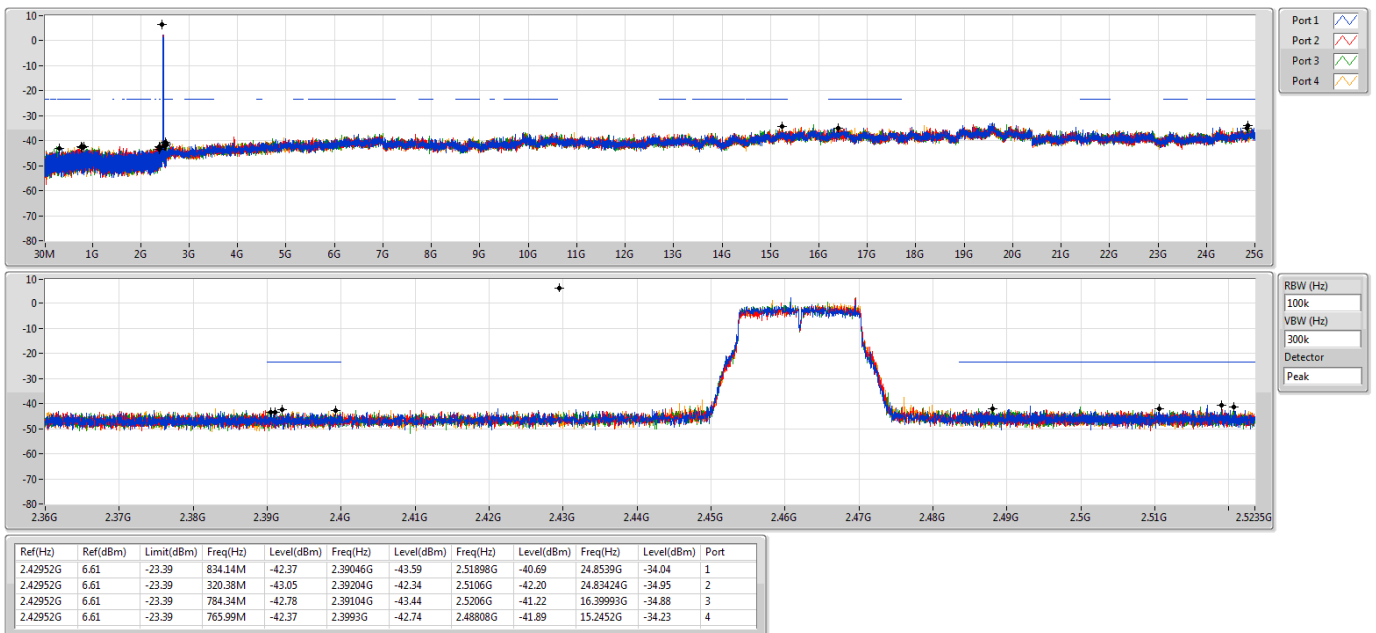


802.11g_Nss1,(6Mbps)_4TX

2462MHz

CSE NdB

29/06/2019

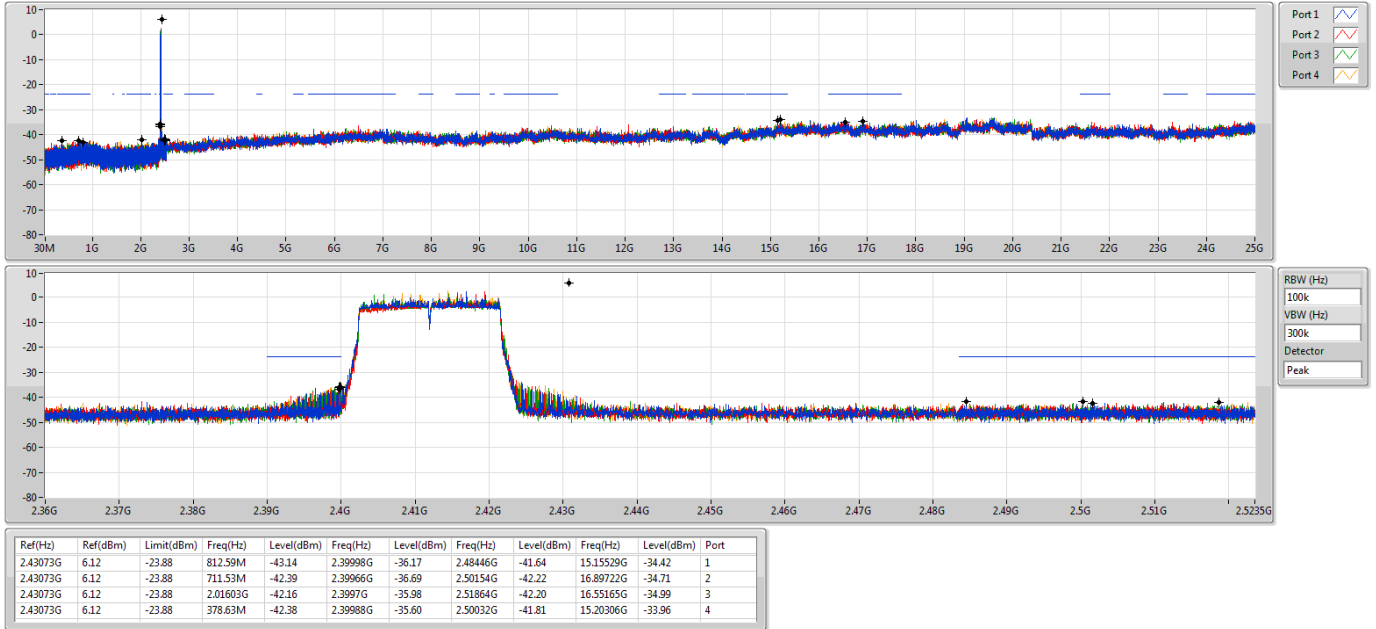


802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

2412MHz

29/06/2019

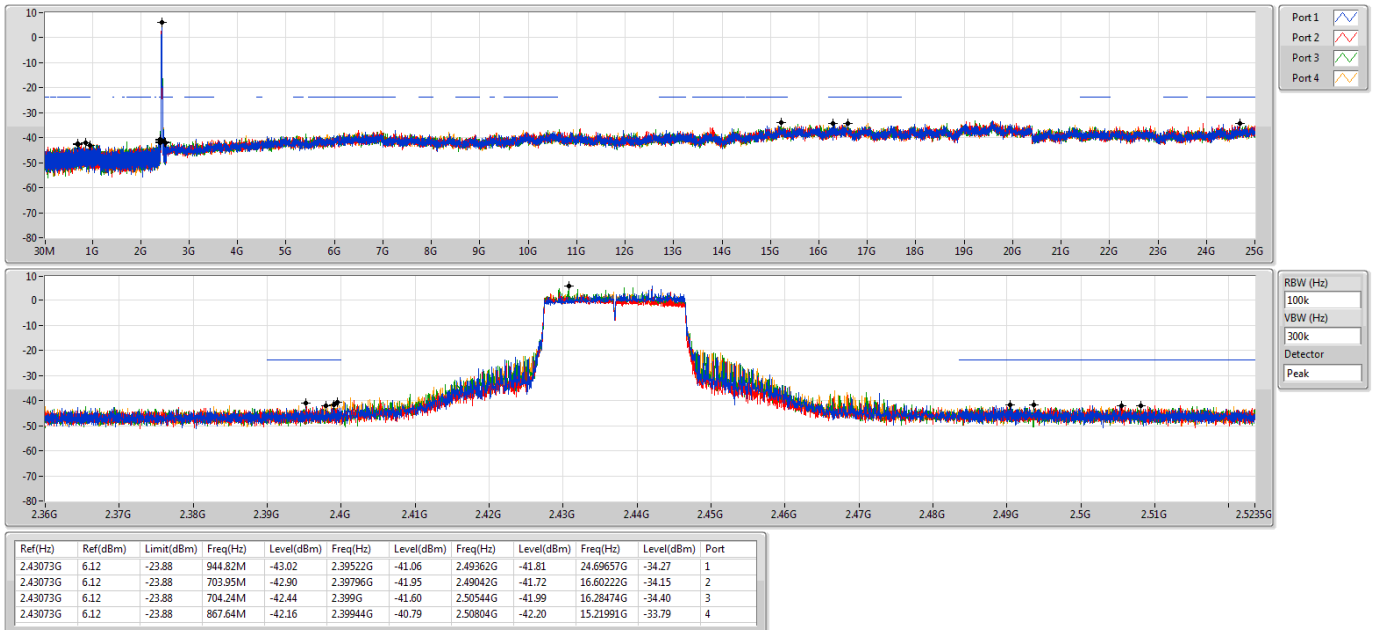


802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

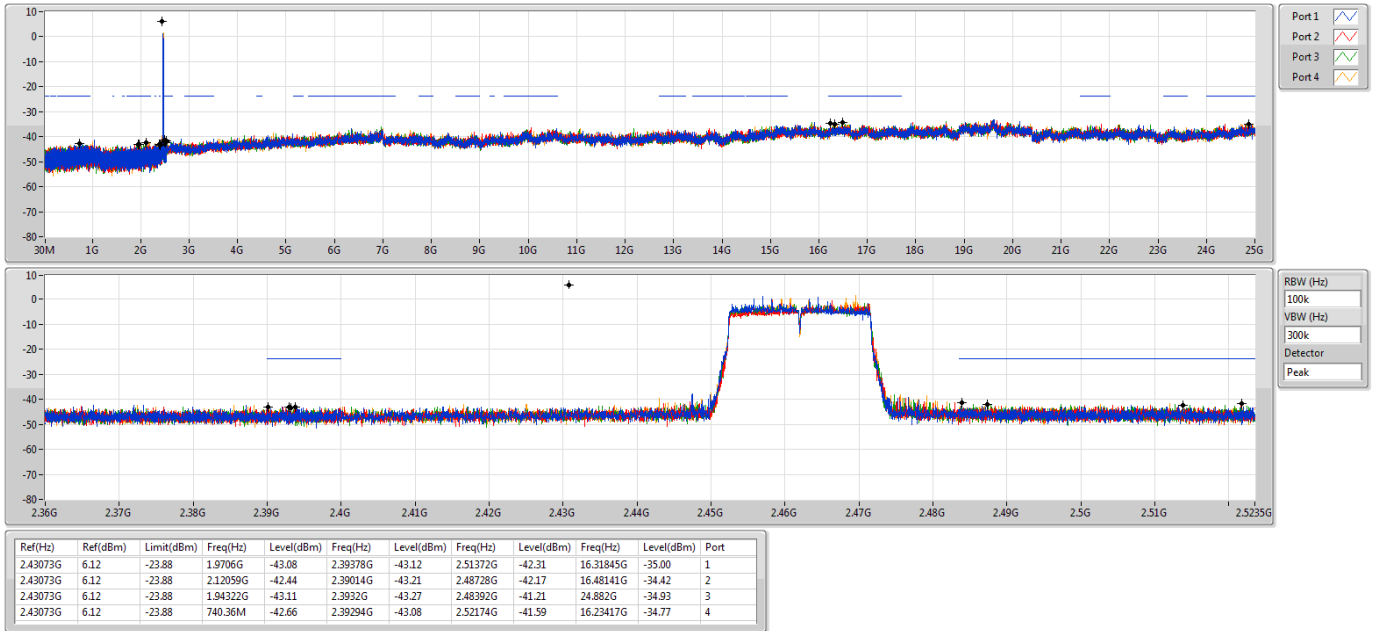


802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

CSE NdB

29/06/2019



802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz

CSE NdB

29/06/2019

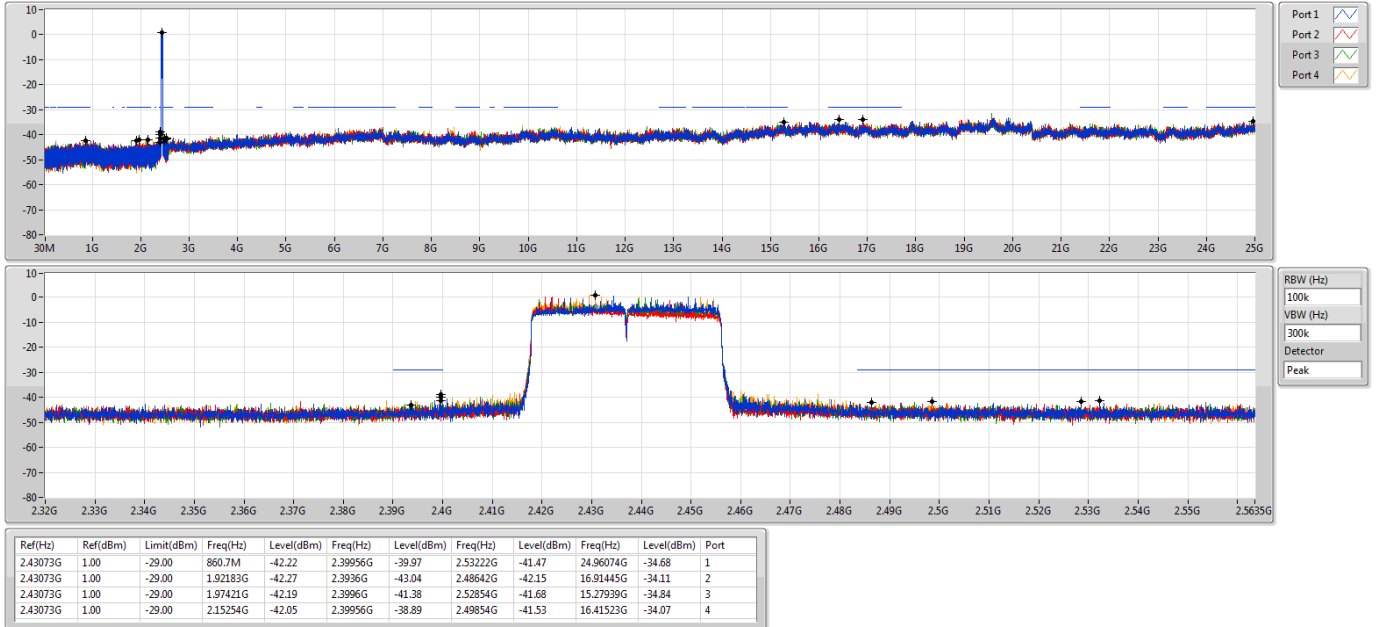


802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

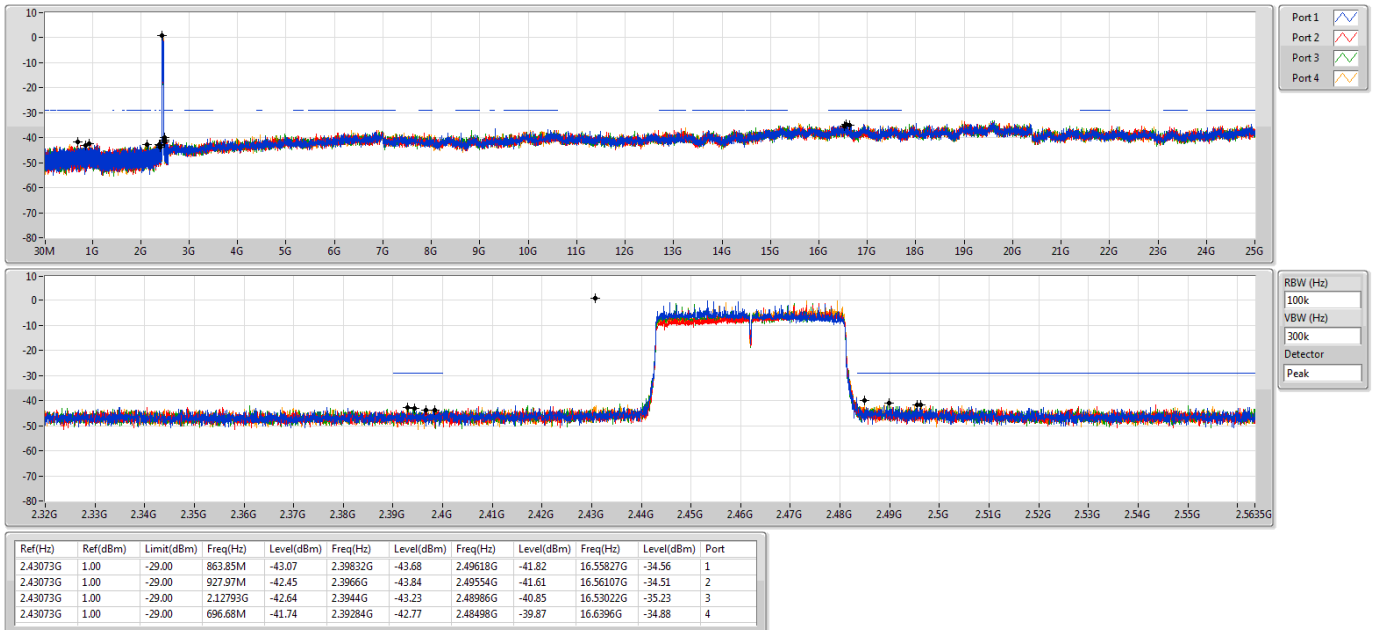


802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019





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	21.34	-8.66	31.17M	-18.33	2.3996G	-25.85	2.48966G	-31.46	16.94498G	-41.71	2
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.4344G	13.32	-16.68	31.15M	-17.37	2.39984G	-38.12	2.48542G	-29.96	16.46852G	-41.78	1

Result

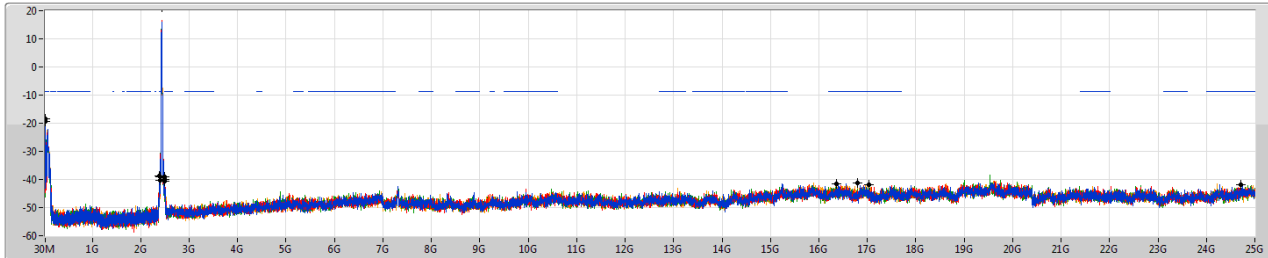
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.40	2.3944G	-40.30	2.49638G	-40.69	16.35779G	-41.46	1
2412MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.23	2.39992G	-40.43	2.4931G	-40.10	24.71062G	-42.01	2
2412MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.52	2.3992G	-39.04	2.48398G	-40.53	17.02646G	-41.97	3
2412MHz	Pass	2.43073G	21.34	-8.66	31.17M	-18.42	2.3912G	-38.71	2.48558G	-39.15	16.8017G	-41.36	4
2437MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.14	2.39448G	-27.87	2.48382G	-28.98	16.89441G	-41.26	1
2437MHz	Pass	2.43073G	21.34	-8.66	31.17M	-18.33	2.3996G	-25.85	2.48966G	-31.46	16.94498G	-41.71	2
2437MHz	Pass	2.43073G	21.34	-8.66	31.17M	-20.62	2.39816G	-25.02	2.48454G	-29.15	24.764G	-41.17	3
2437MHz	Pass	2.43073G	21.34	-8.66	31.17M	-18.45	2.39872G	-24.87	2.48446G	-30.59	17.31304G	-40.86	4
2462MHz	Pass	2.43073G	21.34	-8.66	31.17M	-18.54	2.3956G	-42.23	2.48374G	-28.13	16.87194G	-41.73	1
2462MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.31	2.3992G	-44.17	2.48566G	-29.63	24.92695G	-41.90	2
2462MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.30	2.39984G	-42.27	2.48366G	-27.76	16.4196G	-41.89	3
2462MHz	Pass	2.43073G	21.34	-8.66	31.17M	-19.48	2.39808G	-43.73	2.4839G	-27.35	16.56288G	-41.23	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	13.32	-16.68	31.15M	-18.76	2.3992G	-31.73	2.48798G	-42.27	24.96915G	-41.68	1
2422MHz	Pass	2.4344G	13.32	-16.68	31.15M	-19.96	2.3992G	-31.21	2.48766G	-39.28	24.80088G	-41.76	2
2422MHz	Pass	2.4344G	13.32	-16.68	31.15M	-21.46	2.39904G	-28.78	2.48494G	-40.42	16.9481G	-39.92	3
2422MHz	Pass	2.4344G	13.32	-16.68	31.15M	-19.09	2.39936G	-27.27	2.48478G	-40.29	16.50218G	-40.99	4
2437MHz	Pass	2.4344G	13.32	-16.68	31.15M	-18.82	2.39824G	-31.21	2.48382G	-36.78	24.9411G	-41.37	1
2437MHz	Pass	2.4344G	13.32	-16.68	31.15M	-18.96	2.39968G	-34.03	2.48478G	-37.93	16.49657G	-41.70	2
2437MHz	Pass	2.4344G	13.32	-16.68	31.15M	-20.43	2.39968G	-28.75	2.48366G	-37.20	24.91306G	-41.77	3
2437MHz	Pass	2.4344G	13.32	-16.68	31.15M	-17.66	2.39632G	-31.98	2.48478G	-36.79	16.32549G	-41.82	4
2452MHz	Pass	2.4344G	13.32	-16.68	31.15M	-17.37	2.39984G	-38.12	2.48542G	-29.96	16.46852G	-41.78	1
2452MHz	Pass	2.4344G	13.32	-16.68	31.15M	-18.86	2.39984G	-35.15	2.48446G	-30.57	16.43767G	-42.29	2
2452MHz	Pass	2.4344G	13.32	-16.68	31.15M	-19.22	2.39952G	-35.82	2.48542G	-30.23	24.3213G	-41.53	3
2452MHz	Pass	2.4344G	13.32	-16.68	31.15M	-19.14	2.39984G	-36.59	2.48542G	-27.36	24.79807G	-41.50	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

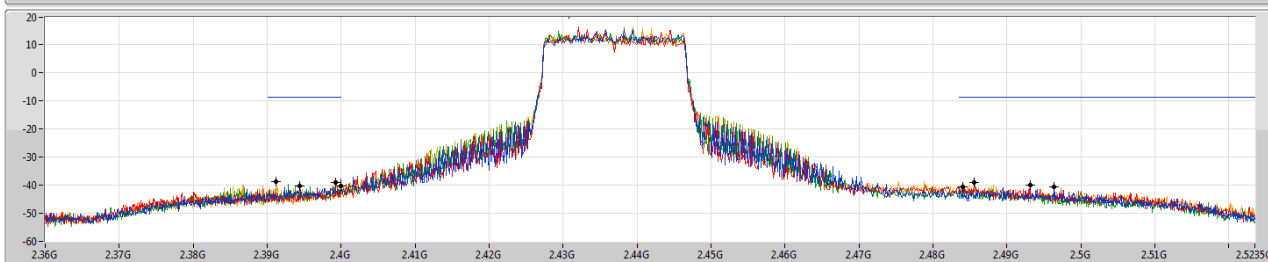
2412MHz

CSE NdB

29/06/2019



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



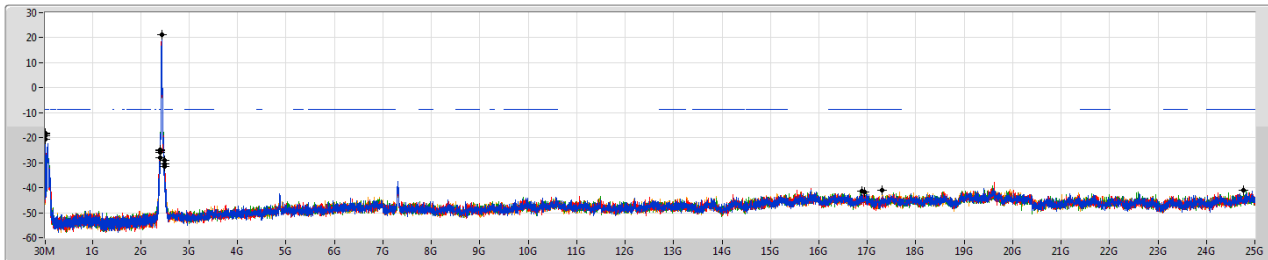
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	21.34	-8.66	31.17M	-19.40	2.3944G	-40.30	2.49638G	-40.69	16.35779G	-41.46	1
2.43073G	21.34	-8.66	31.17M	-19.23	2.39992G	-40.43	2.4931G	-40.10	24.71062G	-42.01	2
2.43073G	21.34	-8.66	31.17M	-19.52	2.3992G	-39.04	2.48398G	-40.53	17.02646G	-41.97	3
2.43073G	21.34	-8.66	31.17M	-18.42	2.3912G	-38.71	2.48558G	-39.15	16.8017G	-41.36	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

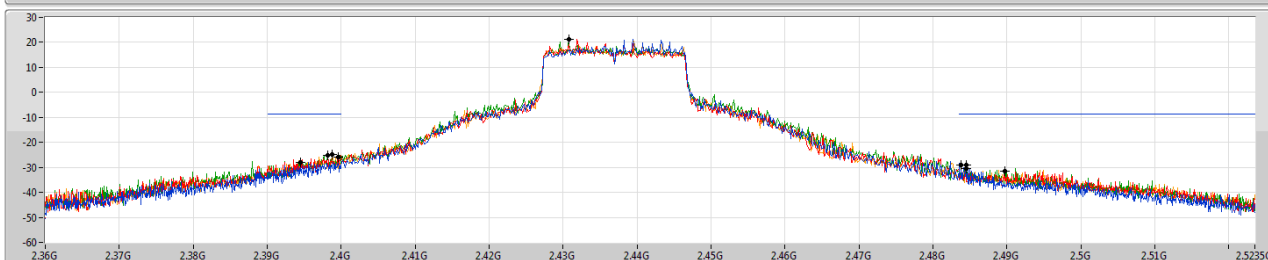
2437MHz

CSE NdB

29/06/2019



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



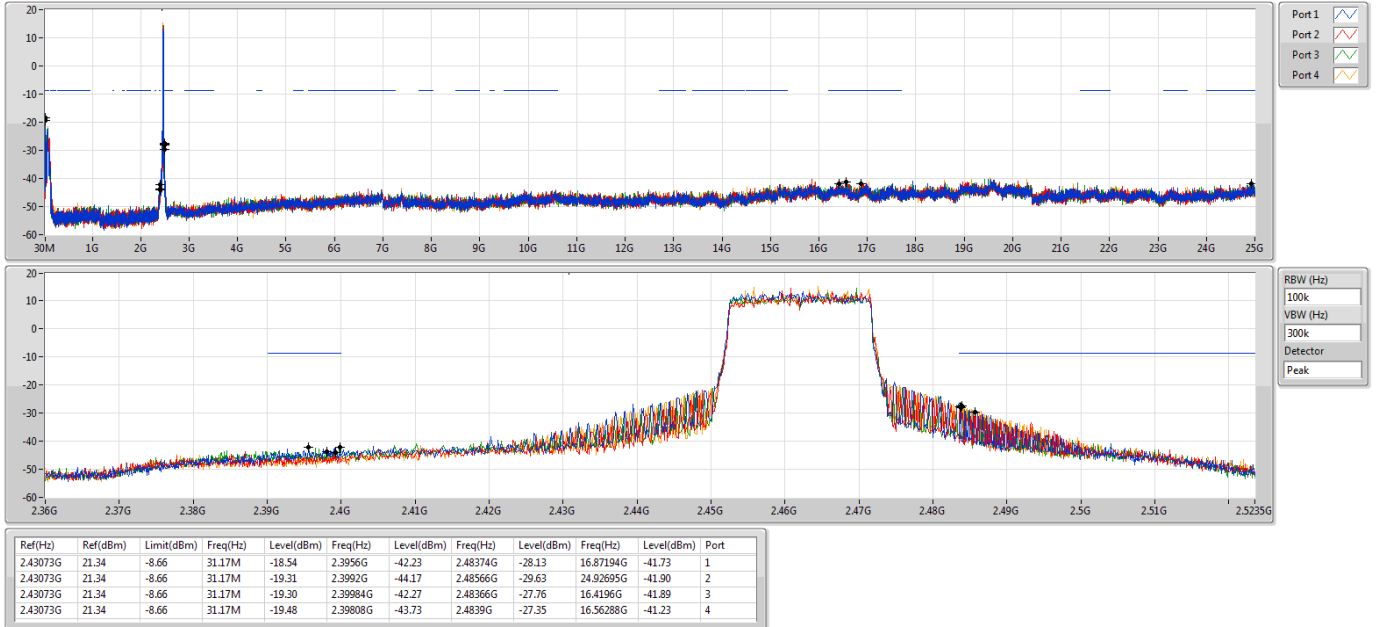
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	21.34	-8.66	31.17M	-19.14	2.39448G	-27.87	2.48382G	-28.98	16.89441G	-41.26	1
2.43073G	21.34	-8.66	31.17M	-18.33	2.3996G	-25.85	2.48966G	-31.46	16.94498G	-41.71	2
2.43073G	21.34	-8.66	31.17M	-20.62	2.39816G	-25.02	2.48454G	-29.15	24.764G	-41.17	3
2.43073G	21.34	-8.66	31.17M	-18.45	2.39872G	-24.87	2.48446G	-30.59	17.31304G	-40.86	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSE NdB

2462MHz

29/06/2019

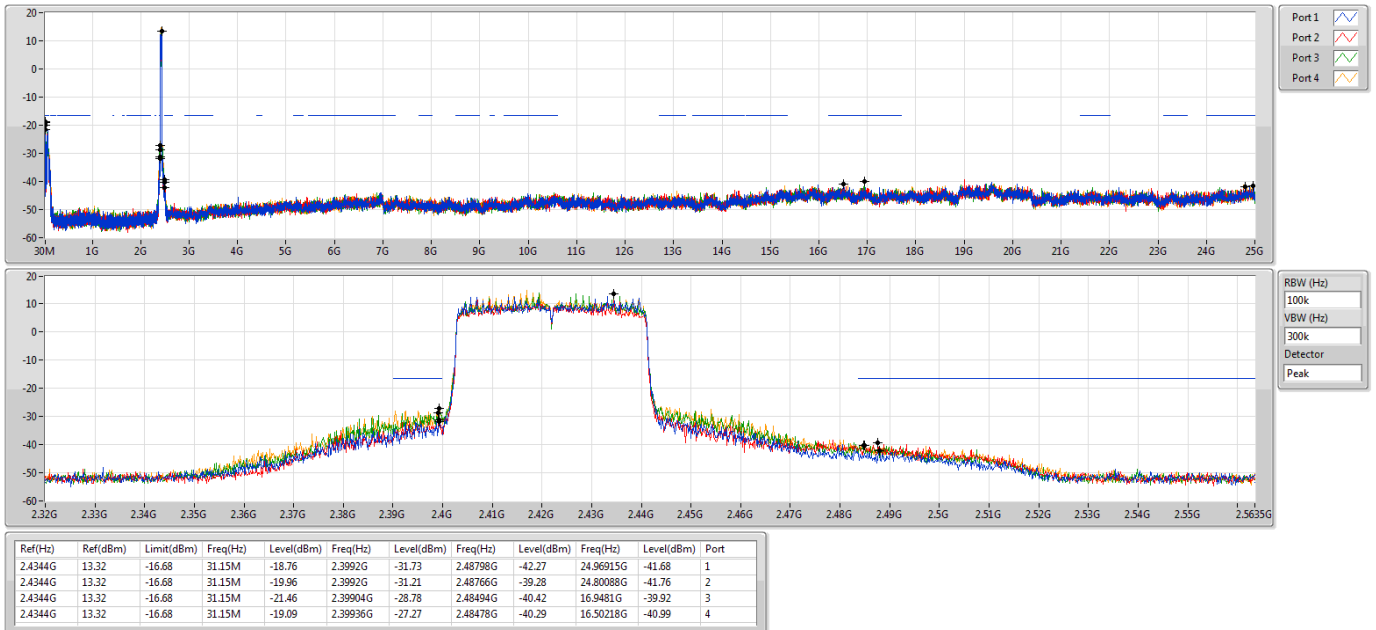


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2422MHz

29/06/2019

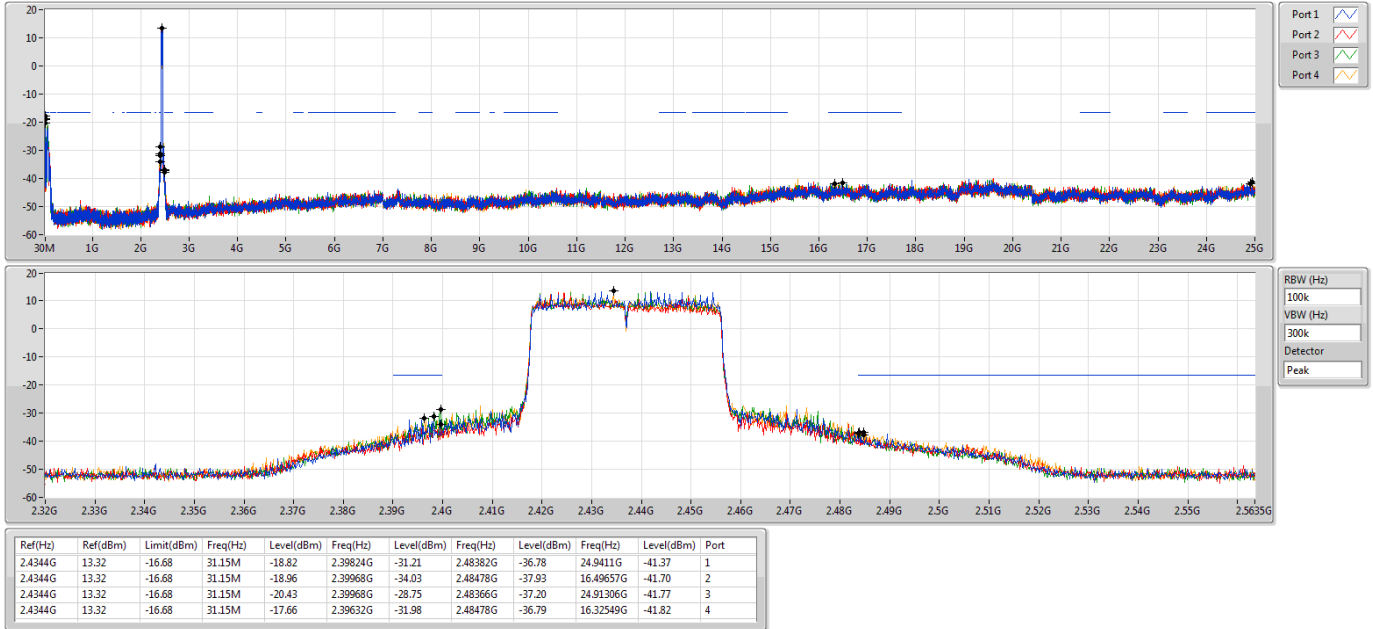


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

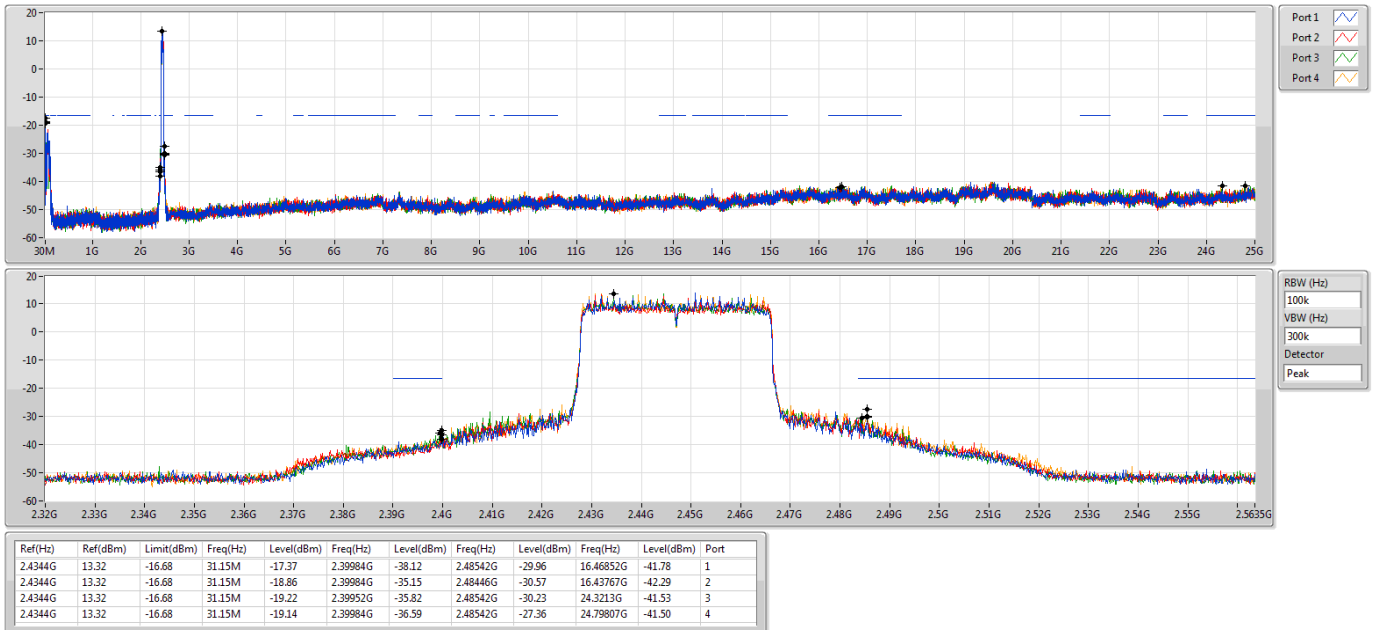


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019





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	2.43824G	7.34	-22.66	2.18176G	-43.10	2.3985G	-31.63	2.49864G	-40.97	24.63476G	-33.72	4
802.11ax HEW40_Nss4,(MCS0)_4TX	Pass	2.43198G	0.80	-29.20	812.89M	-43.32	2.39916G	-41.73	2.51306G	-42.38	16.35073G	-33.34	3



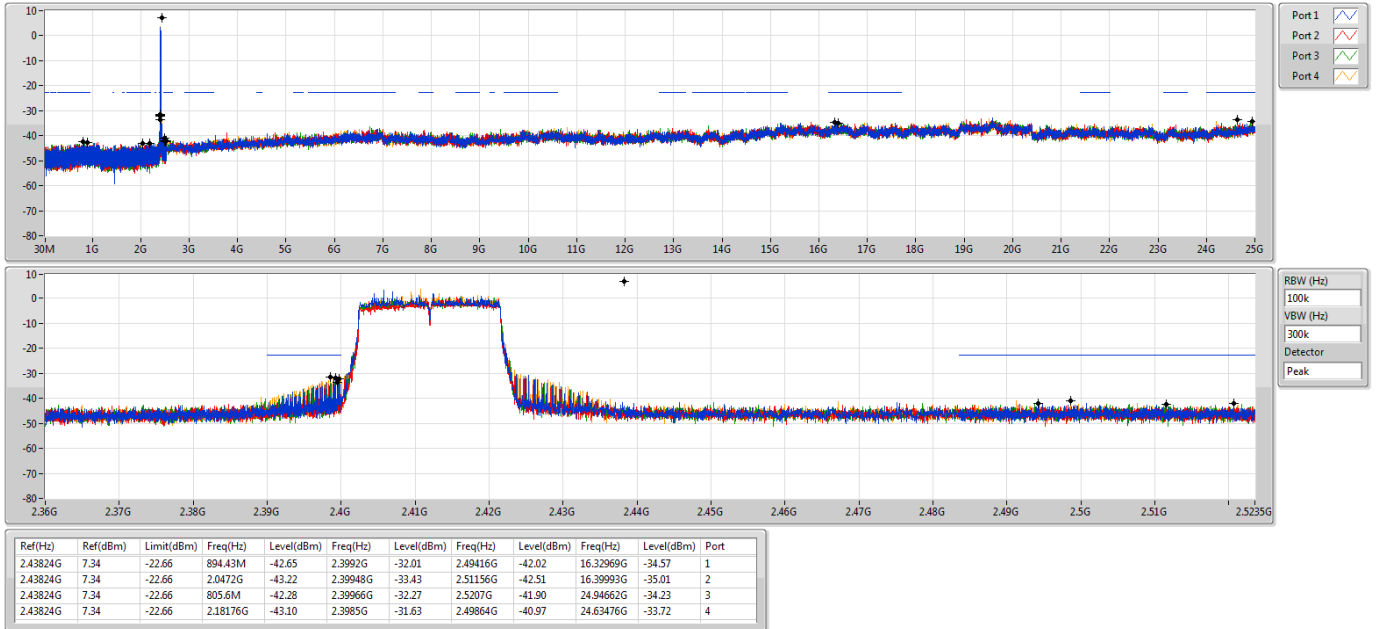
Result

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	2.43824G	7.34	-22.66	894.43M	-42.65	2.3992G	-32.01	2.49416G	-42.02	16.32969G	-34.57	1
2412MHz	Pass	2.43824G	7.34	-22.66	2.0472G	-43.22	2.39948G	-33.43	2.51156G	-42.51	16.39993G	-35.01	2
2412MHz	Pass	2.43824G	7.34	-22.66	805.6M	-42.28	2.39966G	-32.27	2.5207G	-41.90	24.94662G	-34.23	3
2412MHz	Pass	2.43824G	7.34	-22.66	2.18176G	-43.10	2.3985G	-31.63	2.49864G	-40.97	24.63476G	-33.72	4
2437MHz	Pass	2.43824G	7.34	-22.66	812.01M	-43.04	2.3905G	-42.56	2.49562G	-40.49	15.17496G	-34.12	1
2437MHz	Pass	2.43824G	7.34	-22.66	955.3M	-42.58	2.39668G	-40.80	2.484G	-40.22	17.49566G	-34.96	2
2437MHz	Pass	2.43824G	7.34	-22.66	768.32M	-41.99	2.39814G	-39.85	2.4847G	-40.05	17.48723G	-34.78	3
2437MHz	Pass	2.43824G	7.34	-22.66	705.41M	-42.35	2.39954G	-41.78	2.49658G	-40.21	24.71342G	-33.99	4
2462MHz	Pass	2.43824G	7.34	-22.66	637.26M	-42.77	2.3907G	-42.12	2.48522G	-37.71	16.50107G	-34.05	1
2462MHz	Pass	2.43824G	7.34	-22.66	2.09758G	-42.62	2.39668G	-43.37	2.48354G	-37.43	24.99719G	-34.24	2
2462MHz	Pass	2.43824G	7.34	-22.66	655.9M	-42.47	2.39338G	-42.74	2.4857G	-37.62	15.3042G	-34.65	3
2462MHz	Pass	2.43824G	7.34	-22.66	886.57M	-42.94	2.39266G	-43.03	2.48398G	-36.32	16.2454G	-33.74	4
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	0.80	-29.20	1.93299G	-42.75	2.39744G	-43.19	2.50938G	-42.29	17.4417G	-33.84	1
2422MHz	Pass	2.43198G	0.80	-29.20	947.72M	-42.84	2.3944G	-43.07	2.51438G	-42.08	16.54985G	-34.42	2
2422MHz	Pass	2.43198G	0.80	-29.20	956.59M	-42.29	2.39476G	-43.24	2.53974G	-42.41	16.38719G	-34.36	3
2422MHz	Pass	2.43198G	0.80	-29.20	875.58M	-42.29	2.39724G	-41.71	2.4943G	-41.18	24.92428G	-34.81	4
2437MHz	Pass	2.43198G	0.80	-29.20	432.18M	-43.09	2.39816G	-42.27	2.48446G	-41.89	17.60717G	-34.73	1
2437MHz	Pass	2.43198G	0.80	-29.20	914.51M	-43.11	2.39724G	-42.89	2.54606G	-41.97	24.82612G	-34.58	2
2437MHz	Pass	2.43198G	0.80	-29.20	812.89M	-43.32	2.39916G	-41.73	2.51306G	-42.38	16.35073G	-33.34	3
2437MHz	Pass	2.43198G	0.80	-29.20	1.96763G	-42.83	2.39364G	-43.15	2.52014G	-41.49	16.27781G	-34.35	4
2452MHz	Pass	2.43198G	0.80	-29.20	899.63M	-43.09	2.39488G	-43.70	2.55378G	-41.85	24.89904G	-33.42	1
2452MHz	Pass	2.43198G	0.80	-29.20	801.73M	-42.12	2.39044G	-43.13	2.50514G	-42.29	16.86677G	-34.27	2
2452MHz	Pass	2.43198G	0.80	-29.20	676.64M	-42.08	2.39932G	-43.17	2.5175G	-41.42	24.9383G	-33.79	3
2452MHz	Pass	2.43198G	0.80	-29.20	725.02M	-42.69	2.3946G	-43.51	2.48826G	-42.04	24.34373G	-34.76	4

802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

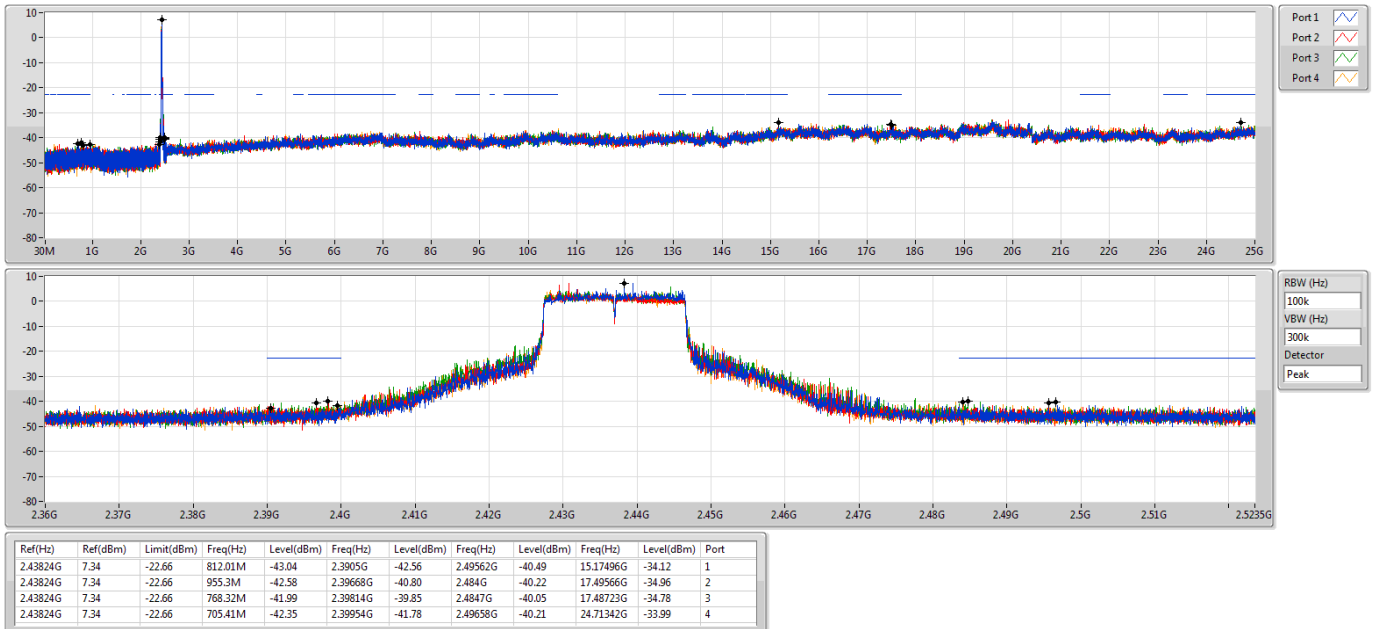
2412MHz



802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

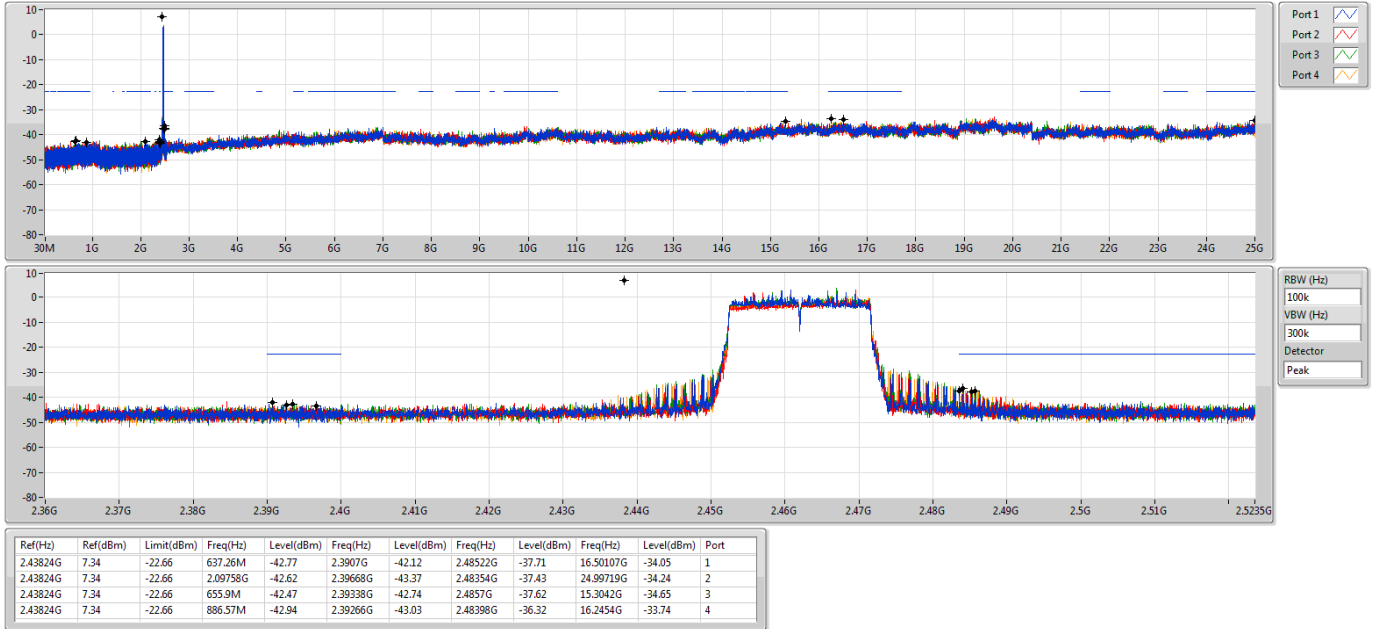
2437MHz



802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

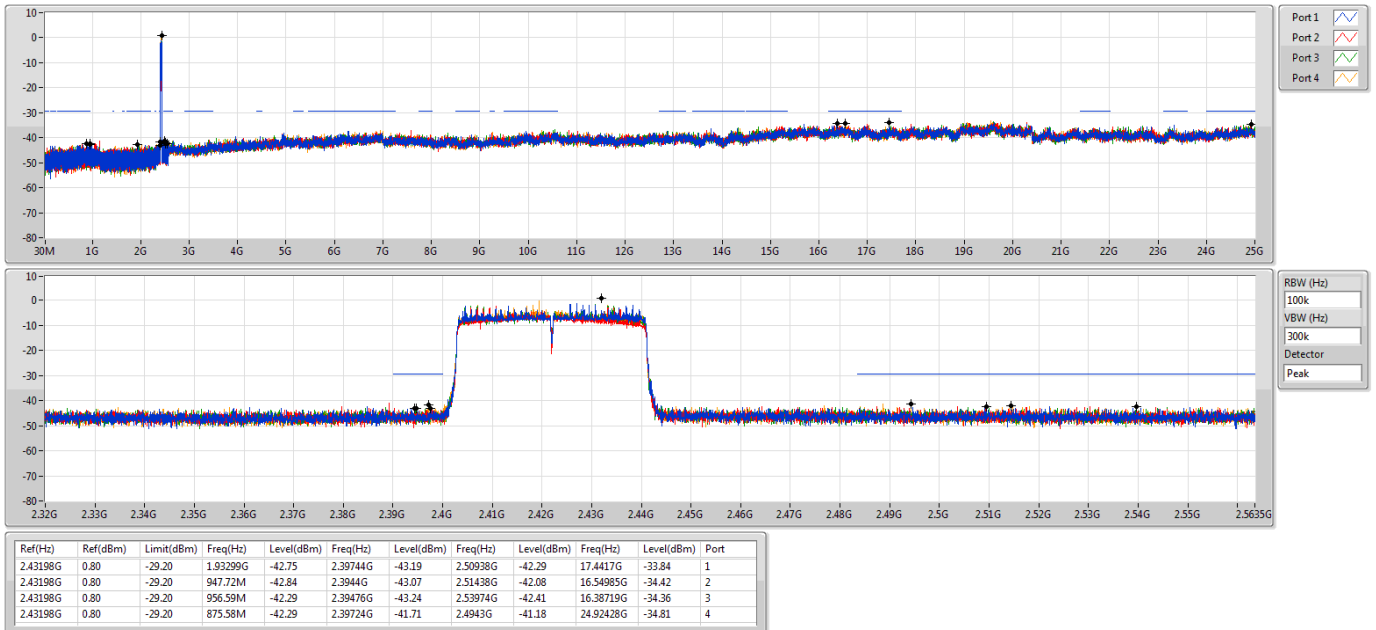
2462MHz



802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2422MHz

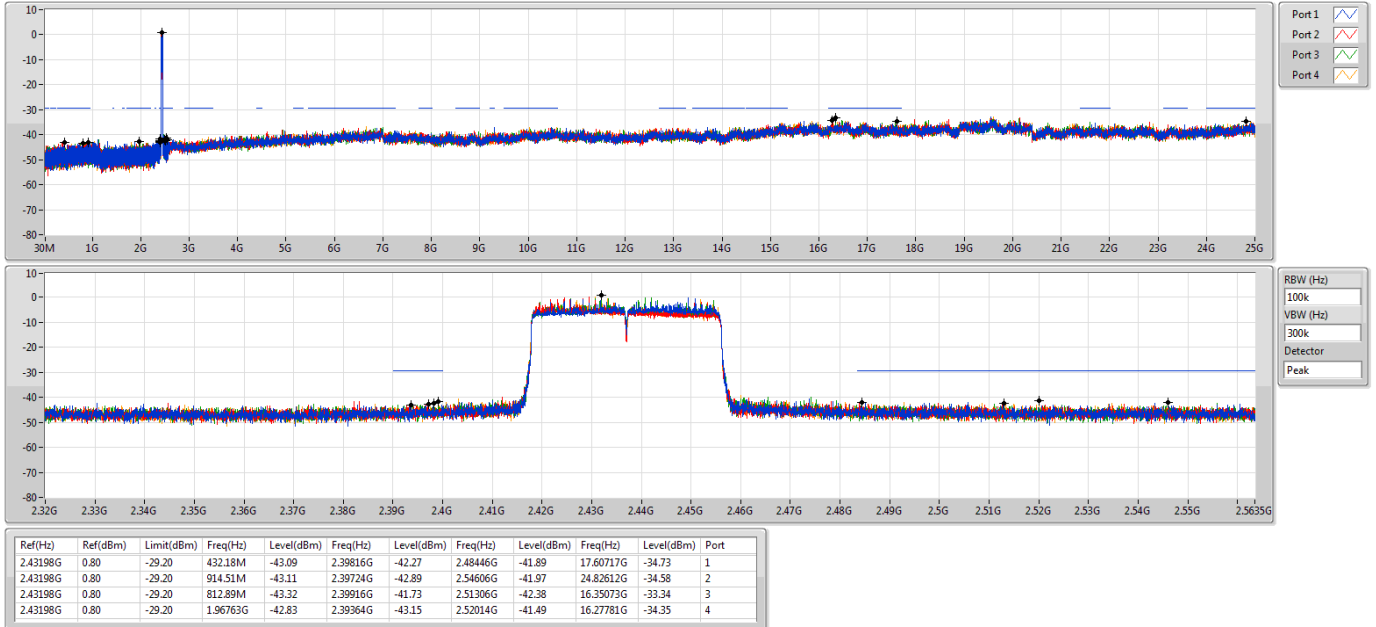


802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

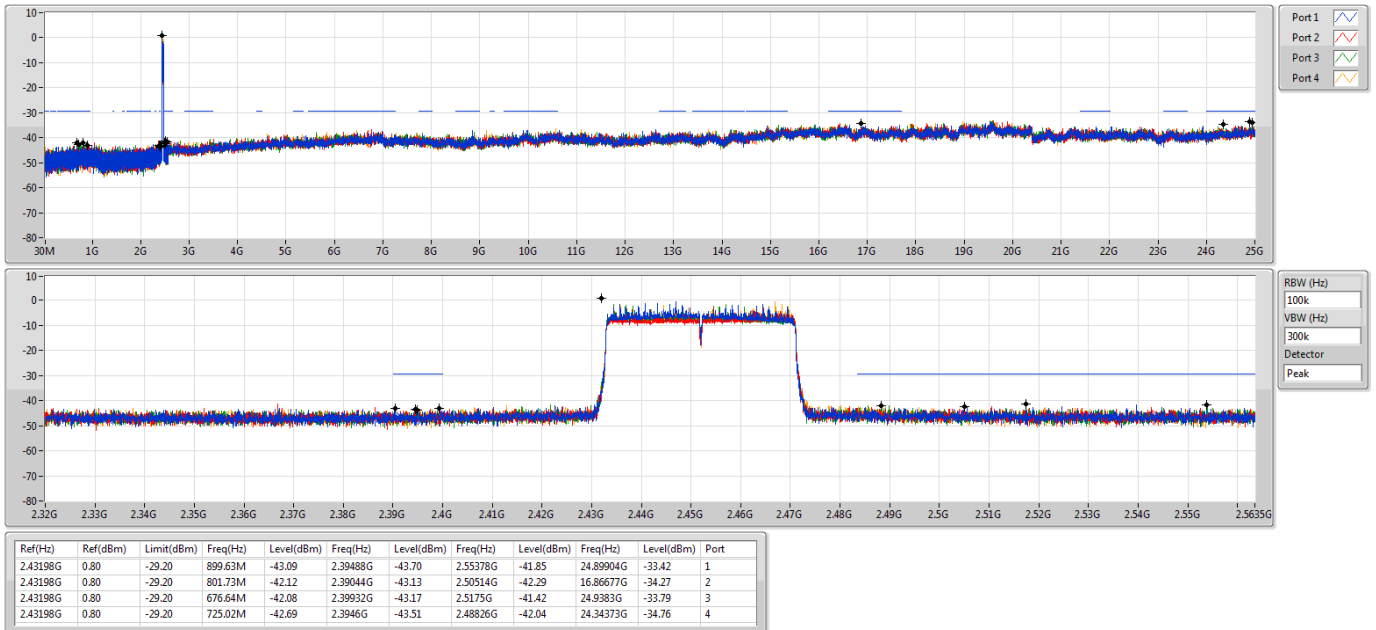


802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019



For Mode 2: (Ant. 7 Omni antenna / 4 dBi)

For Non-beamforming / 1T1S mode

Summary

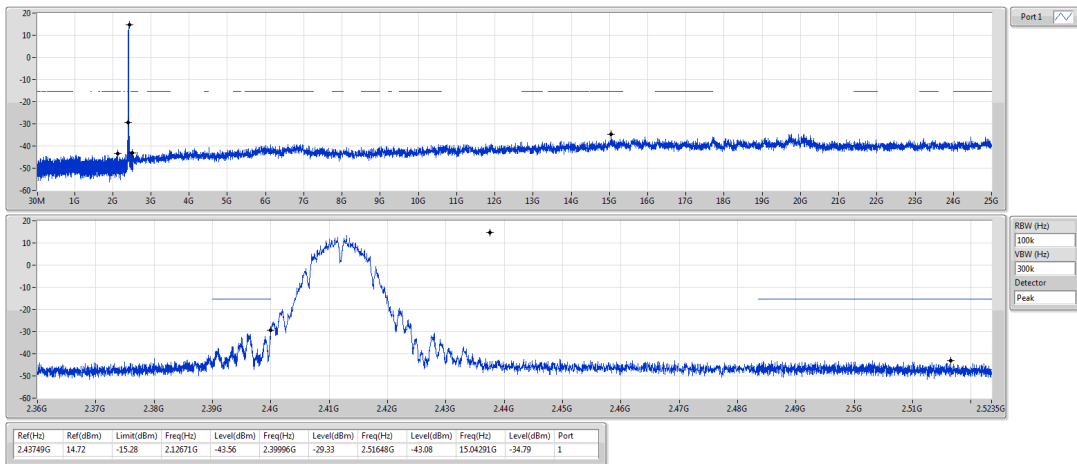
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	14.72	-15.28	2.12671G	-43.56	2.39996G	-29.33	2.51648G	-43.08	15.04291G	-34.79	1
802.11g_Nss1,(6Mbps)_1TX	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

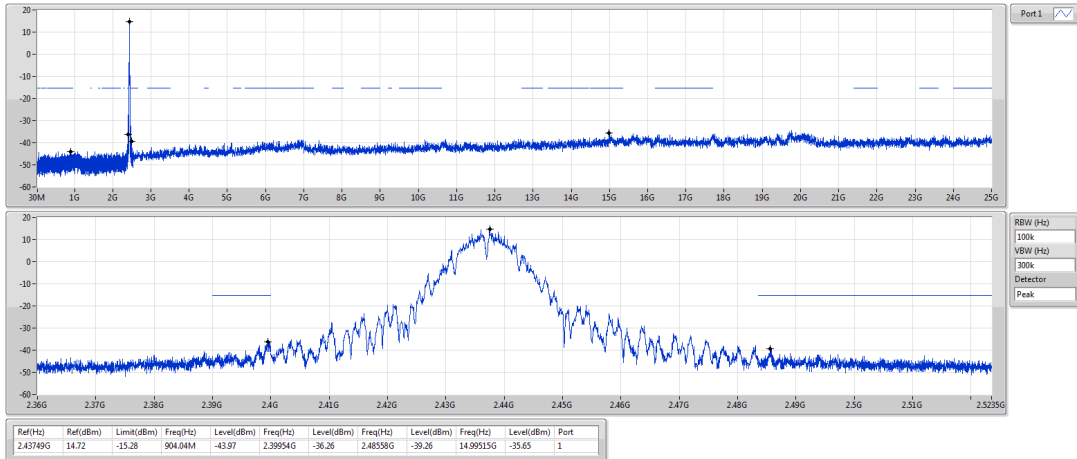
802.11b_Nss1,(1Mbps)_1TX
2412MHz

CSE NdB



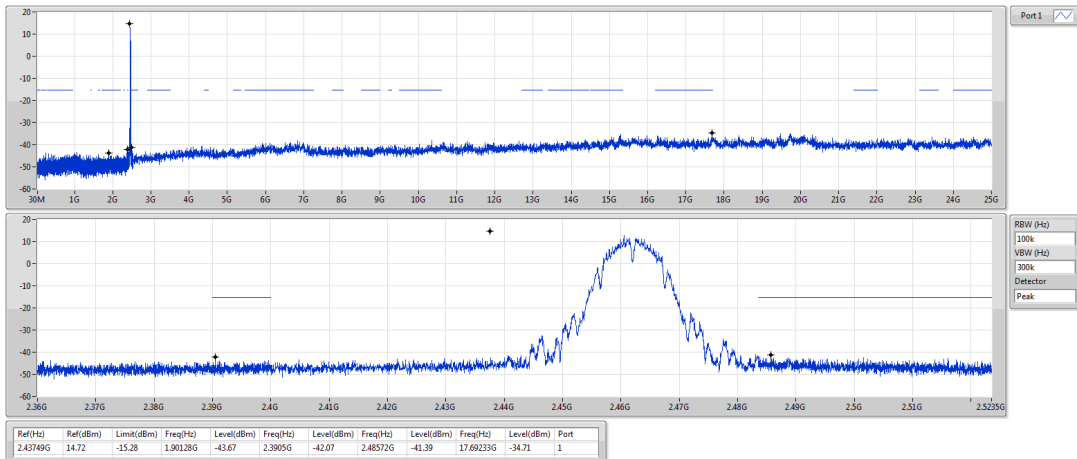
802.11b_Nss1,(1Mbps)_1TX
2437MHz

CSE NdB



802.11b_Nss1,(1Mbps)_1TX
2462MHz

CSE NdB

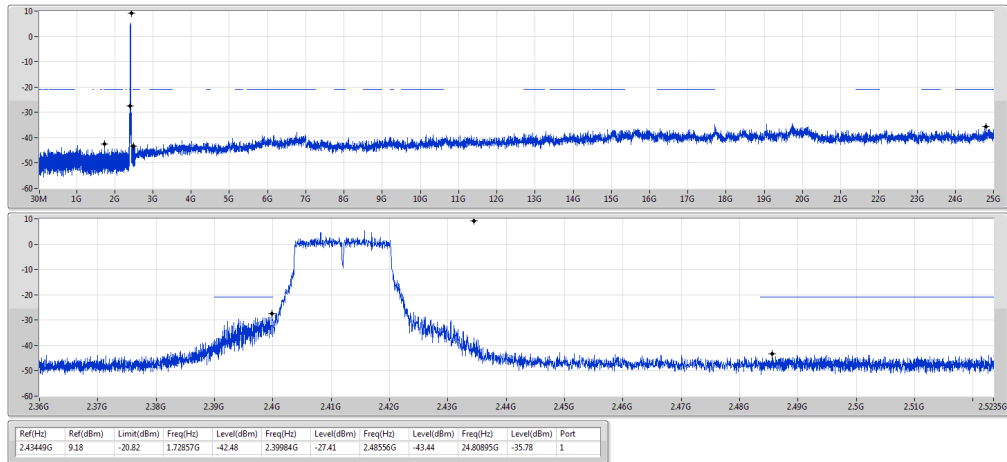


802.11g_Nss1,(6Mbps)_1TX 2412MHz

CSE NdB

31.01.2019

Port 1

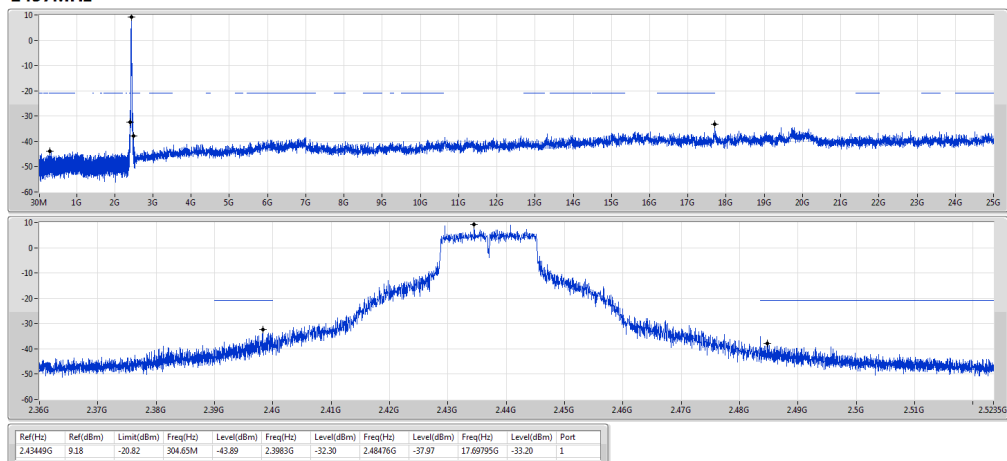


802.11g_Nss1,(6Mbps)_1TX 2437MHz

CSE NdB

31.01.2019

Port 1

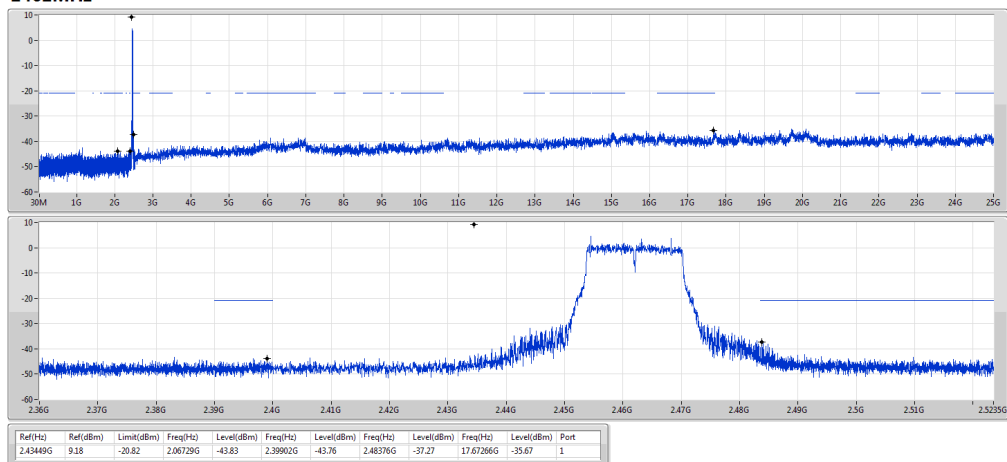


802.11g_Nss1,(6Mbps)_1TX 2462MHz

CSE NdB

31.01.2019

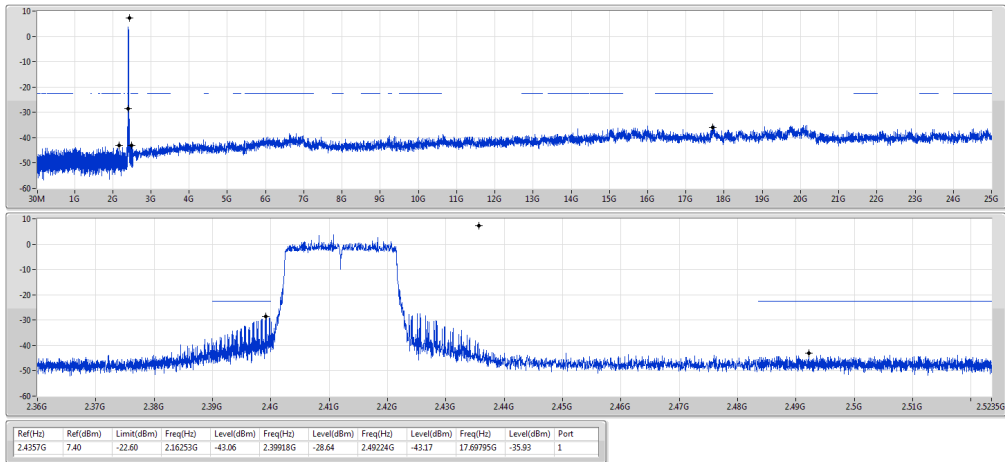
Port 1



802.11ax HEW20_Nss1,(MCS0)_1TX
2412MHz

CSE NdB

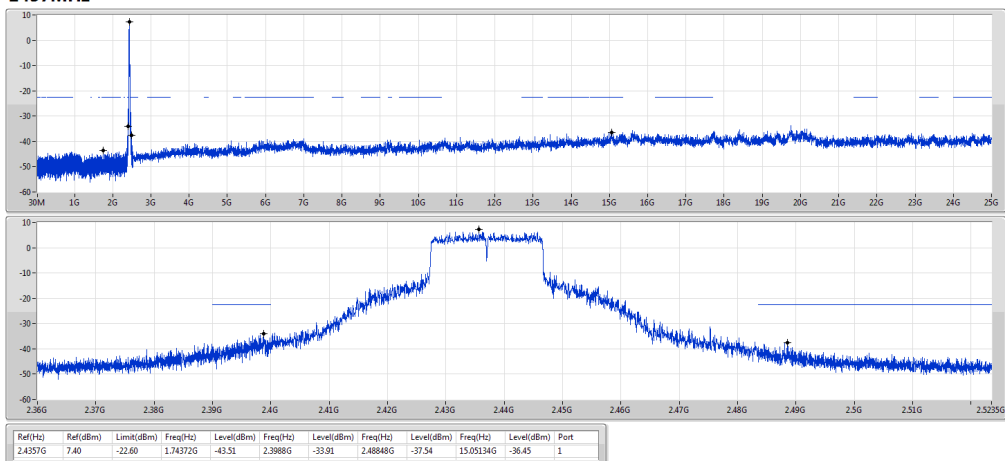
31.01.2019



802.11ax HEW20_Nss1,(MCS0)_1TX
2437MHz

CSE NdB

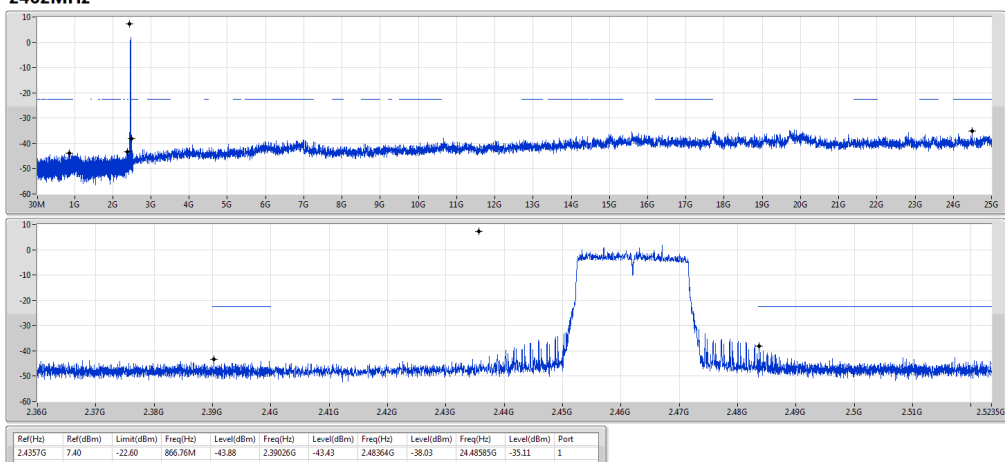
31.01.2019



802.11ax HEW20_Nss1,(MCS0)_1TX
2462MHz

CSE NdB

31.01.2019

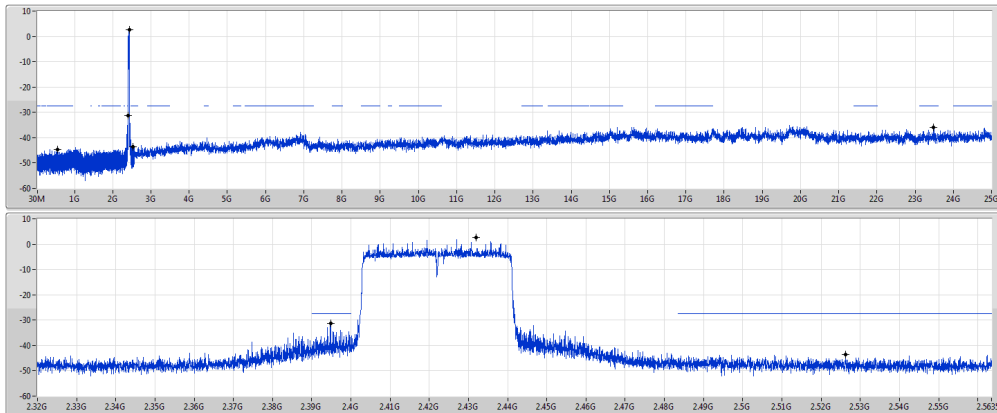


802.11ax HEW40_Nss1,(MCS0)_1TX
2422MHz

CSE NdB

31.01.2019

Port 1

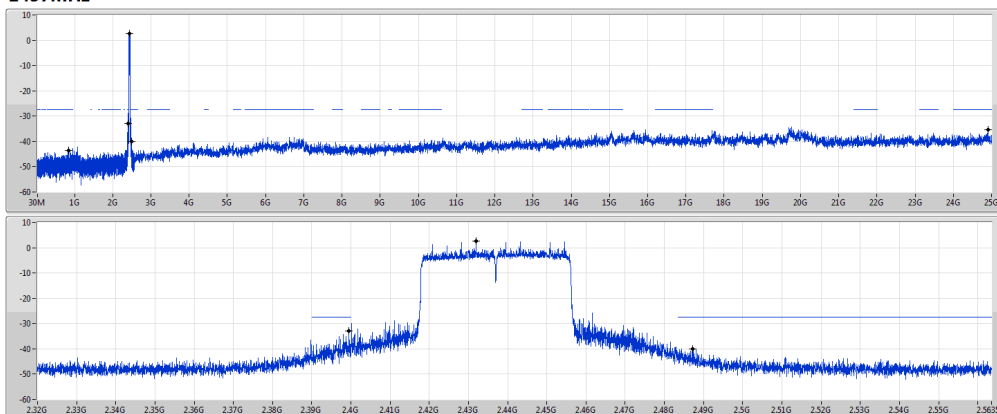


802.11ax HEW40_Nss1,(MCS0)_1TX
2437MHz

CSE NdB

31.01.2019

Port 1

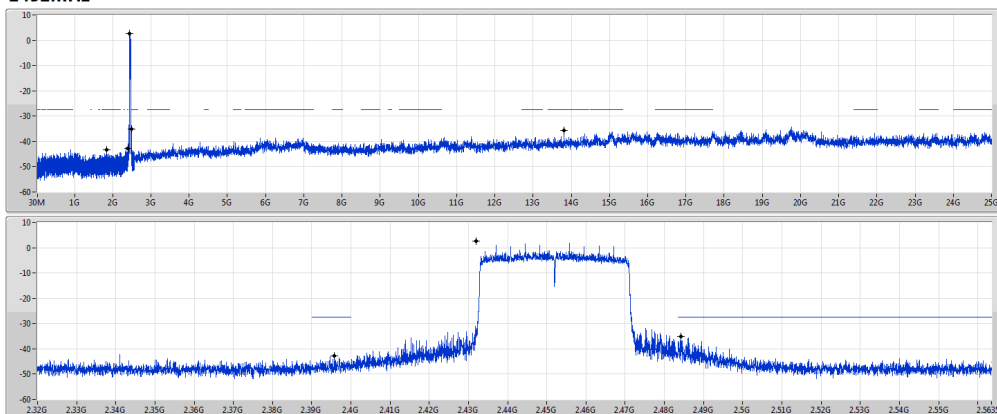


802.11ax HEW40_Nss1,(MCS0)_1TX
2452MHz

CSE NdB

31.01.2019

Port 1



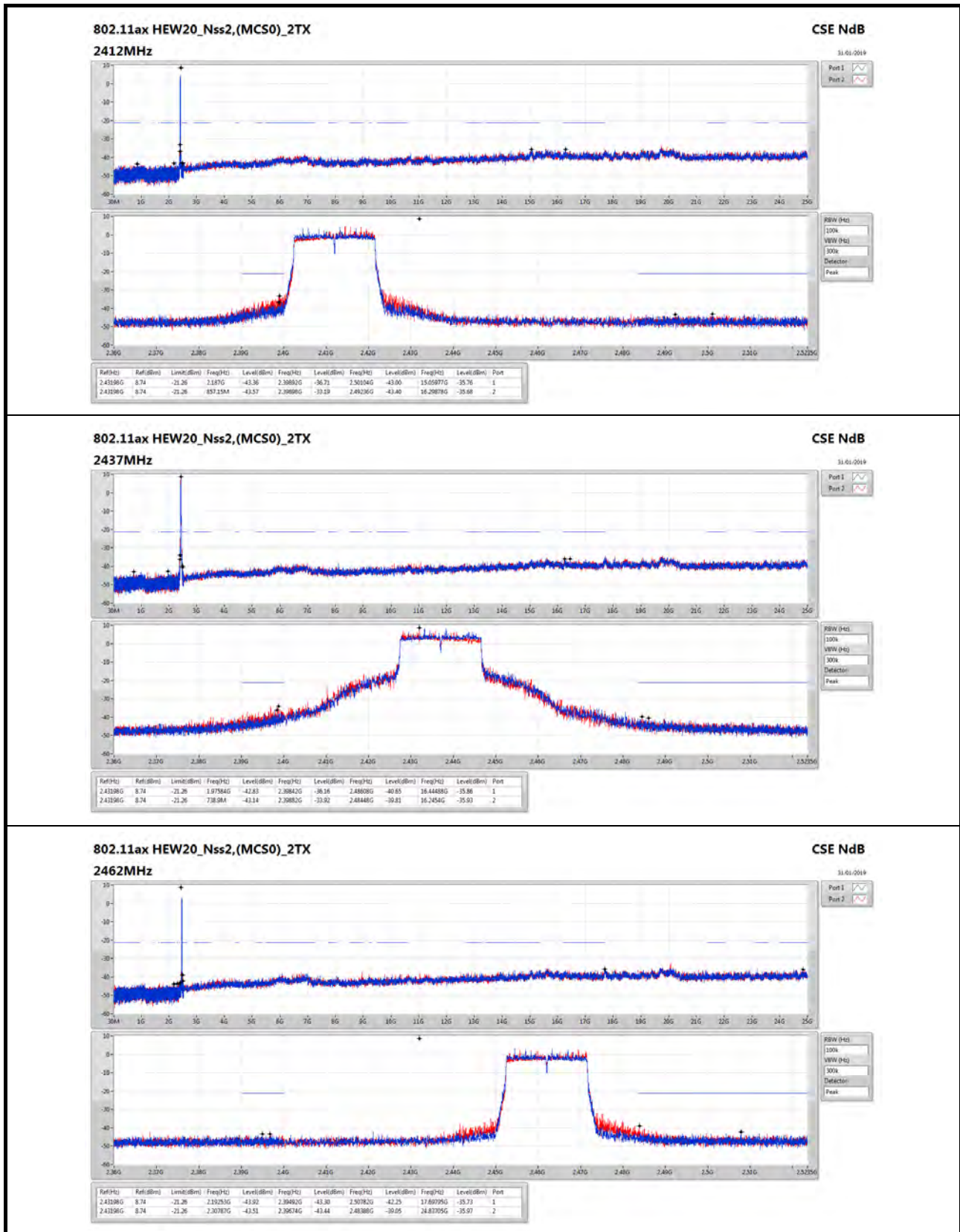
For Non-beamforming / 2T2S mode

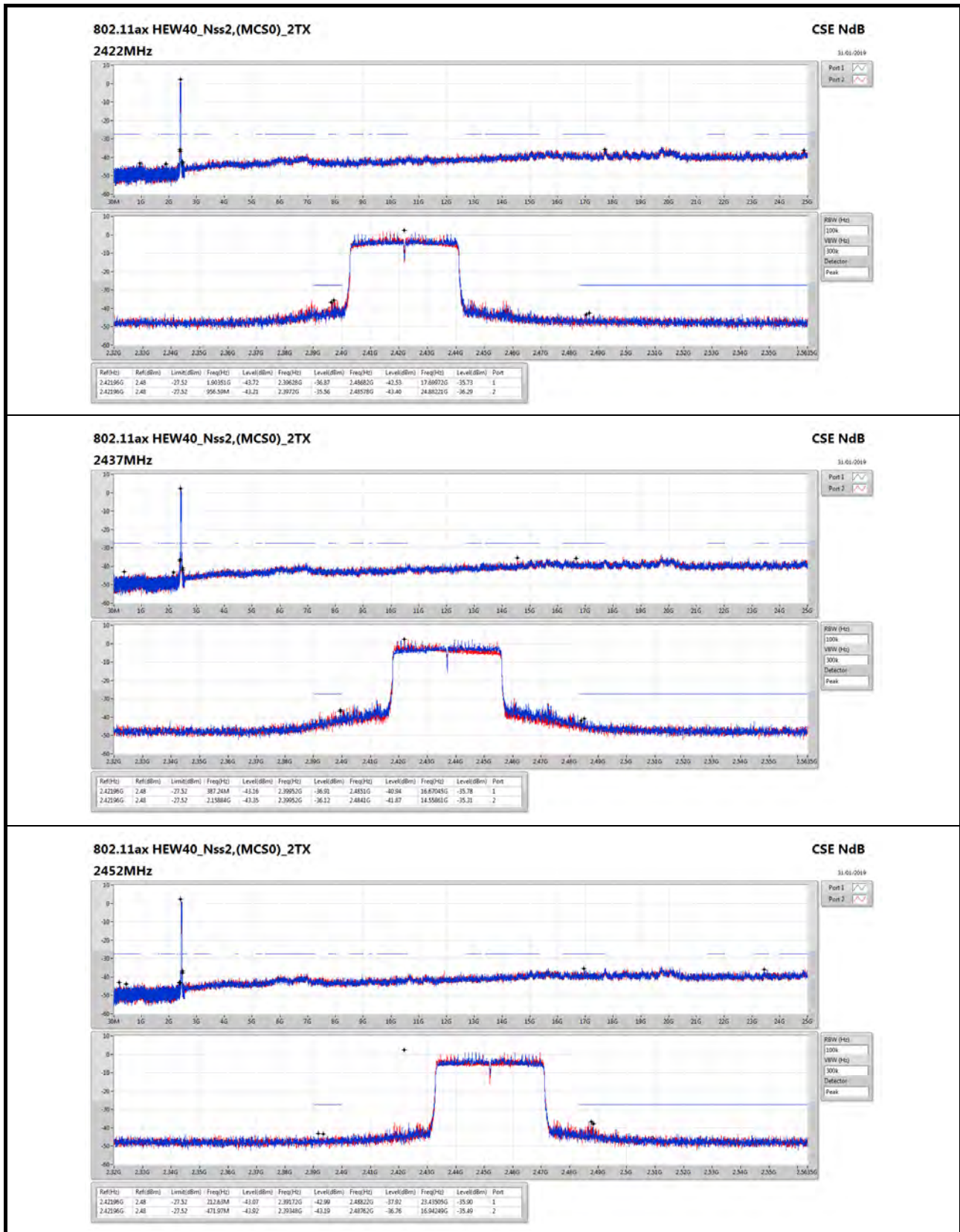
Summary

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





**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	2.43745G	14.36	-15.64	1.72915G	-42.44	2.39898G	-31.61	2.49412G	-41.02	24.87638G	-35.15	4
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43824G	8.41	-21.59	865.31M	-43.03	2.39746G	-42.84	2.50032G	-41.35	15.25925G	-33.44	3
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43198G	6.95	-23.05	2.08535G	-42.22	2.39944G	-33.34	2.51488G	-40.91	17.3917G	-34.72	3
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43198G	1.77	-28.23	929.4M	-42.90	2.39516G	-39.36	2.51566G	-42.23	16.61716G	-33.58	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	2.43745G	14.36	-15.64	584.25M	-42.31	2.39998G	-32.28	2.4908G	-41.89	24.6769G	-34.43	1
2412MHz	Pass	2.43745G	14.36	-15.64	753.47M	-43.46	2.39998G	-32.84	2.50986G	-42.30	14.99234G	-34.80	2
2412MHz	Pass	2.43745G	14.36	-15.64	2.30233G	-42.67	2.39994G	-31.71	2.48804G	-41.96	15.2171G	-34.76	3
2412MHz	Pass	2.43745G	14.36	-15.64	1.72915G	-42.44	2.39898G	-31.61	2.49412G	-41.02	24.87638G	-35.15	4
2437MHz	Pass	2.43745G	14.36	-15.64	849M	-42.59	2.3944G	-41.48	2.51032G	-41.07	16.56007G	-34.24	1
2437MHz	Pass	2.43745G	14.36	-15.64	937.24M	-43.01	2.3942G	-42.55	2.48492G	-40.08	17.57714G	-34.72	2
2437MHz	Pass	2.43745G	14.36	-15.64	803.27M	-42.40	2.39982G	-40.60	2.4964G	-40.43	14.93615G	-34.72	3
2437MHz	Pass	2.43745G	14.36	-15.64	2.14389G	-42.92	2.3924G	-41.81	2.48596G	-41.06	16.40555G	-33.78	4
2462MHz	Pass	2.43745G	14.36	-15.64	1.93274G	-41.58	2.3995G	-41.27	2.50548G	-41.49	16.43083G	-34.44	1
2462MHz	Pass	2.43745G	14.36	-15.64	2.09322G	-42.92	2.3931G	-42.90	2.50828G	-41.07	16.62188G	-34.51	2
2462MHz	Pass	2.43745G	14.36	-15.64	1.84391G	-42.85	2.39678G	-42.24	2.48408G	-40.93	16.61908G	-33.63	3
2462MHz	Pass	2.43745G	14.36	-15.64	825.99M	-42.94	2.39412G	-42.38	2.48518G	-40.33	16.56569G	-34.16	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	8.41	-21.59	913.36M	-42.01	2.39962G	-40.51	2.49402G	-41.92	16.92813G	-33.99	1
2412MHz	Pass	2.43824G	8.41	-21.59	684.15M	-42.47	2.3998G	-37.15	2.49834G	-42.35	16.34936G	-34.79	2
2412MHz	Pass	2.43824G	8.41	-21.59	1.79119G	-42.94	2.39818G	-38.18	2.49348G	-41.89	15.19182G	-34.54	3
2412MHz	Pass	2.43824G	8.41	-21.59	776.47M	-42.35	2.39918G	-36.03	2.4913G	-40.34	16.90284G	-34.16	4
2437MHz	Pass	2.43824G	8.41	-21.59	846.08M	-41.90	2.3934G	-38.27	2.48388G	-41.43	16.49264G	-33.50	1
2437MHz	Pass	2.43824G	8.41	-21.59	718.81M	-42.39	2.3986G	-37.94	2.4847G	-40.54	24.94662G	-33.96	2
2437MHz	Pass	2.43824G	8.41	-21.59	461.63M	-42.56	2.3983G	-36.21	2.48486G	-41.18	15.26487G	-34.72	3
2437MHz	Pass	2.43824G	8.41	-21.59	634.93M	-43.16	2.39988G	-36.23	2.49388G	-40.50	17.59118G	-34.42	4
2462MHz	Pass	2.43824G	8.41	-21.59	805.31M	-42.05	2.39166G	-42.46	2.49016G	-41.57	24.90447G	-34.16	1
2462MHz	Pass	2.43824G	8.41	-21.59	690.26M	-42.29	2.3911G	-43.00	2.5076G	-41.93	16.49545G	-34.95	2
2462MHz	Pass	2.43824G	8.41	-21.59	865.31M	-43.03	2.39746G	-42.84	2.50032G	-41.35	15.25925G	-33.44	3
2462MHz	Pass	2.43824G	8.41	-21.59	1.84478G	-42.76	2.3954G	-42.89	2.48872G	-41.99	24.60385G	-35.06	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	6.95	-23.05	902.88M	-42.21	2.39944G	-34.95	2.49464G	-41.11	16.4786G	-34.68	1
2412MHz	Pass	2.43198G	6.95	-23.05	774.73M	-41.94	2.39978G	-36.03	2.5055G	-41.50	24.89886G	-34.06	2
2412MHz	Pass	2.43198G	6.95	-23.05	2.08535G	-42.22	2.39944G	-33.34	2.51488G	-40.91	17.3917G	-34.72	3
2412MHz	Pass	2.43198G	6.95	-23.05	821.33M	-42.94	2.39996G	-34.08	2.4868G	-41.50	16.49264G	-34.37	4
2437MHz	Pass	2.43198G	6.95	-23.05	2.12088G	-43.34	2.39932G	-41.33	2.52218G	-41.96	15.20587G	-34.15	1
2437MHz	Pass	2.43198G	6.95	-23.05	1.9406G	-42.98	2.39954G	-41.91	2.48648G	-40.38	24.96909G	-34.43	2
2437MHz	Pass	2.43198G	6.95	-23.05	868.22M	-42.56	2.39984G	-42.32	2.50578G	-41.48	23.30583G	-34.91	3
2437MHz	Pass	2.43198G	6.95	-23.05	860.06M	-42.87	2.39986G	-40.72	2.52234G	-40.64	16.56569G	-34.06	4
2462MHz	Pass	2.43198G	6.95	-23.05	865.6M	-42.41	2.39134G	-43.47	2.5175G	-42.53	16.99556G	-34.28	1
2462MHz	Pass	2.43198G	6.95	-23.05	813.75M	-42.87	2.3938G	-43.17	2.4984G	-41.56	17.05737G	-34.90	2
2462MHz	Pass	2.43198G	6.95	-23.05	652.4M	-41.76	2.39166G	-43.02	2.49556G	-41.48	15.29296G	-34.35	3
2462MHz	Pass	2.43198G	6.95	-23.05	2.0871G	-43.05	2.39086G	-42.57	2.51858G	-42.14	24.93819G	-34.66	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	1.77	-28.23	929.4M	-42.90	2.39516G	-39.36	2.51566G	-42.23	16.61716G	-33.58	1
2422MHz	Pass	2.43198G	1.77	-28.23	814.61M	-43.27	2.39712G	-40.01	2.50462G	-42.12	24.82051G	-34.74	2
2422MHz	Pass	2.43198G	1.77	-28.23	2.12048G	-41.69	2.397G	-38.86	2.53318G	-41.73	24.71393G	-34.35	3
2422MHz	Pass	2.43198G	1.77	-28.23	751.35M	-42.75	2.39464G	-36.28	2.54078G	-41.51	21.67379G	-34.58	4
2437MHz	Pass	2.43198G	1.77	-28.23	847.24M	-42.11	2.396G	-41.03	2.48382G	-41.11	24.34093G	-34.18	1
2437MHz	Pass	2.43198G	1.77	-28.23	779.4M	-43.27	2.39824G	-39.56	2.49934G	-42.33	15.30463G	-34.29	2
2437MHz	Pass	2.43198G	1.77	-28.23	1.94873G	-43.13	2.39608G	-40.14	2.48778G	-39.72	16.59753G	-35.06	3
2437MHz	Pass	2.43198G	1.77	-28.23	356.04M	-42.70	2.39724G	-39.75	2.48518G	-41.54	16.59473G	-34.45	4



CSE(Non-restricted Band)

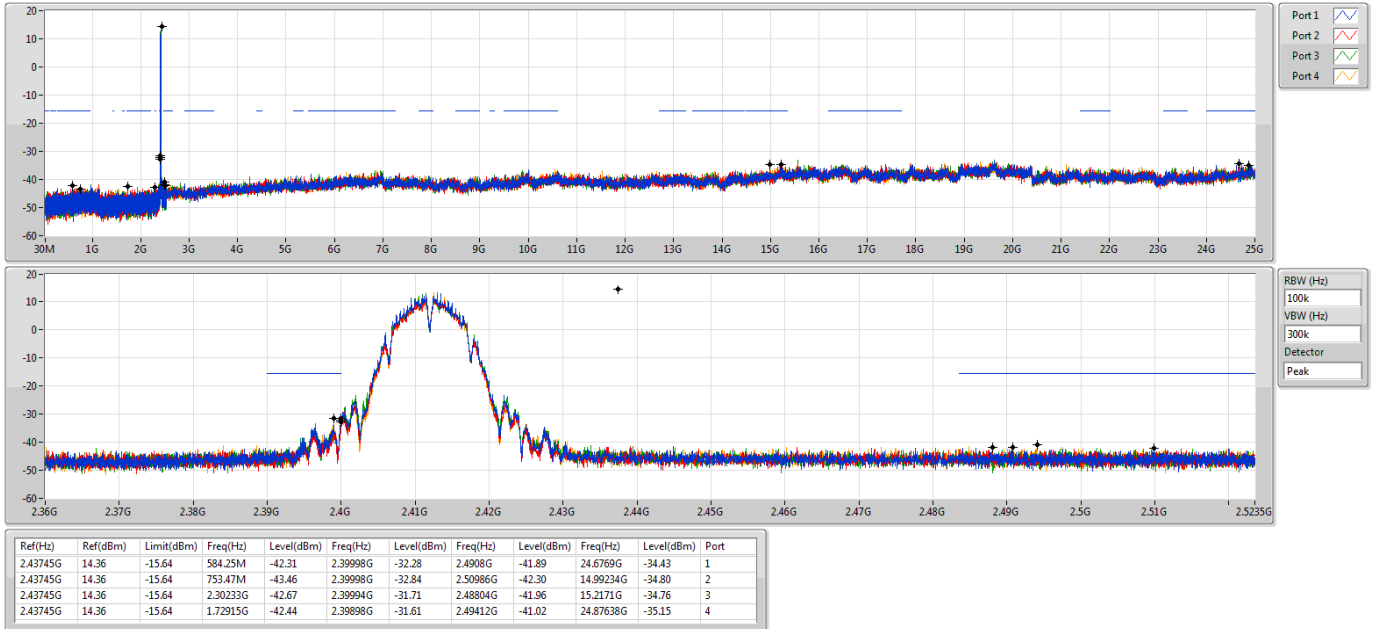
Appendix E.8

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
2452MHz	Pass	2.43198G	1.77	-28.23	730.74M	-42.67	2.39512G	-42.90	2.53146G	-41.44	24.93269G	-33.71	1
2452MHz	Pass	2.43198G	1.77	-28.23	902.49M	-43.21	2.3966G	-42.87	2.48486G	-41.47	24.9355G	-34.42	2
2452MHz	Pass	2.43198G	1.77	-28.23	850.11M	-42.77	2.39884G	-43.92	2.4839G	-41.81	24.84294G	-34.53	3
2452MHz	Pass	2.43198G	1.77	-28.23	871.29M	-43.26	2.39536G	-43.68	2.49042G	-40.88	24.95232G	-34.53	4

802.11b_Nss1,(1Mbps)_4TX

CSE NdB

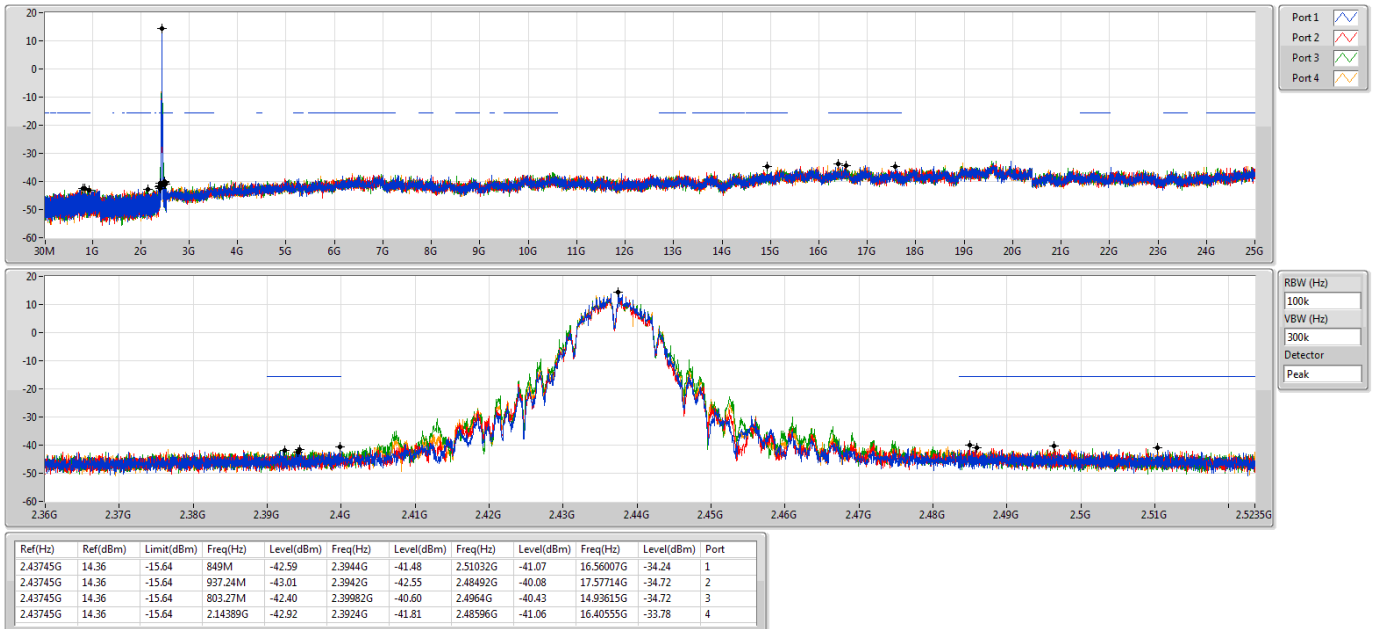
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSE NdB

2437MHz

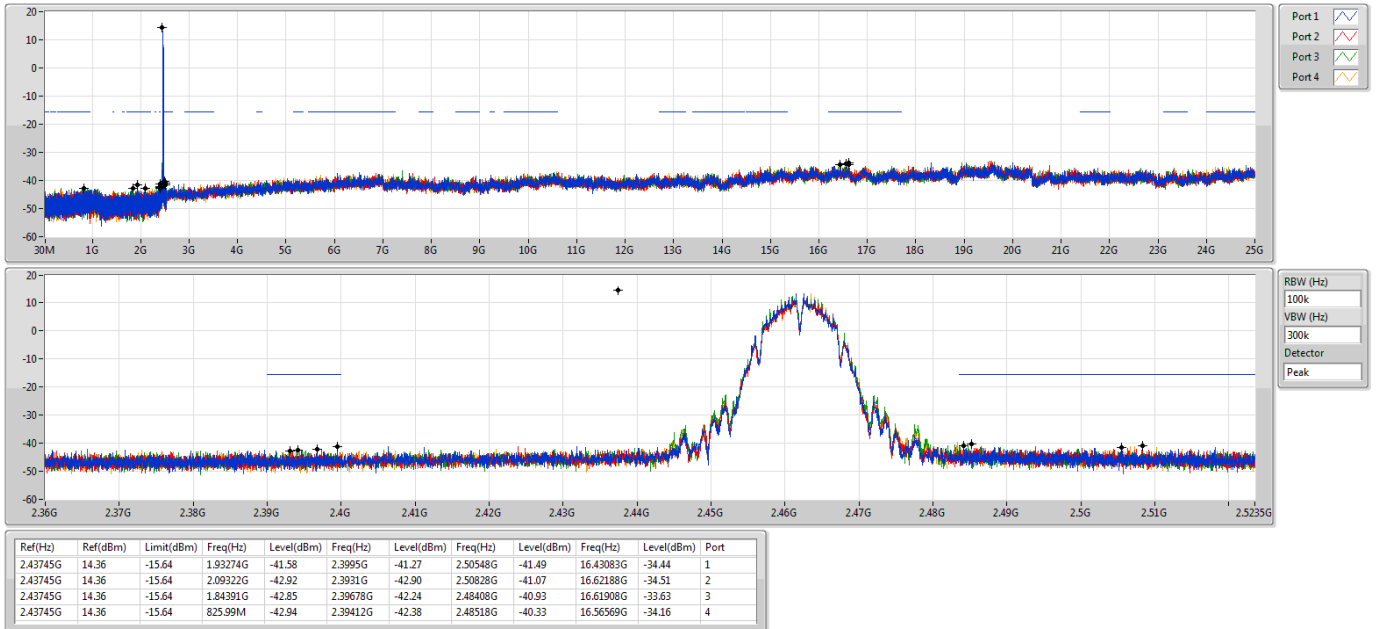


802.11b_Nss1,(1Mbps)_4TX

CSE NdB

2462MHz

29/06/2019



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2412MHz

29/06/2019

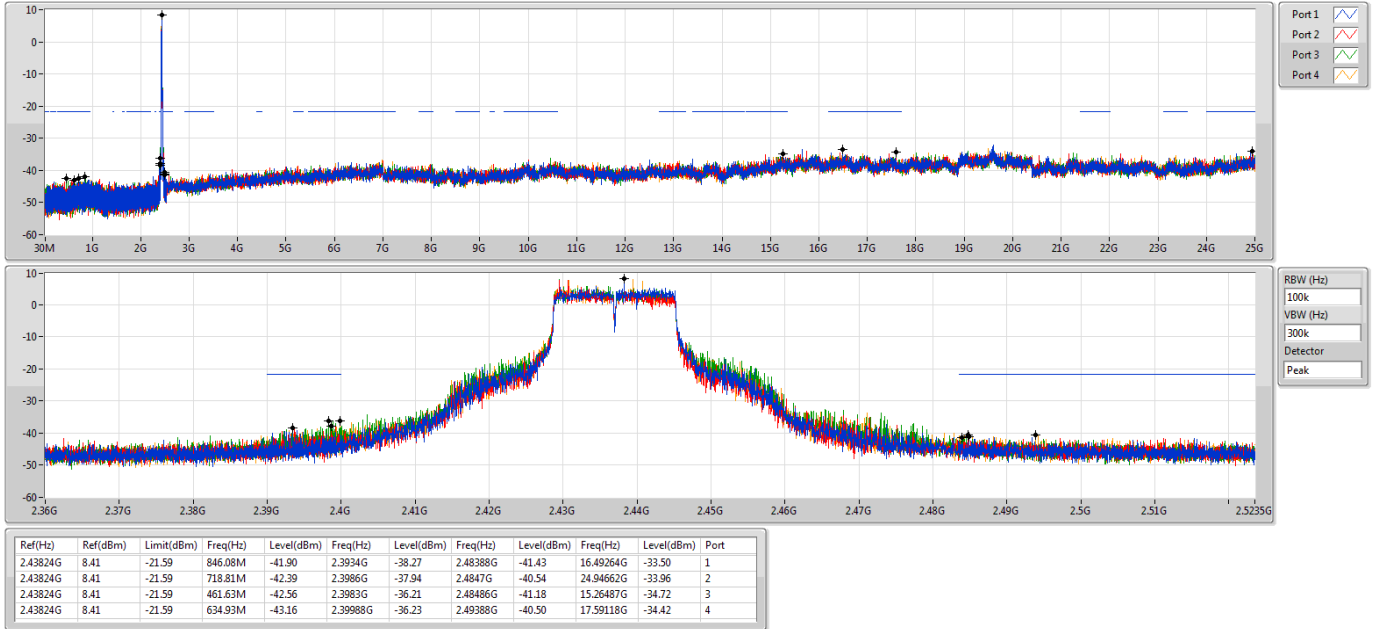


802.11g_Nss1,(6Mbps)_4TX

2437MHz

CSE NdB

29/06/2019



802.11g_Nss1,(6Mbps)_4TX

2462MHz

CSE NdB

29/06/2019



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

2412MHz

29/06/2019

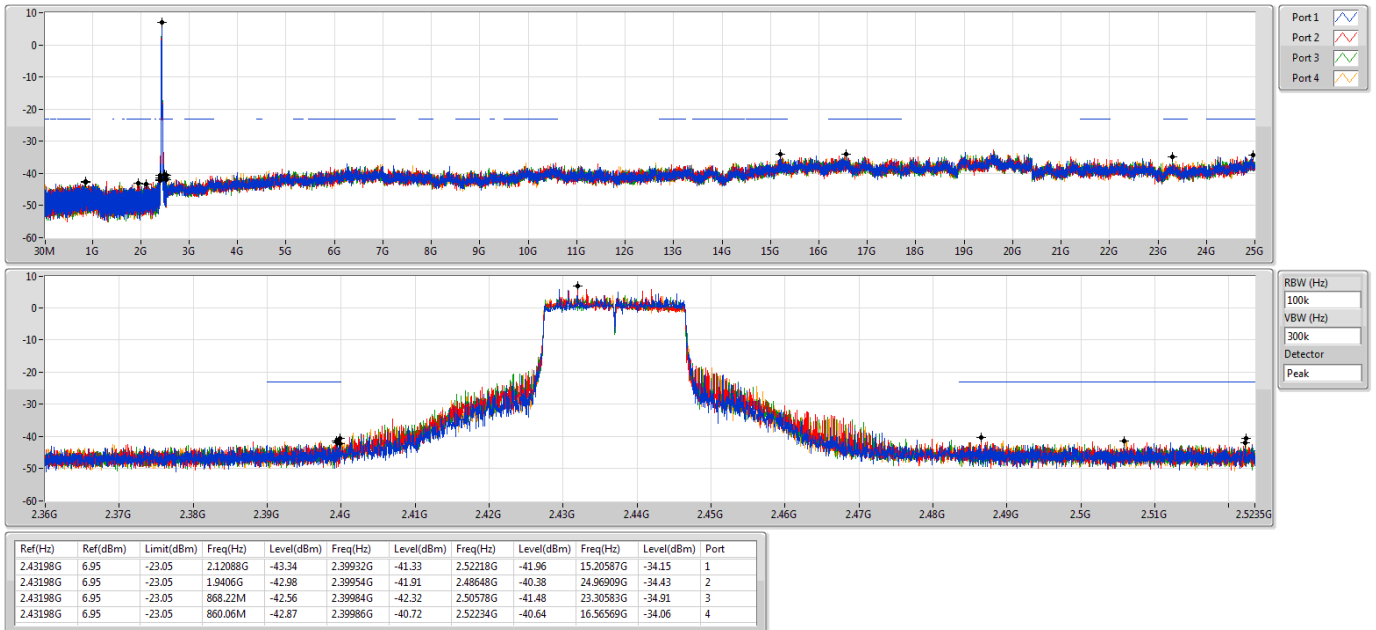


802.11ax HEW20_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

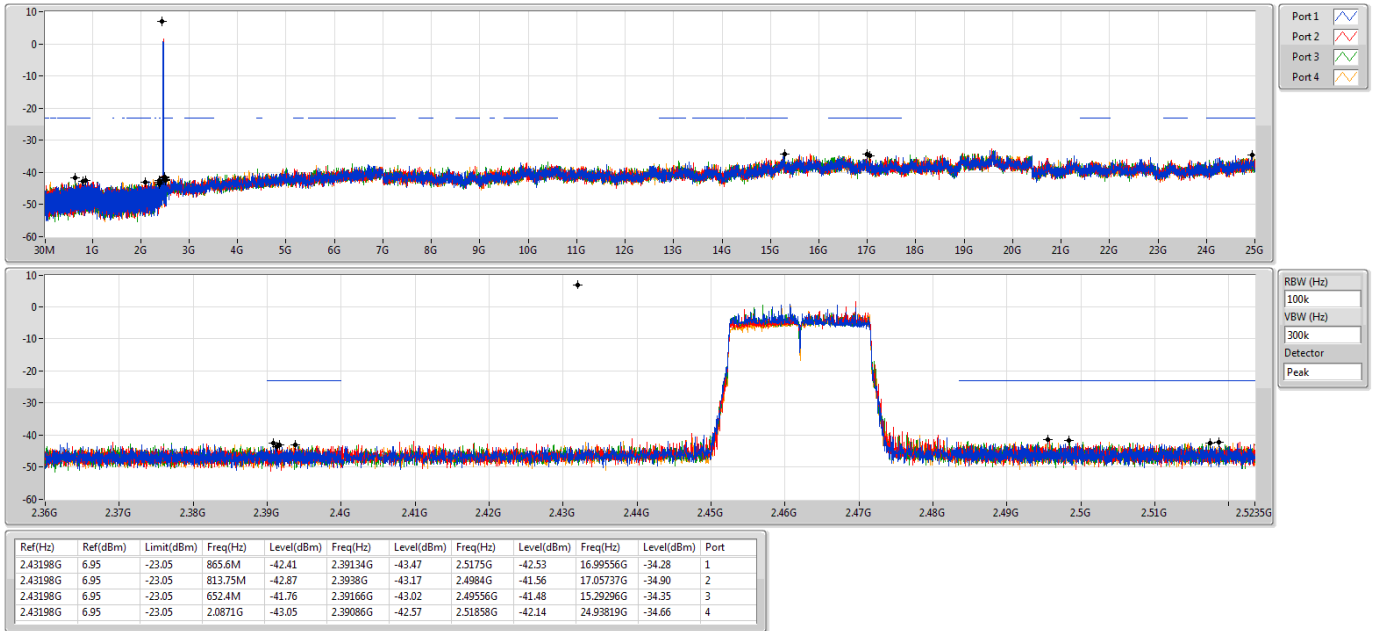


802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

CSE NdB

29/06/2019

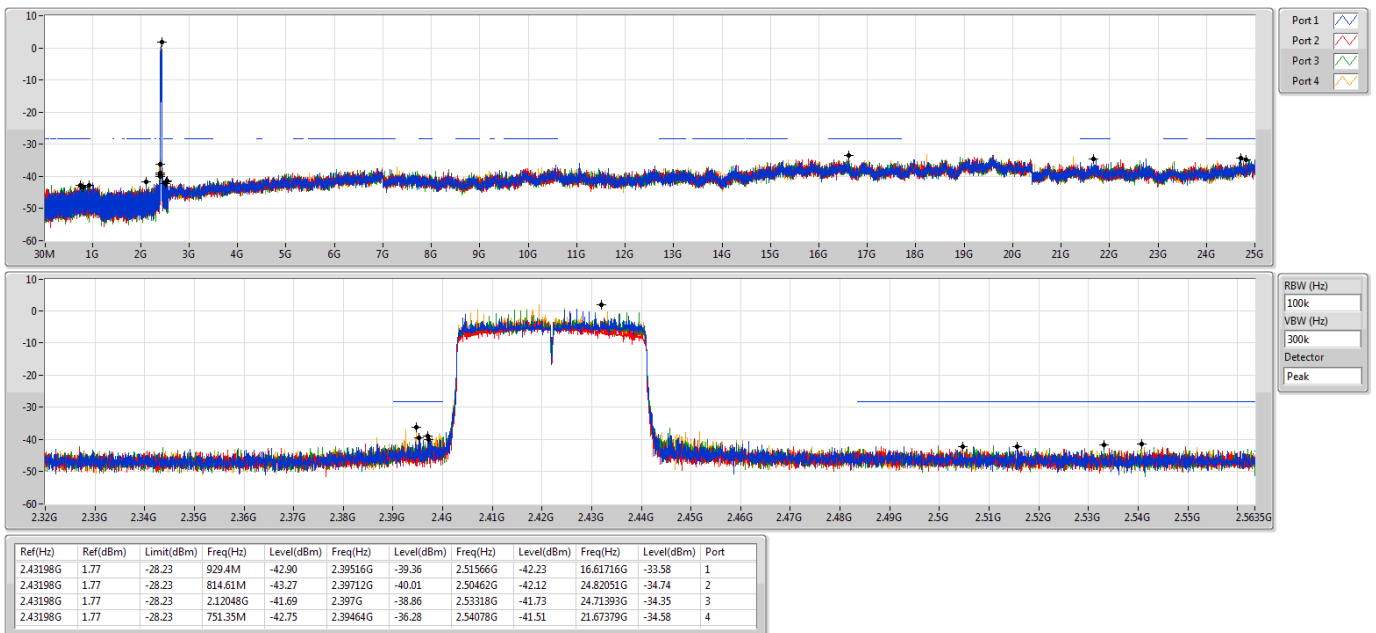


802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz

CSE NdB

29/06/2019

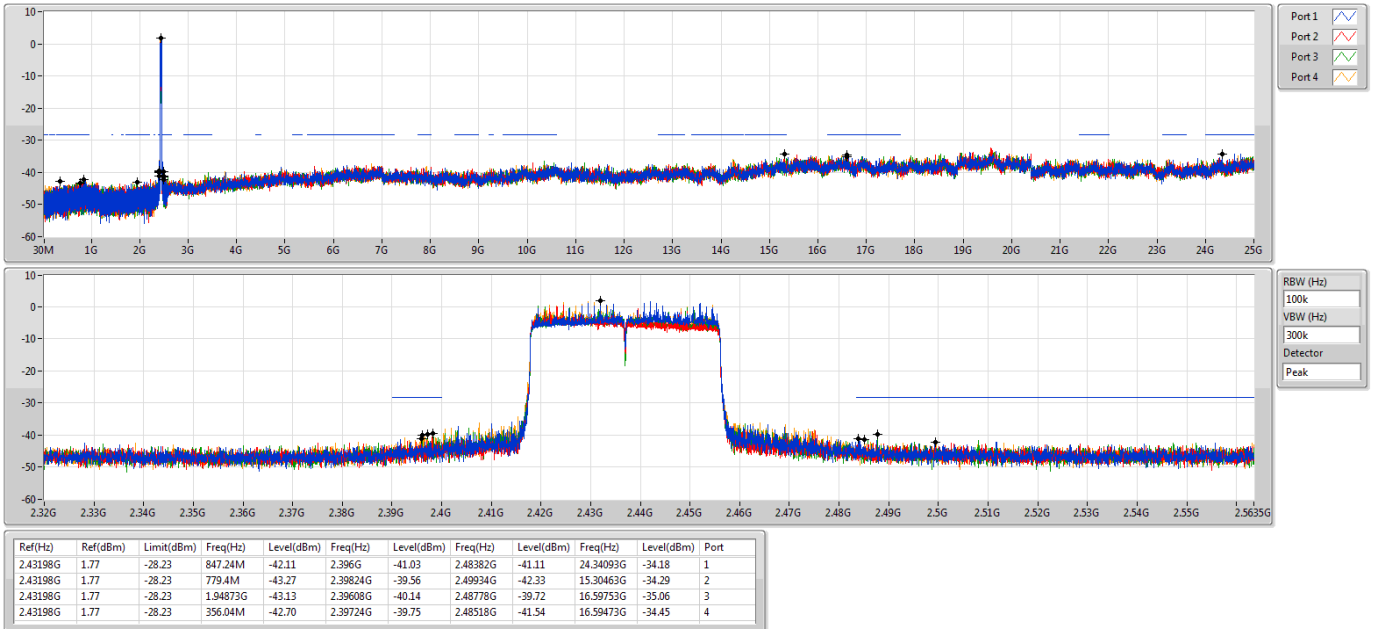


802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

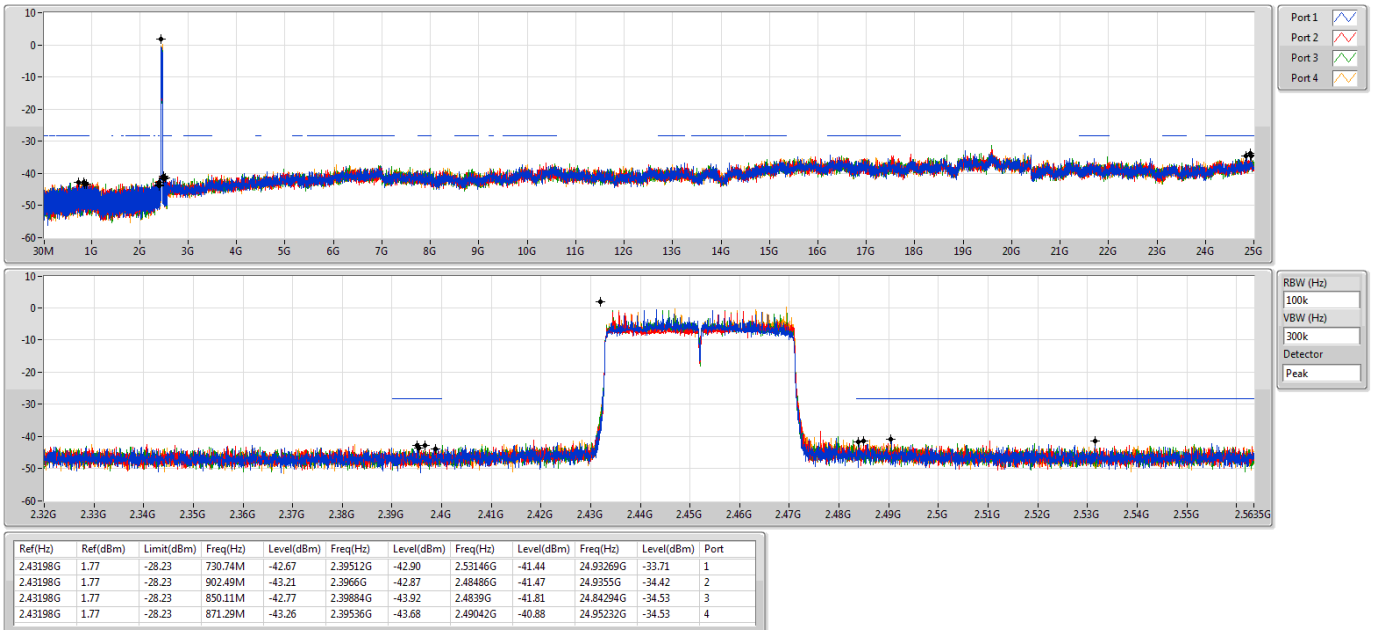


802.11ax HEW40_Nss1,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019





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	2.43198G	8.44	-21.56	2.18933G	-43.29	2.39968G	-29.30	2.48784G	-41.05	24.62633G	-34.38	2
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.43198G	3.52	-26.48	573.3M	-42.93	2.39132G	-42.28	2.51446G	-41.77	16.44048G	-33.63	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-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	8.44	-21.56	873.75M	-42.58	2.39954G	-30.58	2.4979G	-42.35	16.58536G	-34.85	1
2412MHz	Pass	2.43198G	8.44	-21.56	2.18933G	-43.29	2.39968G	-29.30	2.48784G	-41.05	24.62633G	-34.38	2
2412MHz	Pass	2.43198G	8.44	-21.56	706.57M	-43.04	2.39804G	-29.89	2.50324G	-41.91	16.61908G	-35.03	3
2412MHz	Pass	2.43198G	8.44	-21.56	947.44M	-42.67	2.39988G	-29.91	2.50096G	-41.78	16.54884G	-33.66	4
2437MHz	Pass	2.43198G	8.44	-21.56	843.17M	-42.51	2.39946G	-39.93	2.48498G	-40.25	16.51231G	-34.82	1
2437MHz	Pass	2.43198G	8.44	-21.56	823.95M	-42.92	2.39808G	-38.50	2.49262G	-40.73	16.46174G	-34.29	2
2437MHz	Pass	2.43198G	8.44	-21.56	639M	-42.45	2.39868G	-39.12	2.48864G	-41.80	17.52656G	-34.57	3
2437MHz	Pass	2.43198G	8.44	-21.56	2.10778G	-41.44	2.39786G	-38.06	2.48538G	-39.62	24.77804G	-34.39	4
2462MHz	Pass	2.43198G	8.44	-21.56	313.39M	-42.88	2.39866G	-43.15	2.4853G	-40.21	16.52074G	-34.10	1
2462MHz	Pass	2.43198G	8.44	-21.56	1.98662G	-42.48	2.39624G	-42.43	2.48394G	-37.96	24.85671G	-34.42	2
2462MHz	Pass	2.43198G	8.44	-21.56	1.63479G	-43.35	2.39168G	-42.23	2.48354G	-40.51	24.77524G	-34.67	3
2462MHz	Pass	2.43198G	8.44	-21.56	2.11622G	-43.16	2.39534G	-43.53	2.4864G	-39.69	16.25945G	-34.96	4
802.11ax HEW40-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	3.52	-26.48	649.16M	-43.28	2.3914G	-41.96	2.5073G	-40.60	16.53863G	-34.92	1
2422MHz	Pass	2.43198G	3.52	-26.48	303.94M	-42.49	2.39048G	-42.70	2.49474G	-41.15	24.71393G	-34.59	2
2422MHz	Pass	2.43198G	3.52	-26.48	865.85M	-42.73	2.39588G	-41.43	2.54502G	-42.14	16.58631G	-34.27	3
2422MHz	Pass	2.43198G	3.52	-26.48	894.76M	-42.22	2.39916G	-39.58	2.51046G	-42.15	16.56388G	-34.02	4
2437MHz	Pass	2.43198G	3.52	-26.48	903.92M	-43.09	2.39564G	-37.41	2.51182G	-40.70	24.92147G	-34.40	1
2437MHz	Pass	2.43198G	3.52	-26.48	927.11M	-42.52	2.39924G	-36.11	2.48822G	-41.91	17.49499G	-34.89	2
2437MHz	Pass	2.43198G	3.52	-26.48	690.09M	-43.22	2.39956G	-35.21	2.48354G	-41.46	16.54705G	-34.91	3
2437MHz	Pass	2.43198G	3.52	-26.48	1.94244G	-43.01	2.39964G	-33.64	2.48418G	-40.39	16.97895G	-34.02	4
2452MHz	Pass	2.43198G	3.52	-26.48	504.6M	-42.45	2.39844G	-43.49	2.4841G	-41.17	16.56388G	-34.17	1
2452MHz	Pass	2.43198G	3.52	-26.48	573.3M	-42.93	2.39132G	-42.28	2.51446G	-41.77	16.44048G	-33.63	2
2452MHz	Pass	2.43198G	3.52	-26.48	2.09043G	-42.24	2.396G	-42.65	2.50122G	-42.04	16.99578G	-34.51	3
2452MHz	Pass	2.43198G	3.52	-26.48	1.64731G	-43.26	2.399G	-42.75	2.48774G	-39.65	24.92428G	-34.35	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSE NdB

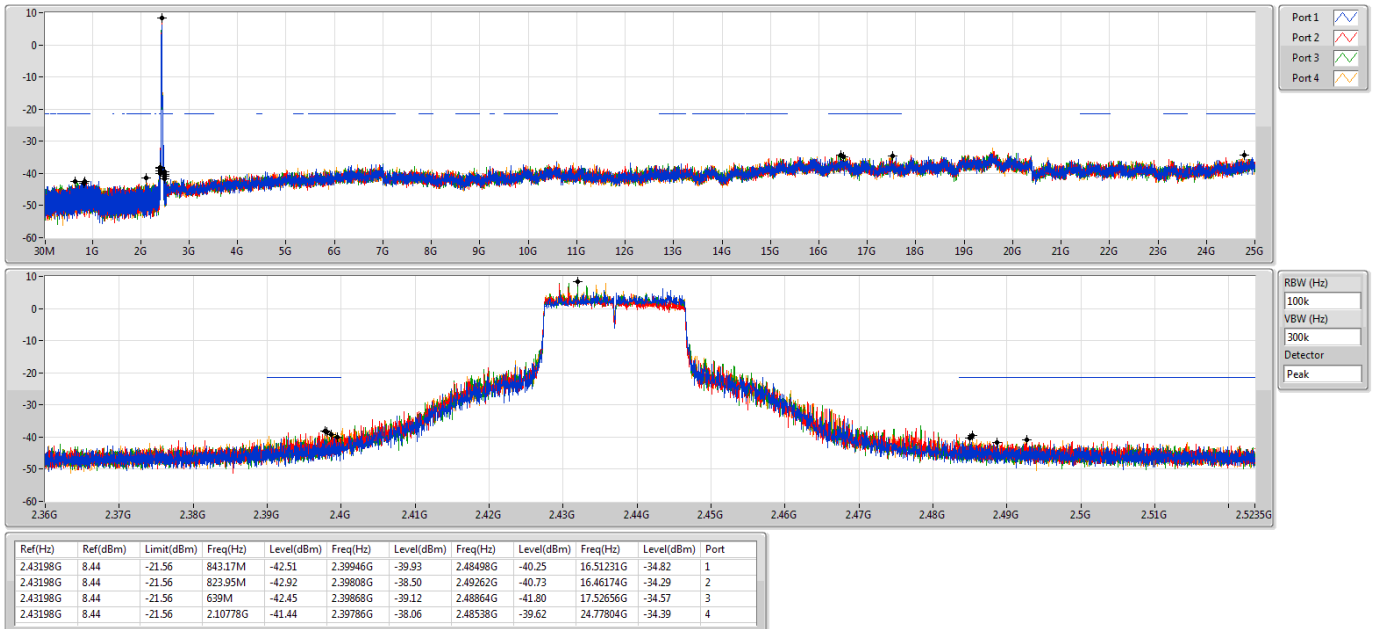
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSE NdB

2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

CSE NdB

2462MHz

29/06/2019

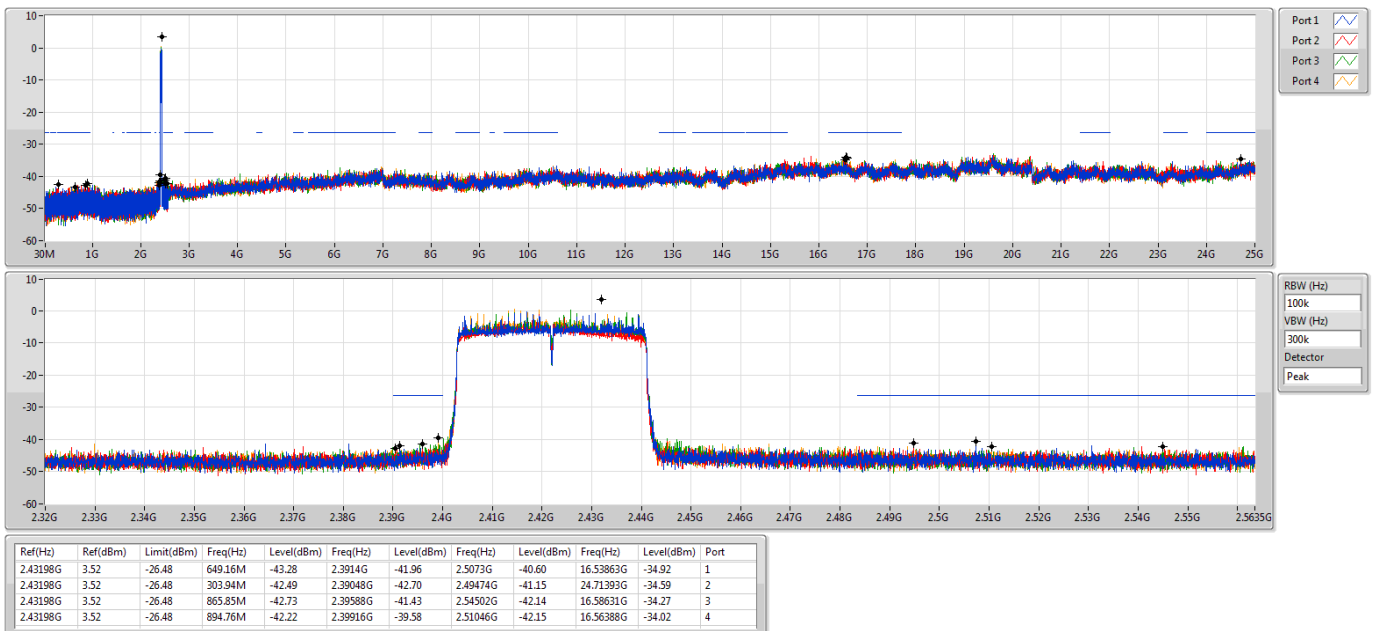


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2422MHz

29/06/2019

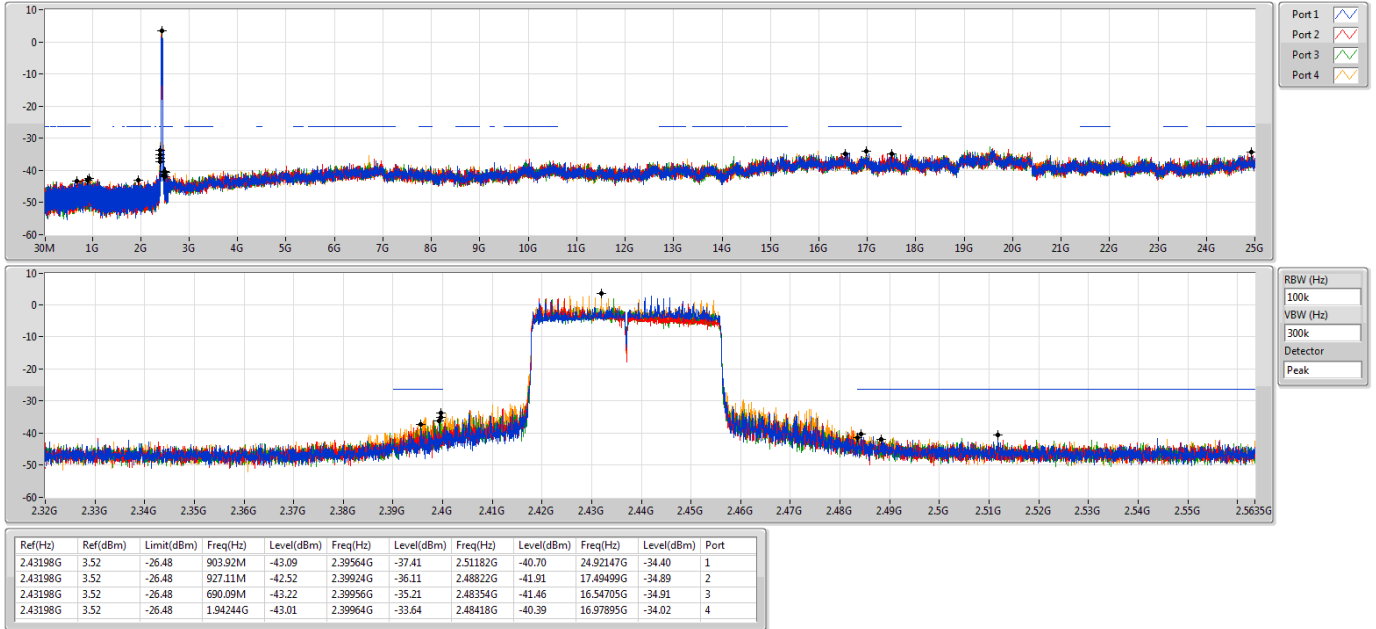


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

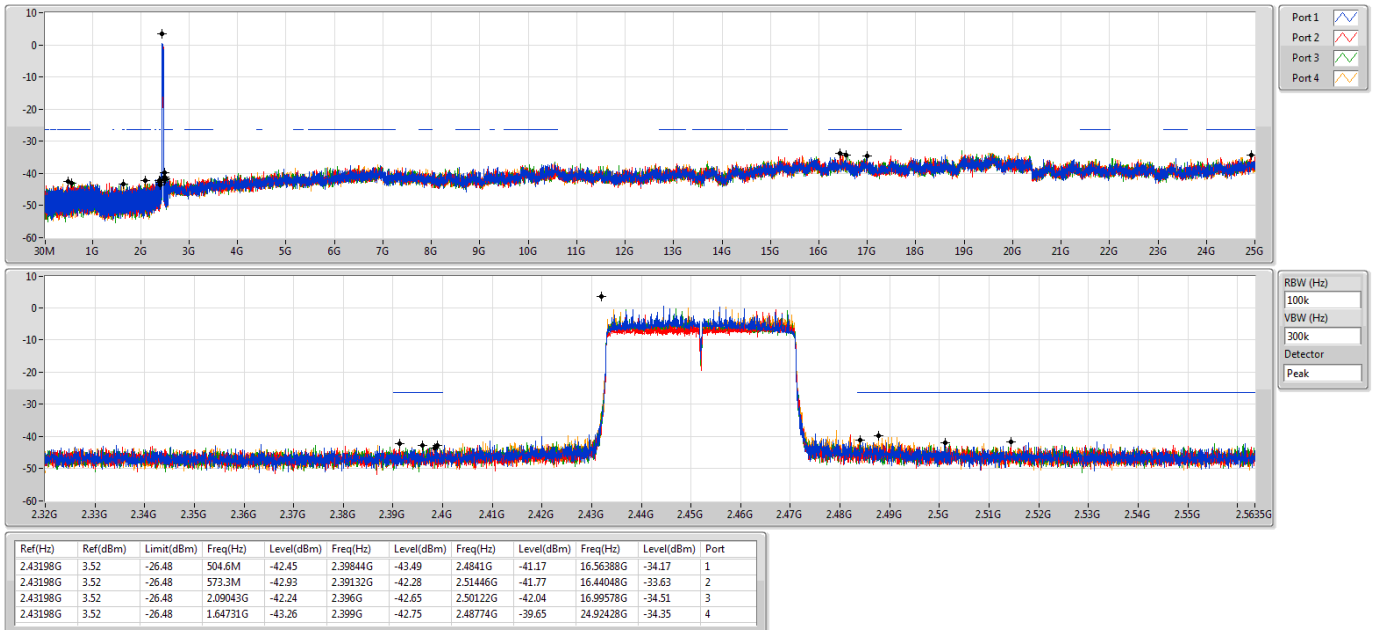


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019





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	2.4357G	7.94	-22.06	2.12059G	-42.08	2.39996G	-28.45	2.50374G	-41.89	16.58255G	-34.47	3
802.11ax HEW40_Nss4,(MCS0)_4TX	Pass	2.42196G	1.91	-28.09	954.87M	-42.27	2.39224G	-39.82	2.48398G	-40.89	24.97756G	-33.25	4

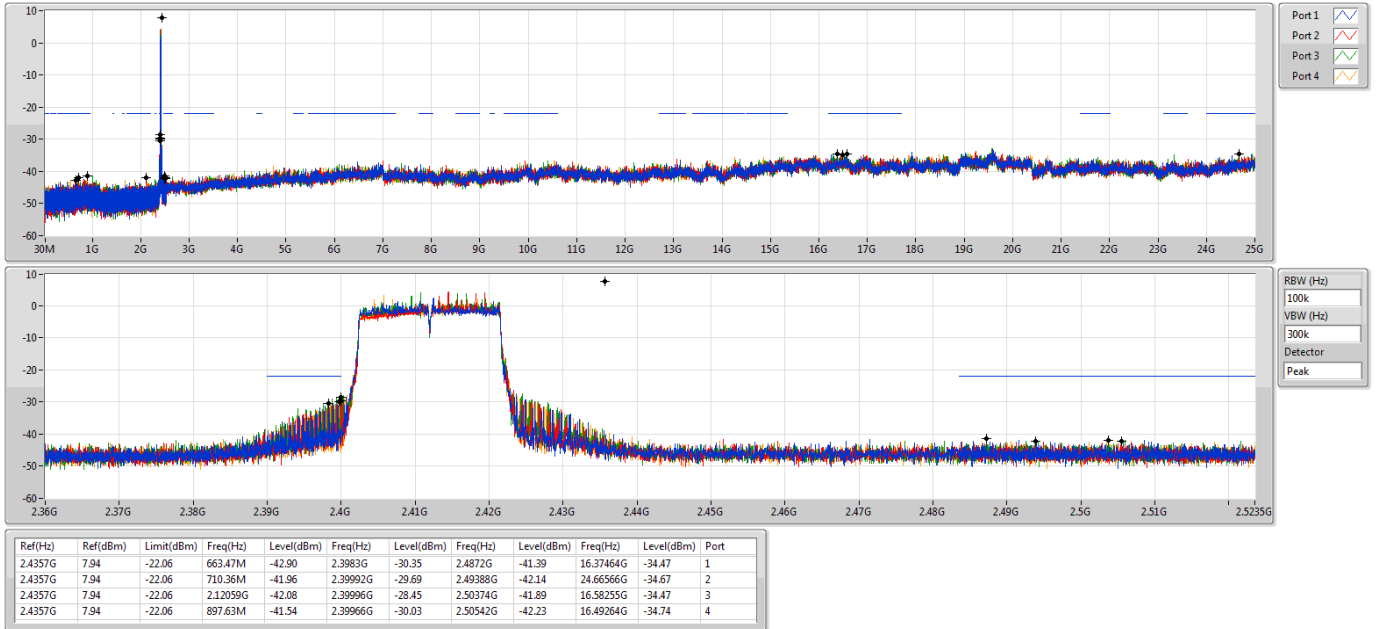
Result

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	2.4357G	7.94	-22.06	663.47M	-42.90	2.3983G	-30.35	2.4872G	-41.39	16.37464G	-34.47	1
2412MHz	Pass	2.4357G	7.94	-22.06	710.36M	-41.96	2.39992G	-29.69	2.49388G	-42.14	24.66566G	-34.67	2
2412MHz	Pass	2.4357G	7.94	-22.06	2.12059G	-42.08	2.39996G	-28.45	2.50374G	-41.89	16.58255G	-34.47	3
2412MHz	Pass	2.4357G	7.94	-22.06	897.63M	-41.54	2.39966G	-30.03	2.50542G	-42.23	16.49264G	-34.74	4
2437MHz	Pass	2.4357G	7.94	-22.06	883.36M	-42.61	2.39788G	-40.19	2.4841G	-39.33	17.00118G	-33.86	1
2437MHz	Pass	2.4357G	7.94	-22.06	595.32M	-42.61	2.39702G	-38.13	2.48438G	-40.34	15.27329G	-35.29	2
2437MHz	Pass	2.4357G	7.94	-22.06	2.01895G	-42.94	2.39848G	-39.08	2.4845G	-40.61	16.46455G	-34.44	3
2437MHz	Pass	2.4357G	7.94	-22.06	690.56M	-43.32	2.39486G	-36.86	2.49664G	-39.94	16.5966G	-34.52	4
2462MHz	Pass	2.4357G	7.94	-22.06	675.41M	-43.02	2.39904G	-42.92	2.48366G	-35.14	16.25383G	-34.14	1
2462MHz	Pass	2.4357G	7.94	-22.06	772.11M	-42.18	2.39916G	-43.37	2.48384G	-33.56	17.4788G	-34.09	2
2462MHz	Pass	2.4357G	7.94	-22.06	786.09M	-42.91	2.39326G	-41.47	2.48396G	-36.40	17.02365G	-34.46	3
2462MHz	Pass	2.4357G	7.94	-22.06	735.7M	-41.76	2.39274G	-43.07	2.48408G	-35.56	24.85109G	-35.15	4
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42196G	1.91	-28.09	1.83624G	-42.29	2.39648G	-41.68	2.51118G	-41.77	16.42926G	-34.65	1
2422MHz	Pass	2.42196G	1.91	-28.09	816.62M	-42.70	2.3984G	-43.30	2.53802G	-42.41	17.55669G	-34.42	2
2422MHz	Pass	2.42196G	1.91	-28.09	1.95389G	-42.78	2.3916G	-42.82	2.51414G	-40.92	16.40121G	-34.16	3
2422MHz	Pass	2.42196G	1.91	-28.09	563.28M	-42.61	2.39476G	-42.39	2.53742G	-42.40	16.93408G	-33.87	4
2437MHz	Pass	2.42196G	1.91	-28.09	1.96591G	-42.72	2.39812G	-41.11	2.49078G	-40.85	24.91867G	-34.11	1
2437MHz	Pass	2.42196G	1.91	-28.09	808.6M	-43.26	2.39696G	-41.57	2.5329G	-41.10	17.02382G	-34.54	2
2437MHz	Pass	2.42196G	1.91	-28.09	669.77M	-41.99	2.39788G	-40.53	2.49926G	-42.21	17.57352G	-34.74	3
2437MHz	Pass	2.42196G	1.91	-28.09	954.87M	-42.27	2.39224G	-39.82	2.48398G	-40.89	24.97756G	-33.25	4
2452MHz	Pass	2.42196G	1.91	-28.09	913.94M	-43.13	2.39768G	-42.86	2.4919G	-41.81	24.92708G	-34.98	1
2452MHz	Pass	2.42196G	1.91	-28.09	945.14M	-43.24	2.3958G	-43.82	2.5051G	-41.78	24.96074G	-34.77	2
2452MHz	Pass	2.42196G	1.91	-28.09	750.78M	-42.75	2.39644G	-42.84	2.4935G	-41.99	24.34093G	-34.52	3
2452MHz	Pass	2.42196G	1.91	-28.09	231.52M	-42.82	2.39292G	-43.32	2.52146G	-42.01	15.20366G	-34.81	4

802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

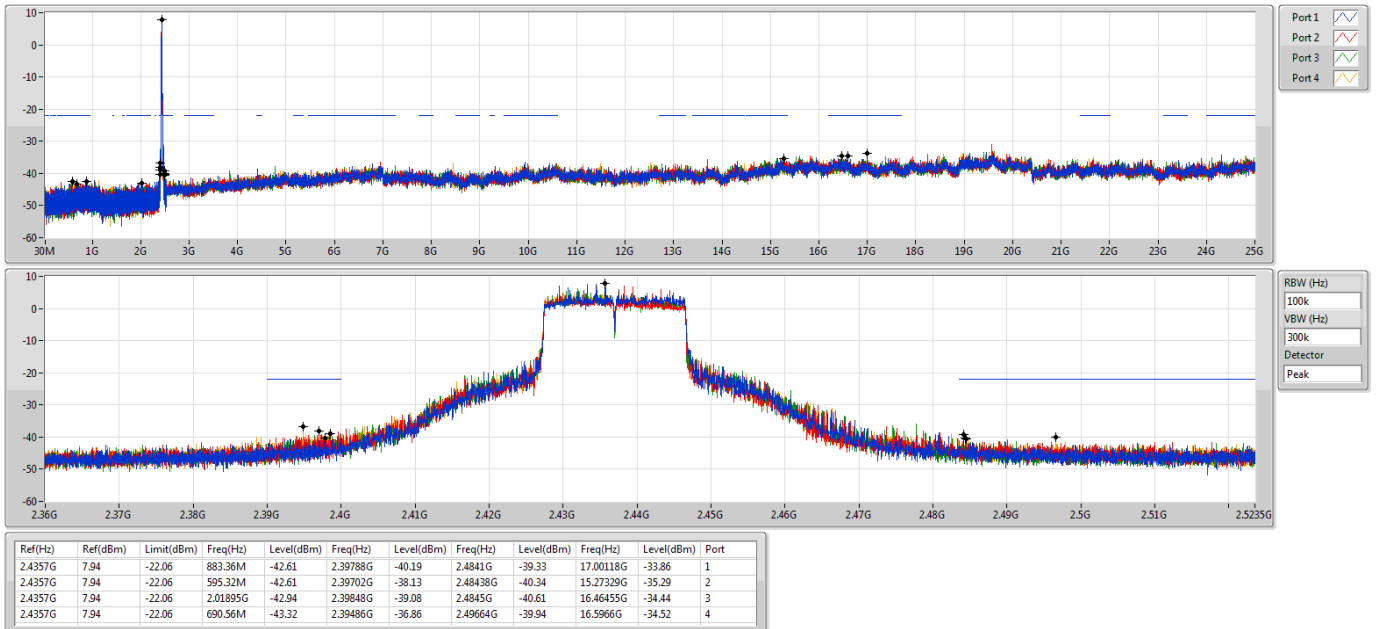
2412MHz



802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

2437MHz

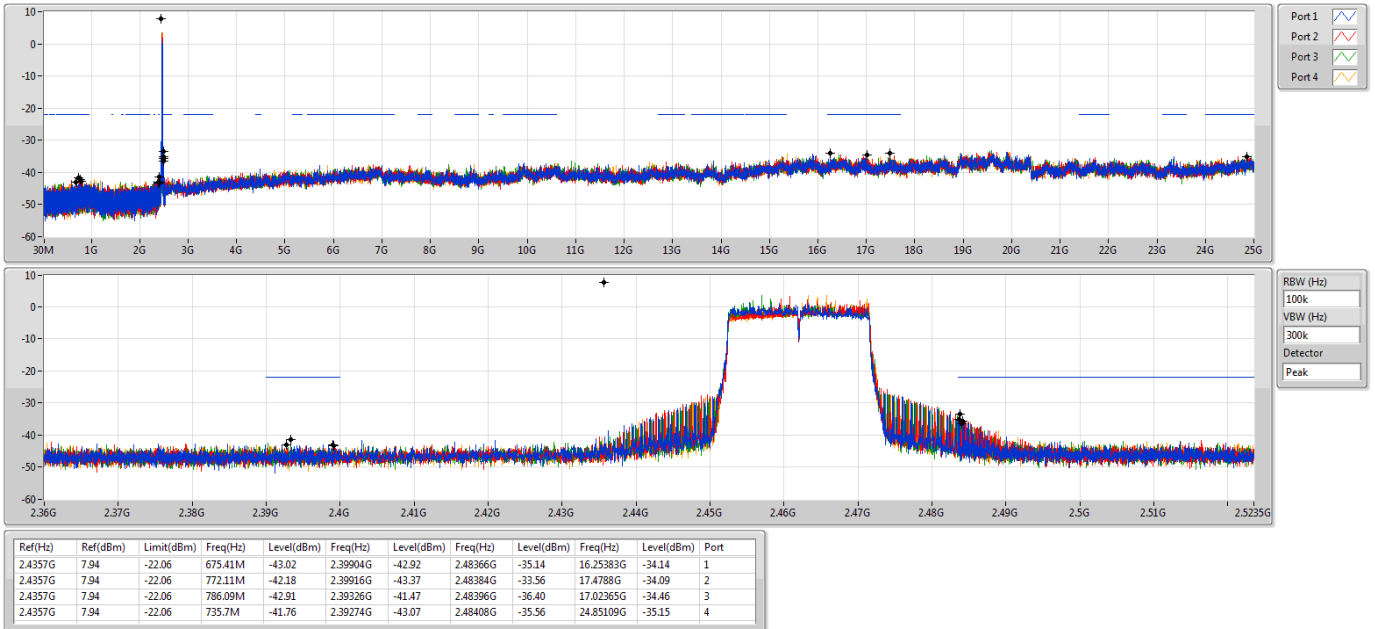


802.11ax HEW20_Nss4,(MCS0)_4TX

CSE NdB

2462MHz

29/06/2019



802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2422MHz

29/06/2019

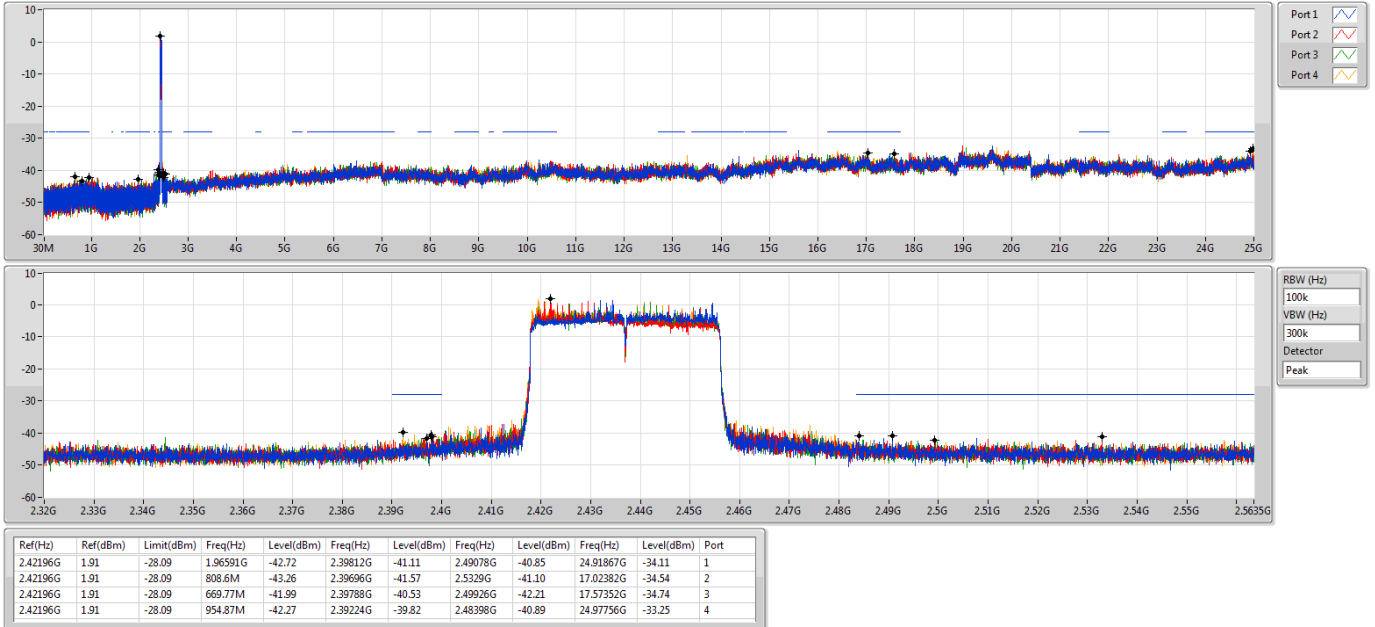


802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2437MHz

29/06/2019

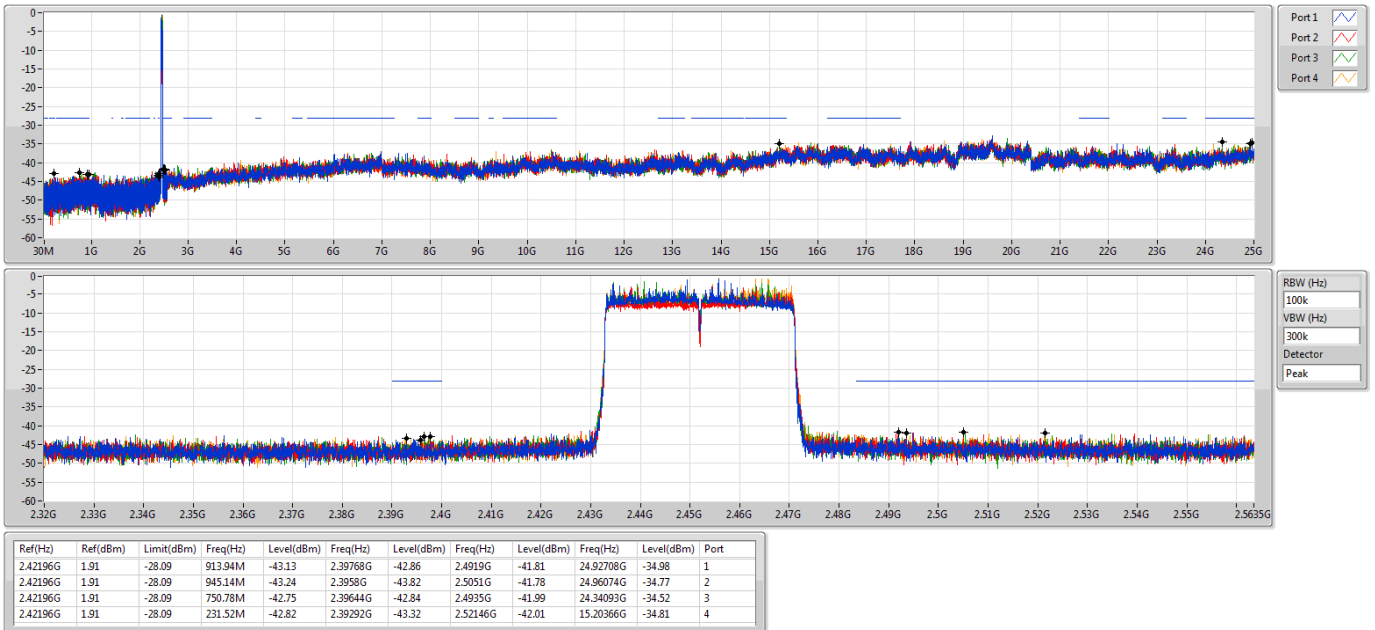


802.11ax HEW40_Nss4,(MCS0)_4TX

CSE NdB

2452MHz

29/06/2019



Mode 3: (Ant. 11 Panel antenna / 6.8 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	2.43799G	12.73	-17.27	730.17M	-44.06	2.39998G	-31.87	2.4872G	-43.80	15.03729G	-36.34	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.44079G	6.65	-23.35	2.0836G	-44.40	2.39448G	-42.62	2.48452G	-39.70	16.28474G	-36.12	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43077G	6.73	-23.27	1.79061G	-43.24	2.39958G	-32.98	2.50378G	-42.66	15.05134G	-36.35	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.42321G	-0.29	-30.29	2.0764G	-44.22	2.39756G	-44.35	2.4867G	-39.06	17.69131G	-35.83	1

Result

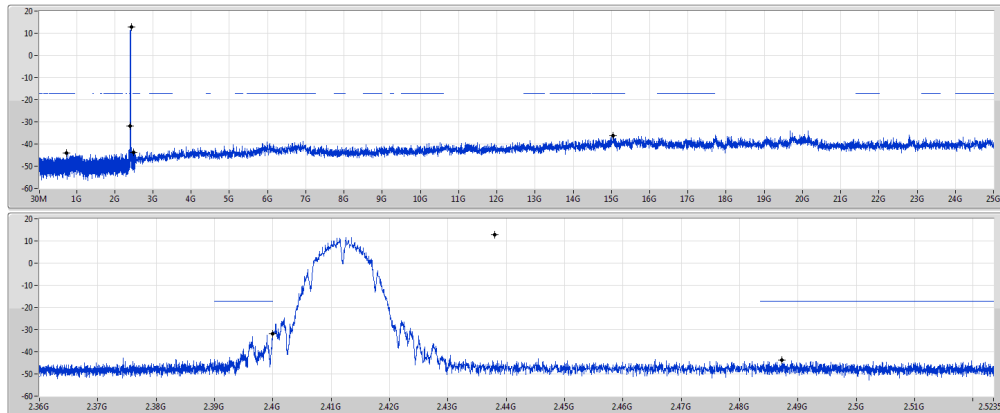
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	12.73	-17.27	730.17M	-44.06	2.39998G	-31.87	2.4872G	-43.80	15.03729G	-36.34	1
2437MHz	Pass	2.43799G	12.73	-17.27	824.53M	-43.84	2.39738G	-42.01	2.52096G	-42.82	24.51676G	-35.80	1
2462MHz	Pass	2.43799G	12.73	-17.27	511.73M	-43.60	2.39356G	-43.27	2.50686G	-42.43	16.34093G	-36.52	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44079G	6.65	-23.35	940.16M	-44.35	2.39988G	-37.81	2.49832G	-43.77	15.31825G	-36.97	1
2437MHz	Pass	2.44079G	6.65	-23.35	1.98021G	-44.24	2.39856G	-36.66	2.48408G	-39.43	24.22737G	-36.60	1
2462MHz	Pass	2.44079G	6.65	-23.35	2.0836G	-44.40	2.39448G	-42.62	2.48452G	-39.70	16.28474G	-36.12	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43077G	6.73	-23.27	1.79061G	-43.24	2.39958G	-32.98	2.50378G	-42.66	15.05134G	-36.35	1
2437MHz	Pass	2.43077G	6.73	-23.27	1.78129G	-43.72	2.39994G	-40.61	2.4847G	-39.83	17.69514G	-35.22	1
2462MHz	Pass	2.43077G	6.73	-23.27	891.52M	-43.99	2.39794G	-44.37	2.48356G	-40.23	16.27631G	-36.12	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42321G	-0.29	-30.29	1.88834G	-44.44	2.39888G	-37.74	2.49894G	-43.47	24.84575G	-36.68	1
2437MHz	Pass	2.42321G	-0.29	-30.29	2.15856G	-44.43	2.39676G	-36.12	2.4855G	-43.44	15.041G	-36.01	1
2452MHz	Pass	2.42321G	-0.29	-30.29	2.0764G	-44.22	2.39756G	-44.35	2.4867G	-39.06	17.69131G	-35.83	1

802.11b_Nss1,(1Mbps)_1TX 2412MHz

CSE NdB

16/02/2019

Port 1



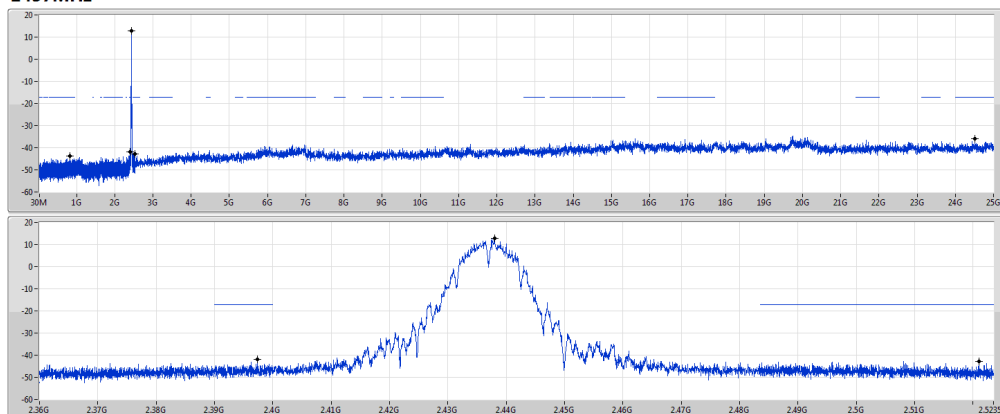
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
243799G	12.73	-17.27	730.17M	-44.06	239998G	-31.87	24872G	-43.80	15.03729G	-36.34	1

802.11b_Nss1,(1Mbps)_1TX 2437MHz

CSE NdB

16/02/2019

Port 1



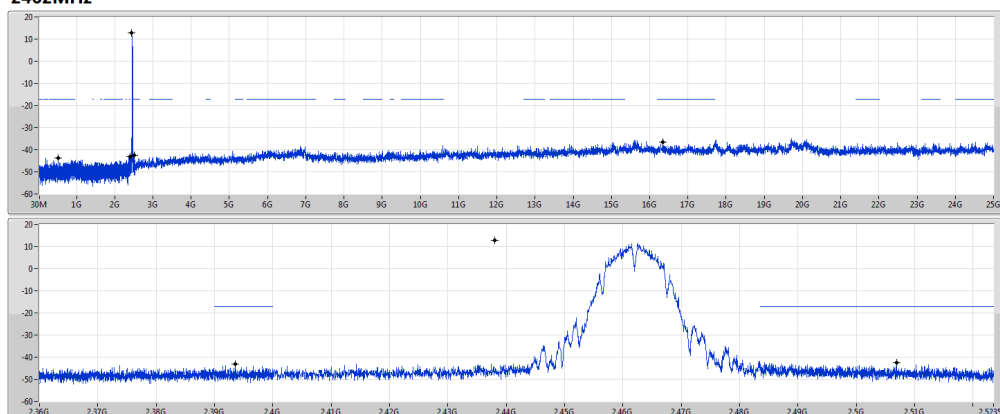
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
243799G	12.73	-17.27	824.53M	-43.84	239738G	-42.01	25096G	-42.82	24.51676G	-35.80	1

802.11b_Nss1,(1Mbps)_1TX 2462MHz

CSE NdB

16/02/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
243799G	12.73	-17.27	511.73M	-43.60	238256G	-43.27	250666G	-42.43	16.34083G	-36.52	1

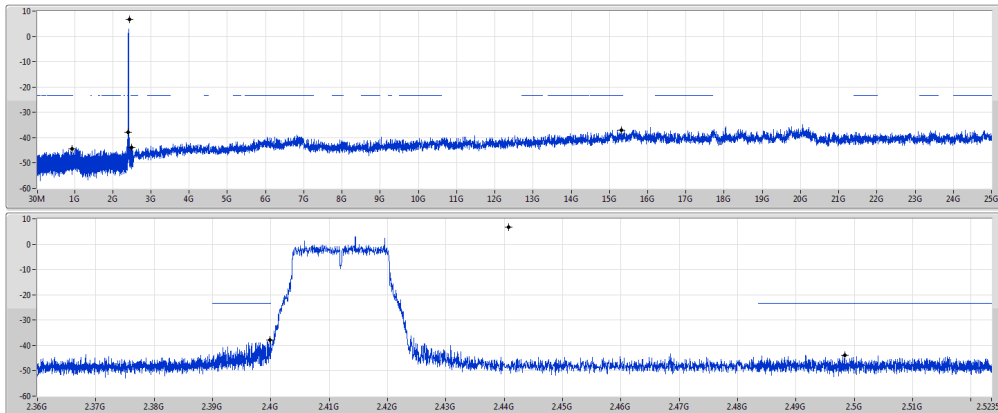
802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

16/02/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
244079G	6.65	-23.35	940.16M	-44.35	2.39988G	-37.81	2.49832G	-43.77	15.31825G	-36.97	1

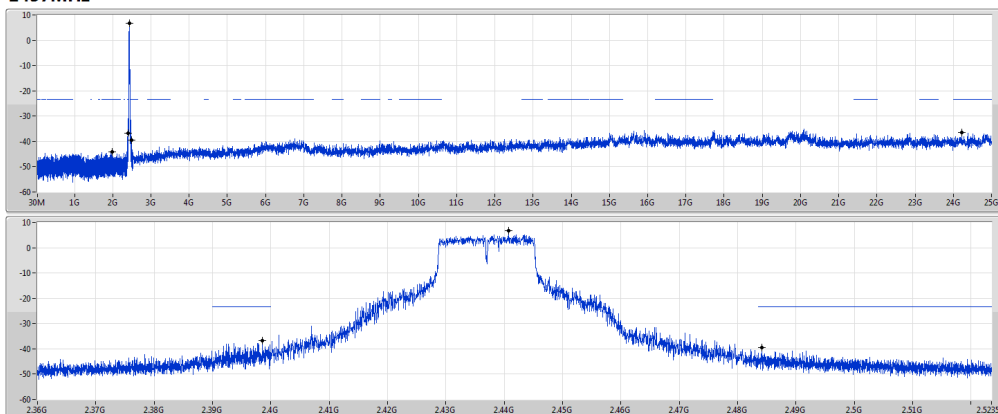
802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

16/02/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
244079G	6.65	-23.35	1.98021G	-44.24	2.39856G	-36.66	2.48408G	-39.43	24.22737G	-36.60	1

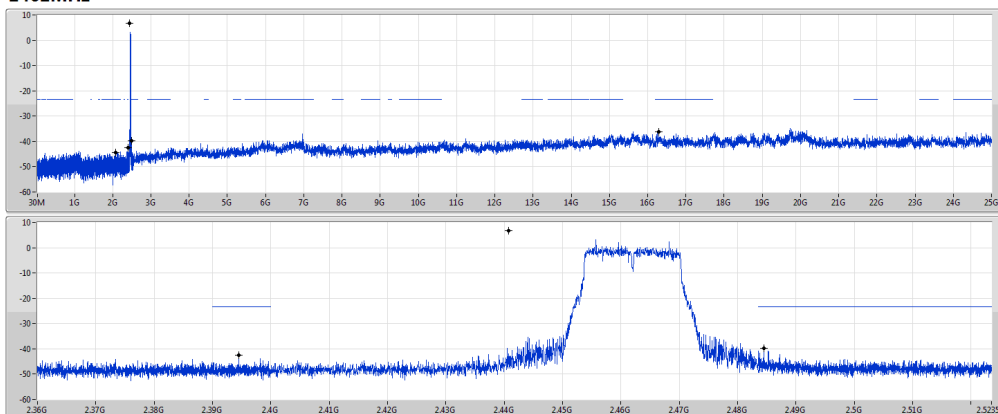
802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

16/02/2019

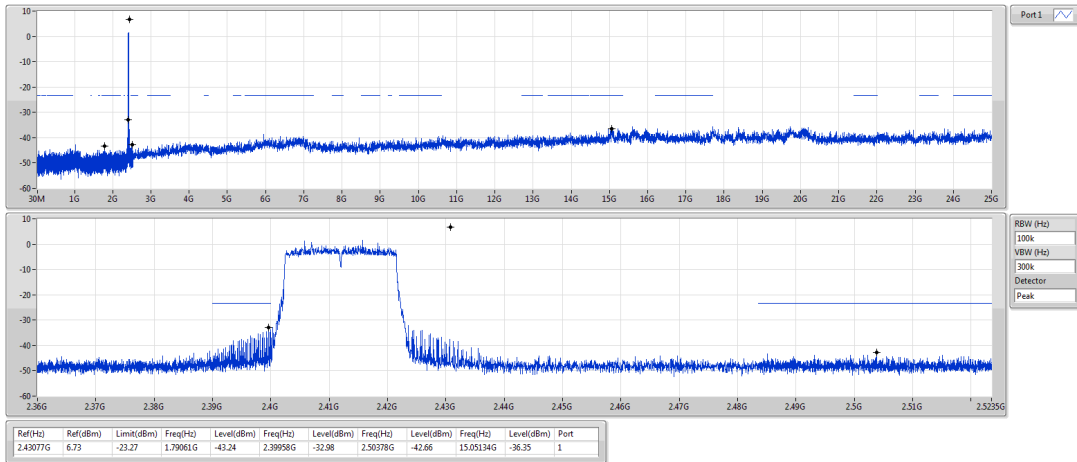
Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
244079G	6.65	-23.35	2.0836G	-44.40	2.39446G	-42.62	2.48452G	-39.70	16.28474G	-35.12	1

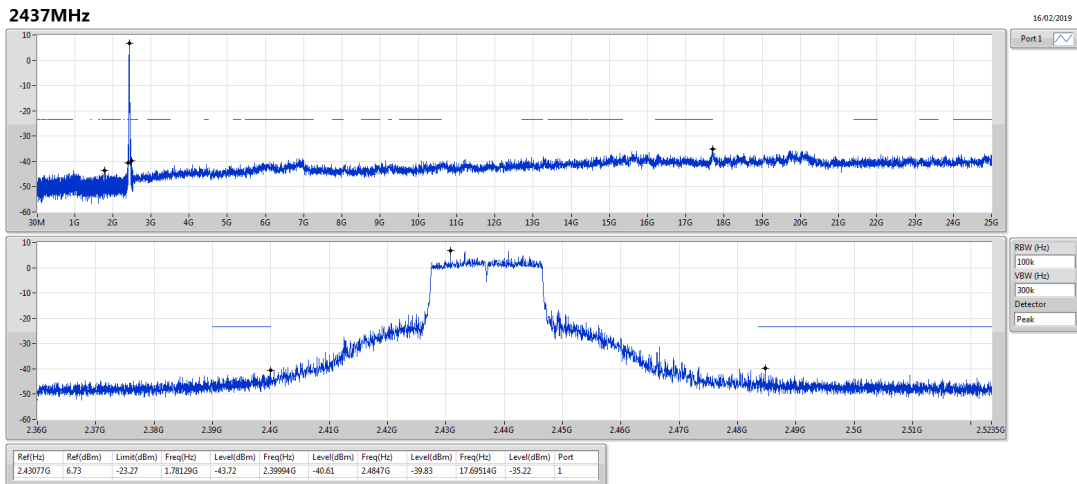
802.11ax HEW20_Nss1,(MCS0)_1TX
2412MHz

CSE NdB



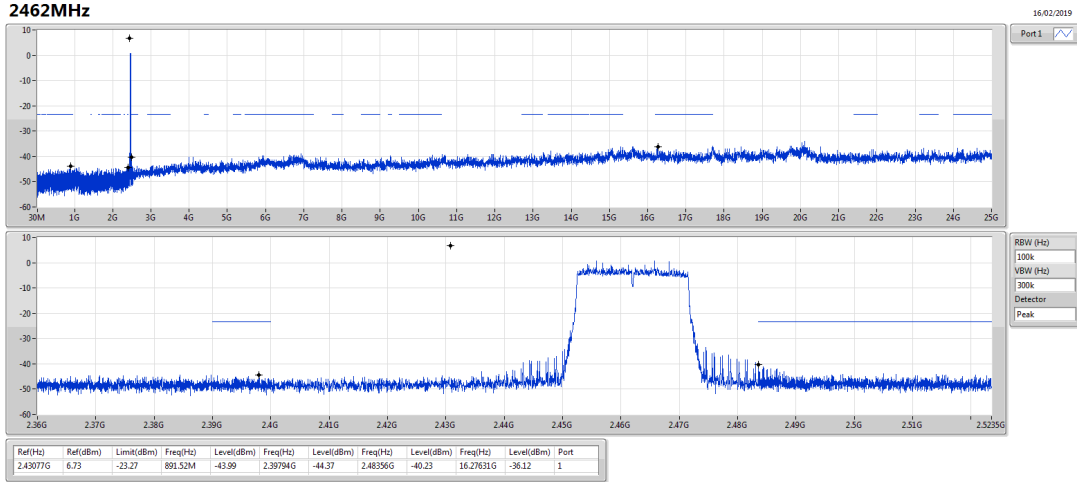
802.11ax HEW20_Nss1,(MCS0)_1TX
2437MHz

CSE NdB



802.11ax HEW20_Nss1,(MCS0)_1TX
2462MHz

CSE NdB



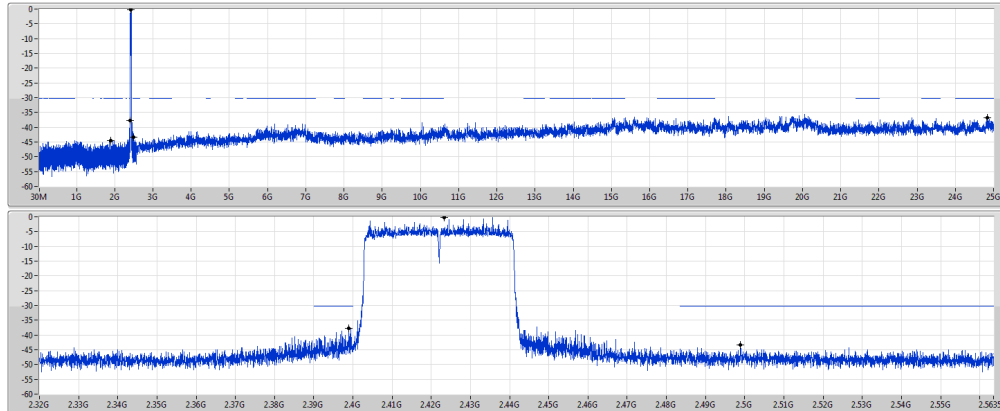
802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB

16/02/2019

Port 1



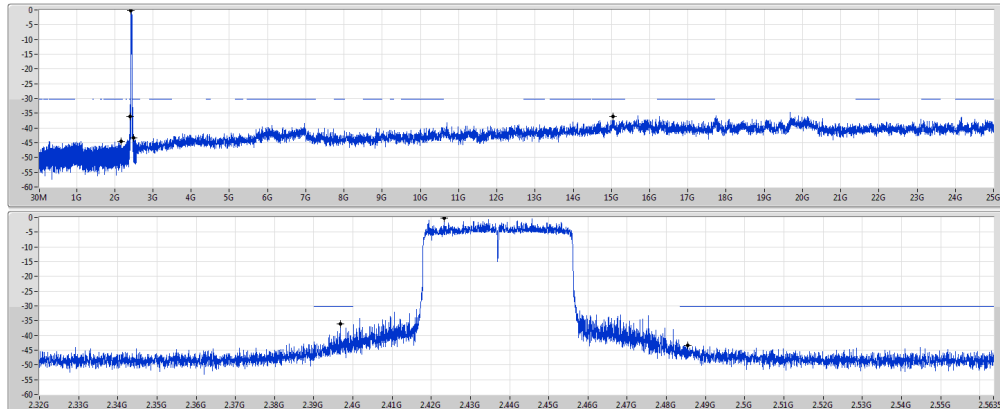
802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

16/02/2019

Port 1



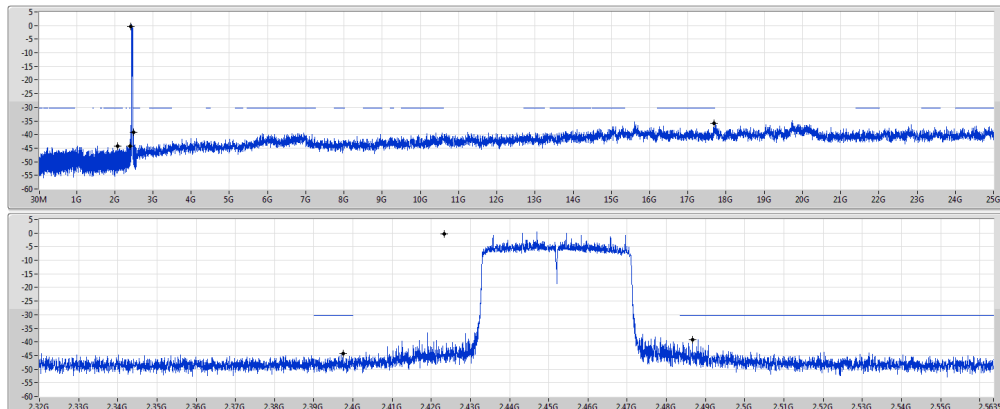
802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

CSE NdB

16/02/2019

Port 1



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	7.62	-22.38	310.77M	-44.89	2.3984G	-33.97	2.48702G	-43.63	15.26768G	-35.81	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43449G	0.96	-29.04	2.17373G	-44.73	2.39032G	-44.50	2.49074G	-42.31	15.05222G	-35.35	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	7.62	-22.38	906.08M	-44.07	2.3993G	-37.90	2.48922G	-43.60	24.9129G	-36.31	1
2412MHz	Pass	2.442G	7.62	-22.38	310.77M	-44.89	2.3984G	-33.97	2.48702G	-43.63	15.26768G	-35.81	2
2437MHz	Pass	2.442G	7.62	-22.38	826.57M	-43.73	2.39696G	-40.93	2.4847G	-42.70	17.69795G	-36.00	1
2437MHz	Pass	2.442G	7.62	-22.38	2.04166G	-43.81	2.39862G	-39.33	2.48478G	-41.09	16.29598G	-35.60	2
2462MHz	Pass	2.442G	7.62	-22.38	2.06351G	-43.97	2.397G	-44.39	2.48456G	-38.17	17.66985G	-35.98	1
2462MHz	Pass	2.442G	7.62	-22.38	830.06M	-44.29	2.39194G	-44.30	2.48398G	-38.26	16.34936G	-36.36	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	0.96	-29.04	373.21M	-44.15	2.39712G	-41.94	2.5363G	-43.52	17.69692G	-35.96	1
2422MHz	Pass	2.43449G	0.96	-29.04	2.09358G	-44.26	2.39884G	-40.49	2.49538G	-43.79	17.69692G	-36.12	2
2437MHz	Pass	2.43449G	0.96	-29.04	891.9M	-43.36	2.39856G	-39.44	2.4875G	-42.61	16.31427G	-36.13	1
2437MHz	Pass	2.43449G	0.96	-29.04	1.63243G	-43.83	2.39928G	-38.66	2.48886G	-43.16	24.63821G	-36.05	2
2452MHz	Pass	2.43449G	0.96	-29.04	697.54M	-44.73	2.3978G	-44.62	2.48642G	-43.63	17.1332G	-35.43	1
2452MHz	Pass	2.43449G	0.96	-29.04	2.17373G	-44.73	2.39032G	-44.50	2.49074G	-42.31	15.05222G	-35.35	2

