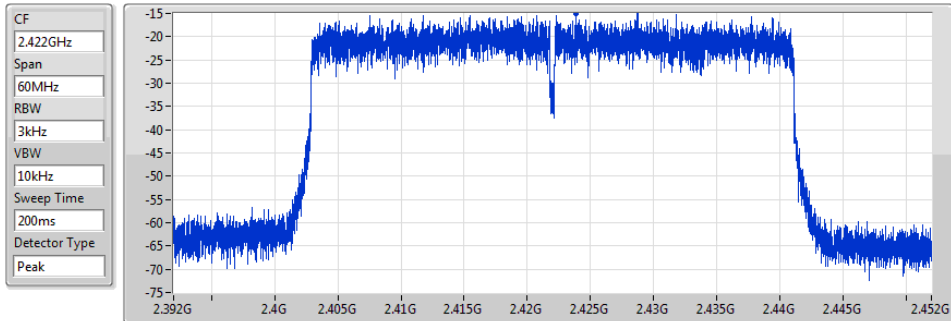


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

17/09/2019



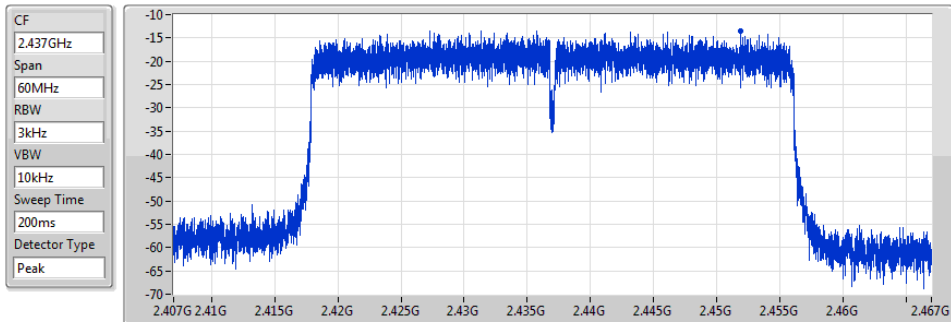
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.04	-15.04	-15.04

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

17/09/2019



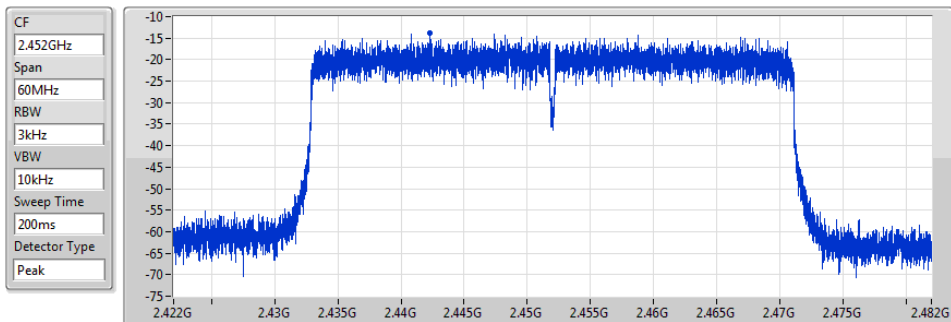
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.40	-13.40	-13.40

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

17/09/2019



Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.87	-13.87	-13.87



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.42
802.11g_Nss1,(6Mbps)_2TX	-4.06
VHT20_Nss2,(MCS0)_2TX	-6.34
VHT40_Nss2,(MCS0)_2TX	-12.93
802.11ax HEW20_Nss2,(MCS0)_2TX	-6.82
802.11ax HEW40_Nss2,(MCS0)_2TX	-14.64

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-2.64	-2.75	-1.35	0.49
2437MHz	Pass	13.51	-2.04	-1.34	0.42	0.49
2462MHz	Pass	13.51	-1.33	-2.19	-0.24	0.49
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-10.15	-10.38	-8.00	0.49
2437MHz	Pass	13.51	-7.20	-6.95	-4.06	0.49
2462MHz	Pass	13.51	-10.49	-10.91	-7.73	0.49
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.50	-12.45	-12.36	-11.40	3.50
2437MHz	Pass	10.50	-8.56	-7.70	-6.34	3.50
2462MHz	Pass	10.50	-13.39	-13.70	-12.14	3.50
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.50	-16.19	-16.13	-13.64	3.50
2437MHz	Pass	10.50	-15.11	-15.34	-12.93	3.50
2452MHz	Pass	10.50	-18.90	-17.58	-17.06	3.50
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.50	-13.43	-13.62	-12.11	3.50
2437MHz	Pass	10.50	-9.36	-8.76	-6.82	3.50
2462MHz	Pass	10.50	-13.89	-13.07	-10.99	3.50
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.50	-17.78	-17.43	-15.96	3.50
2437MHz	Pass	10.50	-16.12	-15.40	-14.64	3.50
2452MHz	Pass	10.50	-18.69	-18.84	-17.86	3.50

DG = Directional Gain; RBW=3 kHz;

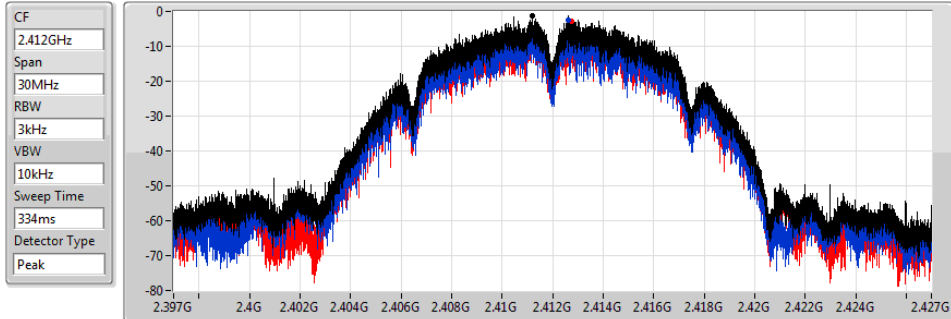
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

18/10/2019



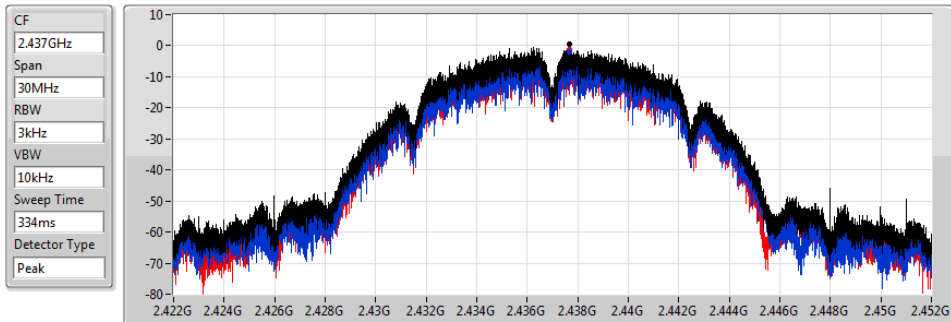
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.35	-1.35	-2.64	-2.75

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

18/10/2019



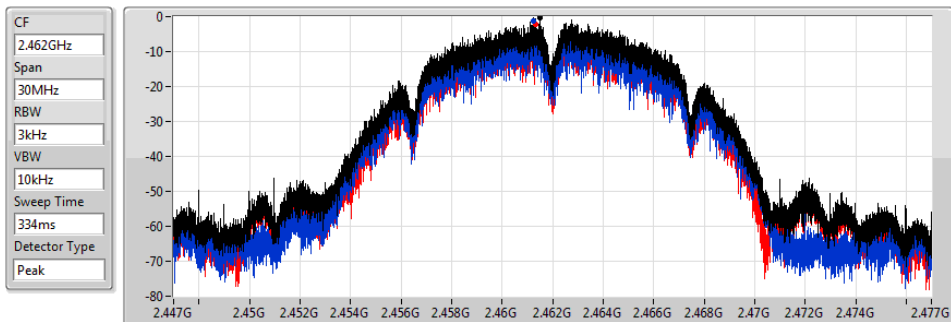
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
0.42	0.42	-2.04	-1.34

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

18/10/2019



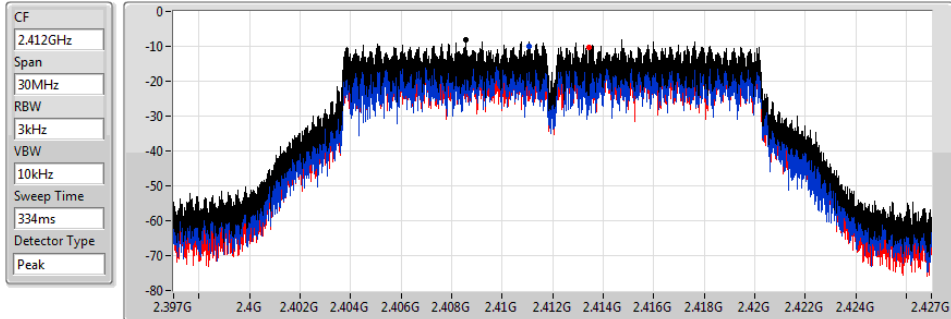
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.24	-0.24	-1.33	-2.19

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

18/10/2019



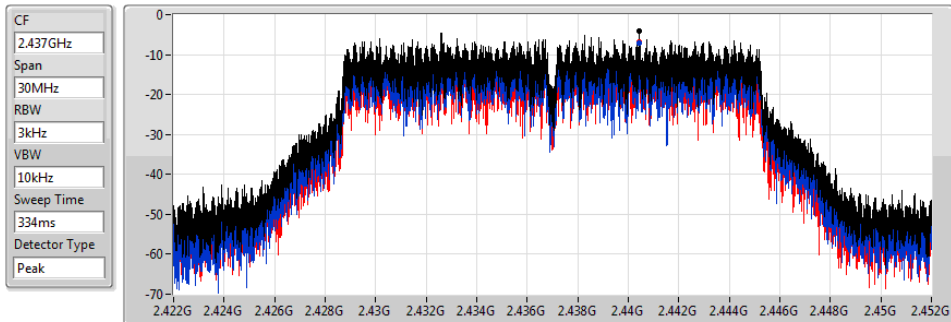
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.00	-8.00	-10.15	-10.38

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

18/10/2019



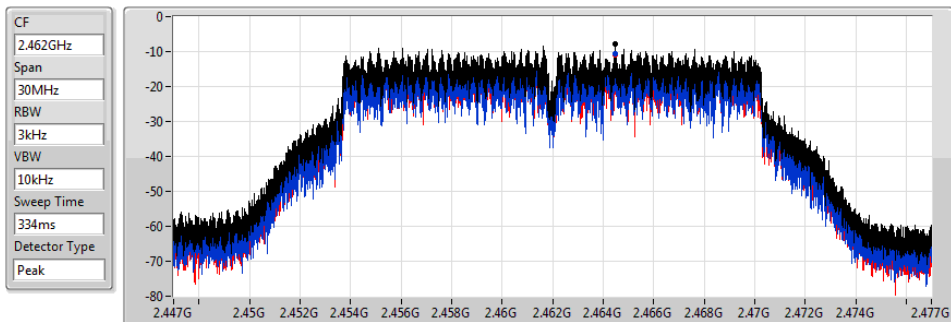
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-4.06	-4.06	-7.20	-6.95

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

18/10/2019



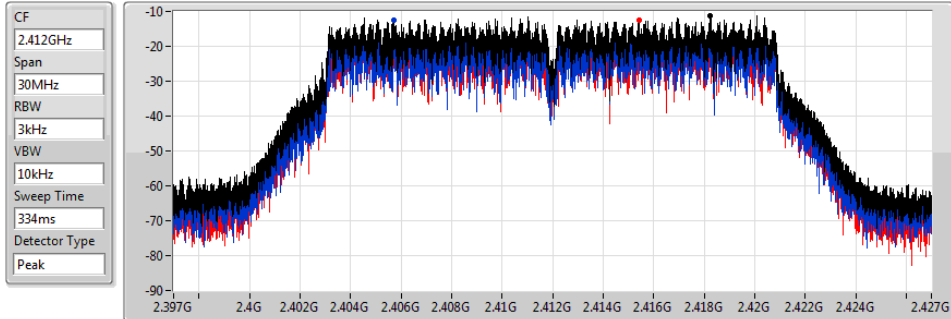
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-7.73	-7.73	-10.49	-10.91

VHT20_Nss2,(MCS0)_2TX

PSD

2412MHz

18/10/2019



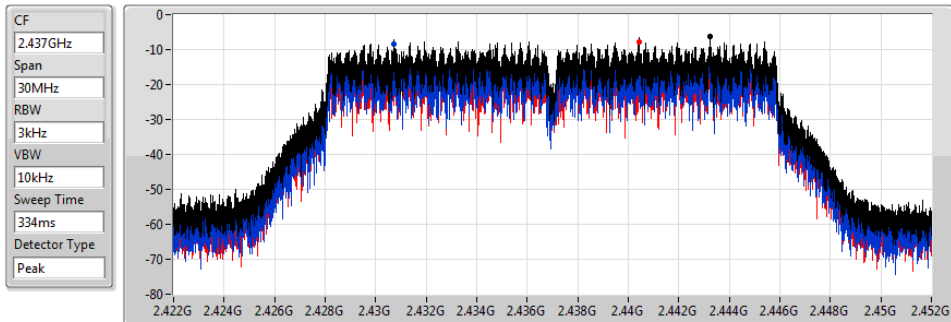
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.40	-11.40	-12.45	-12.36

VHT20_Nss2,(MCS0)_2TX

PSD

2437MHz

18/10/2019



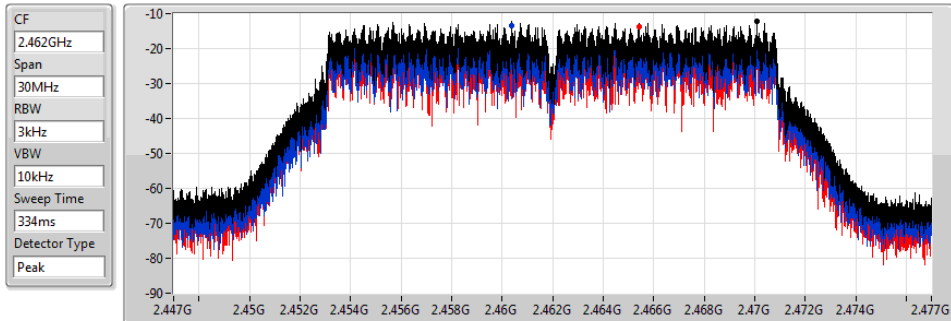
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.34	-6.34	-8.56	-7.70

VHT20_Nss2,(MCS0)_2TX

PSD

2462MHz

18/10/2019



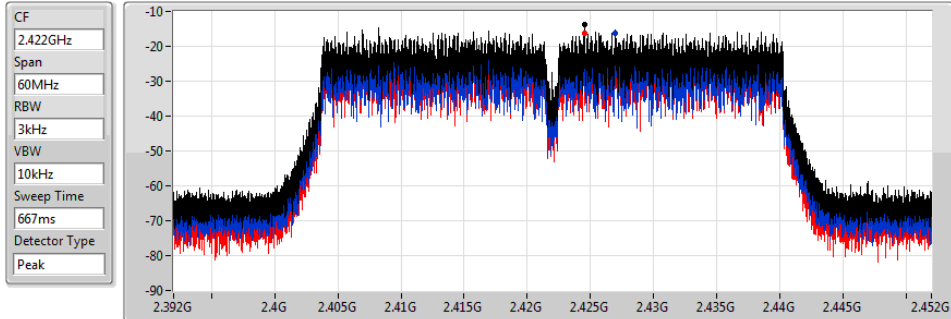
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.14	-12.14	-13.39	-13.70

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

18/10/2019



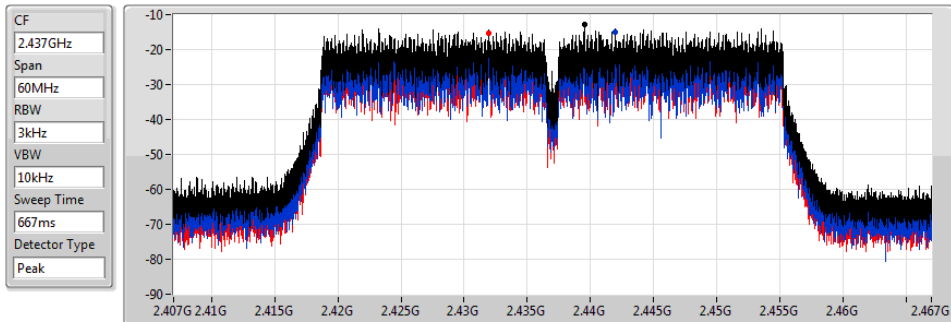
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.64	-13.64	-16.19	-16.13

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

18/10/2019



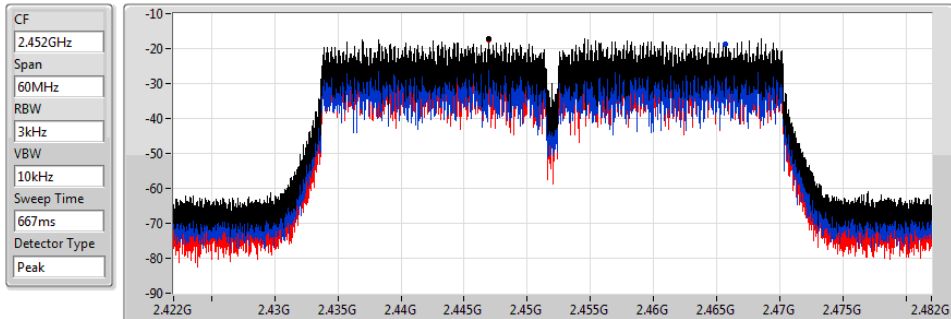
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.93	-12.93	-15.11	-15.34

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

18/10/2019



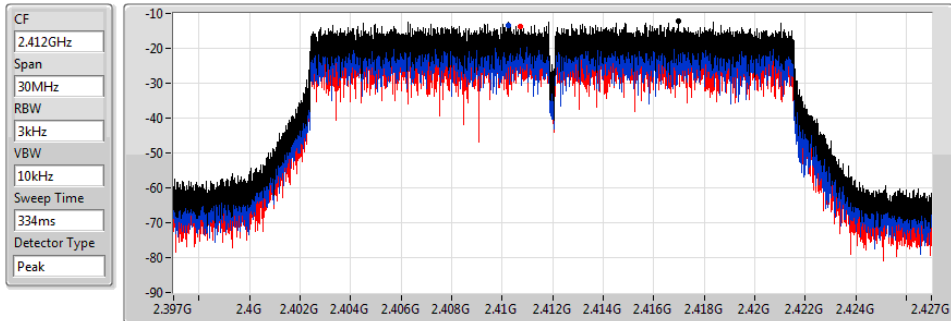
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.06	-17.06	-18.90	-17.58

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

18/10/2019



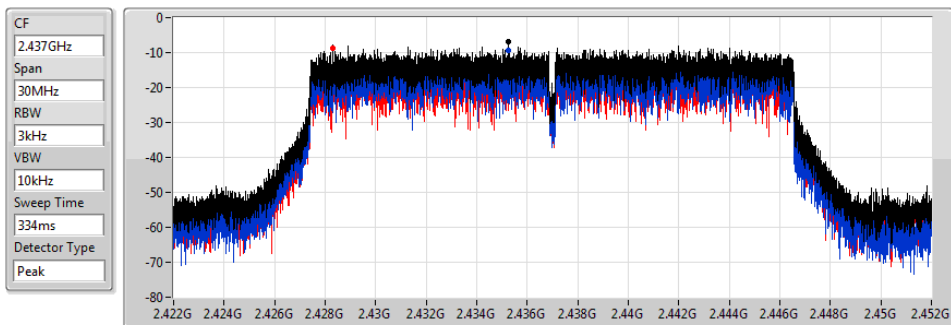
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.11	-12.11	-13.43	-13.62

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

18/10/2019



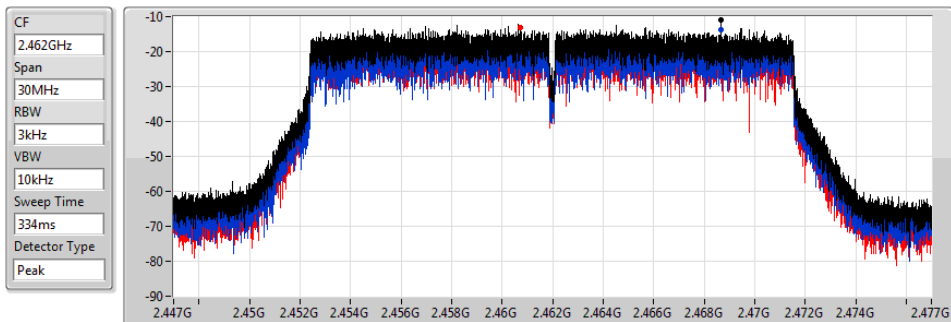
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.82	-6.82	-9.36	-8.76

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

18/10/2019



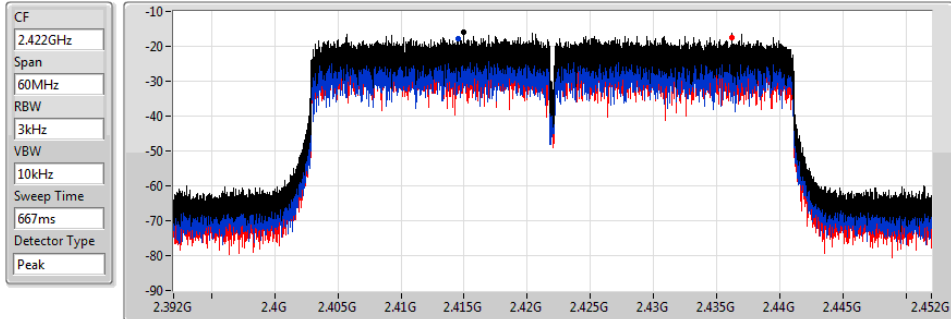
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.99	-10.99	-13.89	-13.07

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

18/10/2019



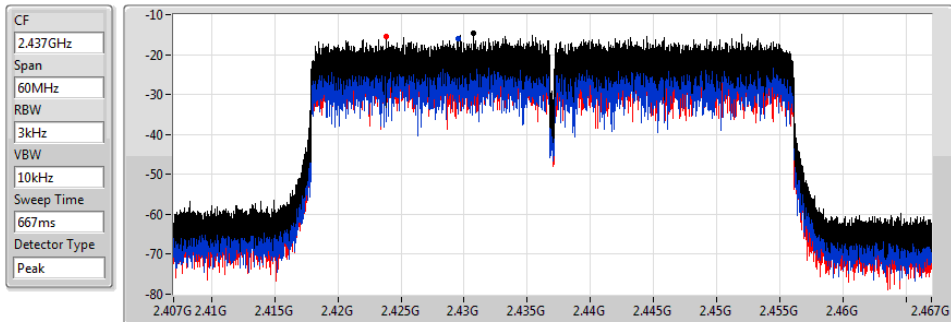
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.96	-15.96	-17.78	-17.43

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

18/10/2019



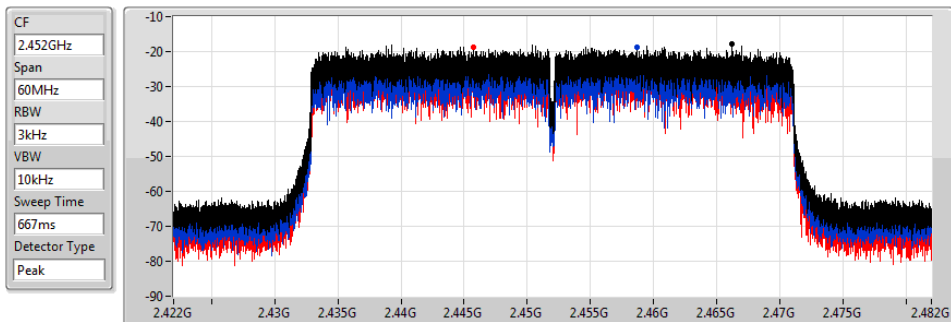
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.64	-14.64	-16.12	-15.40

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

18/10/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.86	-17.86	-18.69	-18.84



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	1.37
VHT40-BF_Nss1,(MCS0)_2TX	-3.91
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-5.10

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.83	-5.36	-4.10	-3.78	6.17
2437MHz	Pass	7.83	-1.32	0.08	1.37	6.17
2462MHz	Pass	7.83	-4.81	-8.57	-4.59	6.17
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.83	-5.86	-5.60	-5.58	6.17
2437MHz	Pass	7.83	-4.12	-4.42	-3.91	6.17
2452MHz	Pass	7.83	-6.33	-6.84	-6.09	6.17
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.83	-5.44	-6.49	-4.69	6.17
2437MHz	Pass	7.83	-1.25	-0.26	0.49	6.17
2462MHz	Pass	7.83	-9.06	-7.59	-5.91	6.17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.83	-5.76	-6.75	-5.57	6.17
2437MHz	Pass	7.83	-5.86	-5.31	-5.20	6.17
2452MHz	Pass	7.83	-6.43	-5.41	-5.10	6.17

DG = Directional Gain; RBW=3 kHz;

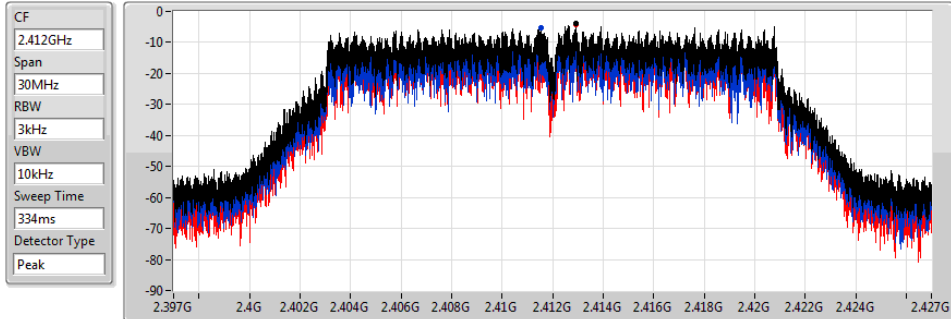
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

04/10/2019



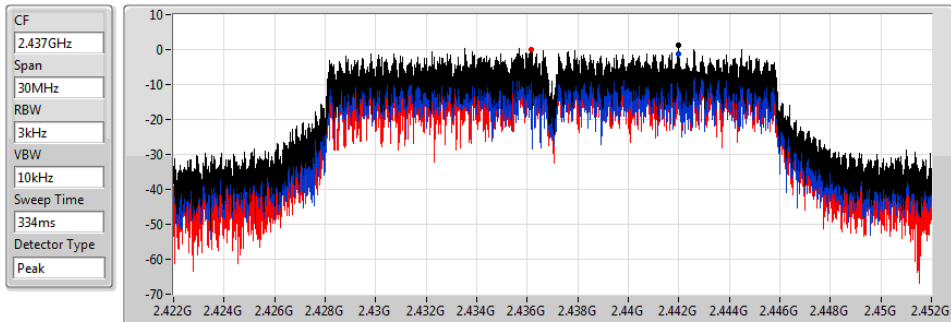
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.78	-3.78	-5.36	-4.10

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

04/10/2019



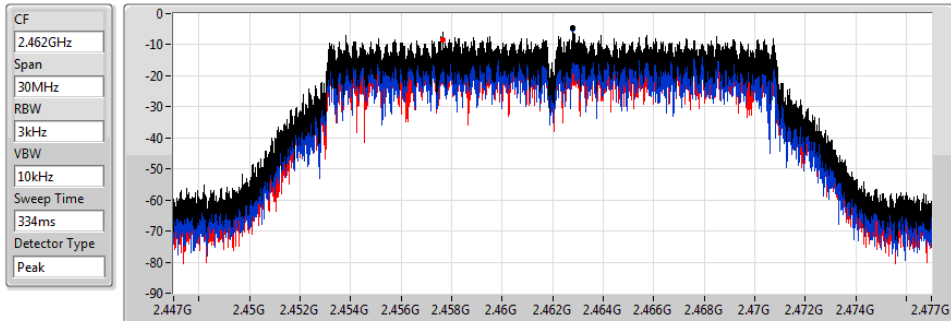
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.37	1.37	-1.32	0.08

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

04/10/2019



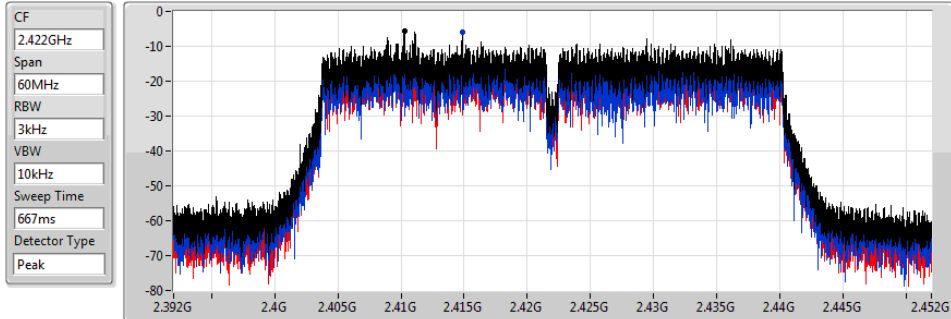
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.59	-4.59	-4.81	-8.57

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

04/10/2019



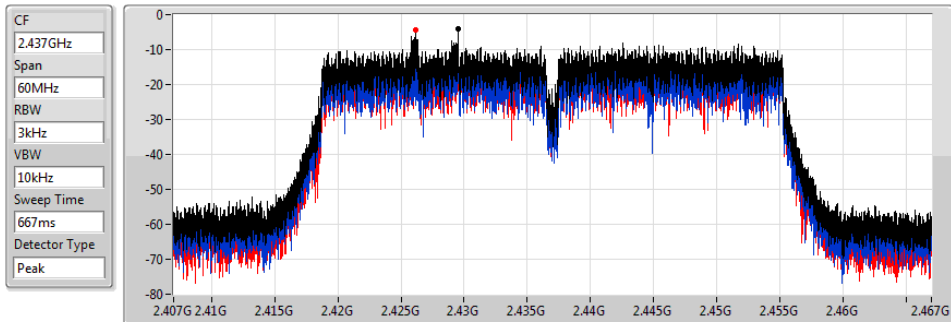
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.58	-5.58	-5.86	-5.60

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

04/10/2019



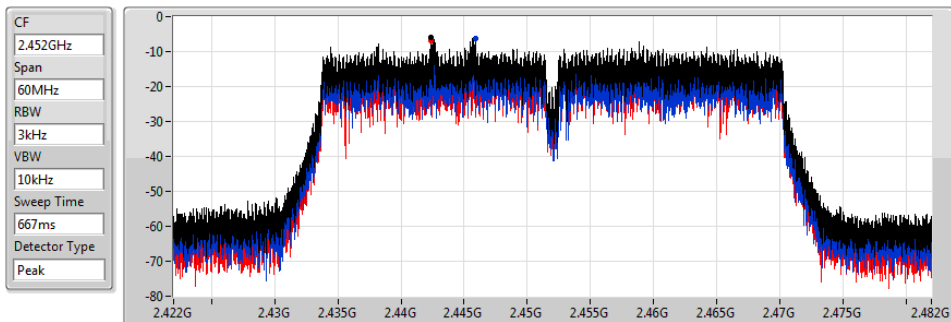
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.91	-3.91	-4.12	-4.42

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

04/10/2019



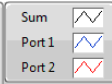
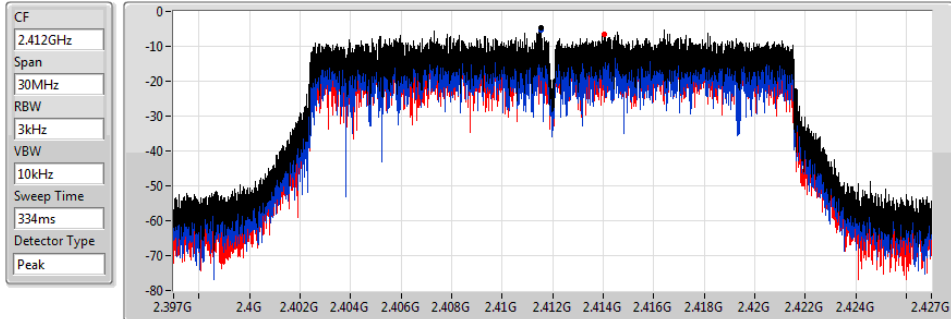
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.09	-6.09	-6.33	-6.84

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

04/10/2019



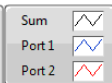
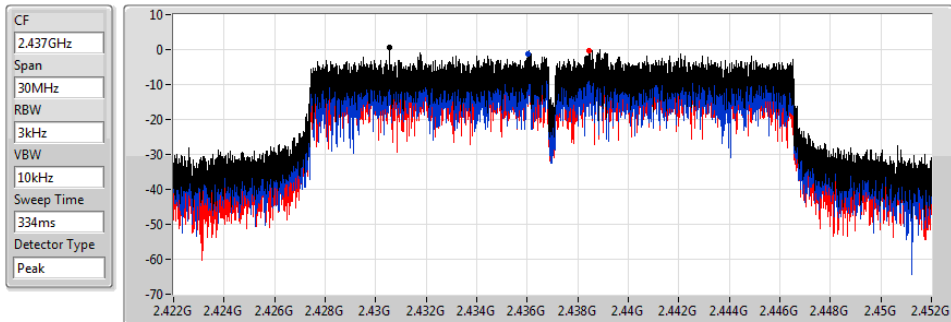
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.69	-4.69	-5.44	-6.49

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

04/10/2019



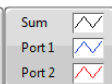
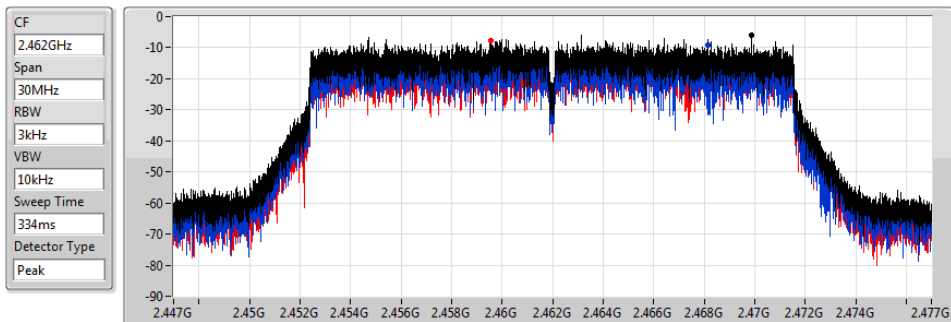
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.49	0.49	-1.25	-0.26

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

04/10/2019



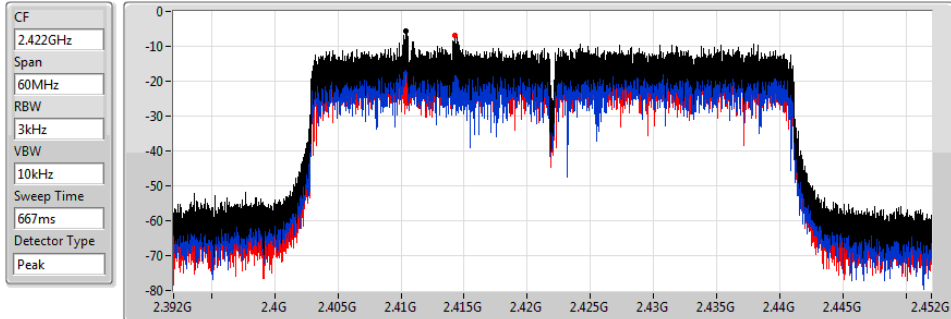
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.91	-5.91	-9.06	-7.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

04/10/2019



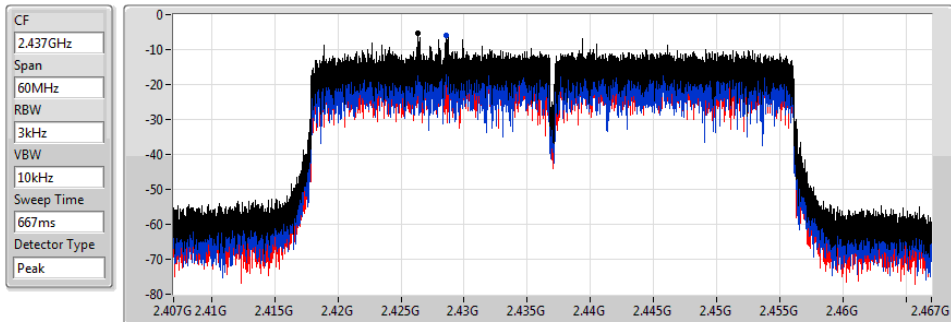
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.57	-5.57	-5.76	-6.75

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

04/10/2019



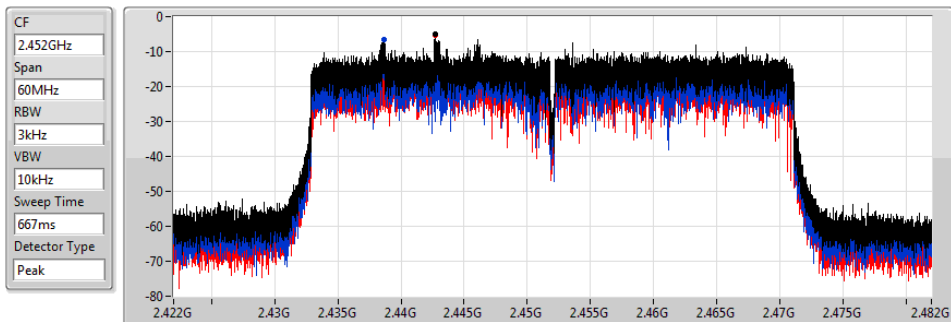
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.20	-5.20	-5.86	-5.31

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

04/10/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.10	-5.10	-6.43	-5.41



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-1.92
VHT40-BF_Nss1,(MCS0)_2TX	-8.03
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-4.20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-8.91

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.88	-6.94	-6.34	-5.62	6.12
2437MHz	Pass	7.88	-2.92	-2.27	-1.92	6.12
2462MHz	Pass	7.88	-6.99	-6.70	-6.00	6.12
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.88	-10.47	-10.26	-9.36	6.12
2437MHz	Pass	7.88	-8.86	-9.30	-8.03	6.12
2452MHz	Pass	7.88	-10.93	-8.75	-8.45	6.12
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.88	-6.82	-8.69	-6.17	6.12
2437MHz	Pass	7.88	-4.70	-4.81	-4.20	6.12
2462MHz	Pass	7.88	-8.93	-9.11	-8.43	6.12
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.88	-10.19	-11.72	-9.94	6.12
2437MHz	Pass	7.88	-10.26	-9.33	-8.91	6.12
2452MHz	Pass	7.88	-9.97	-9.82	-9.34	6.12

DG = Directional Gain; RBW=3 kHz;

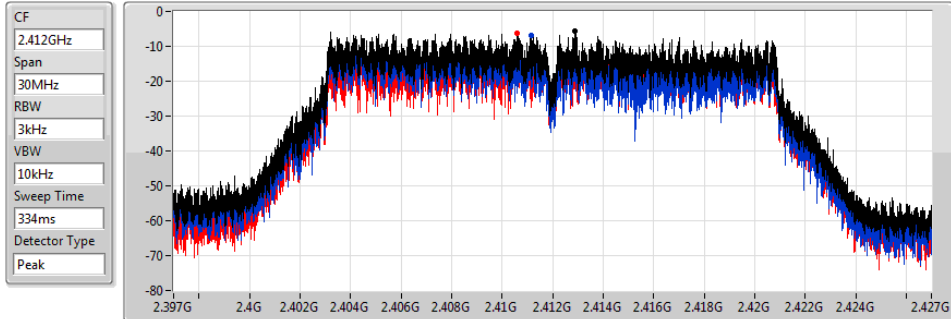
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

08/10/2019



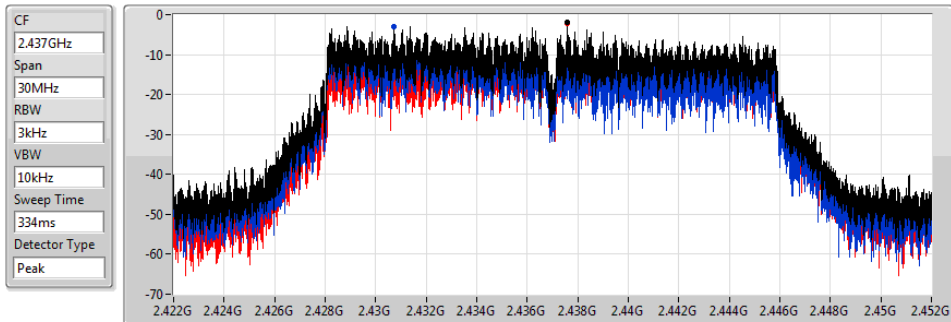
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.62	-5.62	-6.94	-6.34

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

08/10/2019



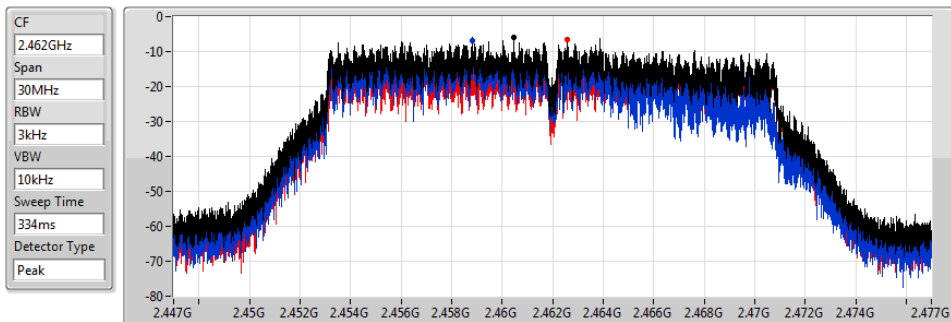
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.92	-1.92	-2.92	-2.27

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

08/10/2019



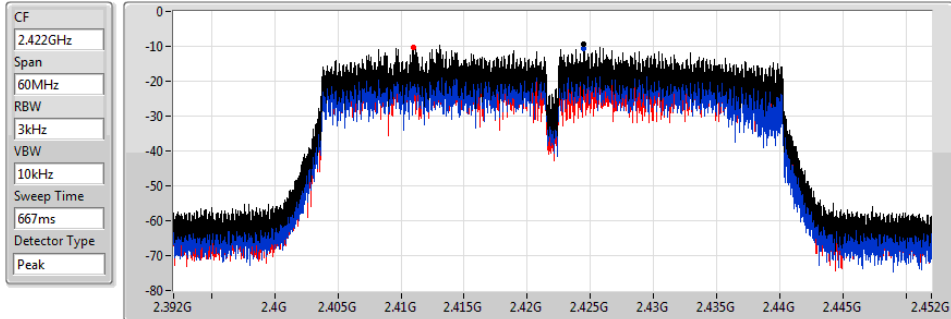
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.00	-6.00	-6.99	-6.70

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

08/10/2019



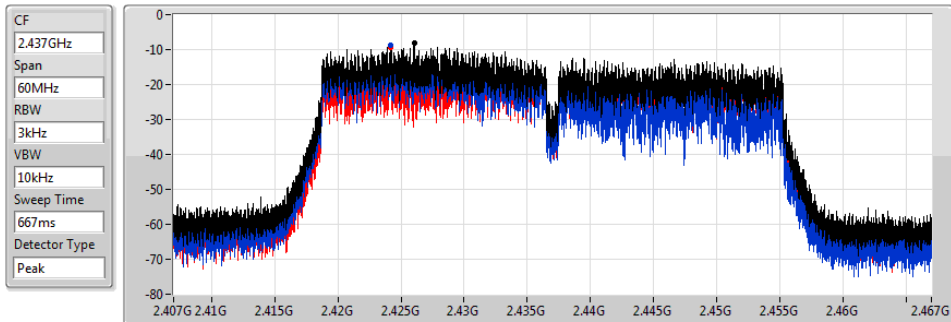
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.36	-9.36	-10.47	-10.26

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

08/10/2019



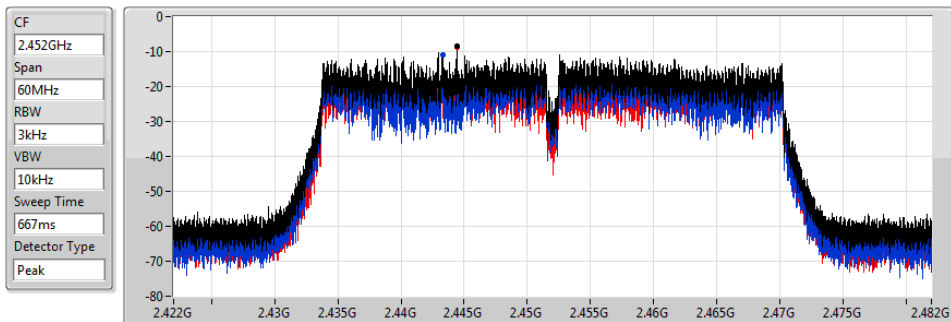
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.03	-8.03	-8.86	-9.30

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

08/10/2019



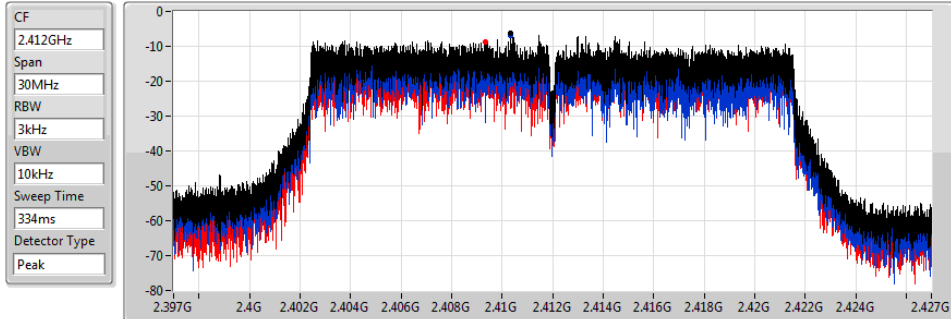
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.45	-8.45	-10.93	-8.75

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

08/10/2019



Sum
Port 1
Port 2

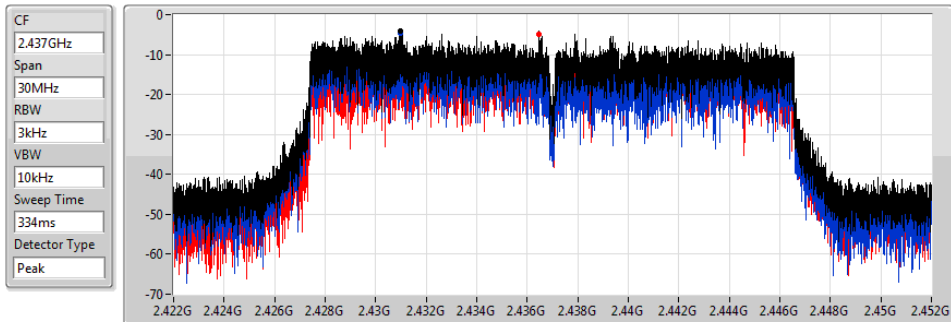
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.17	-6.17	-6.82	-8.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

08/10/2019



Sum
Port 1
Port 2

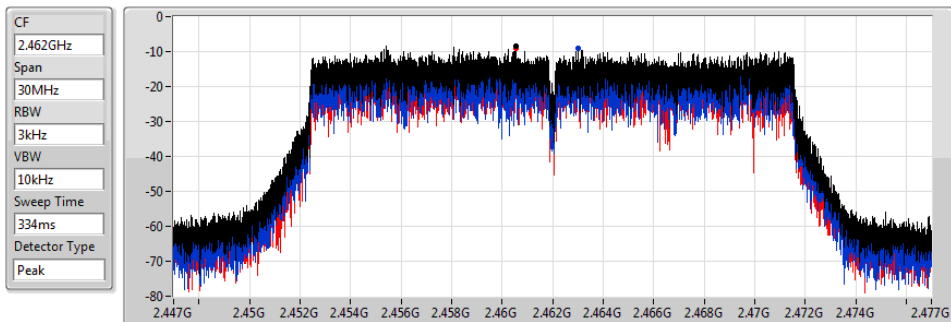
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-4.70	-4.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

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Sum
Port 1
Port 2

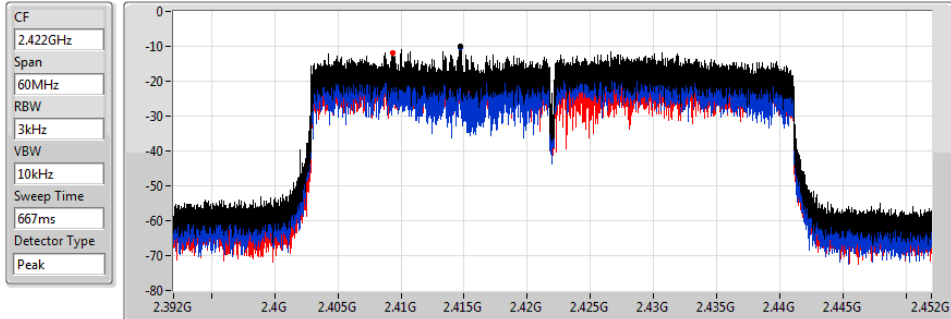
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.43	-8.43	-8.93	-9.11

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

08/10/2019



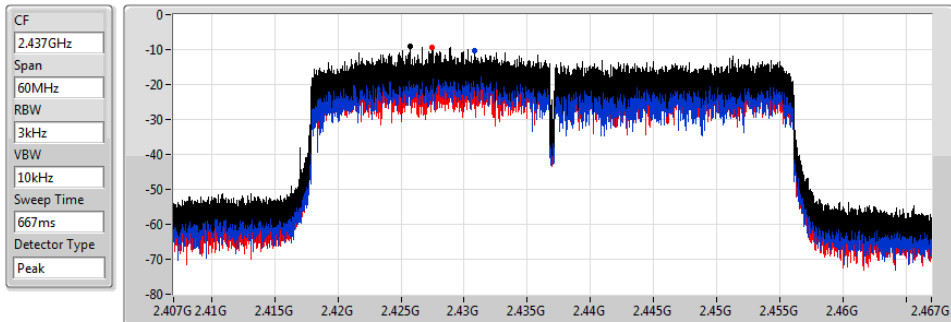
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-9.94	-9.94	-10.19	-11.72

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

08/10/2019



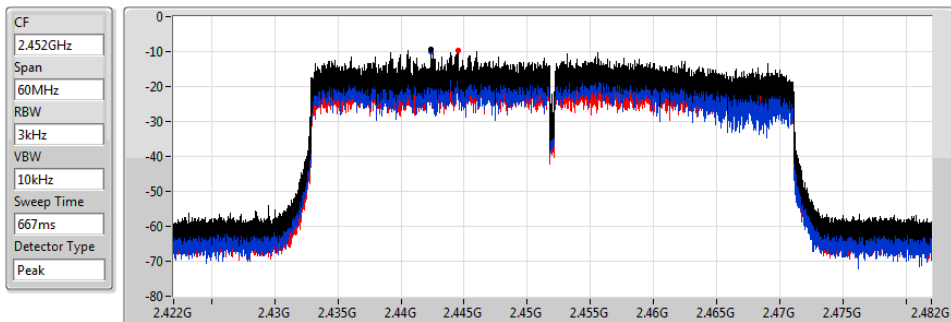
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-8.91	-8.91	-10.26	-9.33

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

08/10/2019



Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-9.34	-9.34	-9.97	-9.82



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-1.27
VHT40-BF_Nss1,(MCS0)_2TX	-7.66
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-0.89
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-5.99

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-3.92	-7.74	-3.66	5.99
2437MHz	Pass	8.01	-2.30	-4.74	-1.27	5.99
2462MHz	Pass	8.01	-8.83	-7.26	-6.42	5.99
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-8.08	-9.34	-7.93	5.99
2437MHz	Pass	8.01	-8.07	-8.56	-7.66	5.99
2452MHz	Pass	8.01	-9.66	-9.93	-8.56	5.99
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-7.14	-8.34	-6.80	5.99
2437MHz	Pass	8.01	-3.84	-1.11	-0.89	5.99
2462MHz	Pass	8.01	-9.05	-5.63	-4.94	5.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-8.12	-9.56	-7.99	5.99
2437MHz	Pass	8.01	-8.34	-6.06	-5.99	5.99
2452MHz	Pass	8.01	-9.58	-9.46	-8.99	5.99

DG = Directional Gain; RBW=3 kHz;

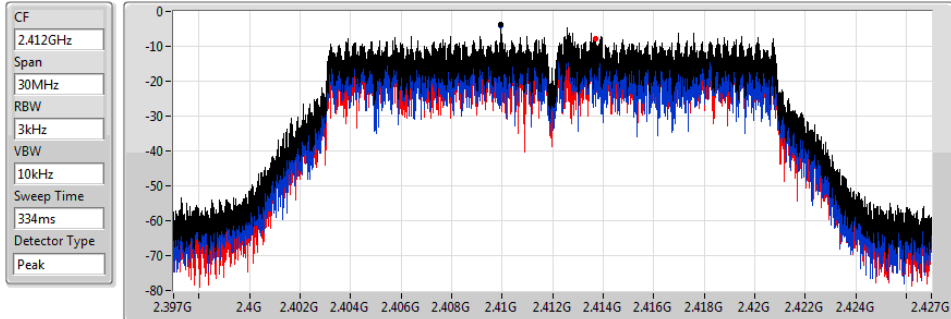
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



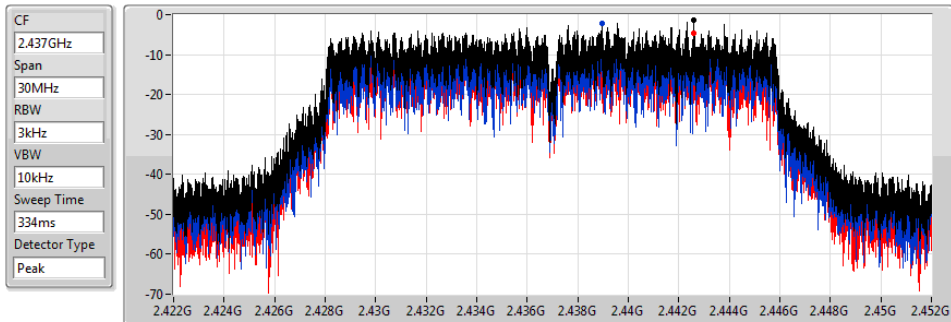
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.66	-3.66	-3.92	-7.74

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



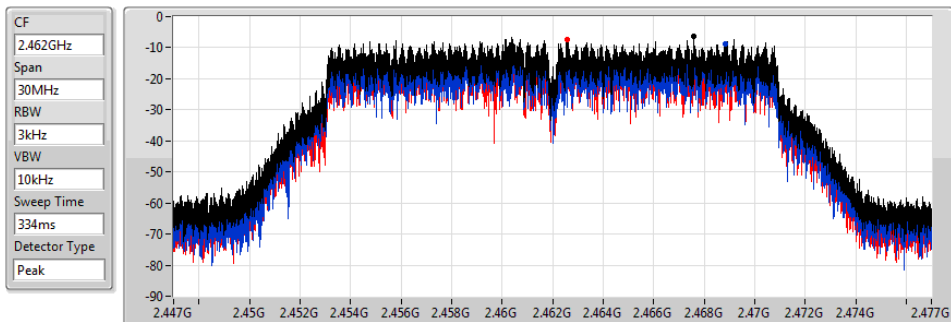
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.27	-1.27	-2.30	-4.74

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



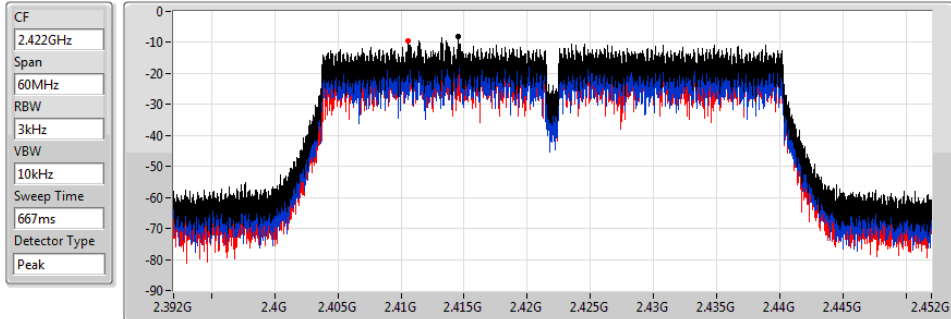
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.42	-6.42	-8.83	-7.26

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



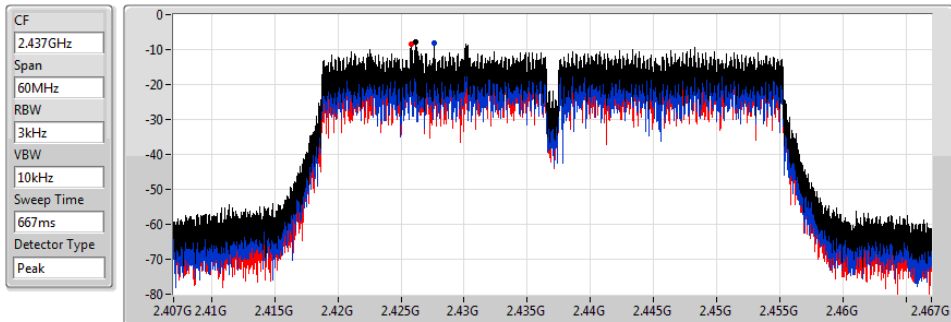
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-8.08	-9.34

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



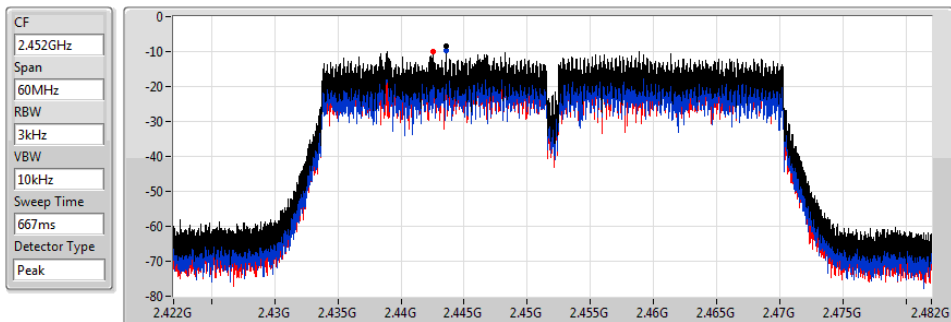
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.66	-7.66	-8.07	-8.56

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



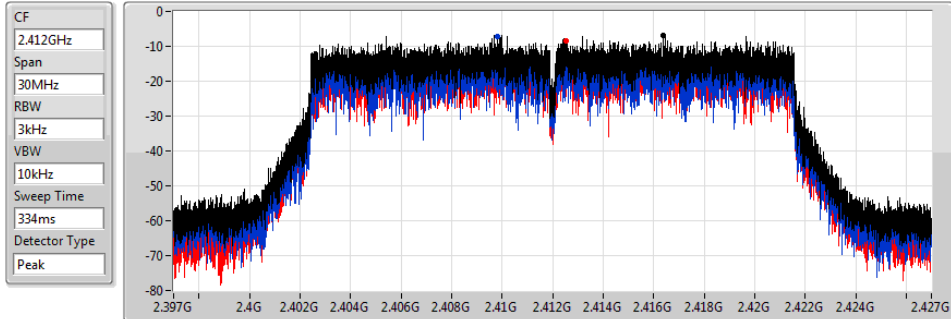
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.56	-8.56	-9.66	-9.93

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



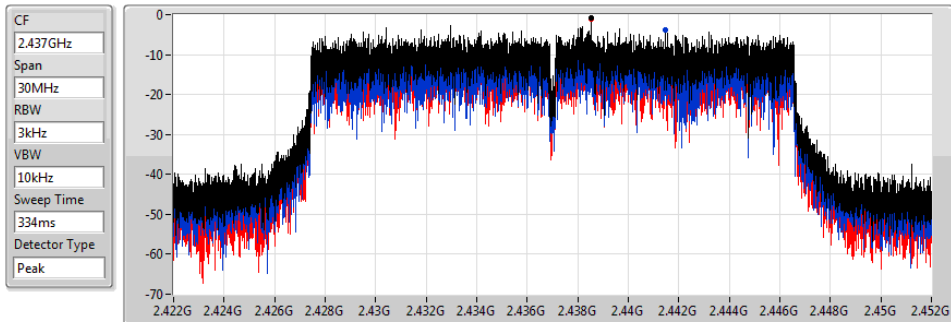
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.80	-6.80	-7.14	-8.34

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



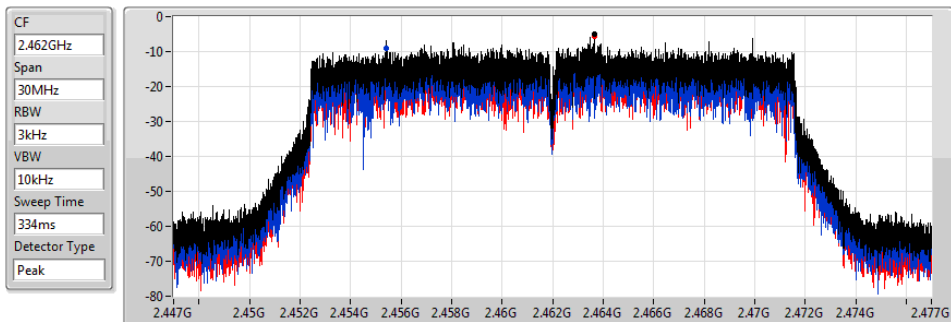
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.89	-0.89	-3.84	-1.11

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



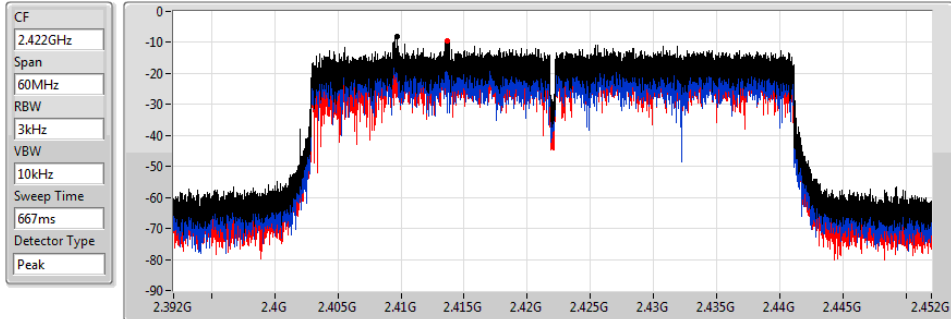
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.94	-4.94	-9.05	-5.63

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



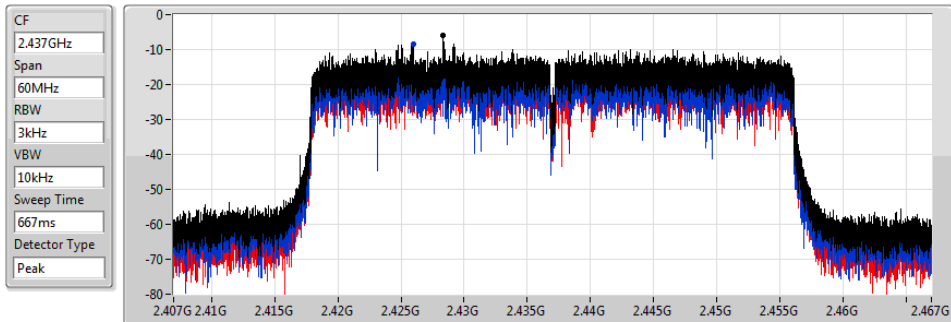
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.99	-7.99	-8.12	-9.56

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



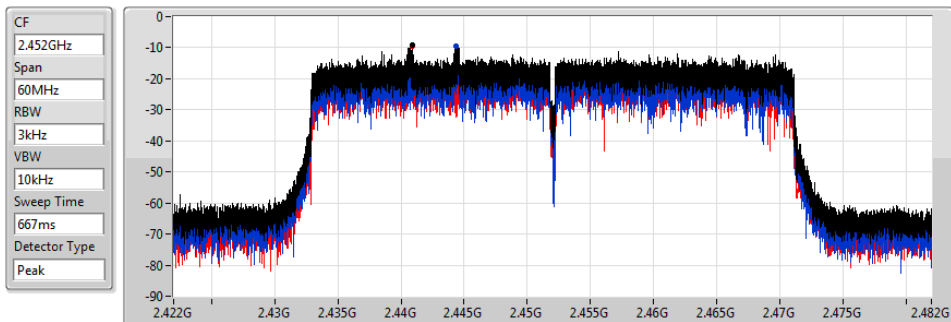
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.99	-5.99	-8.34	-6.06

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.99	-8.99	-9.58	-9.46



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-5.76
VHT40-BF_Nss1,(MCS0)_2TX	-6.25
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-6.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-6.96

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-8.25	-6.87	-6.82	3.19
2437MHz	Pass	10.81	-8.17	-5.96	-5.76	3.19
2462MHz	Pass	10.81	-8.43	-7.23	-6.61	3.19
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-11.77	-11.81	-9.18	3.19
2437MHz	Pass	10.81	-6.93	-8.01	-6.25	3.19
2452MHz	Pass	10.81	-9.51	-11.00	-8.66	3.19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-10.26	-6.86	-6.19	3.19
2437MHz	Pass	10.81	-9.26	-8.65	-6.67	3.19
2462MHz	Pass	10.81	-9.20	-6.94	-6.45	3.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-8.68	-10.22	-8.43	3.19
2437MHz	Pass	10.81	-8.27	-7.13	-6.96	3.19
2452MHz	Pass	10.81	-8.61	-9.80	-8.41	3.19

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

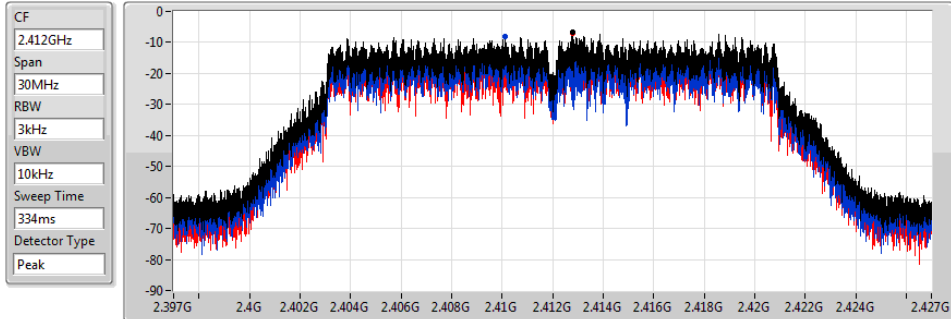
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



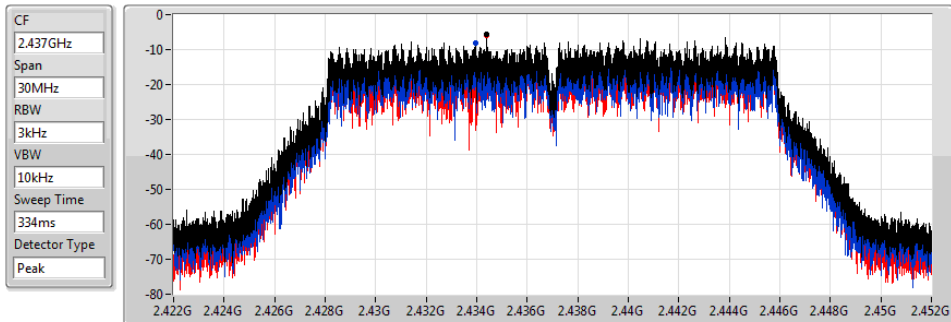
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.82	-6.82	-8.25	-6.87

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



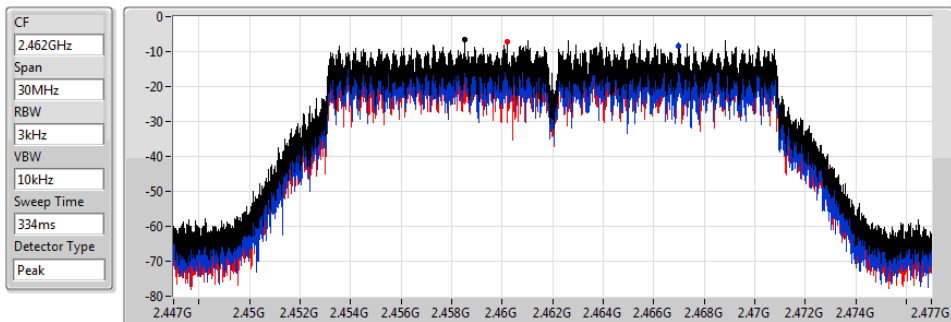
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.76	-5.76	-8.17	-5.96

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



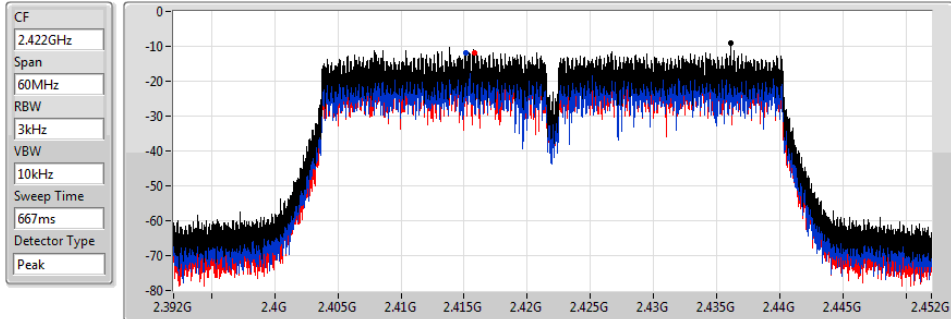
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.61	-6.61	-8.43	-7.23

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



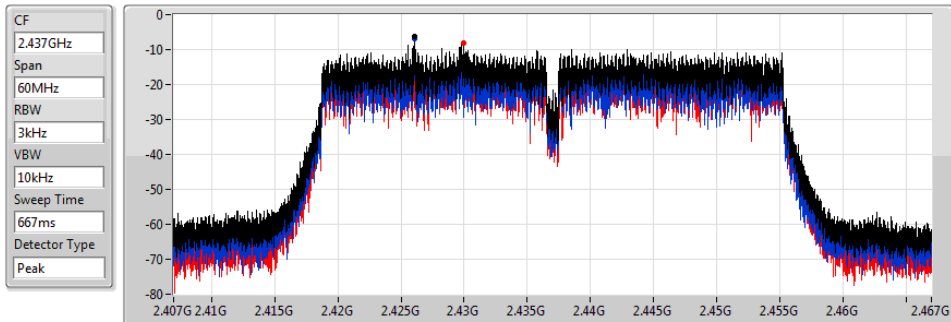
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.18	-9.18	-11.77	-11.81

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



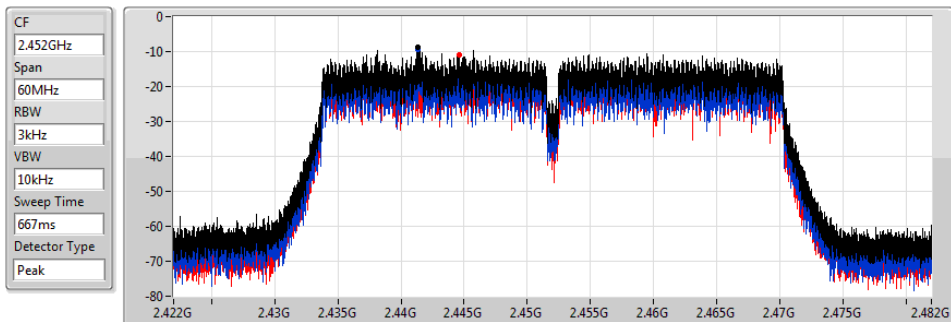
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.25	-6.25	-6.93	-8.01

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



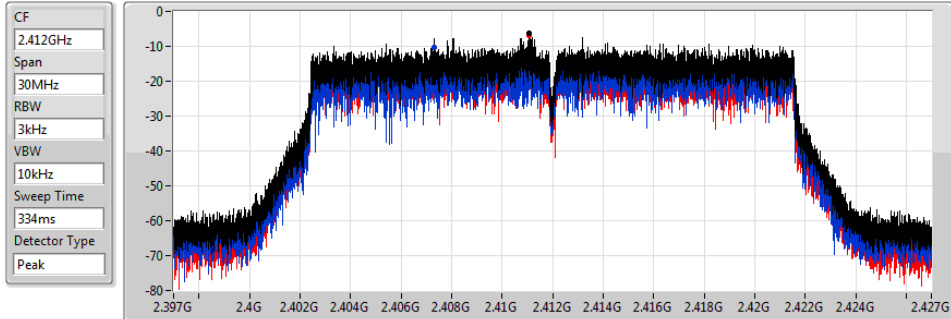
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.66	-8.66	-9.51	-11.00

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



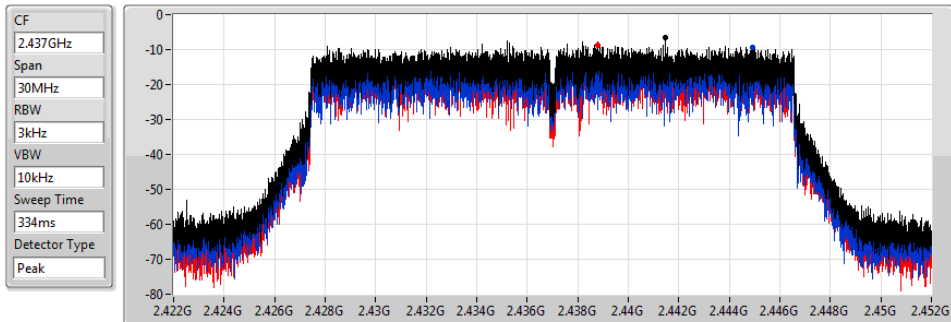
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-6.19	-6.19	-10.26	-6.86

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



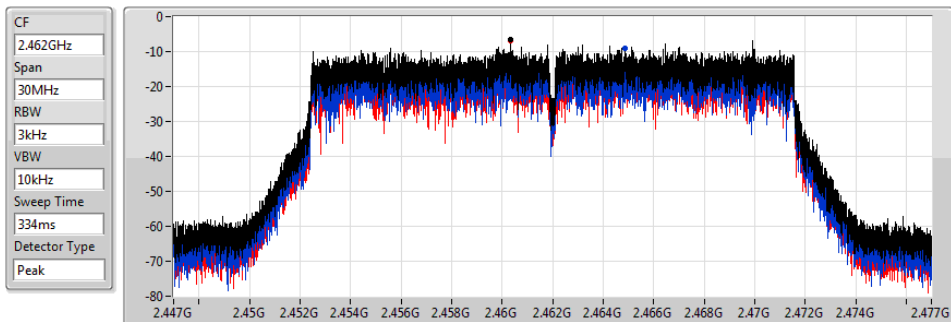
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-6.67	-6.67	-9.26	-8.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



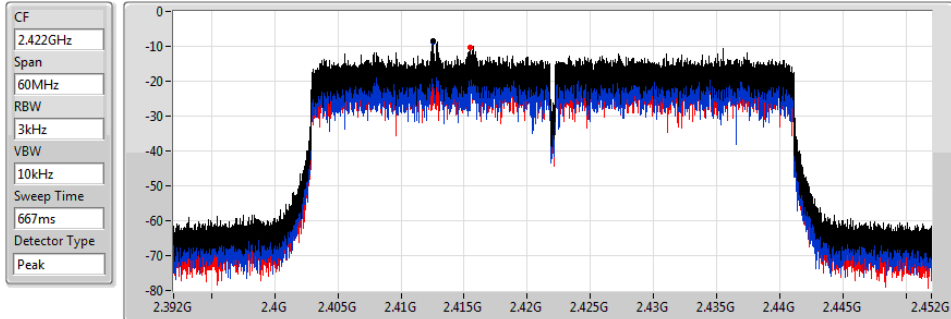
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-6.45	-6.45	-9.20	-6.94

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



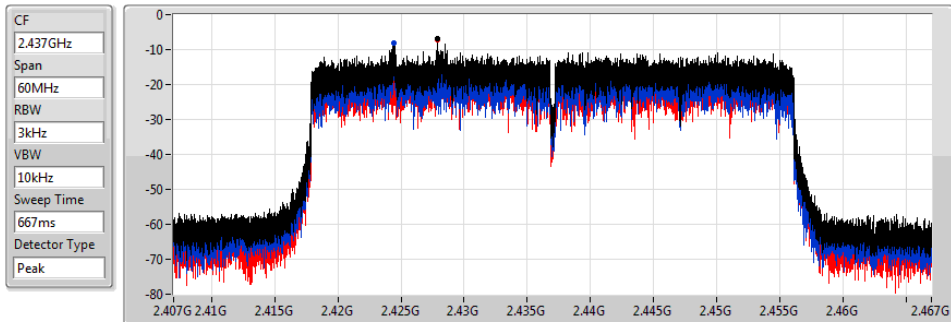
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.43	-8.43	-8.68	-10.22

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



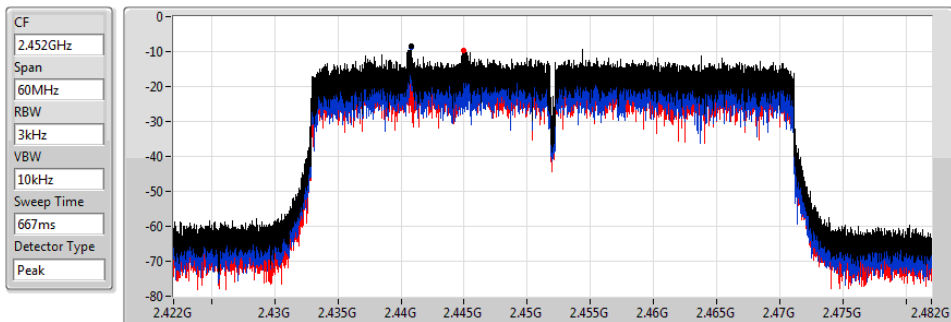
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.96	-6.96	-8.27	-7.13

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.41	-8.41	-8.61	-9.80



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-3.16
VHT40-BF_Nss1,(MCS0)_2TX	-4.64
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.34
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-4.02

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-4.80	-5.98	-4.38	0.49
2437MHz	Pass	13.51	-4.81	-6.97	-3.48	0.49
2462MHz	Pass	13.51	-3.62	-3.75	-3.16	0.49
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-5.53	-6.89	-5.21	0.49
2437MHz	Pass	13.51	-6.79	-4.79	-4.64	0.49
2452MHz	Pass	13.51	-5.41	-5.89	-4.88	0.49
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-2.60	-5.26	-2.34	0.49
2437MHz	Pass	13.51	-3.95	-5.83	-3.24	0.49
2462MHz	Pass	13.51	-3.47	-4.15	-3.19	0.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-7.90	-4.30	-4.02	0.49
2437MHz	Pass	13.51	-7.24	-7.09	-6.64	0.49
2452MHz	Pass	13.51	-5.38	-6.98	-4.87	0.49

DG = Directional Gain; RBW=3 kHz;

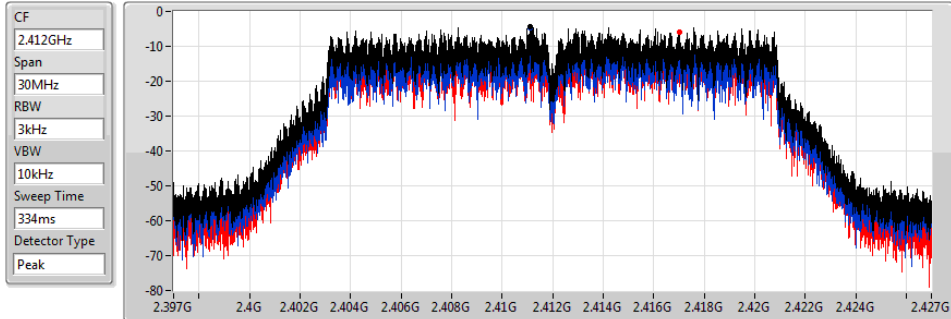
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



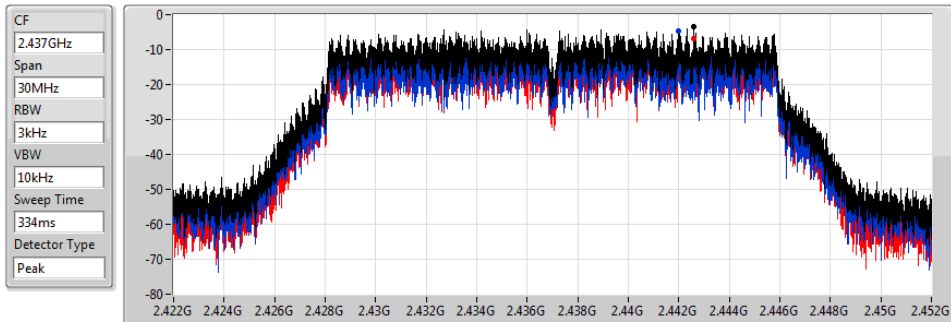
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.38	-4.38	-4.80	-5.98

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



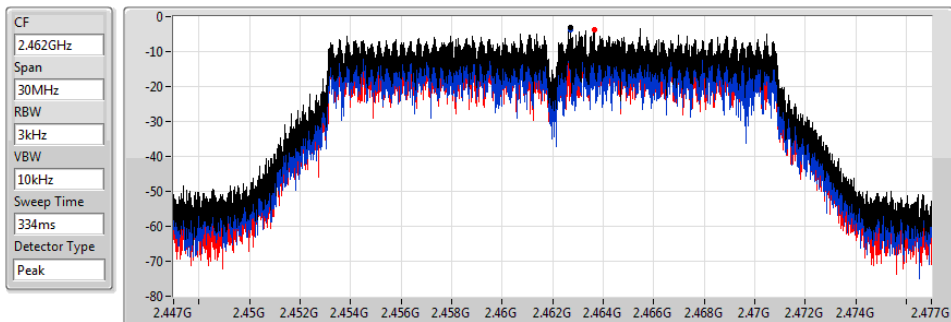
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.48	-3.48	-4.81	-6.97

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



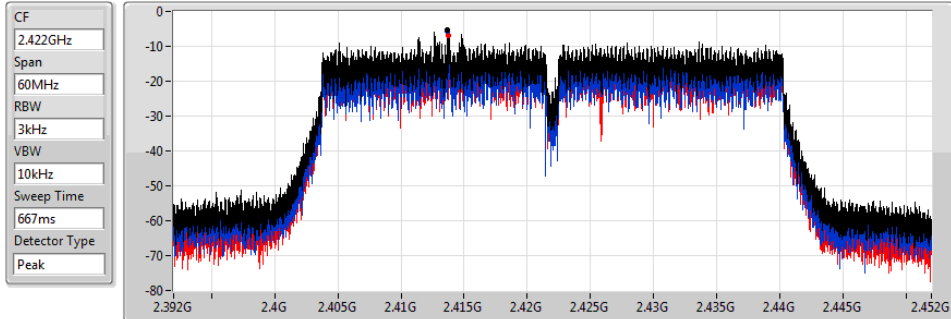
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.16	-3.16	-3.62	-3.75

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



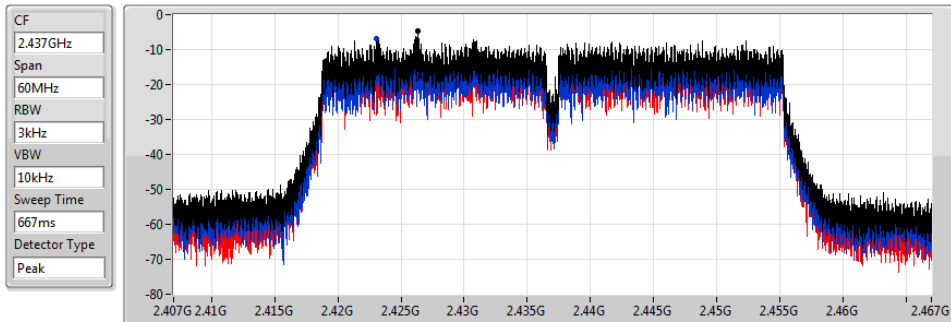
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.21	-5.21	-5.53	-6.89

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



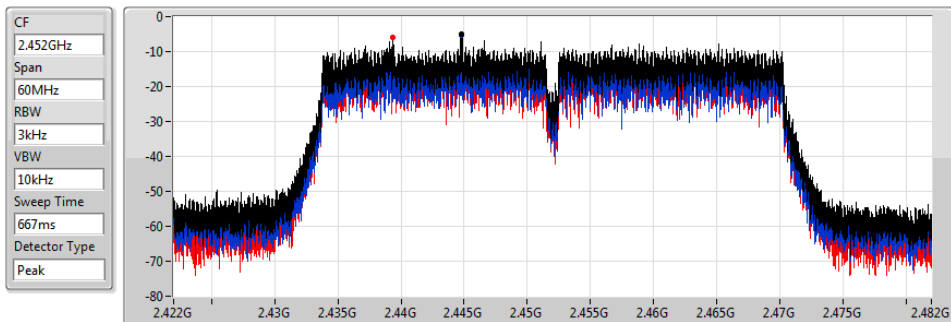
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-6.79	-4.79

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



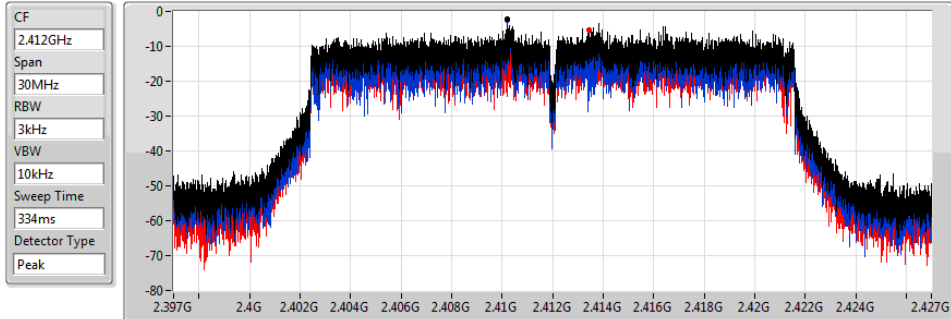
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.88	-4.88	-5.41	-5.89

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2019



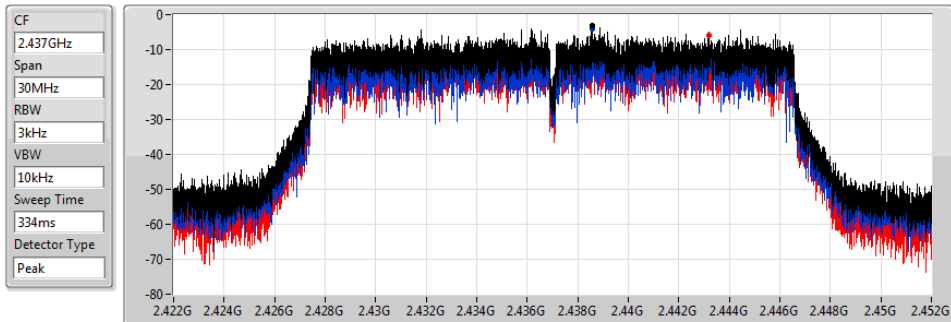
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.34	-2.34	-2.60	-5.26

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



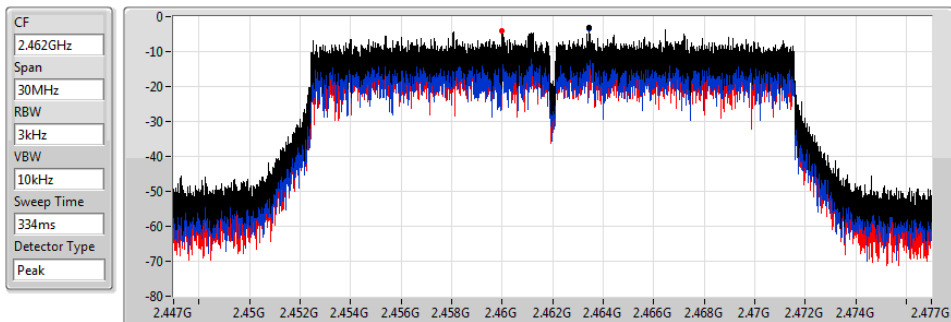
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.24	-3.24	-3.95	-5.83

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2019



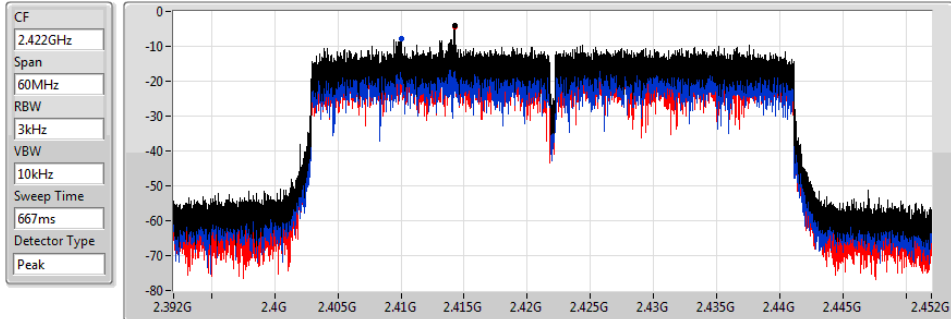
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.19	-3.19	-3.47	-4.15

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2019



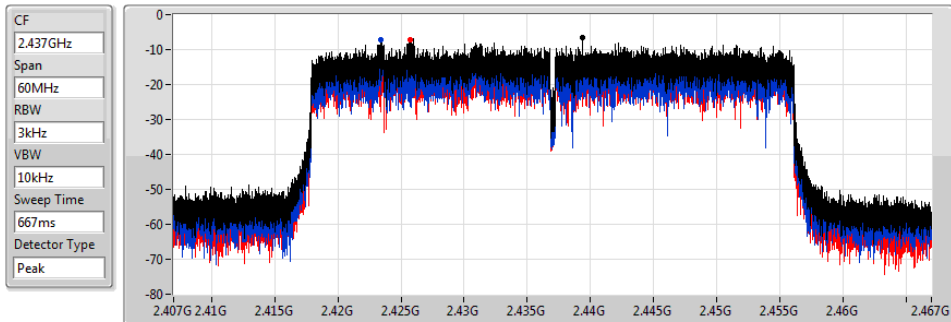
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.02	-4.02	-7.90	-4.30

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2019



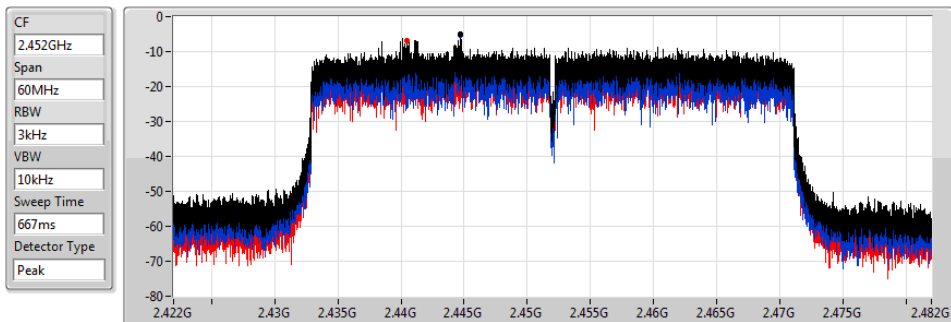
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.64	-6.64	-7.24	-7.09

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.87	-4.87	-5.38	-6.98



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-5.31
VHT40-BF_Nss1,(MCS0)_2TX	-11.40
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-6.02
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-11.76

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-11.78	-11.85	-9.50	5.99
2437MHz	Pass	8.01	-6.88	-7.83	-5.31	5.99
2462MHz	Pass	8.01	-10.56	-11.61	-9.62	5.99
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-15.44	-15.42	-12.65	5.99
2437MHz	Pass	8.01	-14.13	-13.14	-11.40	5.99
2452MHz	Pass	8.01	-14.80	-14.63	-11.71	5.99
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-11.47	-11.32	-8.38	5.99
2437MHz	Pass	8.01	-7.36	-8.37	-6.02	5.99
2462MHz	Pass	8.01	-10.87	-12.50	-9.41	5.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-15.88	-16.39	-14.18	5.99
2437MHz	Pass	8.01	-13.43	-14.04	-11.76	5.99
2452MHz	Pass	8.01	-15.04	-15.00	-13.26	5.99

DG = Directional Gain; RBW=3 kHz;

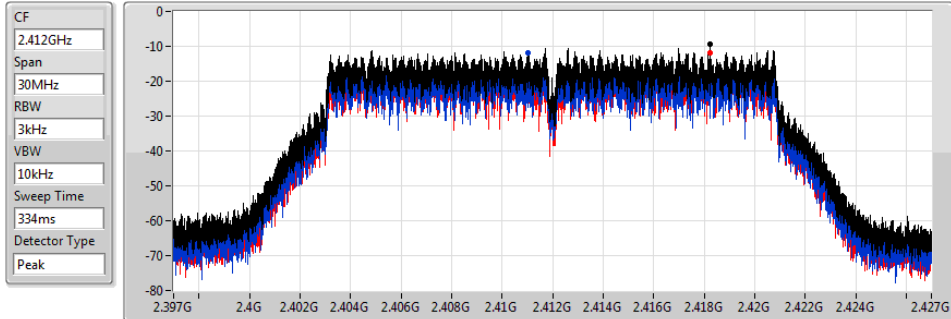
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



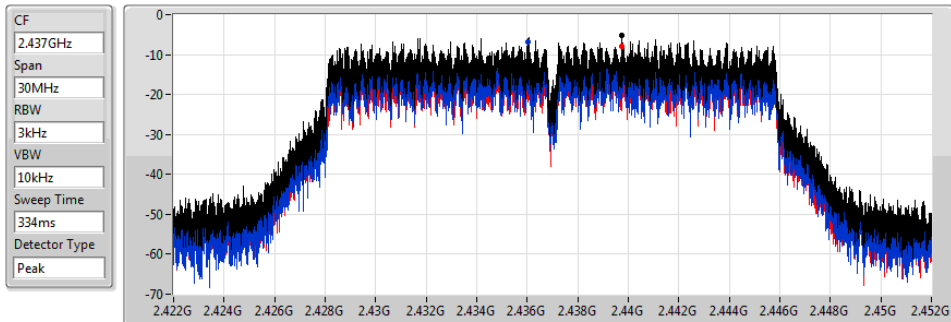
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.50	-9.50	-11.78	-11.85

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



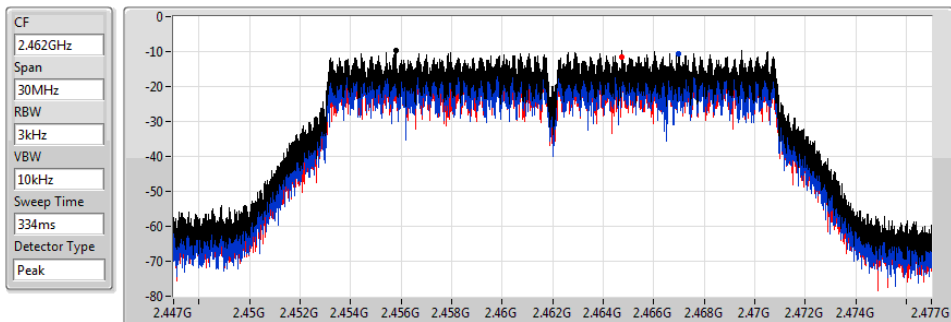
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.31	-5.31	-6.88	-7.83

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/10/2019



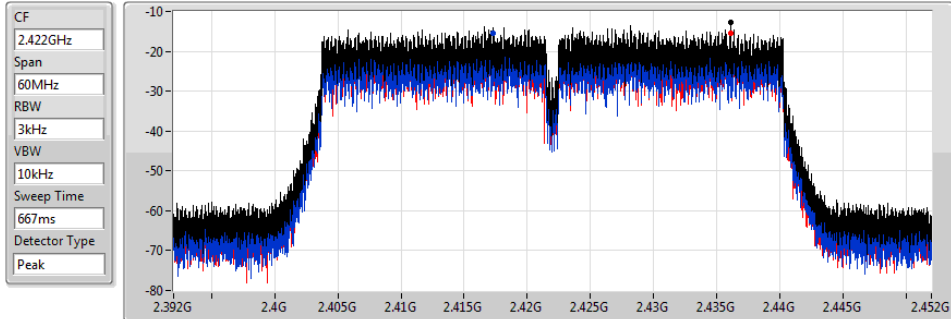
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.62	-9.62	-10.56	-11.61

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/10/2019



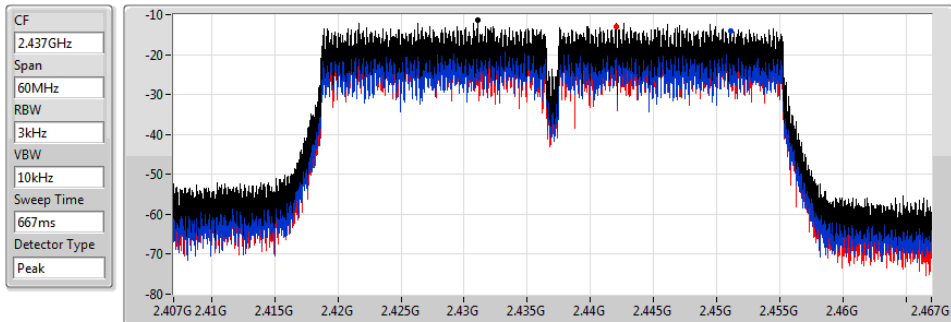
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.65	-12.65	-15.44	-15.42

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



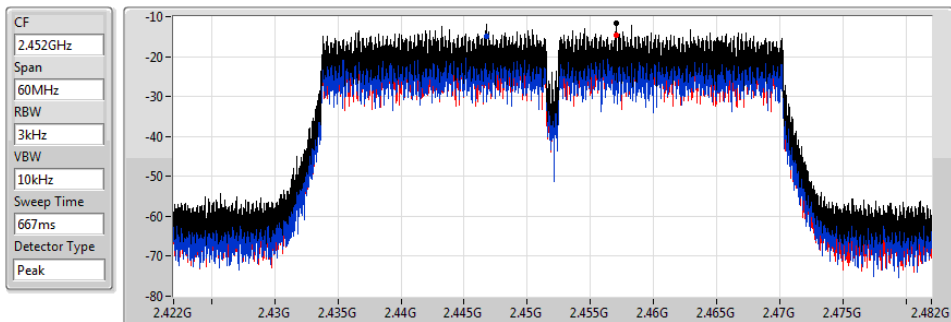
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.40	-11.40	-14.13	-13.14

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/10/2019



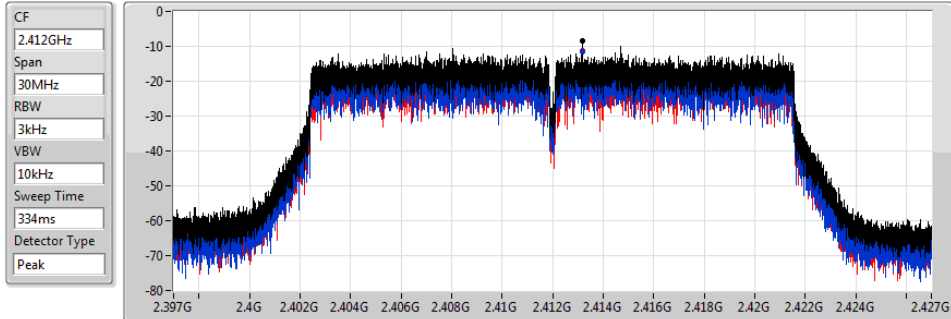
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.71	-11.71	-14.80	-14.63

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



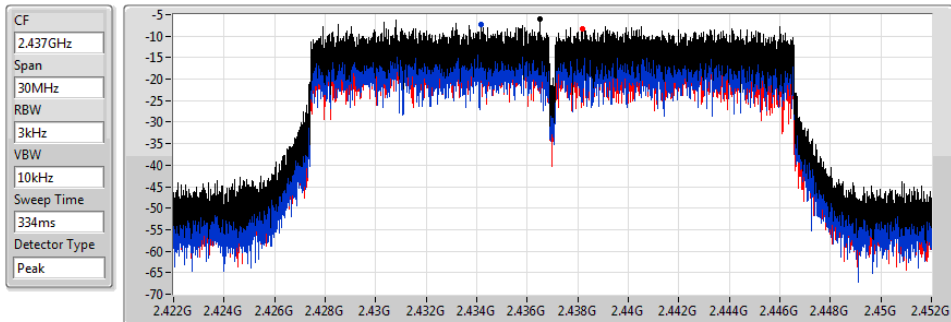
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.38	-8.38	-11.47	-11.32

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



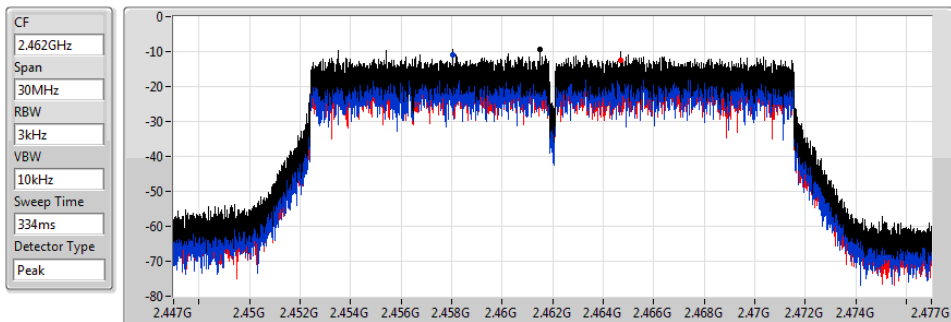
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.02	-6.02	-7.36	-8.37

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/10/2019



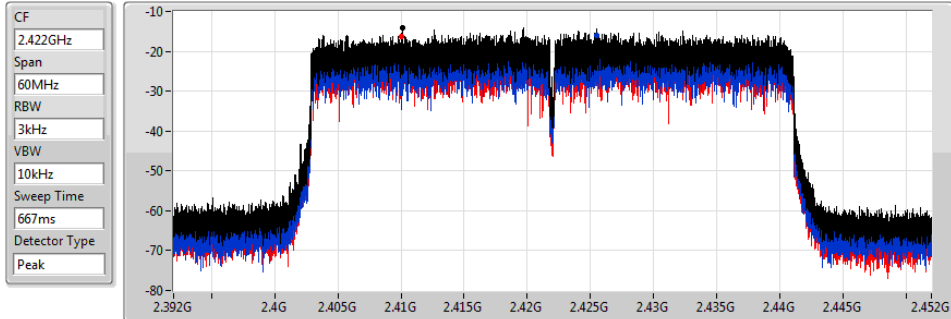
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.41	-9.41	-10.87	-12.50

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/10/2019



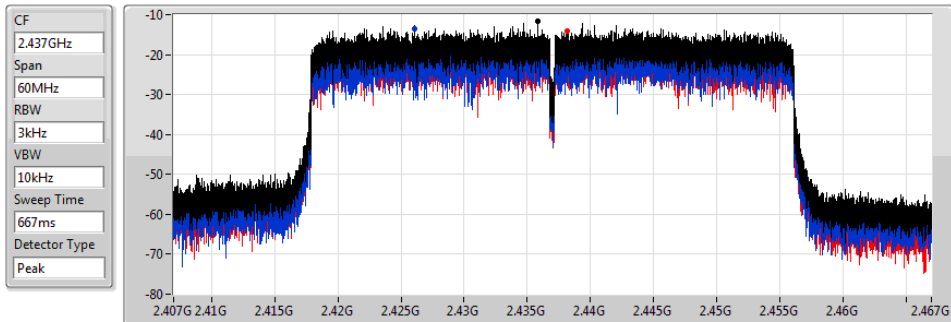
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.18	-14.18	-15.88	-16.39

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



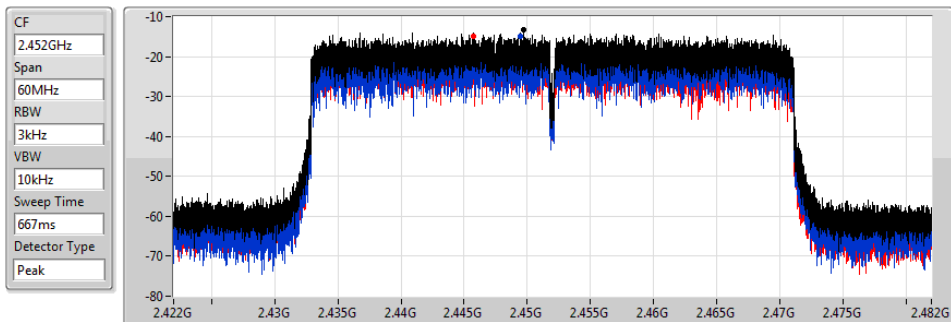
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.76	-11.76	-13.43	-14.04

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/10/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.26	-13.26	-15.04	-15.00

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-5.39
VHT40-BF_Nss1,(MCS0)_2TX	-12.38
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-5.26
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-13.78

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-11.07	-12.18	-8.62	3.19
2437MHz	Pass	10.81	-8.09	-8.55	-5.39	3.19
2462MHz	Pass	10.81	-13.92	-13.17	-11.47	3.19
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-16.71	-15.92	-14.73	3.19
2437MHz	Pass	10.81	-15.26	-15.53	-12.38	3.19
2452MHz	Pass	10.81	-19.37	-18.97	-17.06	3.19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-12.89	-12.99	-10.26	3.19
2437MHz	Pass	10.81	-8.26	-8.28	-5.26	3.19
2462MHz	Pass	10.81	-12.63	-12.90	-11.32	3.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-18.59	-17.45	-15.51	3.19
2437MHz	Pass	10.81	-14.56	-15.15	-13.78	3.19
2452MHz	Pass	10.81	-18.59	-19.11	-17.99	3.19

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

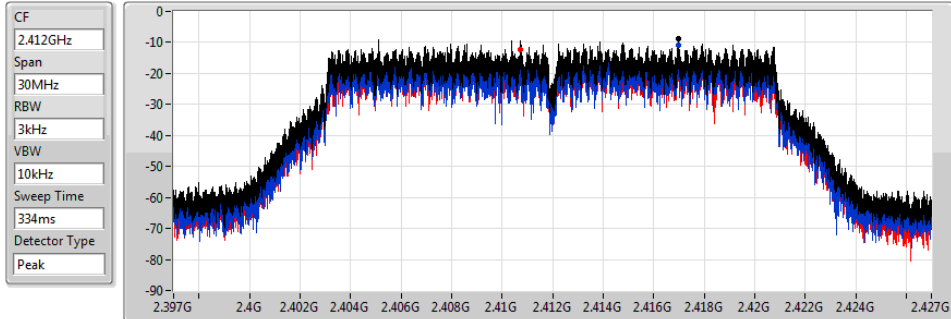
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



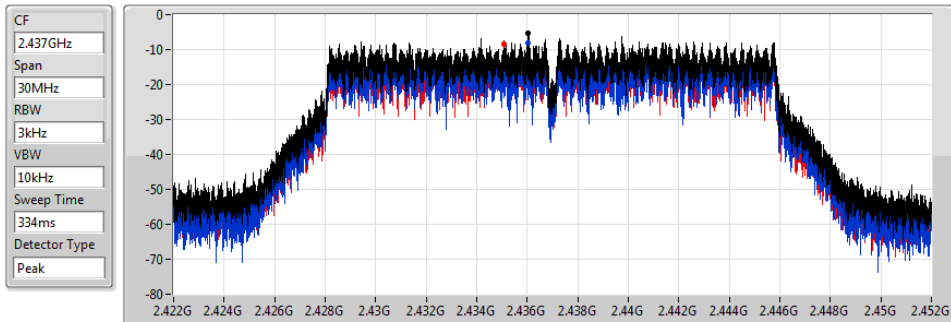
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.62	-8.62	-11.07	-12.18

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



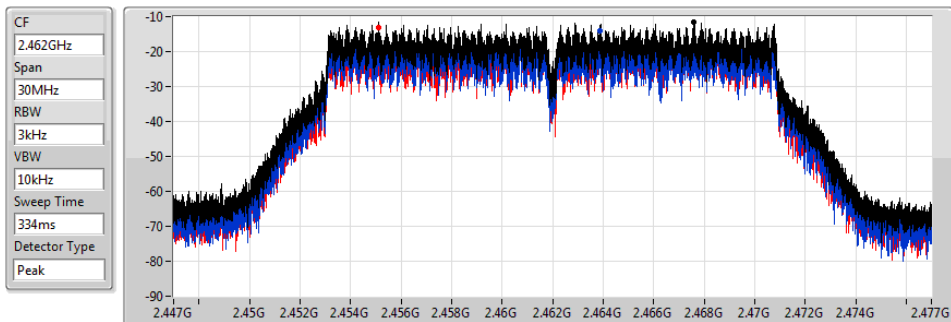
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.39	-5.39	-8.09	-8.55

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/10/2019



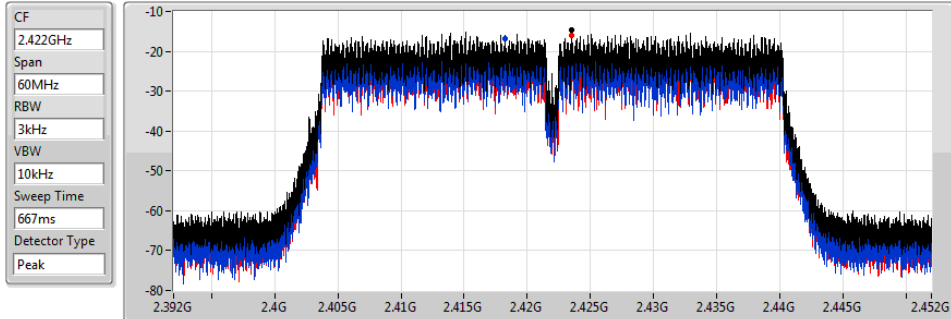
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.47	-11.47	-13.92	-13.17

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/10/2019



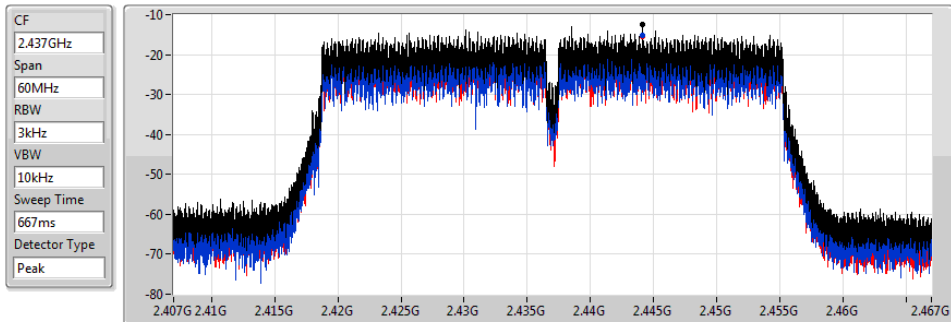
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.73	-14.73	-16.71	-15.92

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



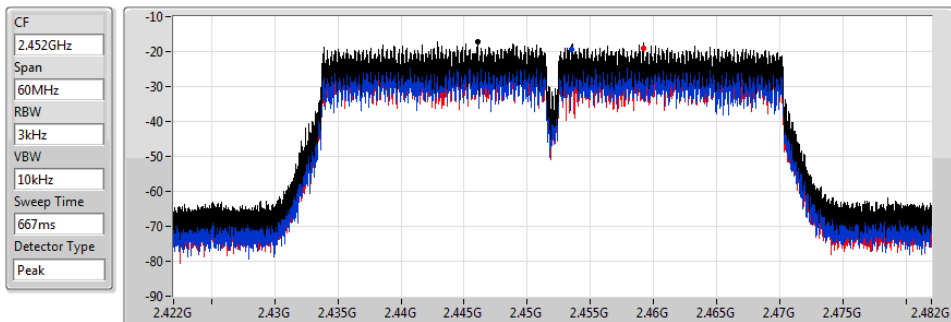
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.38	-12.38	-15.26	-15.53

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/10/2019



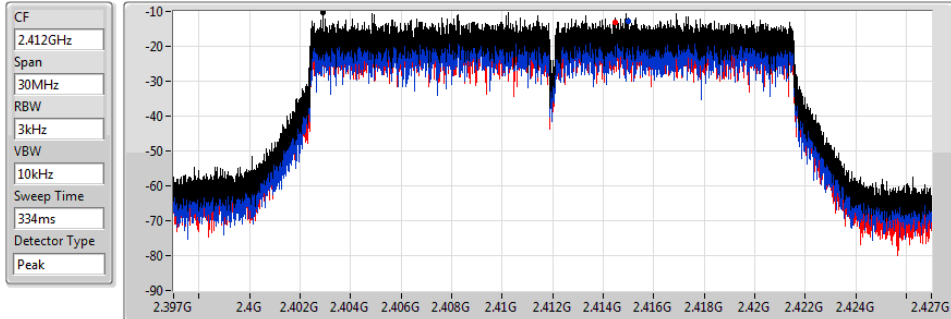
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.06	-17.06	-19.37	-18.97

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



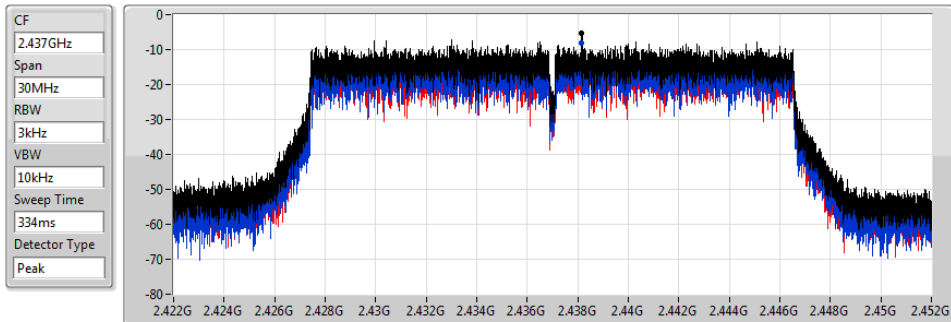
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-10.26	-10.26	-12.89	-12.99

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



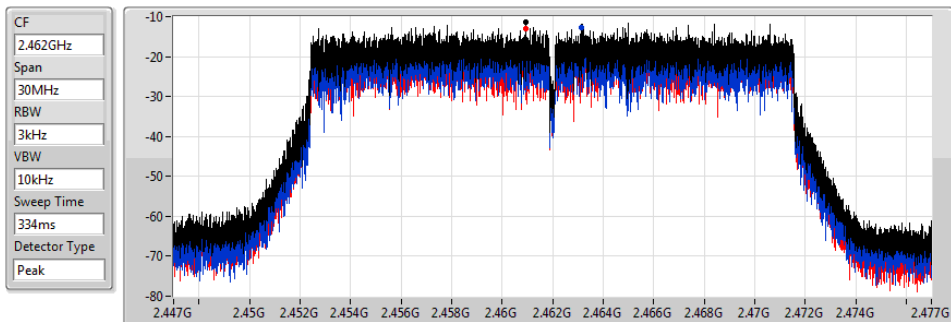
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-5.26	-5.26	-8.26	-8.28

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/10/2019



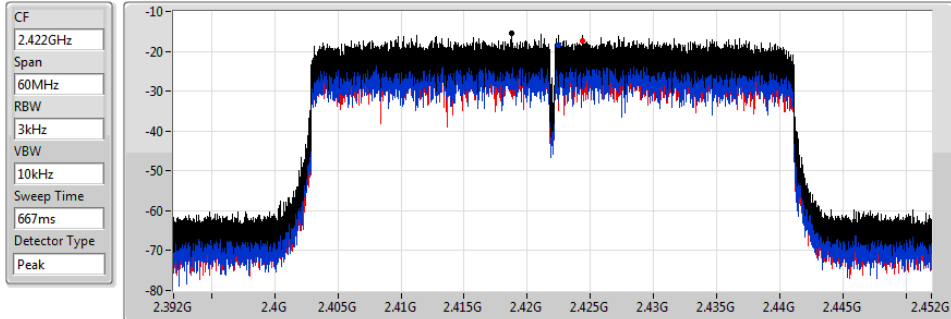
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-11.32	-11.32	-12.63	-12.90

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/10/2019



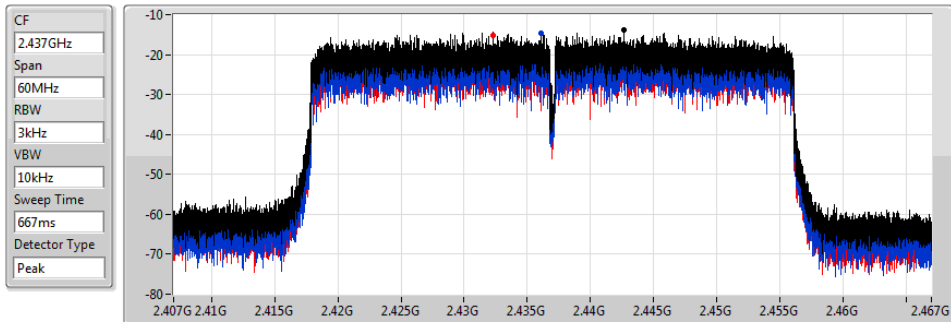
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.51	-15.51	-18.59	-17.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



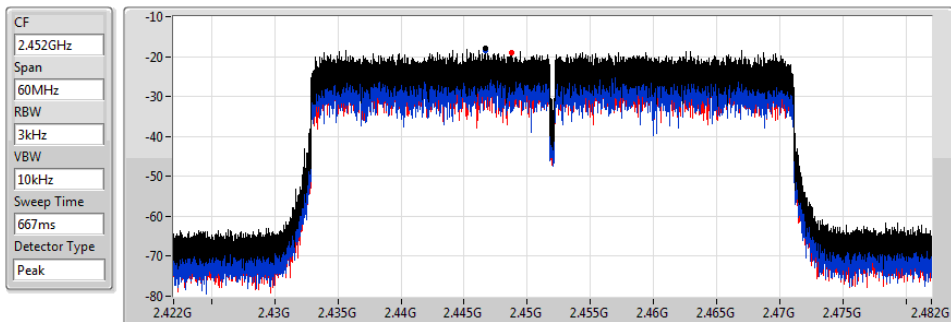
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.78	-13.78	-14.56	-15.15

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/10/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-17.99	-17.99	-18.59	-19.11



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-4.14
VHT40-BF_Nss1,(MCS0)_2TX	-9.03
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-4.27
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-9.21

RBW=3 kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-7.83	-5.23	-4.67	0.49
2437MHz	Pass	13.51	-7.15	-6.18	-4.14	0.49
2462MHz	Pass	13.51	-9.23	-9.64	-6.42	0.49
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-12.39	-11.87	-9.82	0.49
2437MHz	Pass	13.51	-10.81	-10.55	-9.03	0.49
2452MHz	Pass	13.51	-11.69	-11.69	-9.28	0.49
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-7.40	-6.99	-4.27	0.49
2437MHz	Pass	13.51	-7.53	-6.90	-4.94	0.49
2462MHz	Pass	13.51	-8.80	-8.78	-7.04	0.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-12.87	-11.27	-10.38	0.49
2437MHz	Pass	13.51	-11.88	-10.78	-9.21	0.49
2452MHz	Pass	13.51	-11.24	-11.66	-9.25	0.49

DG = Directional Gain; RBW=3 kHz;

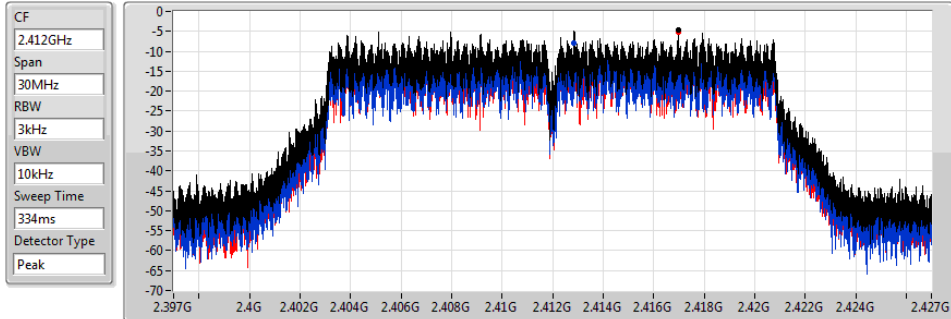
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



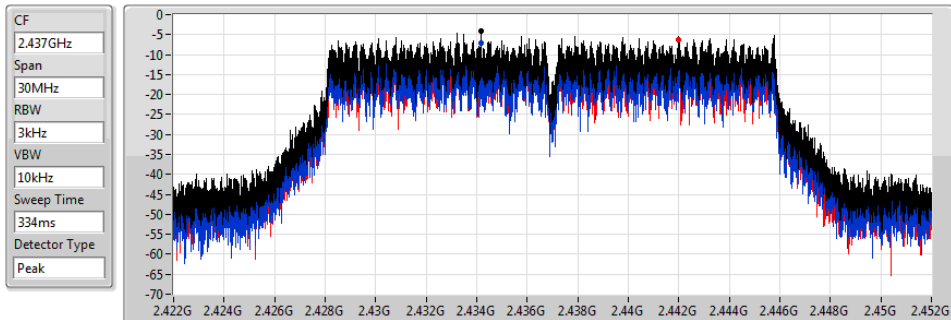
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.67	-4.67	-7.83	-5.23

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



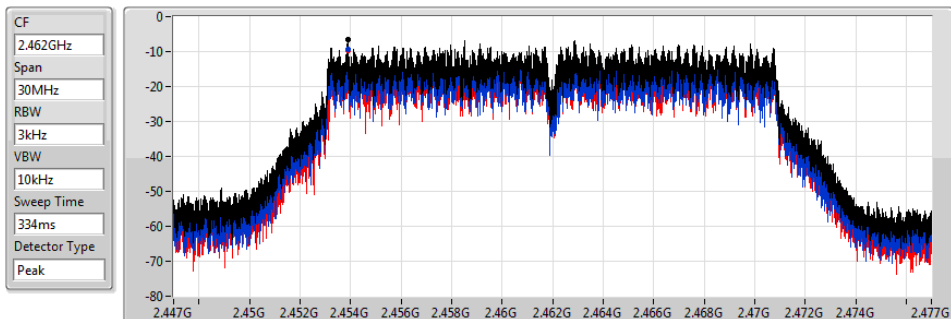
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.14	-4.14	-7.15	-6.18

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

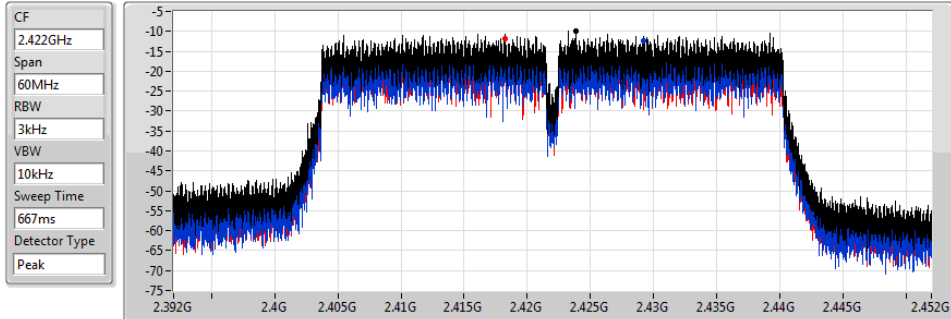
15/10/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.42	-6.42	-9.23	-9.64

VHT40-BF_Nss1,(MCS0)_2TX

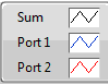
2422MHz



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.82	-9.82	-12.39	-11.87

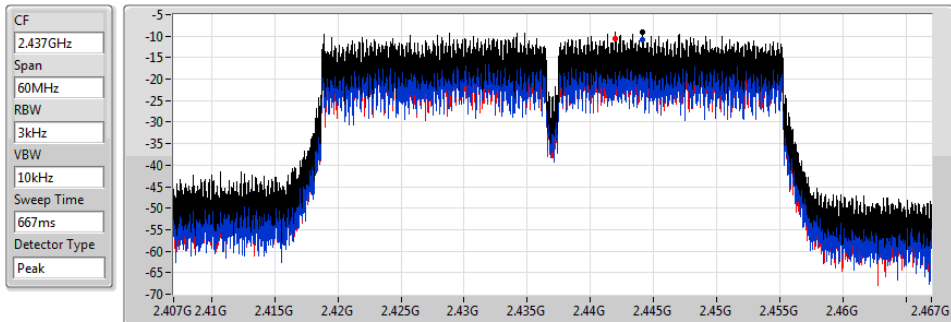
PSD

15/10/2019



VHT40-BF_Nss1,(MCS0)_2TX

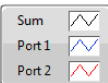
2437MHz



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.03	-9.03	-10.81	-10.55

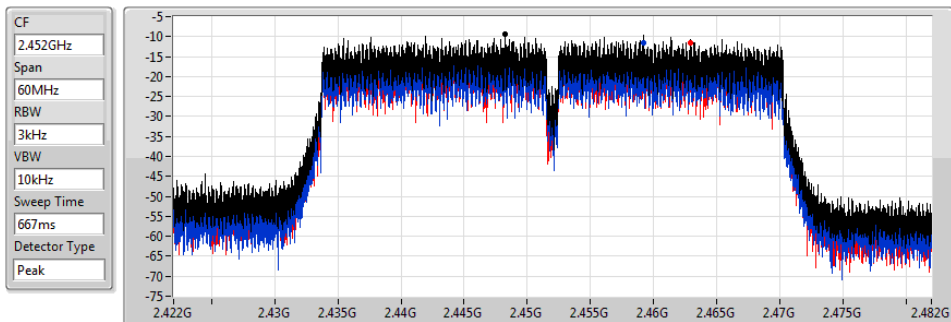
PSD

15/10/2019



VHT40-BF_Nss1,(MCS0)_2TX

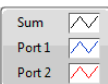
2452MHz



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.28	-9.28	-11.69	-11.69

PSD

15/10/2019

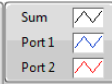
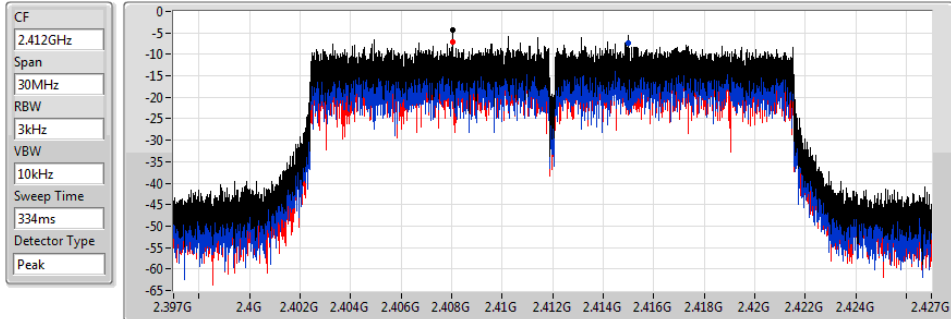


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/10/2019



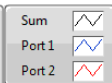
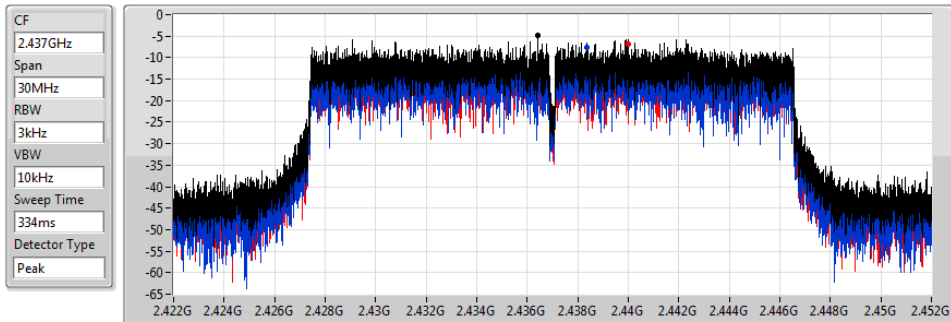
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.27	-4.27	-7.40	-6.99

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



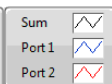
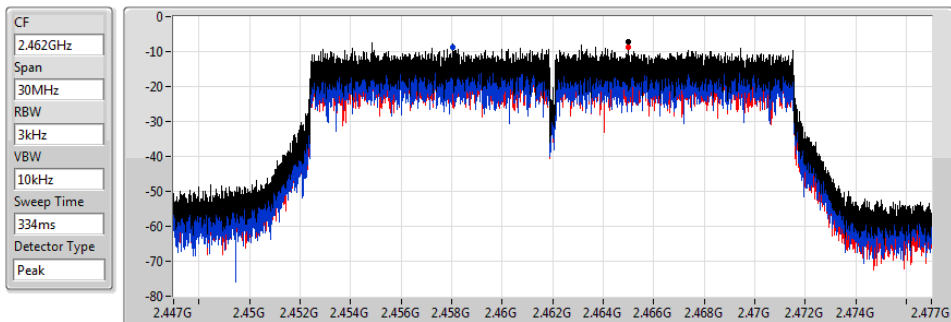
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.94	-4.94	-7.53	-6.90

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/10/2019



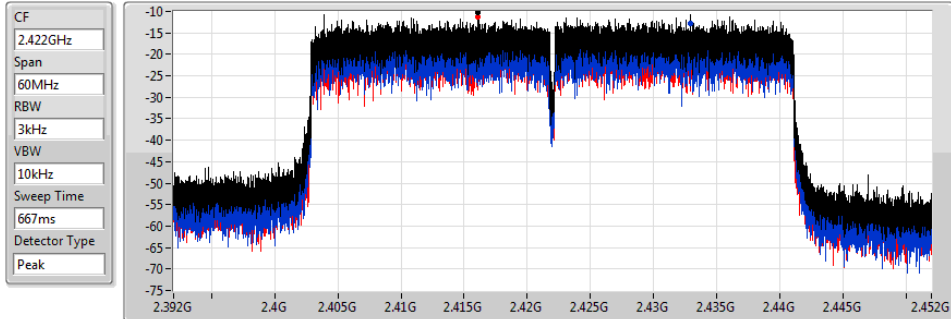
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.04	-7.04	-8.80	-8.78

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/10/2019



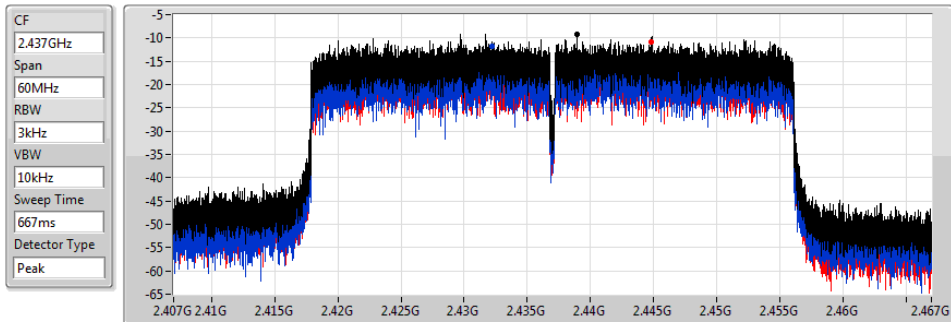
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.38	-10.38	-12.87	-11.27

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/10/2019



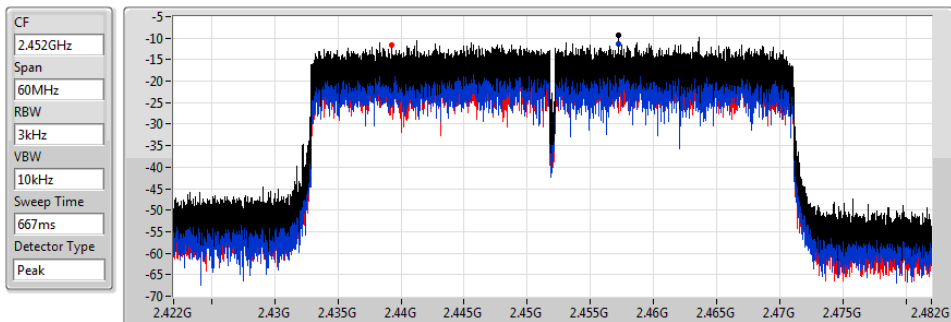
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.21	-9.21	-11.88	-10.78

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/10/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-11.24	-11.66



**CSE(Non-restricted Band)
Non-Beamforming_Sample 1_Radio 1_1T1S**

Appendix E.1

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	2.43649G	19.09	-10.91	2.30758G	-49.81	2.39898G	-30.84	2.49496G	-47.27	24.14589G	-36.95	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	13.15	-16.85	2.30262G	-51.80	2.39926G	-35.06	2.50758G	-48.97	24.72747G	-36.97	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.44196G	11.87	-18.13	2.30787G	-51.45	2.39992G	-37.21	2.51522G	-49.82	24.35942G	-36.43	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.442G	5.20	-24.80	1.98251G	-52.75	2.39972G	-46.86	2.48814G	-43.83	24.41385G	-35.21	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4395G	12.20	-17.80	2.30961G	-51.56	2.39952G	-33.97	2.48404G	-50.01	24.46056G	-36.74	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.442G	5.27	-24.73	2.30368G	-52.91	2.39948G	-37.37	2.4901G	-41.77	24.72796G	-36.54	1



**CSE(Non-restricted Band)
Non-Beamforming_Sample 1_Radio 1_1T1S**

Appendix E.1

Result

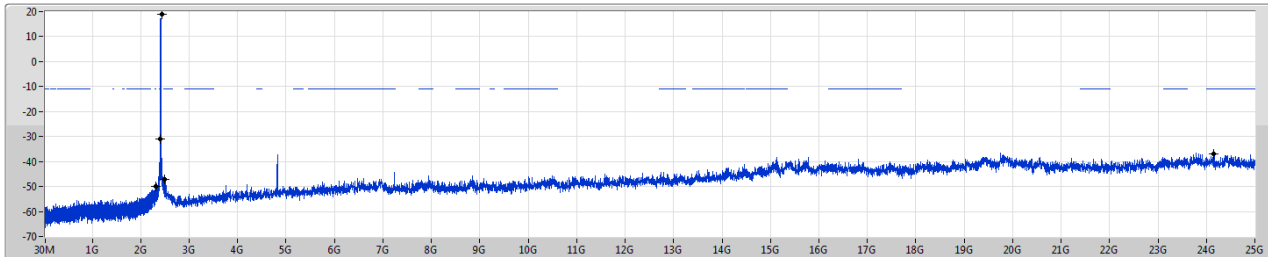
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	19.09	-10.91	2.30758G	-49.81	2.39898G	-30.84	2.49496G	-47.27	24.14589G	-36.95	1
2437MHz	Pass	2.43649G	19.09	-10.91	2.13108G	-52.60	2.39978G	-44.33	2.49972G	-45.57	24.4999G	-36.70	1
2462MHz	Pass	2.43649G	19.09	-10.91	2.30379G	-50.66	2.3997G	-47.40	2.48566G	-44.33	24.03913G	-36.51	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	13.15	-16.85	2.30262G	-51.80	2.39926G	-35.06	2.50758G	-48.97	24.72747G	-36.97	1
2437MHz	Pass	2.43198G	13.15	-16.85	2.30699G	-49.88	2.39982G	-36.10	2.48352G	-41.43	24.52237G	-36.86	1
2462MHz	Pass	2.43198G	13.15	-16.85	2.30554G	-53.11	2.39466G	-48.93	2.48366G	-44.05	23.41822G	-37.55	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	11.87	-18.13	2.30787G	-51.45	2.39992G	-37.21	2.51522G	-49.82	24.35942G	-36.43	1
2437MHz	Pass	2.44196G	11.87	-18.13	2.30262G	-51.64	2.39974G	-39.32	2.48544G	-44.06	24.38752G	-37.29	1
2462MHz	Pass	2.44196G	11.87	-18.13	2.15088G	-53.74	2.3985G	-50.51	2.49232G	-48.43	24.77524G	-37.18	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	5.20	-24.80	2.30397G	-52.38	2.39964G	-42.52	2.49686G	-48.55	24.08852G	-36.60	1
2437MHz	Pass	2.442G	5.20	-24.80	2.30826G	-51.26	2.39968G	-38.93	2.48454G	-43.20	24.54847G	-36.89	1
2452MHz	Pass	2.442G	5.20	-24.80	1.98251G	-52.75	2.39972G	-46.86	2.48814G	-43.83	24.41385G	-35.21	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	12.20	-17.80	2.30961G	-51.56	2.39952G	-33.97	2.48404G	-50.01	24.46056G	-36.74	1
2437MHz	Pass	2.4395G	12.20	-17.80	2.30408G	-51.21	2.39952G	-38.04	2.48472G	-41.11	24.43247G	-36.19	1
2462MHz	Pass	2.4395G	12.20	-17.80	2.30262G	-52.65	2.39054G	-50.47	2.48402G	-41.89	24.05318G	-36.23	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	5.27	-24.73	2.30912G	-53.49	2.3924G	-41.62	2.48886G	-49.27	24.78124G	-36.69	1
2437MHz	Pass	2.442G	5.27	-24.73	2.30368G	-52.91	2.39948G	-37.37	2.4901G	-41.77	24.72796G	-36.54	1
2452MHz	Pass	2.442G	5.27	-24.73	2.30626G	-52.25	2.39896G	-47.23	2.48634G	-42.24	24.31849G	-36.95	1

802.11b_Nss1,(1Mbps)_1TX

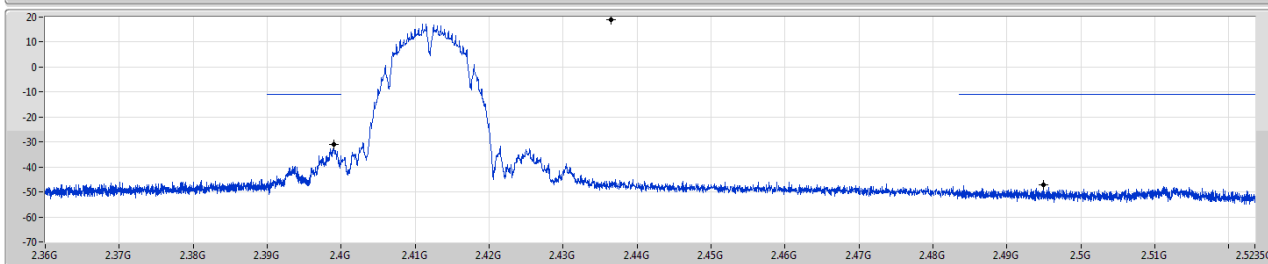
CSE NdB

2412MHz

09/09/2019



Port1



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

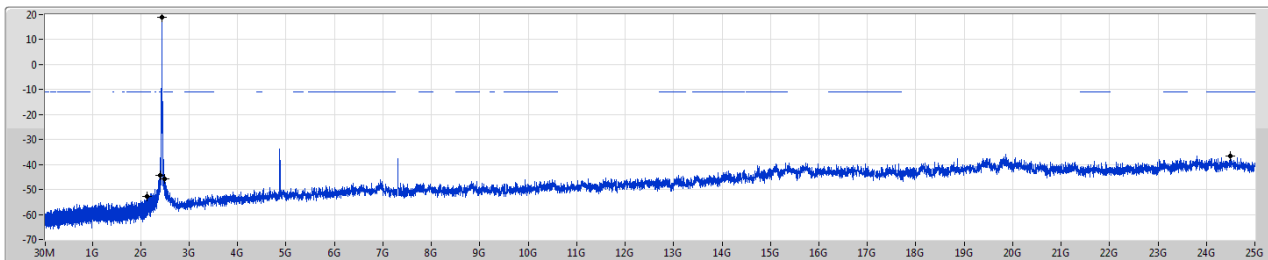
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	19.09	-10.91	2.30758G	-49.81	2.39898G	-30.84	2.49496G	-47.27	2.414589G	-36.95	1

802.11b_Nss1,(1Mbps)_1TX

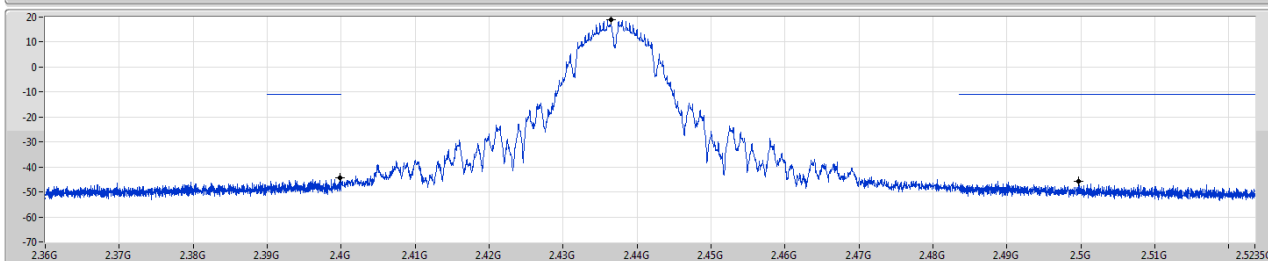
CSE NdB

2437MHz

09/09/2019



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
2.43649G	19.09	-10.91	2.13108G	-52.60	2.39978G	-44.33	2.49972G	-45.57	2.44999G	-36.70	1

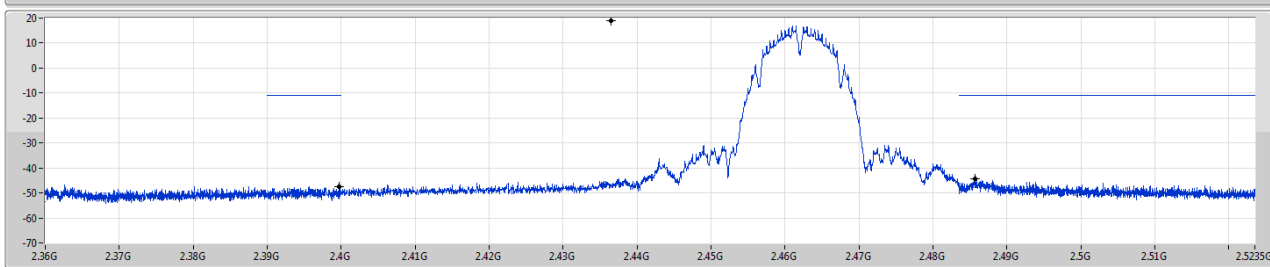
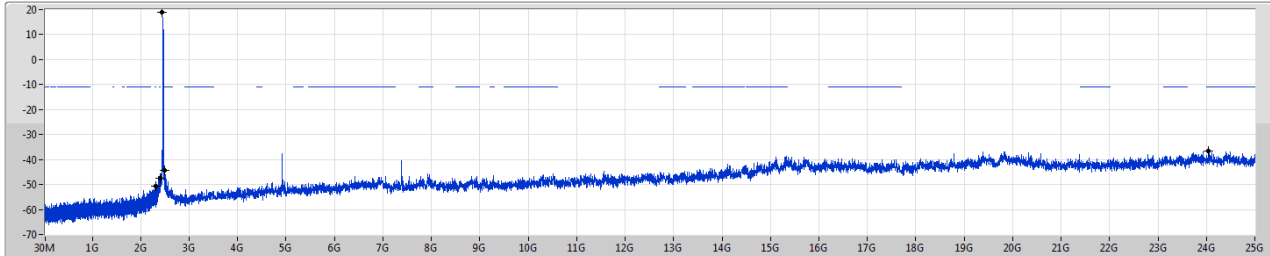
802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSE NdB

09/09/2019

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
2.43649G	19.09	-10.91	2.30379G	-50.66	2.3997G	-47.40	2.48566G	-44.33	24.03913G	-36.51	1

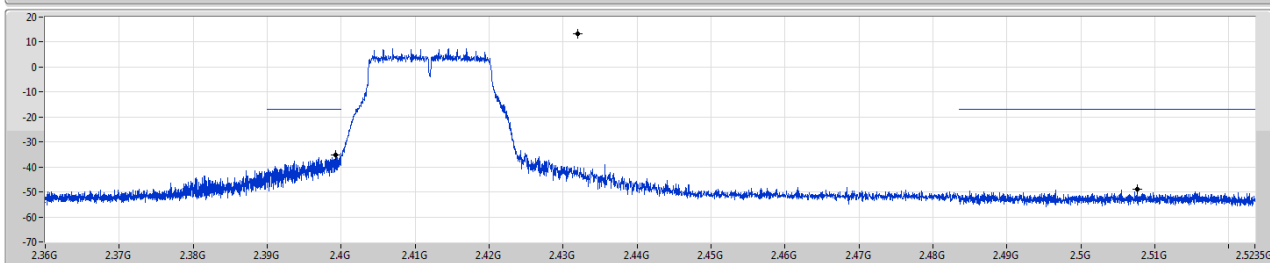
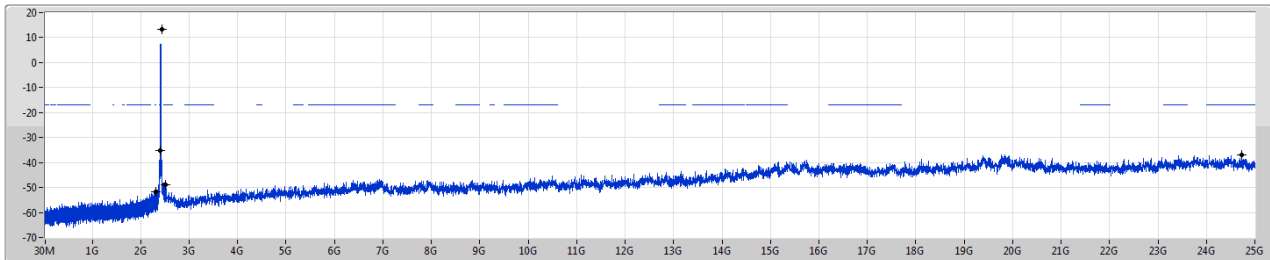
802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

09/09/2019

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
2.43198G	13.15	-16.85	2.30262G	-51.80	2.39926G	-35.06	2.50758G	-48.97	24.72747G	-36.97	1

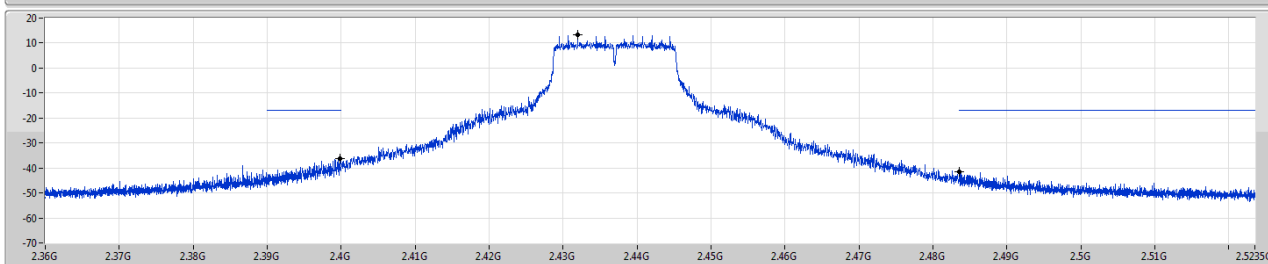
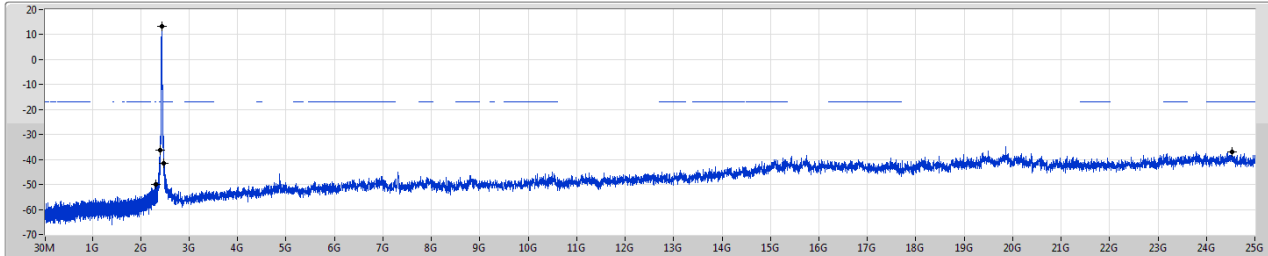
802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2437MHz

09/09/2019

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
2.43198G	13.15	-16.85	2.30699G	-49.88	2.39982G	-36.10	2.48352G	-41.43	2.452237G	-36.86	1

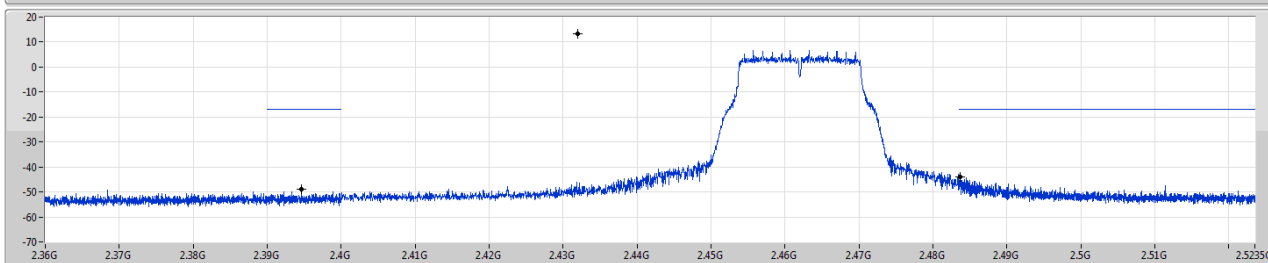
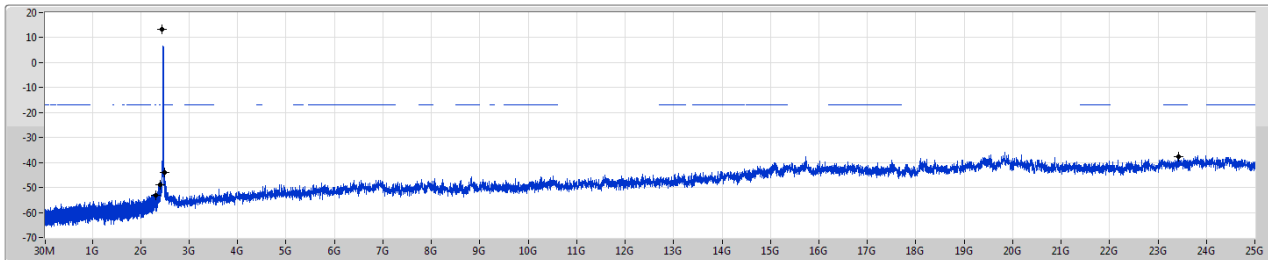
802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2462MHz

09/09/2019

Port1



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

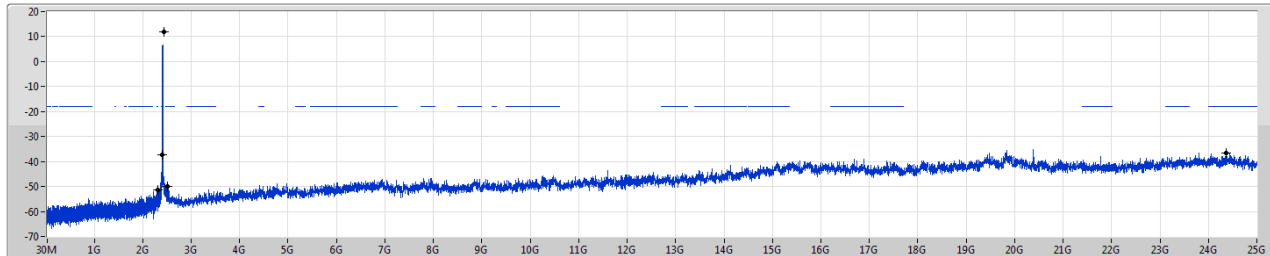
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	13.15	-16.85	2.30554G	-53.11	2.39466G	-48.93	2.48366G	-44.05	2.41822G	-37.55	1

VHT20_Nss1,(MCS0)_1TX

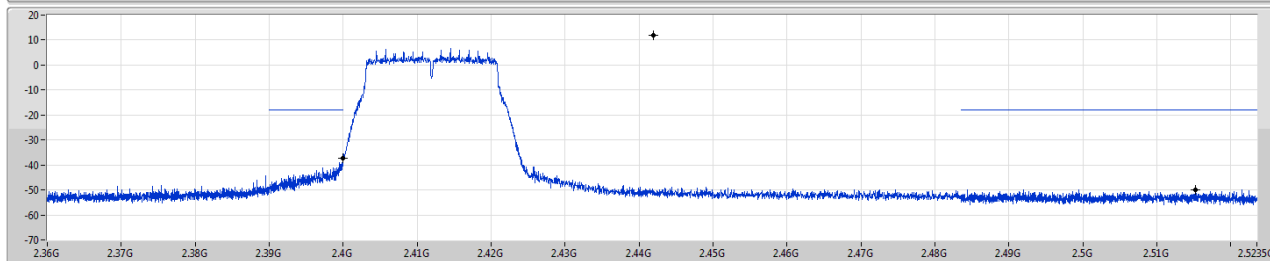
CSE NdB

2412MHz

09/09/2019



Port1



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

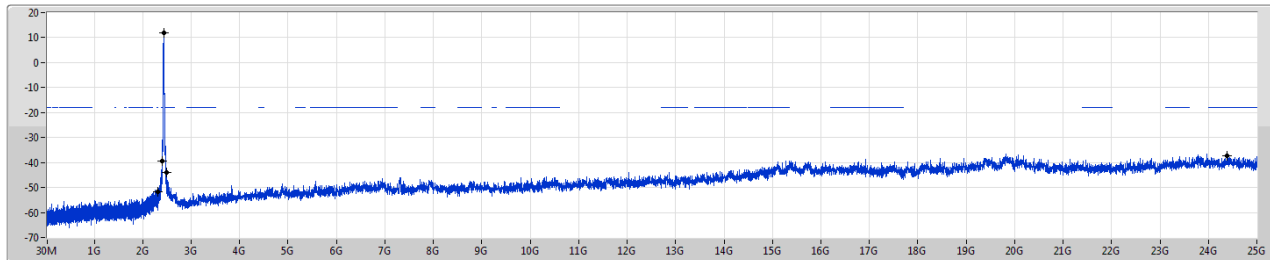
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.87	-18.13	2.30787G	-51.45	2.39992G	-37.21	2.51522G	-49.82	24.35942G	-36.43	1

VHT20_Nss1,(MCS0)_1TX

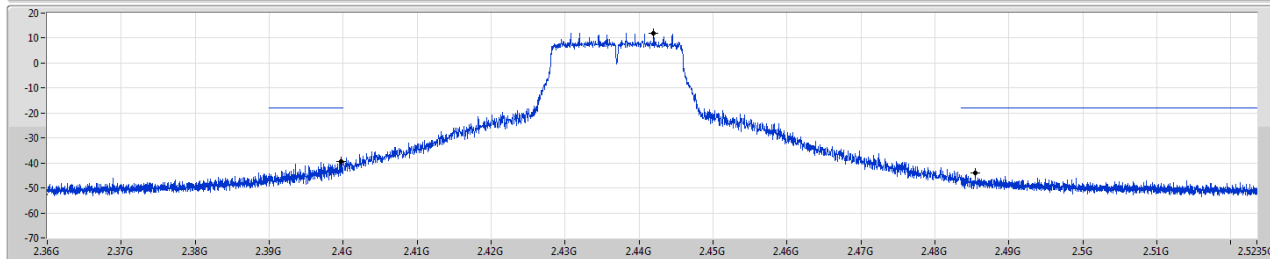
CSE NdB

2437MHz

09/09/2019



Port1



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

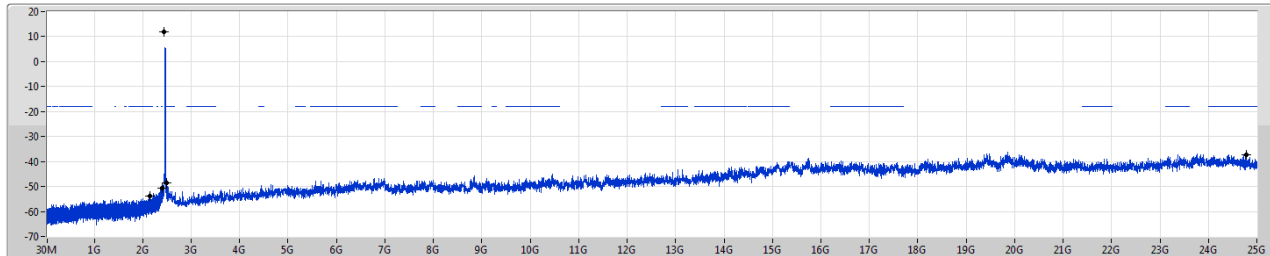
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.87	-18.13	2.30262G	-51.64	2.39974G	-39.32	2.48544G	-44.06	24.38752G	-37.29	1

VHT20_Nss1,(MCS0)_1TX

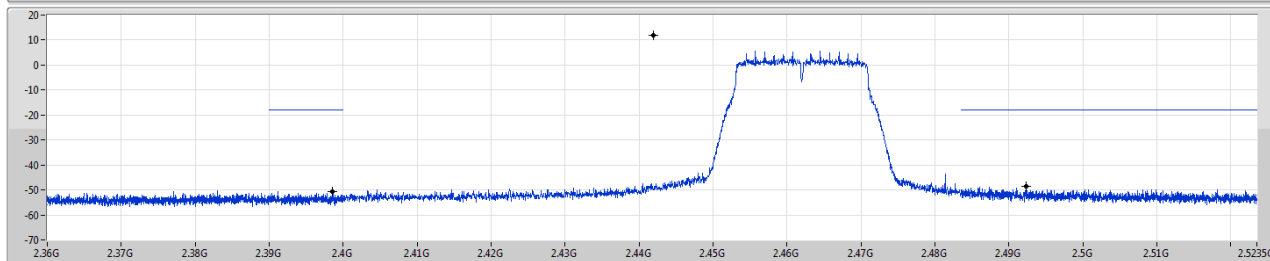
CSE NdB

2462MHz

09/09/2019



Port1



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

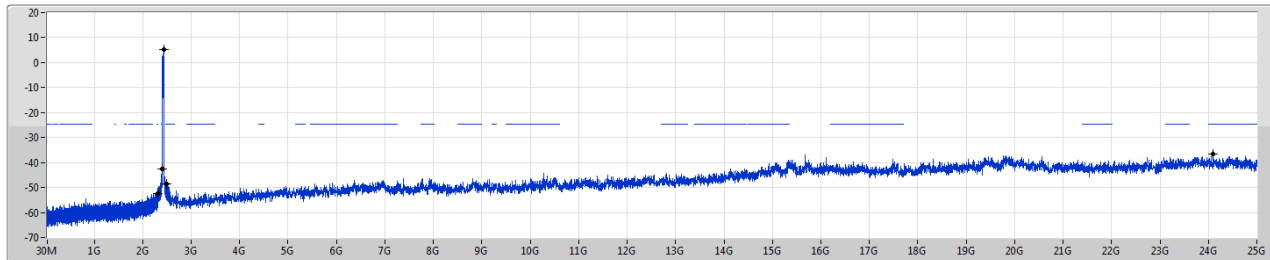
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.87	-18.13	2.15088G	-53.74	2.3985G	-50.51	2.49232G	-48.43	2.477524G	-37.18	1

VHT40_Nss1,(MCS0)_1TX

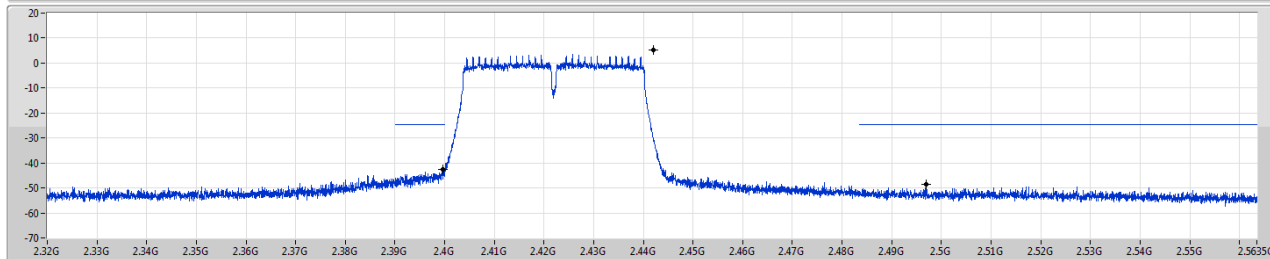
CSE NdB

2422MHz

09/09/2019



Port1



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

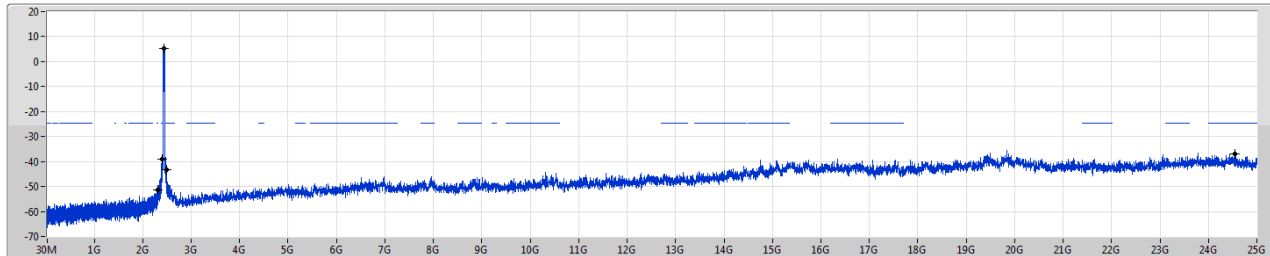
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	5.20	-24.80	2.30397G	-52.38	2.39964G	-42.52	2.49686G	-48.55	2.408852G	-36.60	1

VHT40_Nss1,(MCS0)_1TX

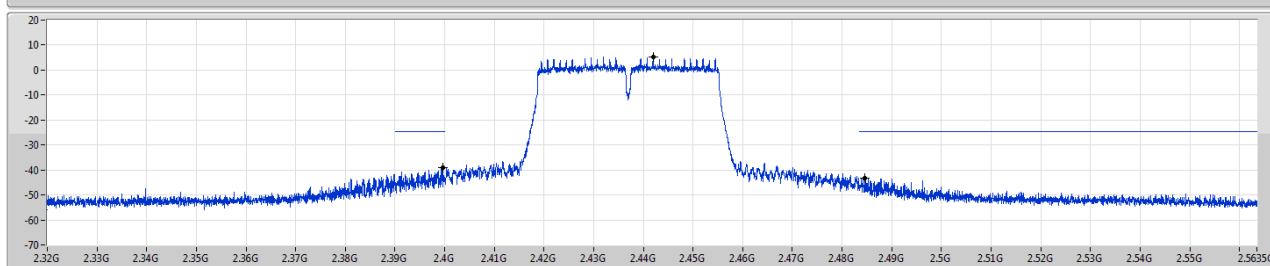
CSE NdB

2437MHz

09/09/2019



Port1



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

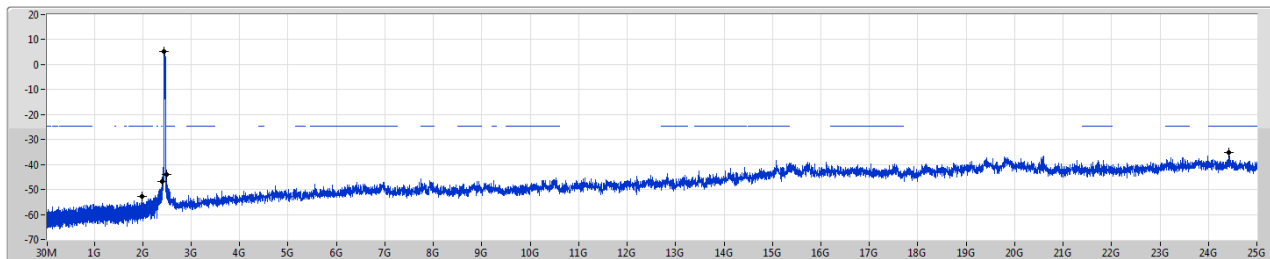
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	5.20	-24.80	2.30826G	-51.26	2.39968G	-38.93	2.48454G	-43.20	2.454847G	-36.89	1

VHT40_Nss1,(MCS0)_1TX

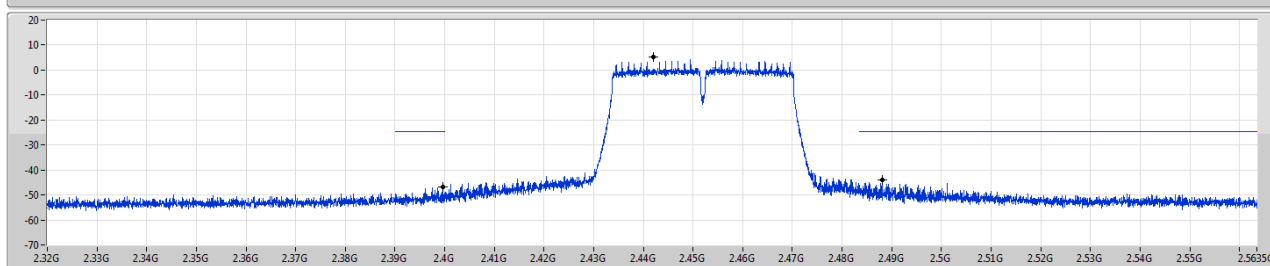
CSE NdB

2452MHz

09/09/2019



Port1



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

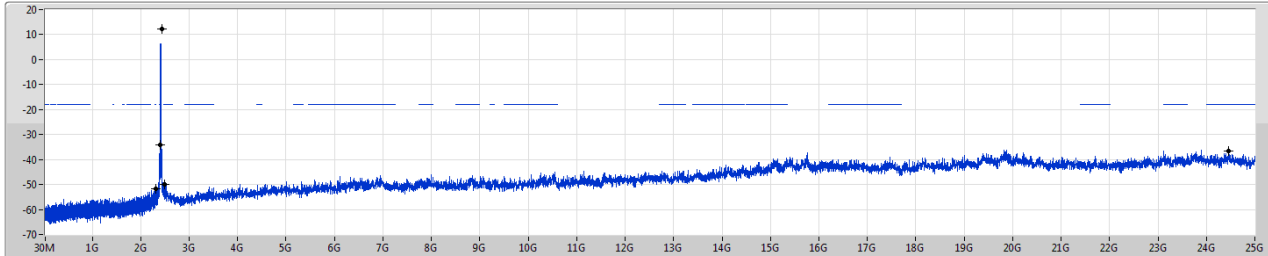
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	5.20	-24.80	1.98251G	-52.75	2.39972G	-46.86	2.48814G	-43.83	2.41385G	-35.21	1

802.11ax HEW20_Nss1,(MCS0)_1TX

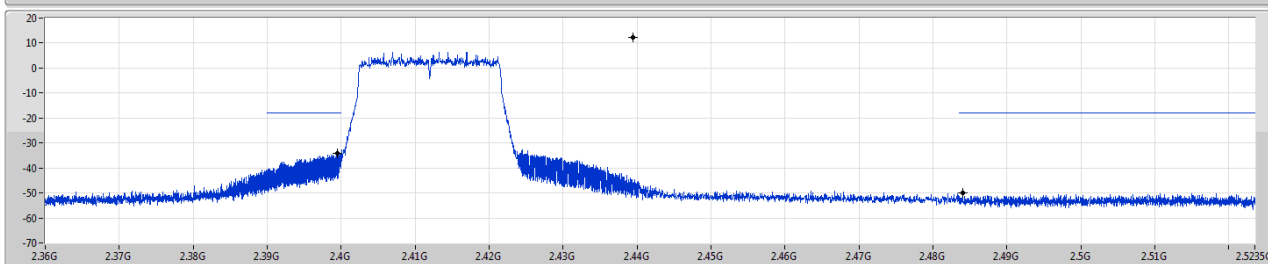
CSE NdB

2412MHz

09/09/2019



Port1



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

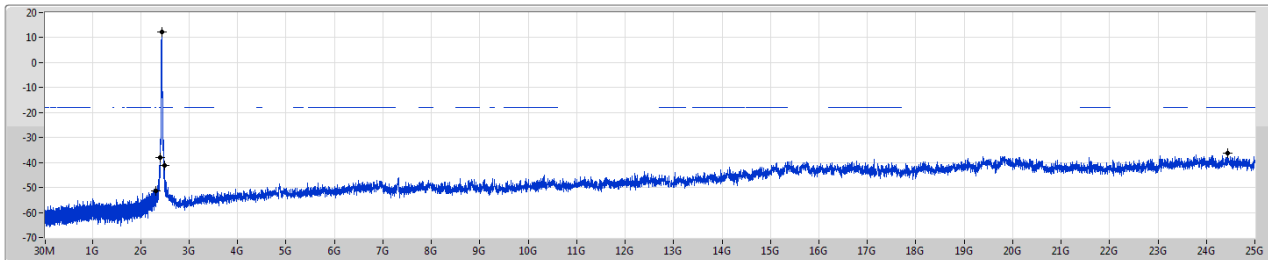
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	12.20	-17.80	2.30961G	-51.56	2.39952G	-33.97	2.48404G	-50.01	2.46056G	-36.74	1

802.11ax HEW20_Nss1,(MCS0)_1TX

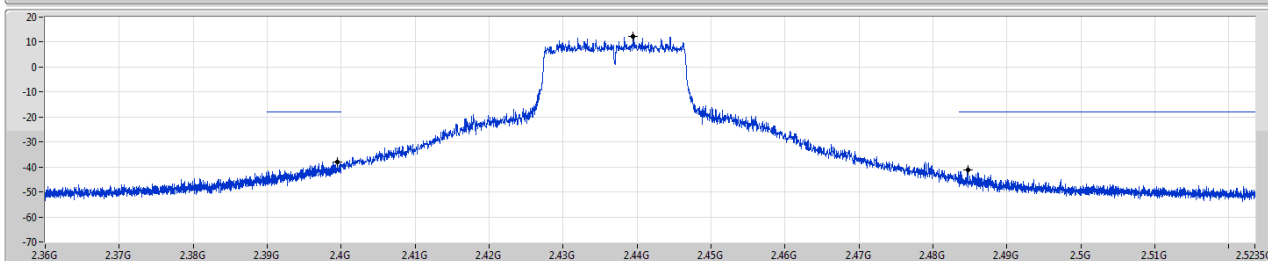
CSE NdB

2437MHz

09/09/2019



Port1



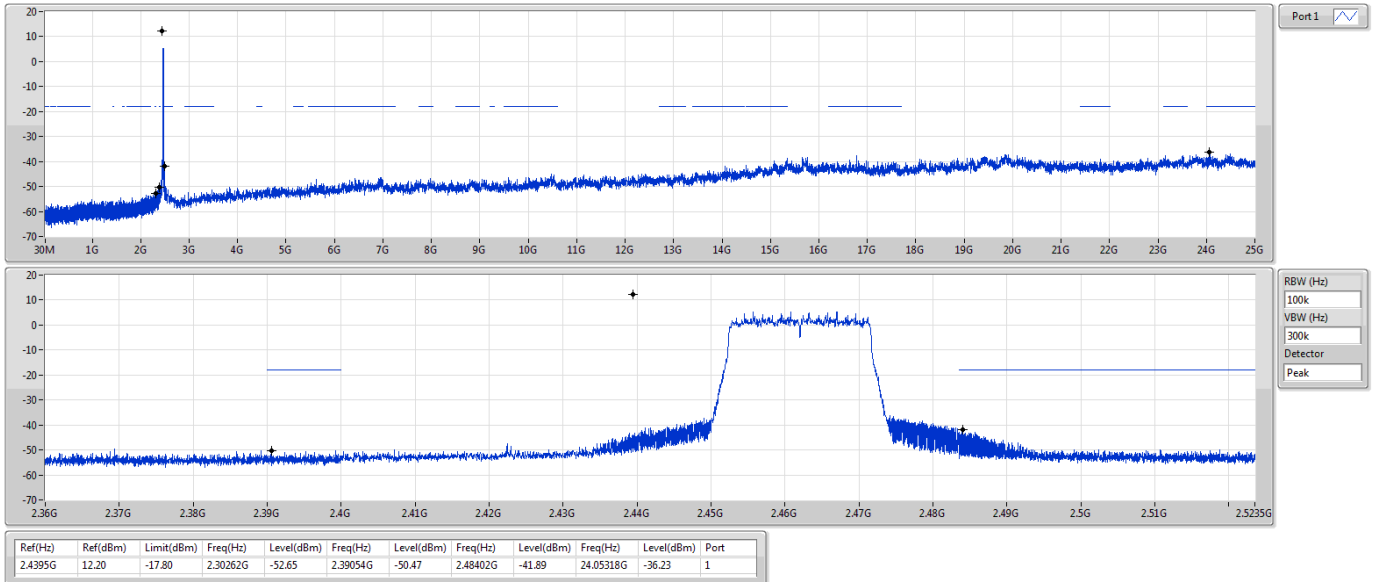
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	12.20	-17.80	2.30408G	-51.21	2.39952G	-38.04	2.48472G	-41.11	2.43247G	-36.19	1

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

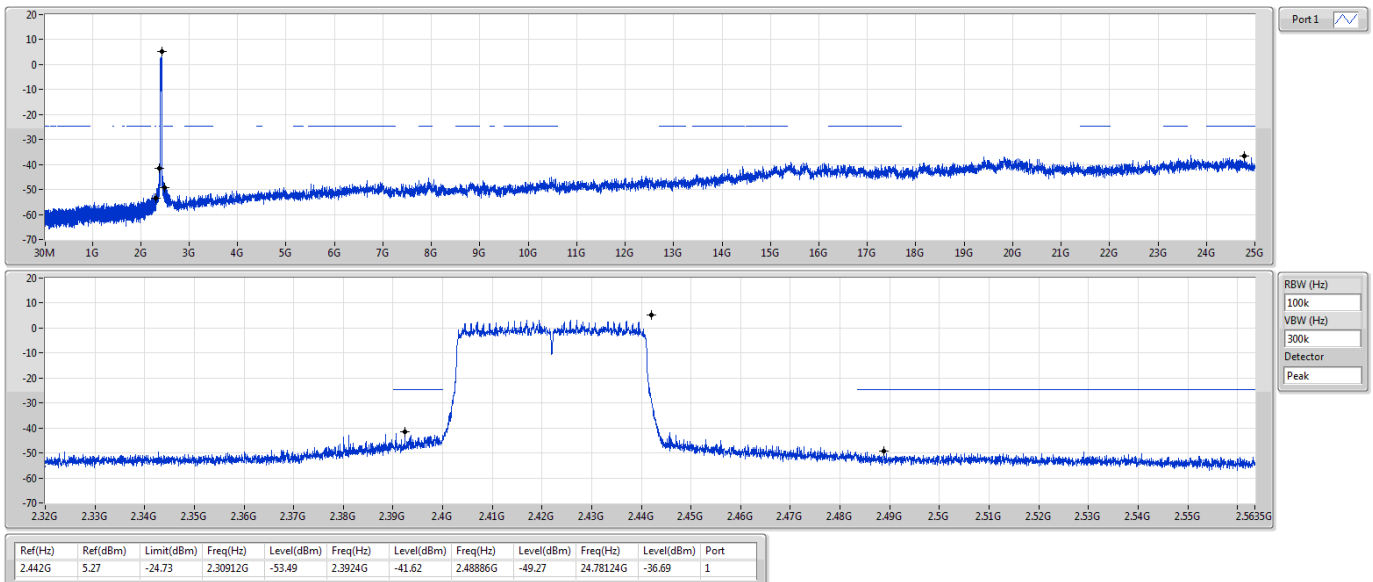
2462MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz



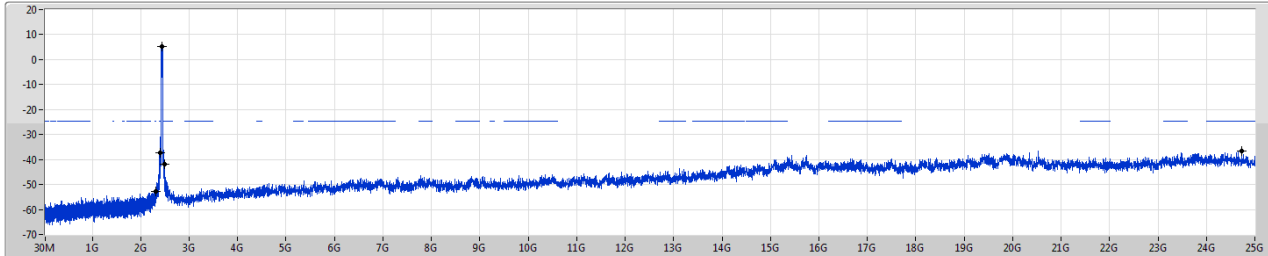


802.11ax HEW40_Nss1,(MCS0)_1TX

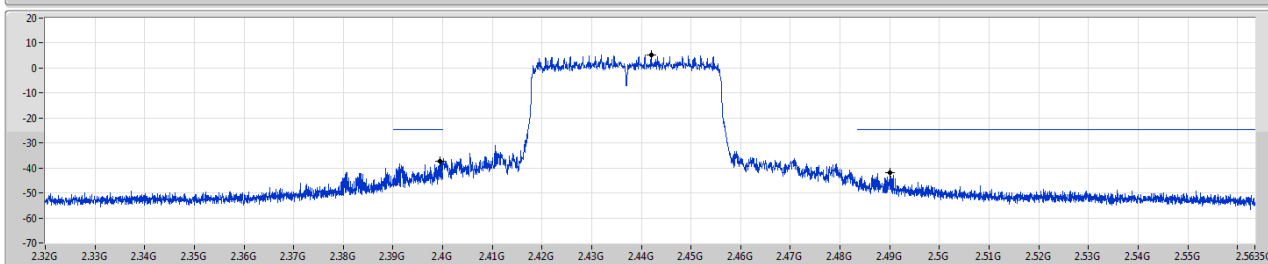
CSE NdB

2437MHz

09/09/2019



Port1



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

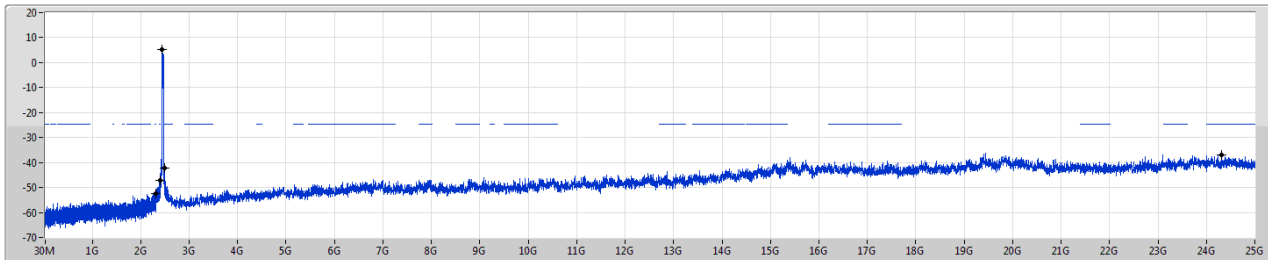
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	5.27	-24.73	2.30368G	-52.91	2.39948G	-37.37	2.4901G	-41.77	2.472796G	-36.54	1

802.11ax HEW40_Nss1,(MCS0)_1TX

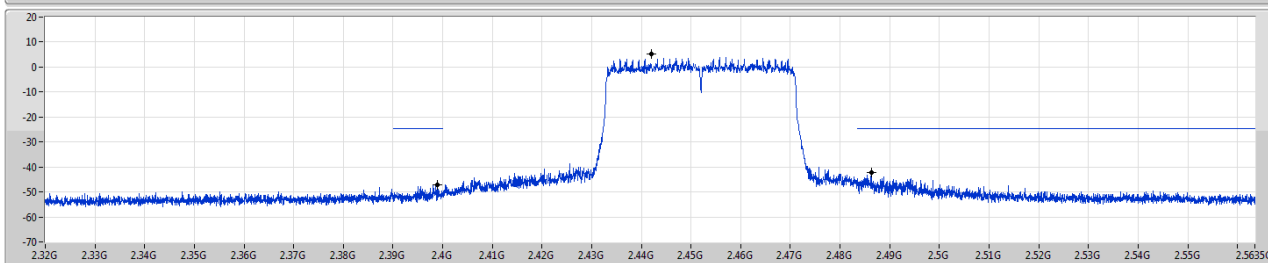
CSE NdB

2452MHz

09/09/2019



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
2.442G	5.27	-24.73	2.30626G	-52.25	2.39896G	-47.23	2.48634G	-42.24	2.431849G	-36.95	1



**CSE(Non-restricted Band)
Non-Beamforming_Sample 1_Radio 1_2T2S**

Appendix E.2

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)_2TX	Pass	2.43749G	16.56	-13.44	2.30961G	-49.85	2.39904G	-37.89	2.5112G	-47.42	24.35942G	-39.42	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44451G	11.59	-18.41	2.30408G	-53.30	2.3995G	-33.56	2.5165G	-49.65	24.64038G	-39.71	2
VHT20_Nss2,(MCS0)_2TX	Pass	2.442G	8.30	-21.70	2.30554G	-54.25	2.39794G	-46.17	2.48518G	-48.40	16.9197G	-41.13	2
VHT40_Nss2,(MCS0)_2TX	Pass	2.43198G	2.78	-27.22	2.30311G	-55.03	2.39788G	-51.49	2.4857G	-50.46	16.30025G	-41.23	1
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.442G	8.65	-21.35	2.13574G	-54.12	2.39994G	-40.95	2.5056G	-50.93	23.47722G	-42.43	1
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	2.60	-27.40	2.30912G	-53.94	2.3962G	-46.69	2.49638G	-51.29	17.40805G	-41.46	1

Result

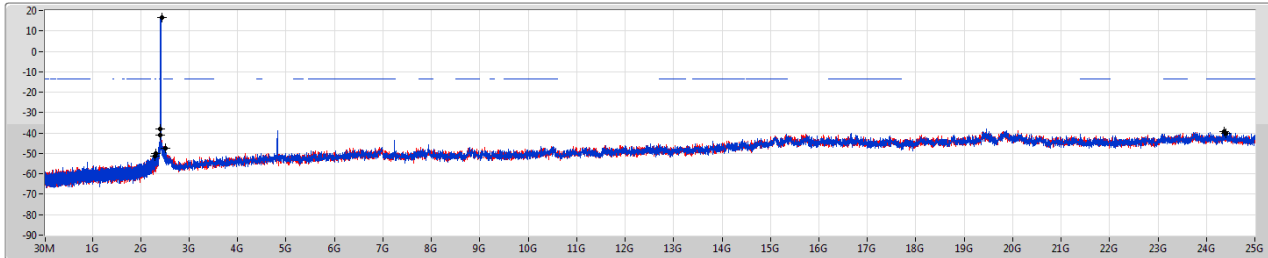
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30961G	-49.85	2.39904G	-37.89	2.5112G	-47.42	24.35942G	-39.42	1
2412MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30233G	-51.14	2.39904G	-41.05	2.5125G	-47.32	24.39594G	-40.19	2
2437MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30583G	-52.17	2.39344G	-46.25	2.49518G	-47.05	24.57857G	-39.55	1
2437MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30903G	-50.65	2.39174G	-46.52	2.51754G	-46.43	24.37347G	-39.75	2
2462MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30583G	-51.39	2.39706G	-47.11	2.48932G	-45.96	24.44652G	-39.50	1
2462MHz_TnomVnom	Pass	2.43749G	16.56	-13.44	2.30146G	-52.45	2.39028G	-48.19	2.48996G	-44.79	23.12602G	-39.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.30641G	-51.41	2.39934G	-37.20	2.48448G	-48.89	24.3819G	-39.66	1
2412MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.30408G	-53.30	2.3995G	-33.56	2.5165G	-49.65	24.64038G	-39.71	2
2437MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.30728G	-49.84	2.39988G	-38.40	2.485G	-44.63	23.40698G	-39.93	1
2437MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.30321G	-53.16	2.39732G	-38.04	2.48726G	-45.05	24.55328G	-40.05	2
2462MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.10894G	-53.46	2.39408G	-50.43	2.4854G	-46.25	24.42123G	-39.72	1
2462MHz_TnomVnom	Pass	2.44451G	11.59	-18.41	2.30088G	-52.83	2.39836G	-50.95	2.48372G	-45.91	24.40156G	-38.50	2
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.0772G	-54.05	2.39996G	-42.71	2.48414G	-50.86	23.23279G	-42.07	1
2412MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.30758G	-54.98	2.39678G	-41.37	2.49942G	-51.09	17.54904G	-41.96	2
2437MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.19049G	-54.52	2.39946G	-48.74	2.50112G	-48.56	16.91127G	-41.18	1
2437MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.30554G	-54.25	2.39794G	-46.17	2.48518G	-48.40	16.9197G	-41.13	2
2462MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.30991G	-53.35	2.39414G	-52.21	2.48918G	-49.20	17.60804G	-41.53	1
2462MHz_TnomVnom	Pass	2.442G	8.30	-21.70	2.014G	-55.45	2.39342G	-52.94	2.48386G	-45.21	16.24821G	-41.81	2
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	2.30626G	-53.80	2.39984G	-45.69	2.4907G	-50.50	17.58193G	-42.03	1
2422MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	2.17945G	-55.10	2.39996G	-46.52	2.50986G	-50.00	16.85275G	-41.65	2
2437MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	2.30025G	-53.89	2.39956G	-49.21	2.48542G	-50.57	16.77983G	-42.27	1
2437MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	760.51M	-55.09	2.3996G	-47.41	2.4931G	-49.18	16.51339G	-42.05	2
2452MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	2.30311G	-55.03	2.39788G	-51.49	2.4857G	-50.46	16.30025G	-41.23	1
2452MHz_TnomVnom	Pass	2.43198G	2.78	-27.22	2.30855G	-54.29	2.39268G	-52.38	2.4915G	-49.17	17.62681G	-42.26	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.13574G	-54.12	2.39994G	-40.95	2.5056G	-50.93	23.47722G	-42.43	1
2412MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.06234G	-54.57	2.39996G	-42.95	2.51834G	-51.19	17.4479G	-41.28	2
2437MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.30845G	-54.03	2.39802G	-47.69	2.48926G	-48.18	16.82979G	-41.88	1
2437MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.14593G	-54.86	2.39894G	-46.63	2.48536G	-48.17	17.46475G	-41.44	2
2462MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.12234G	-54.95	2.39252G	-51.97	2.48896G	-49.76	17.61928G	-42.15	1
2462MHz_TnomVnom	Pass	2.442G	8.65	-21.35	2.30554G	-54.88	2.39054G	-51.75	2.48452G	-45.77	24.01665G	-42.09	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.30912G	-53.94	2.3962G	-46.69	2.49638G	-51.29	17.40805G	-41.46	1
2422MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.30941G	-54.04	2.39952G	-46.71	2.5167G	-50.31	15.22049G	-41.61	2
2437MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.30626G	-54.09	2.39924G	-42.19	2.48374G	-46.68	15.13916G	-41.91	1
2437MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.30483G	-53.69	2.39924G	-43.03	2.48822G	-45.90	16.30025G	-41.96	2
2452MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.3054G	-54.00	2.39968G	-50.07	2.49174G	-50.20	17.6212G	-42.02	1
2452MHz_TnomVnom	Pass	2.43198G	2.60	-27.40	2.30941G	-54.56	2.3956G	-51.56	2.4847G	-46.30	16.20489G	-41.50	2

802.11b_Nss1,(1Mbps)_2TX

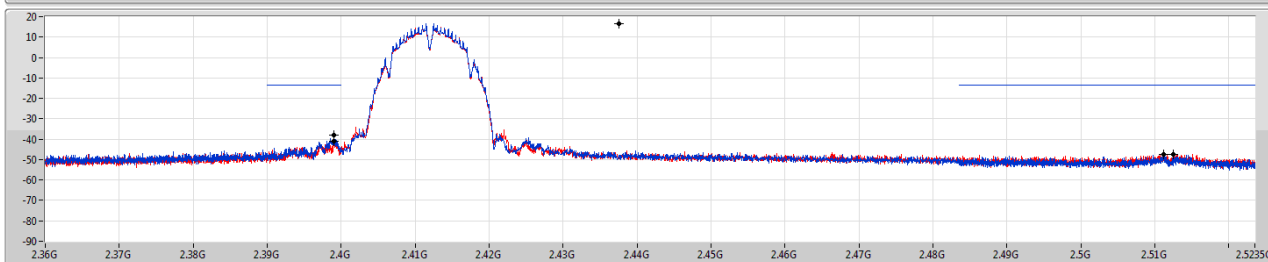
2412MHz

CSE NdB

27/08/2019



Port 1
Port 2



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

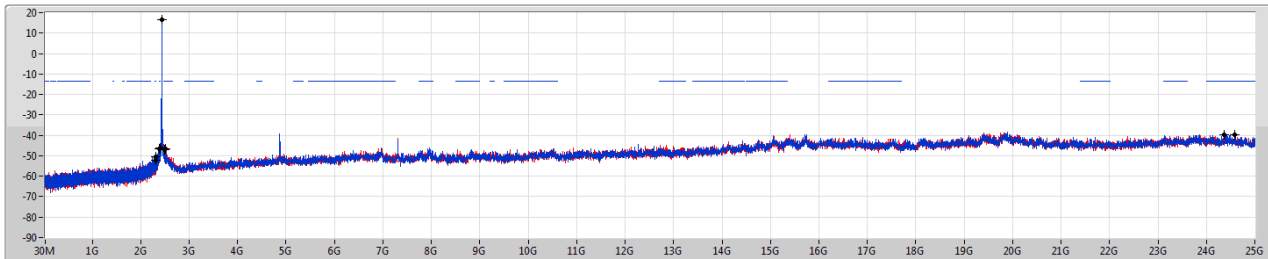
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	16.56	-13.44	2.30961G	-49.85	2.39904G	-37.89	2.5112G	-47.42	24.35942G	-39.42	1
2.43749G	16.56	-13.44	2.30233G	-51.14	2.39904G	-41.05	2.5125G	-47.32	24.39594G	-40.19	2

802.11b_Nss1,(1Mbps)_2TX

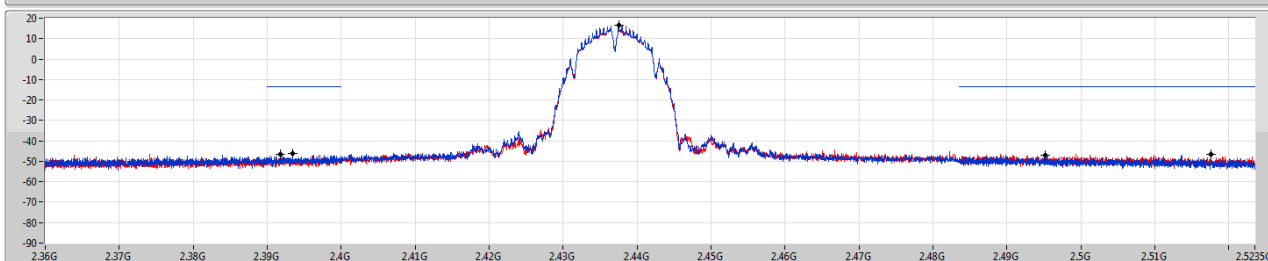
2437MHz

CSE NdB

27/08/2019



Port 1
Port 2



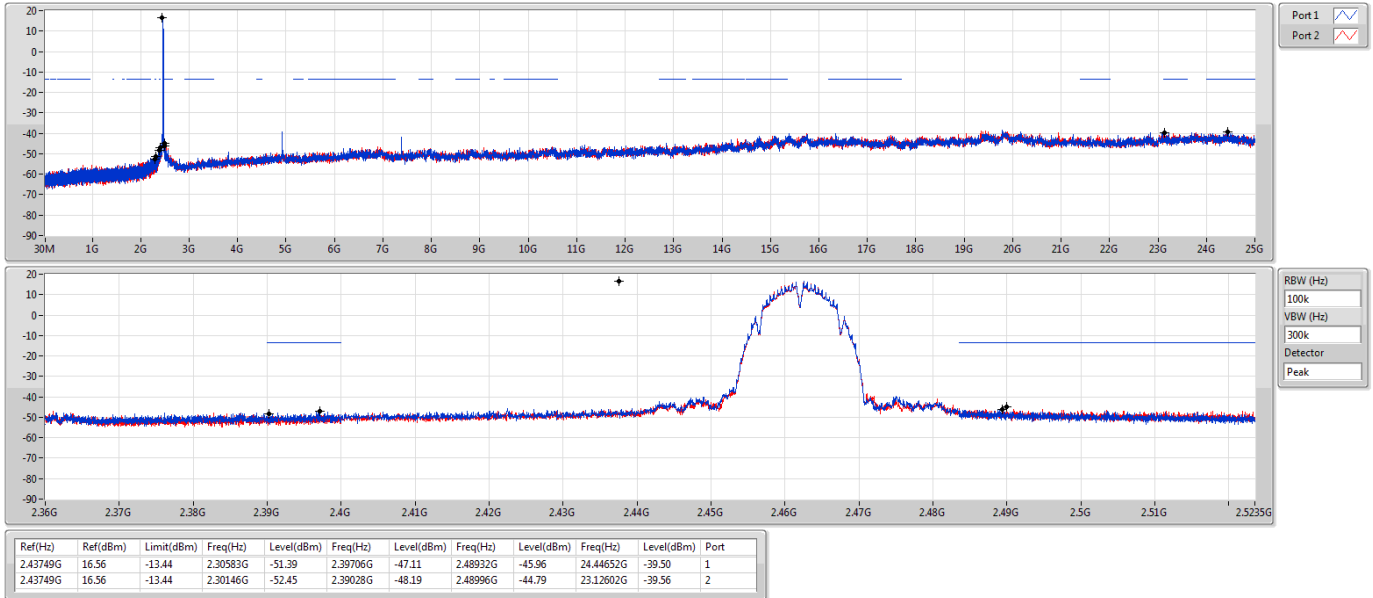
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	16.56	-13.44	2.30583G	-52.17	2.39344G	-46.25	2.49518G	-47.05	24.57857G	-39.55	1
2.43749G	16.56	-13.44	2.30903G	-50.65	2.39174G	-46.52	2.51754G	-46.43	24.37347G	-39.75	2

802.11b_Nss1,(1Mbps)_2TX

CSE NdB

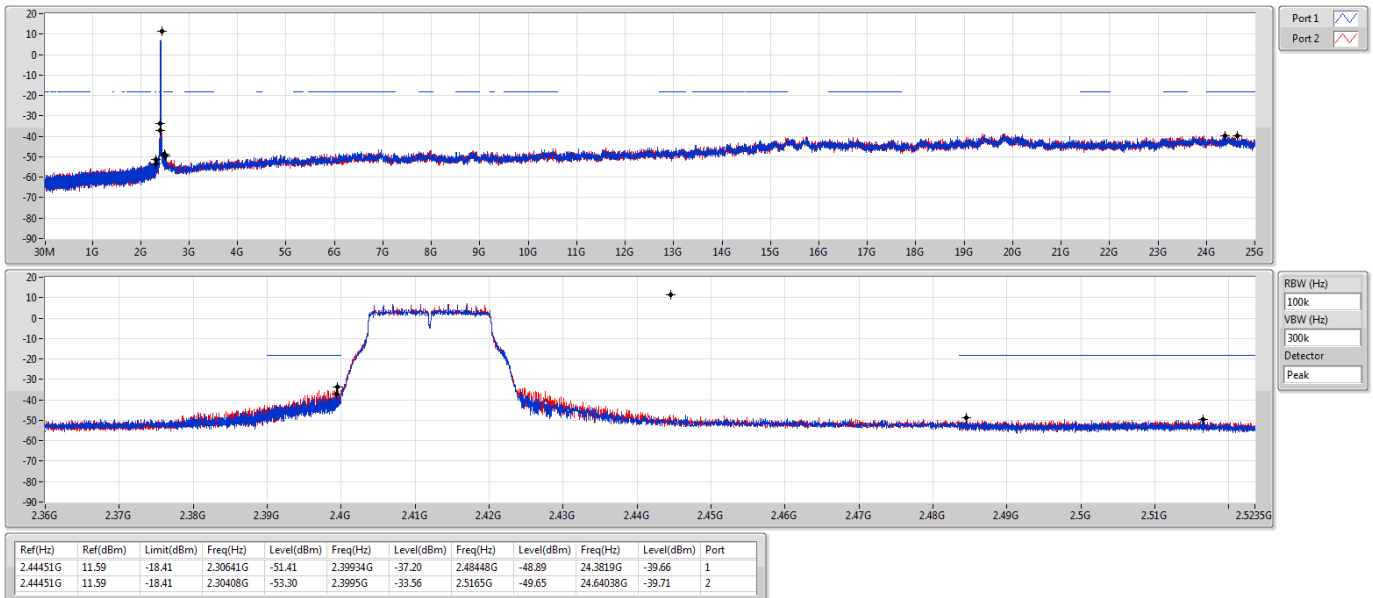
2462MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

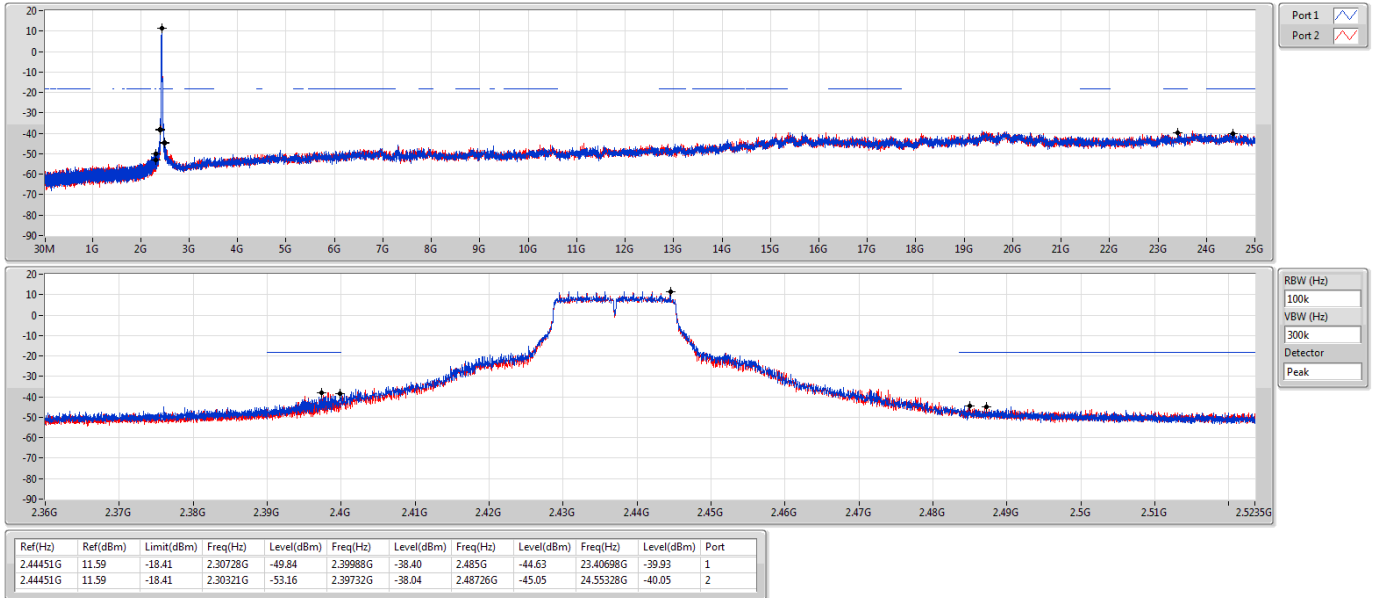
2412MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

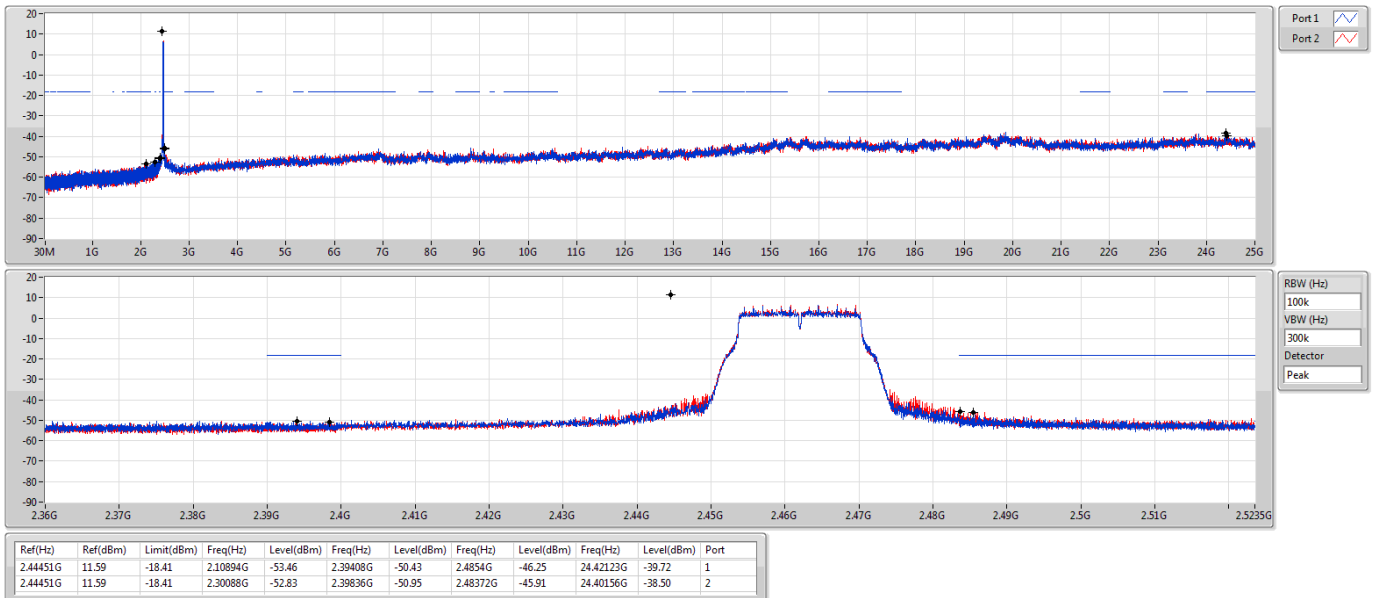
2437MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

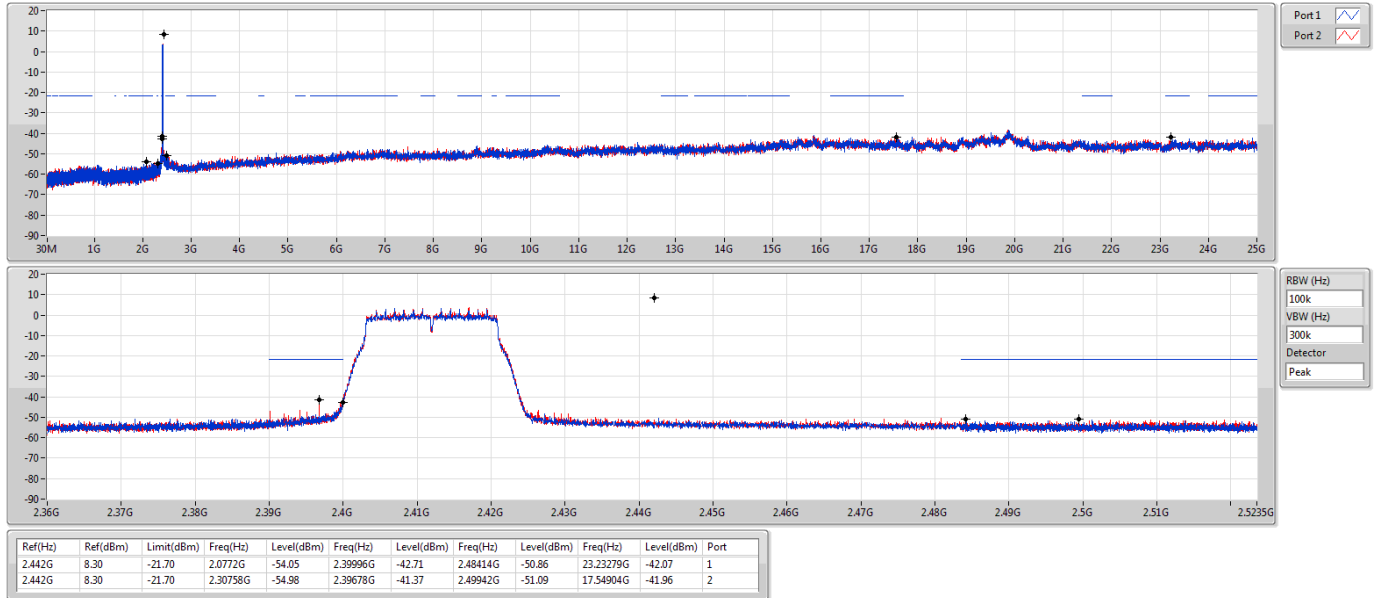
2462MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

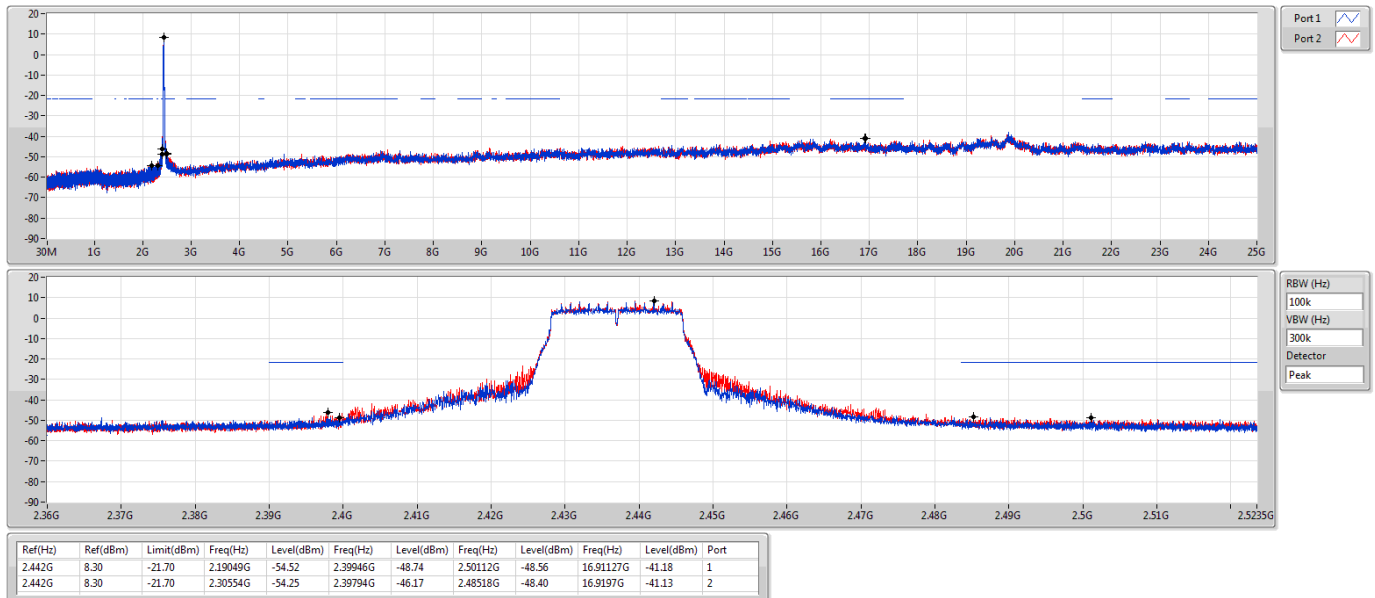
2412MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

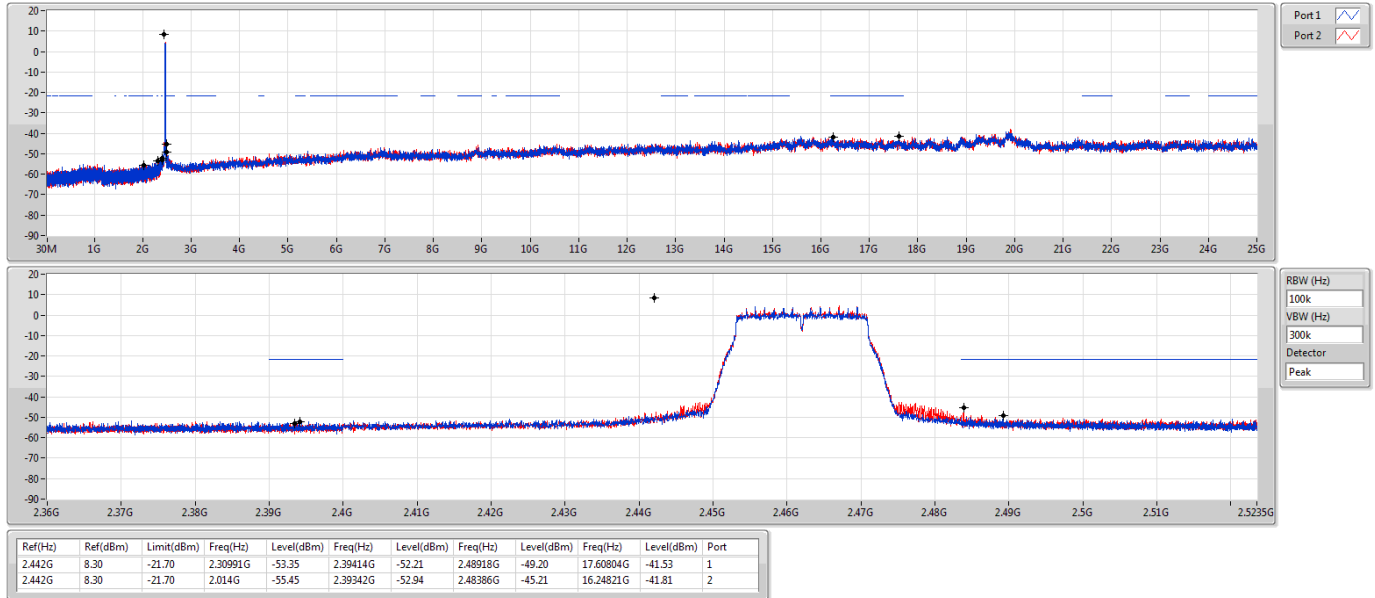
2437MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

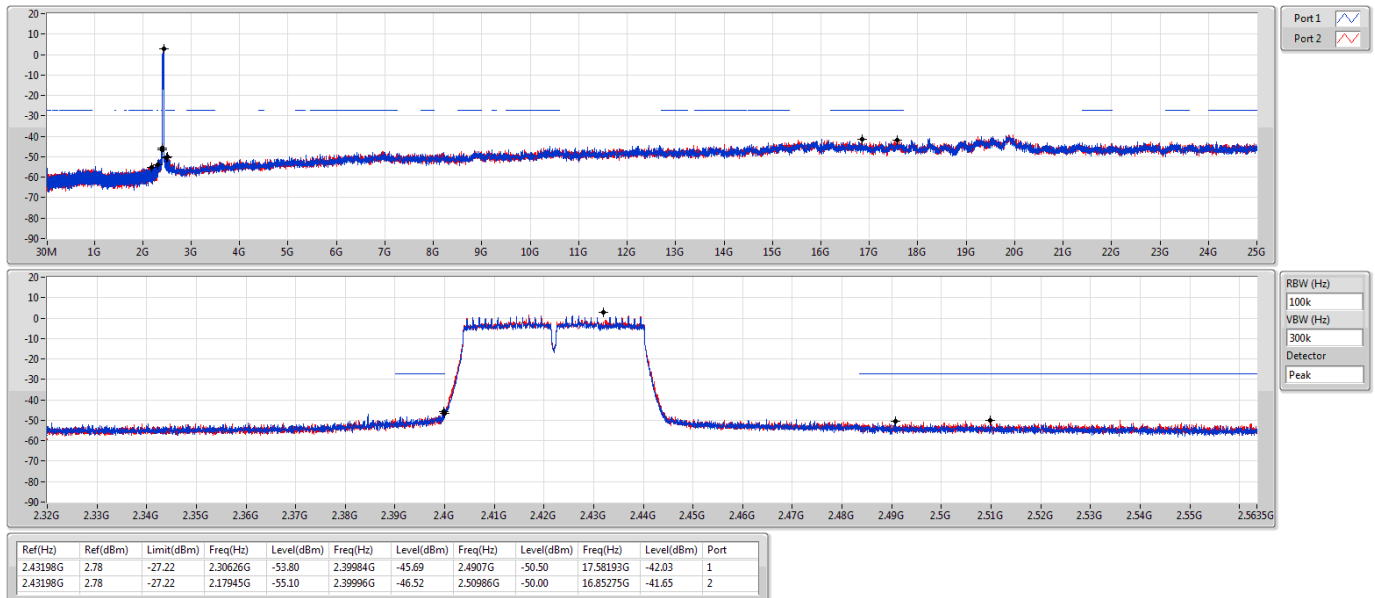
2462MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

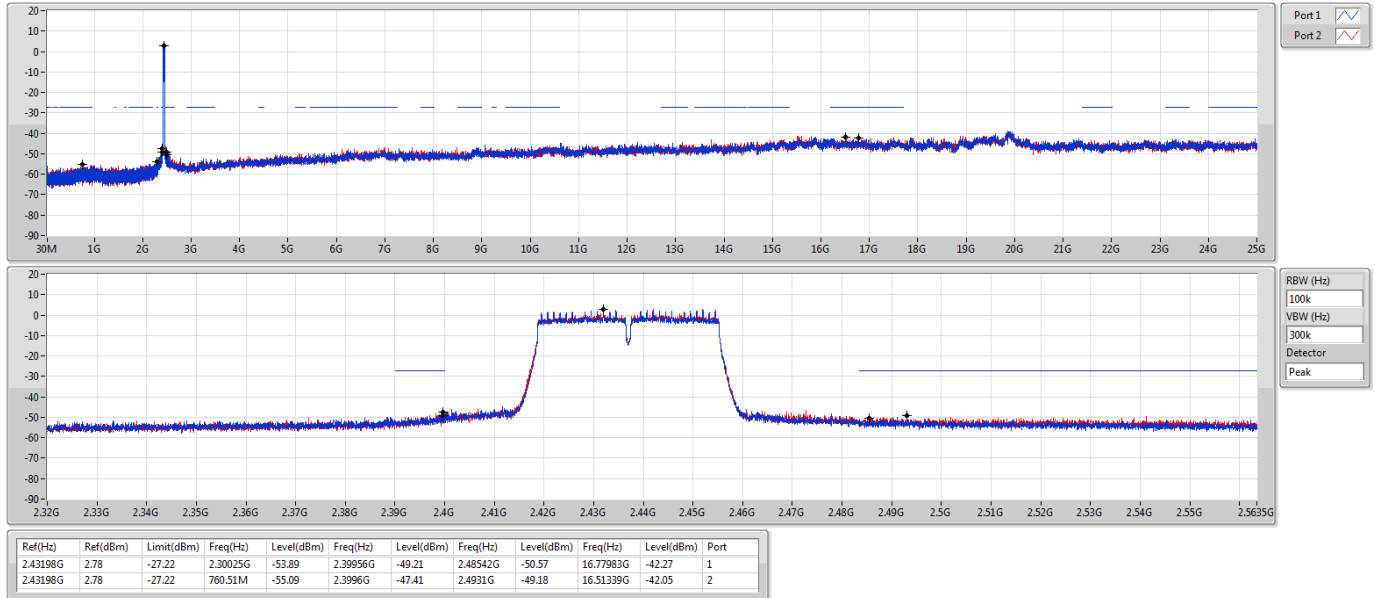
2422MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

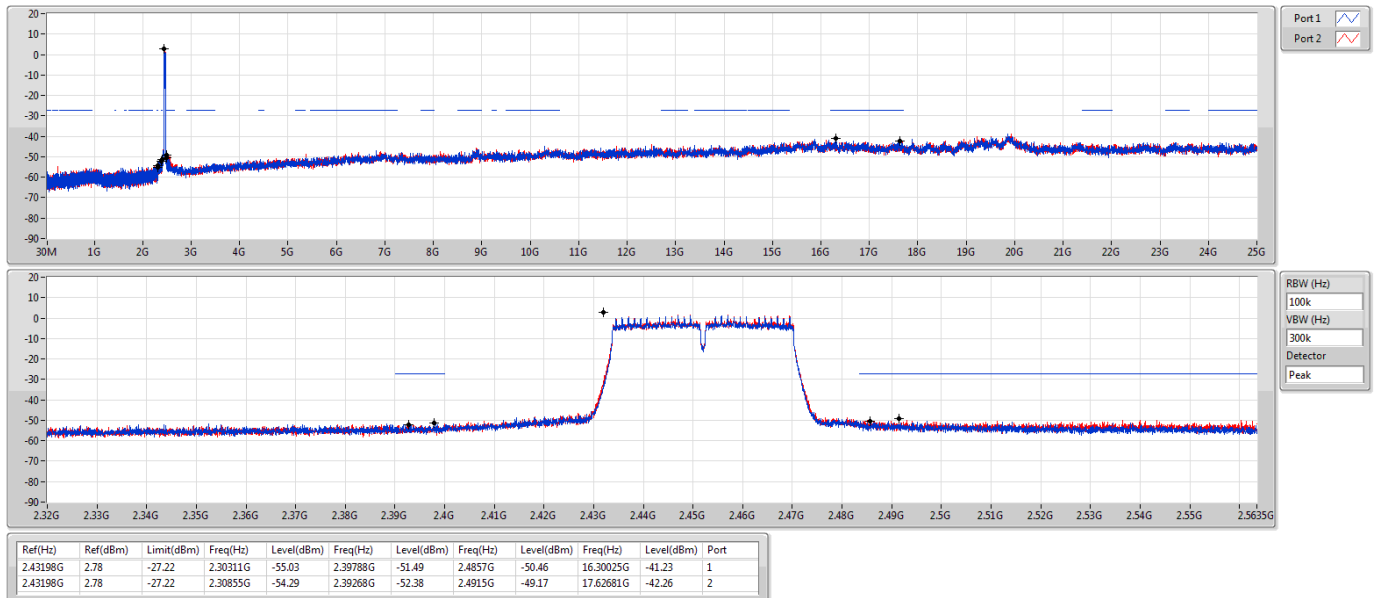
2437MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

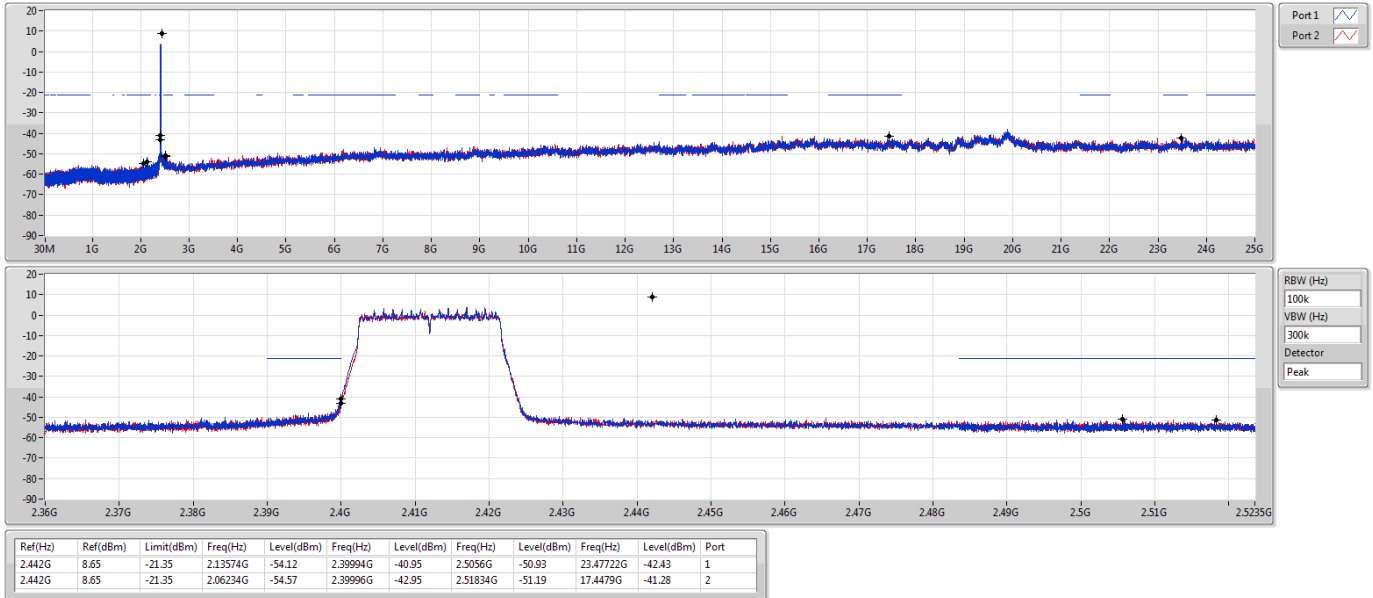
2452MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

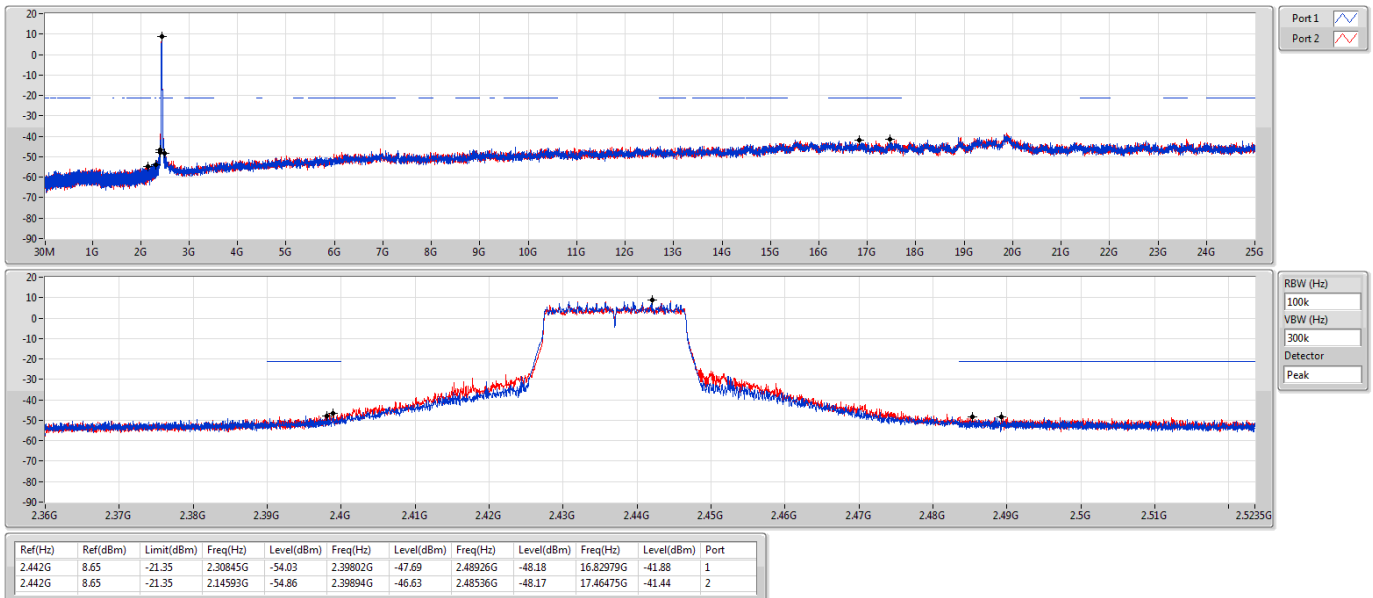
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

2437MHz

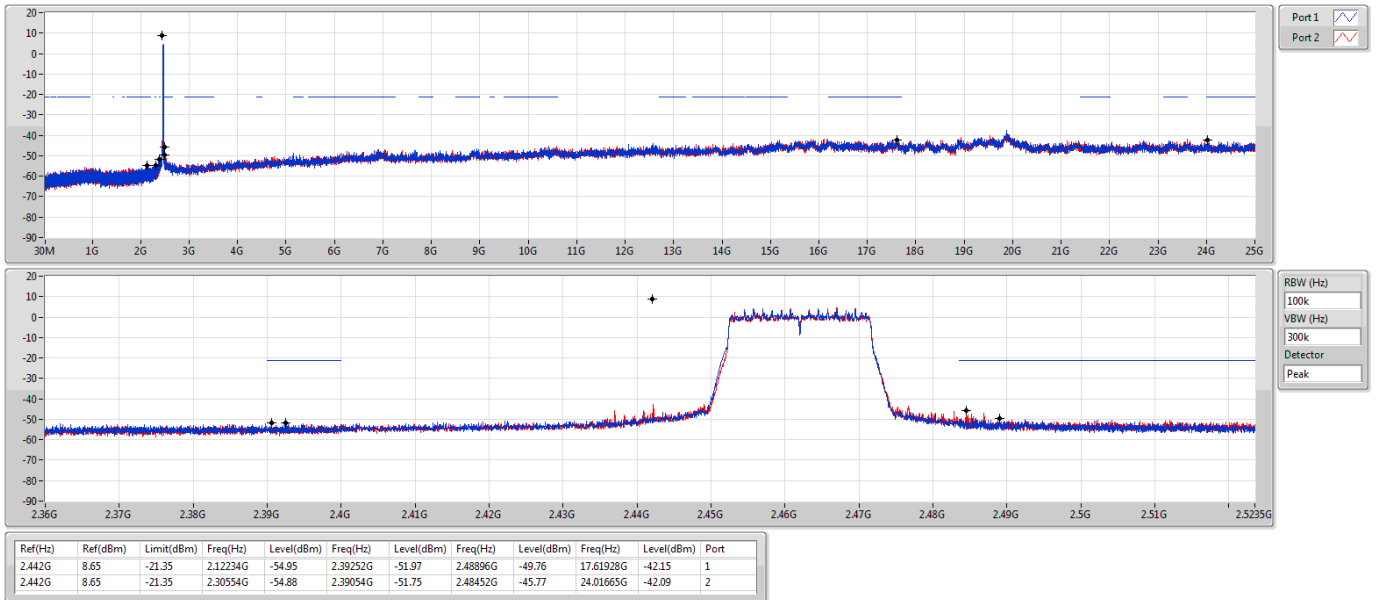


802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE NdB

04/09/2019

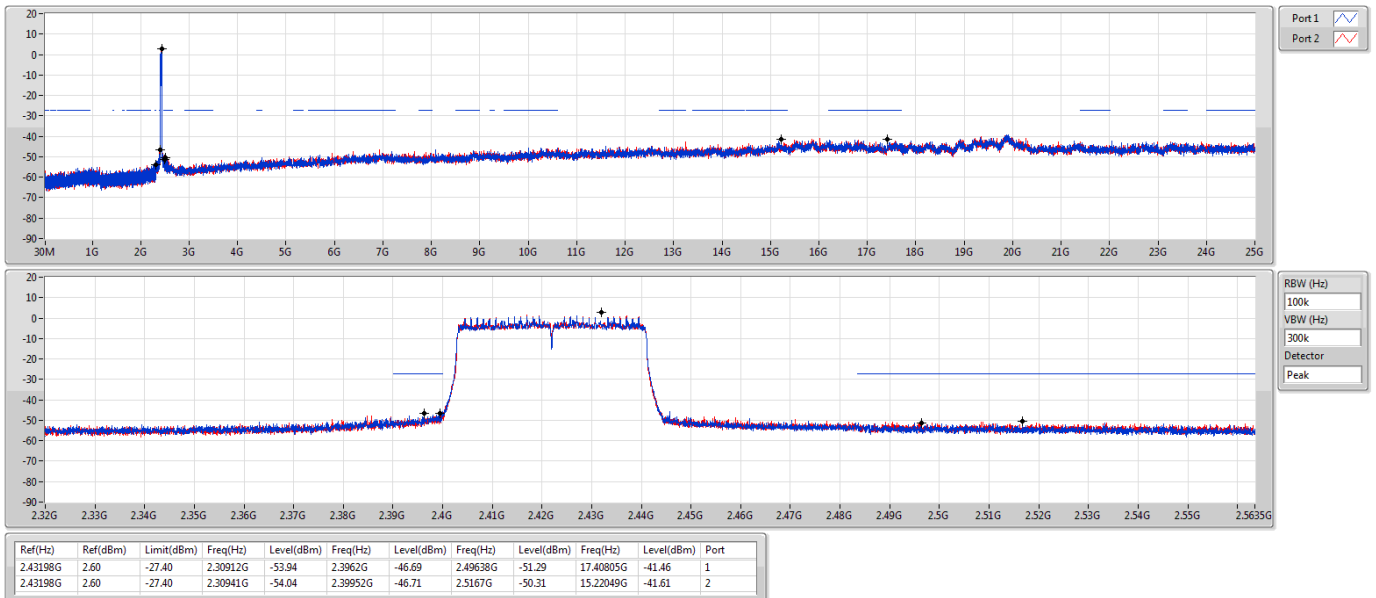


802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz

CSE NdB

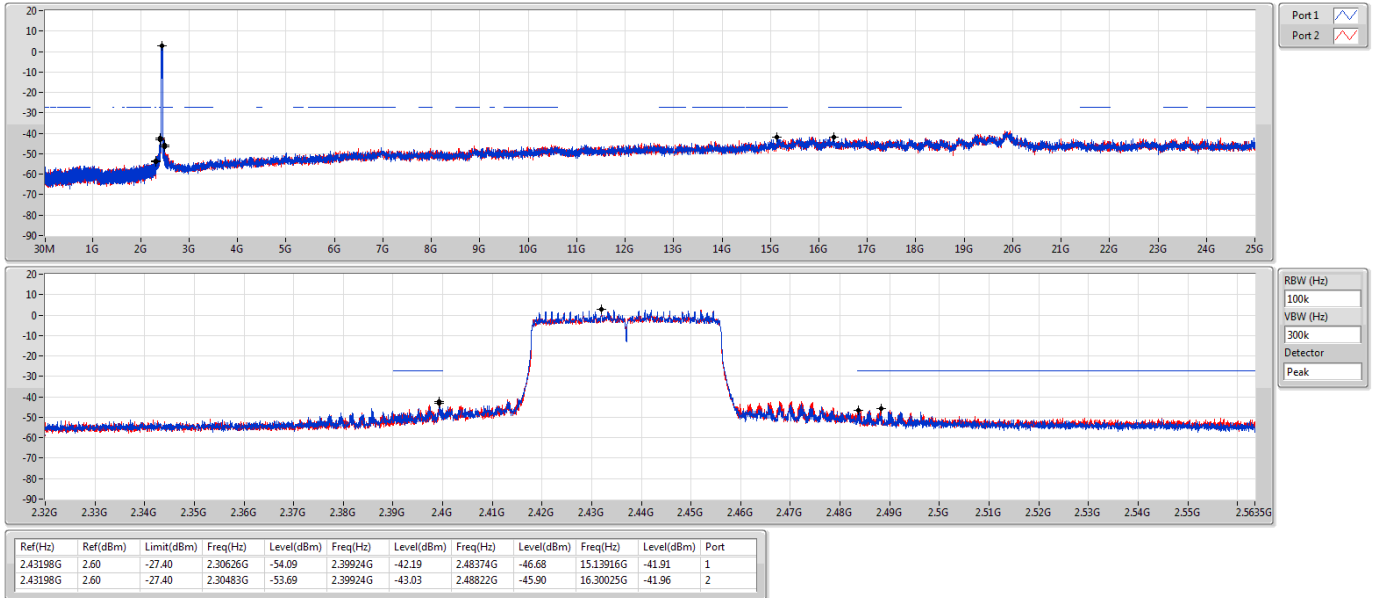
04/09/2019



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

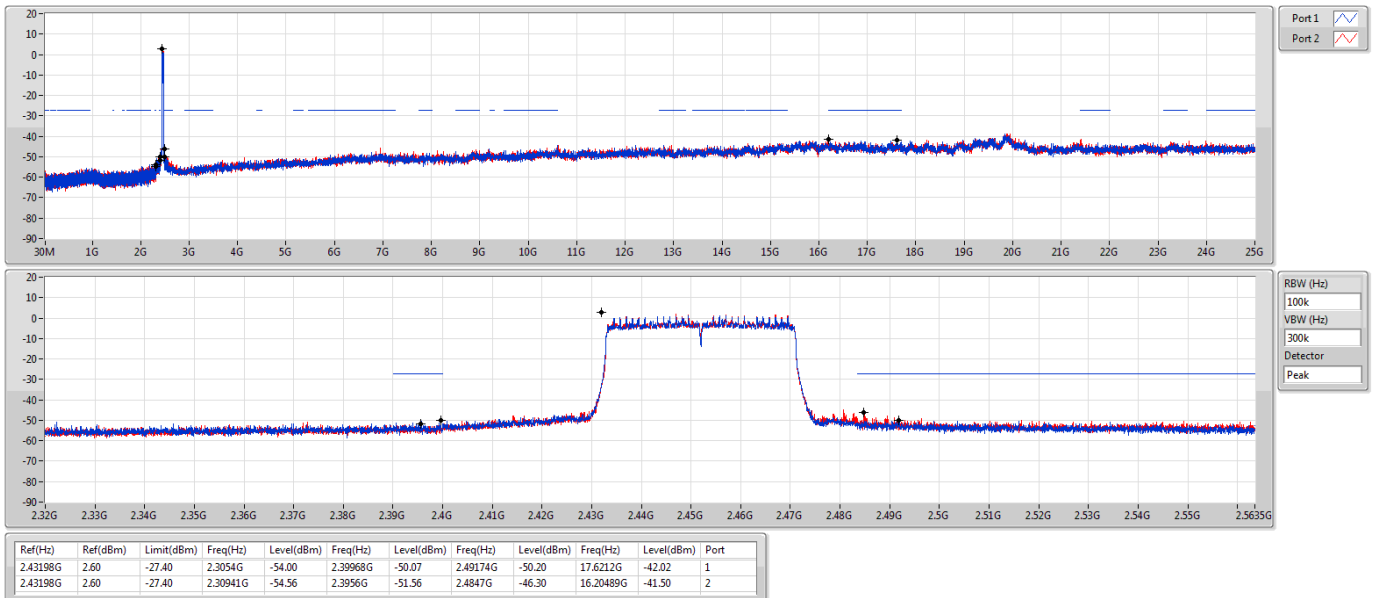
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Non-Beamforming_Sample 1_Radio 3_1T1S**

Appendix E.3

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	14.60	-15.40	2.1669G	-53.29	2.39998G	-39.90	2.50584G	-50.39	24.39313G	-36.41	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43945G	8.30	-21.70	1.97439G	-52.14	2.39986G	-34.53	2.48798G	-50.51	24.45214G	-36.80	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43198G	7.86	-22.14	2.30379G	-52.79	2.39826G	-36.63	2.50564G	-50.57	24.43809G	-36.84	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.43198G	1.18	-28.82	2.30769G	-53.15	2.39516G	-44.94	2.52346G	-50.46	24.42787G	-37.03	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43198G	7.91	-22.09	2.09962G	-53.93	2.39956G	-31.18	2.4861G	-50.66	23.42103G	-37.40	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43198G	1.35	-28.65	2.09501G	-54.01	2.39948G	-40.65	2.48474G	-47.66	23.44627G	-36.13	1

Result

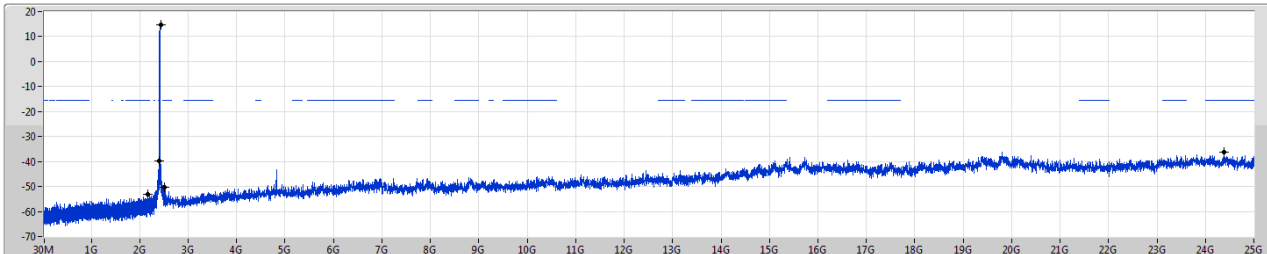
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	14.60	-15.40	2.1669G	-53.29	2.39998G	-39.90	2.50584G	-50.39	24.39313G	-36.41	1
2437MHz	Pass	2.43749G	14.60	-15.40	1.81828G	-53.81	2.39996G	-43.15	2.48598G	-46.46	24.45775G	-36.90	1
2462MHz	Pass	2.43749G	14.60	-15.40	1.93012G	-53.50	2.39844G	-50.03	2.48852G	-46.85	24.42966G	-37.03	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43945G	8.30	-21.70	1.97439G	-52.14	2.39986G	-34.53	2.48798G	-50.51	24.45214G	-36.80	1
2437MHz	Pass	2.43945G	8.30	-21.70	2.30991G	-53.06	2.39734G	-40.39	2.48516G	-46.15	24.4718G	-36.87	1
2462MHz	Pass	2.43945G	8.30	-21.70	2.19836G	-54.32	2.3993G	-50.85	2.48398G	-42.22	24.82862G	-37.50	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.86	-22.14	2.30379G	-52.79	2.39826G	-36.63	2.50564G	-50.57	24.43809G	-36.84	1
2437MHz	Pass	2.43198G	7.86	-22.14	47.77M	-51.88	2.39974G	-42.60	2.48506G	-46.36	24.52799G	-37.13	1
2462MHz	Pass	2.43198G	7.86	-22.14	2.10982G	-53.77	2.39852G	-51.42	2.48388G	-47.50	23.59241G	-36.89	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	1.18	-28.82	2.30769G	-53.15	2.39516G	-44.94	2.52346G	-50.46	24.42787G	-37.03	1
2437MHz	Pass	2.43198G	1.18	-28.82	2.30683G	-52.33	2.39948G	-40.50	2.49714G	-48.27	24.61577G	-37.52	1
2452MHz	Pass	2.43198G	1.18	-28.82	2.13308G	-54.26	2.39976G	-49.47	2.48358G	-43.90	24.28203G	-37.38	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.91	-22.09	2.09962G	-53.93	2.39956G	-31.18	2.4861G	-50.66	23.42103G	-37.40	1
2437MHz	Pass	2.43198G	7.91	-22.09	2.00788G	-54.13	2.39852G	-40.86	2.48352G	-43.93	23.21593G	-36.90	1
2462MHz	Pass	2.43198G	7.91	-22.09	2.0204G	-54.36	2.39514G	-51.94	2.48436G	-40.23	24.12342G	-36.97	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	1.35	-28.65	2.3097G	-52.39	2.39952G	-44.69	2.49086G	-49.64	24.46152G	-37.21	1
2437MHz	Pass	2.43198G	1.35	-28.65	2.09501G	-54.01	2.39948G	-40.65	2.48474G	-47.66	23.44627G	-36.13	1
2452MHz	Pass	2.43198G	1.35	-28.65	1.64073G	-53.78	2.39952G	-48.75	2.48942G	-44.89	24.01279G	-37.53	1

802.11b_Nss1,(1Mbps)_1TX

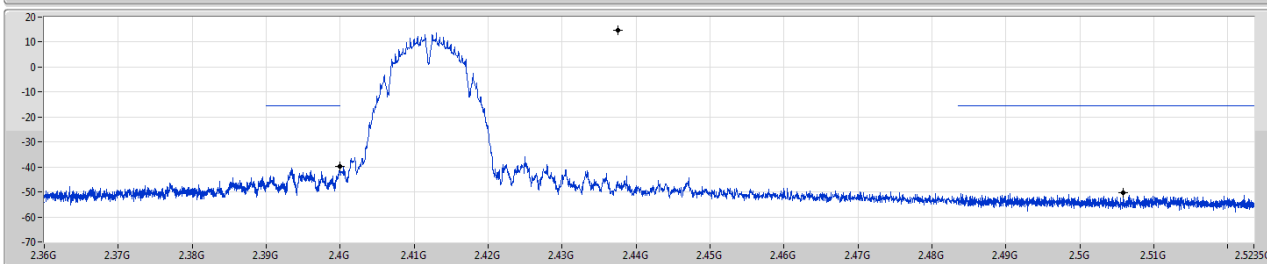
CSE NdB

2412MHz

09/09/2019



Port1



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

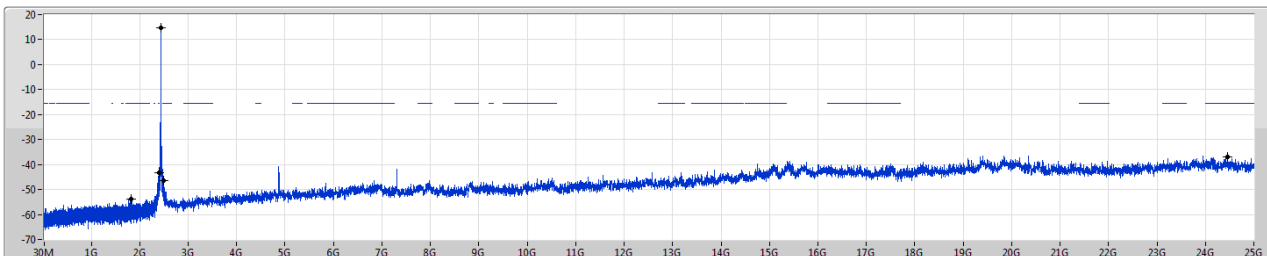
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	14.60	-15.40	2.1669G	-53.29	2.39998G	-39.90	2.50584G	-50.39	2.43931G	-36.41	1

802.11b_Nss1,(1Mbps)_1TX

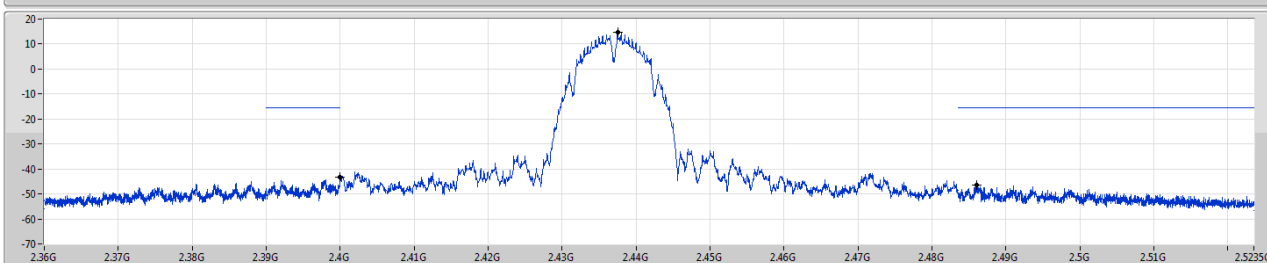
CSE NdB

2437MHz

09/09/2019



Port1



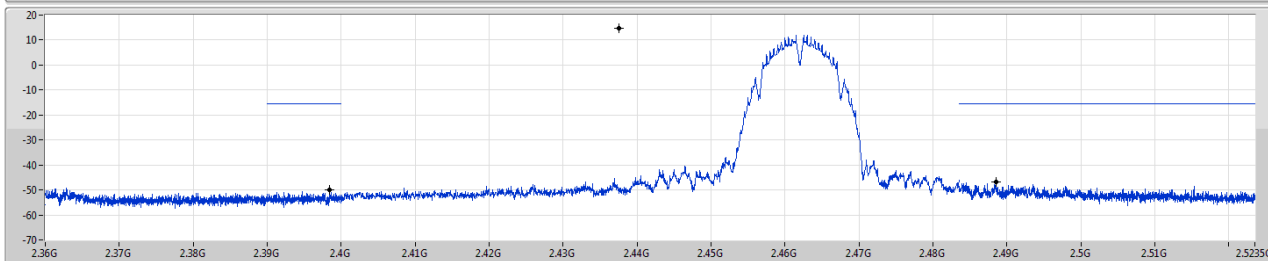
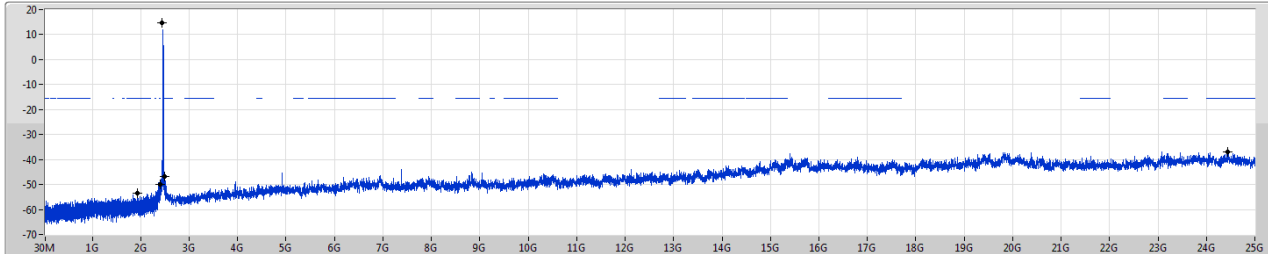
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	14.60	-15.40	1.81828G	-53.81	2.39996G	-43.15	2.48598G	-46.46	2.45775G	-36.90	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2462MHz

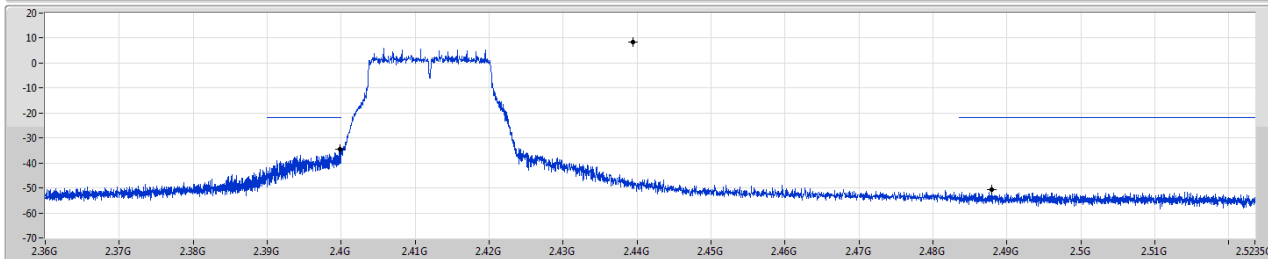
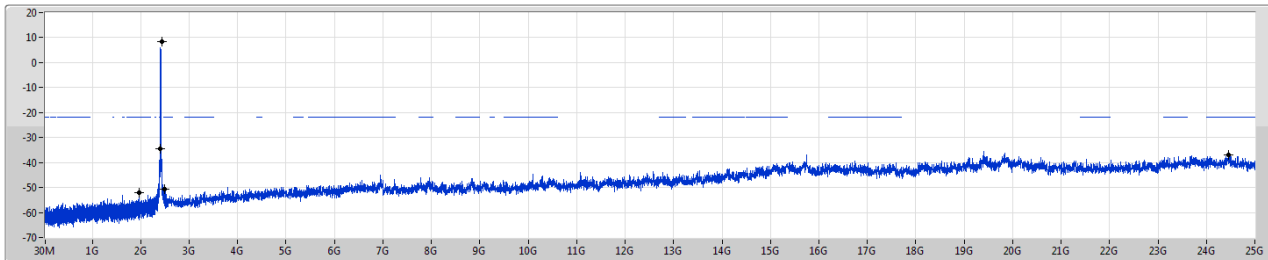


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43749G	14.60	-15.40	1.93012G	-53.50	2.39844G	-50.03	2.48852G	-46.85	2.42966G	-37.03	1

802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2412MHz



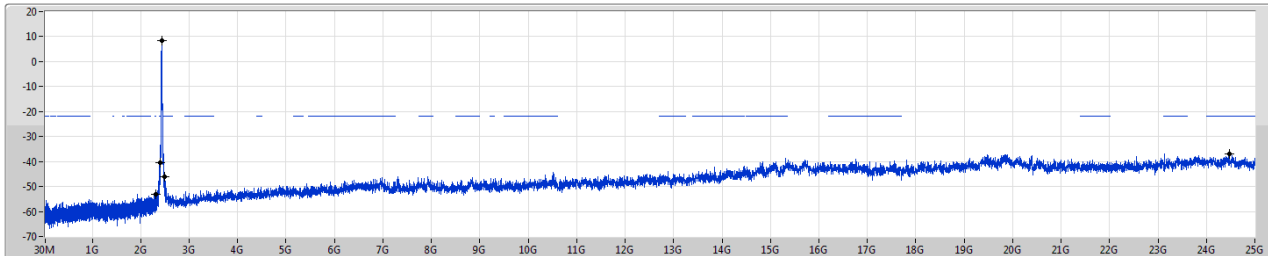
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	8.30	-21.70	1.97439G	-52.14	2.39986G	-34.53	2.48798G	-50.51	2.45214G	-36.80	1

802.11g_Nss1,(6Mbps)_1TX

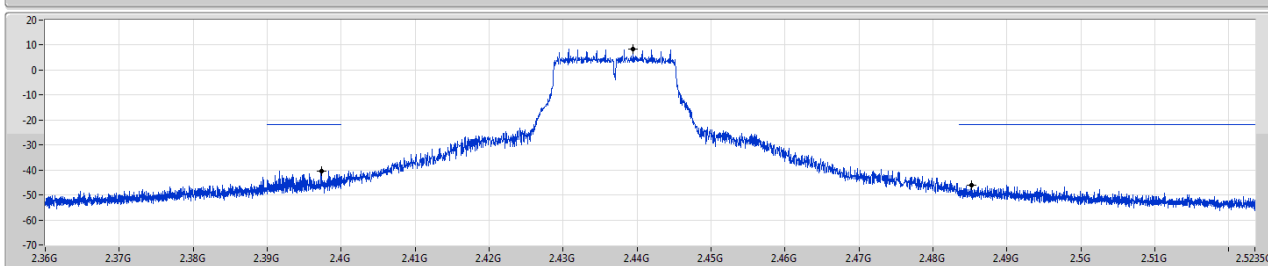
CSE NdB

2437MHz

09/09/2019



Port1



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

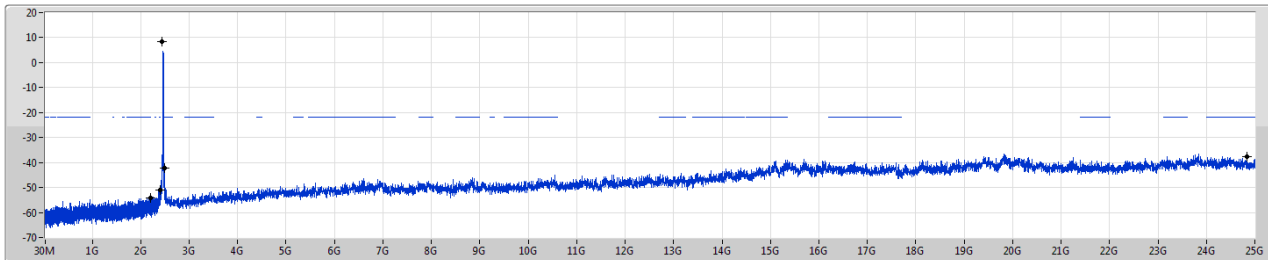
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	8.30	-21.70	2.30991G	-53.06	2.39734G	-40.39	2.48516G	-46.15	2.4718G	-36.87	1

802.11g_Nss1,(6Mbps)_1TX

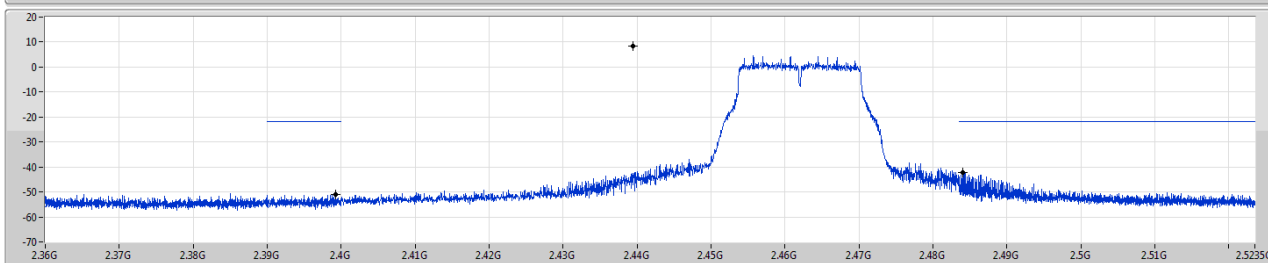
CSE NdB

2462MHz

09/09/2019



Port1



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

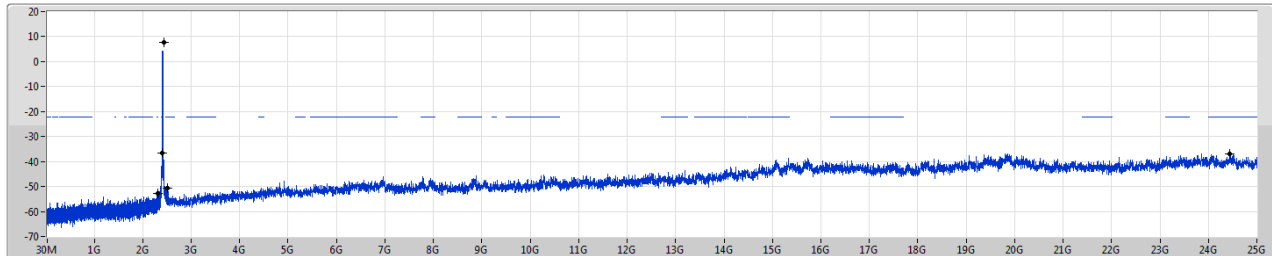
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2.43945G	8.30	-21.70	2.19836G	-54.32	2.3993G	-50.85	2.48398G	-42.22	2.482862G	-37.50	1

VHT20_Nss1,(MCS0)_1TX

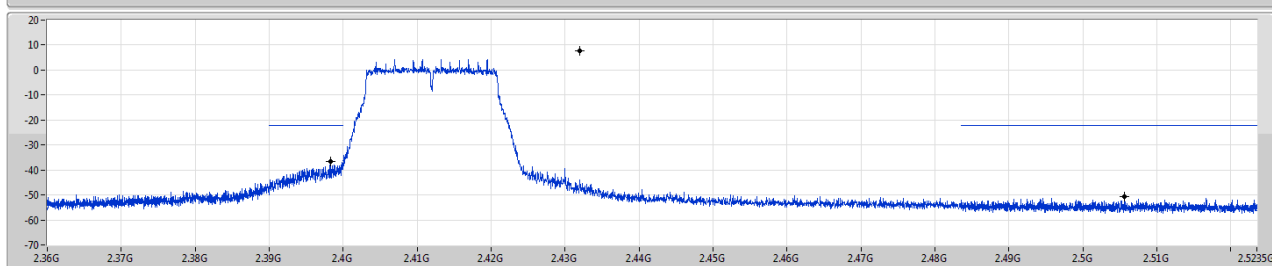
CSE NdB

2412MHz

09/09/2019



Port1



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

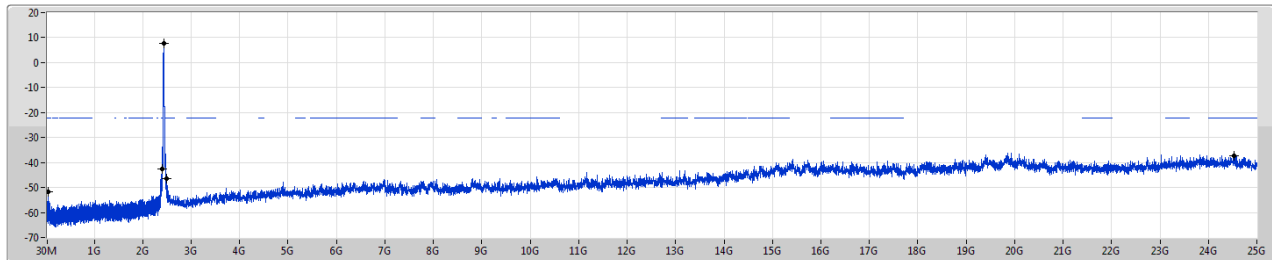
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.86	-22.14	2.30379G	-52.79	2.39826G	-36.63	2.50564G	-50.57	2.43809G	-36.84	1

VHT20_Nss1,(MCS0)_1TX

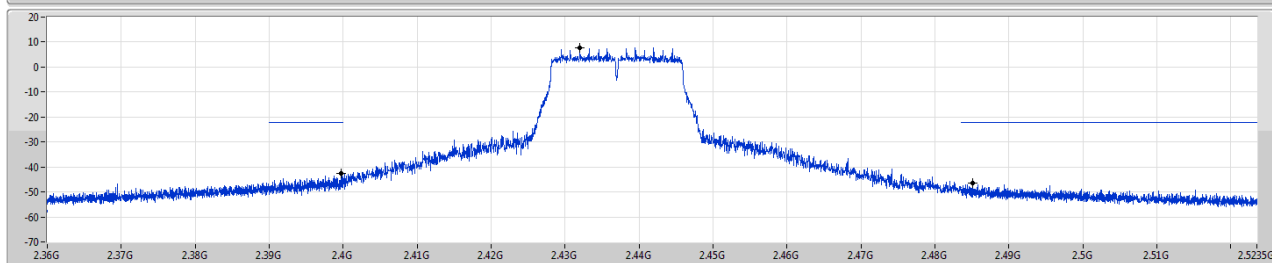
CSE NdB

2437MHz

09/09/2019



Port1



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

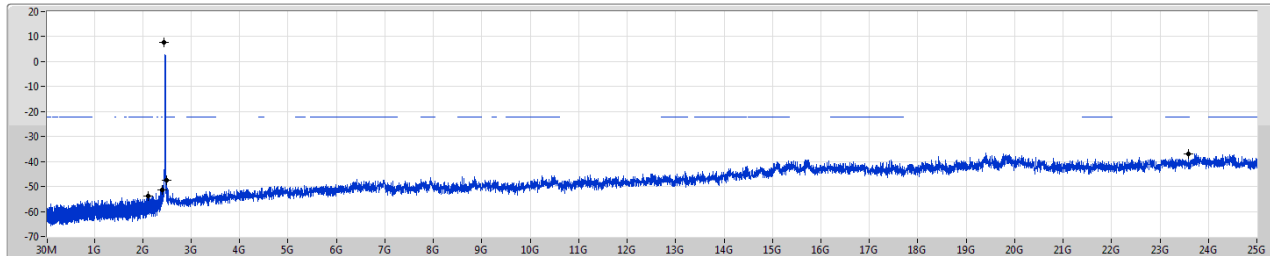
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.86	-22.14	47.77M	-51.88	2.39974G	-42.60	2.48506G	-46.36	2.45279G	-37.13	1

VHT20_Nss1,(MCS0)_1TX

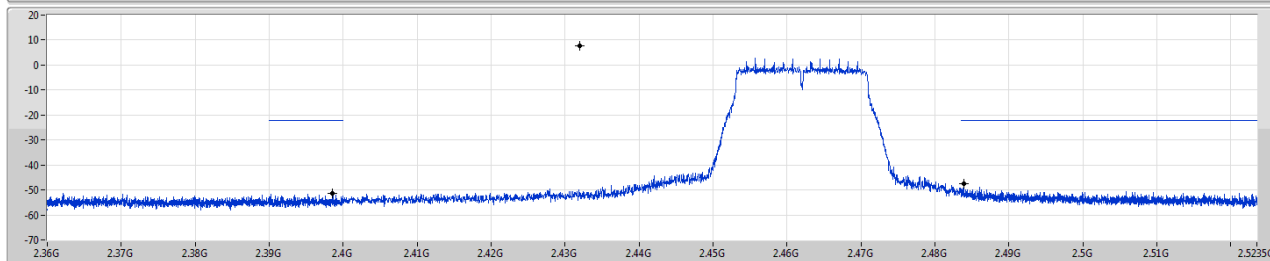
CSE NdB

2462MHz

09/09/2019



Port1



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

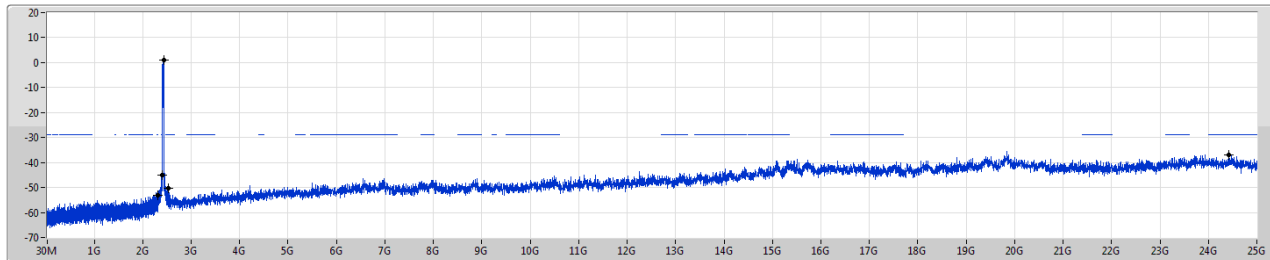
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.86	-22.14	2.10982G	-53.77	2.39852G	-51.42	2.48388G	-47.50	23.59241G	-36.89	1

VHT40_Nss1,(MCS0)_1TX

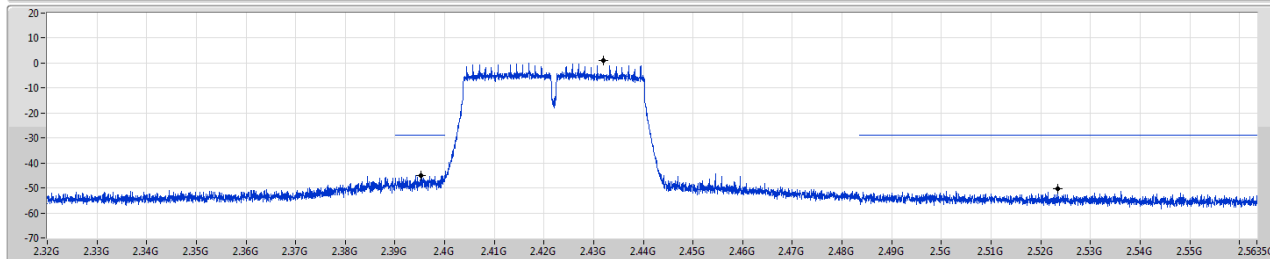
CSE NdB

2422MHz

09/09/2019



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
2.43198G	1.18	-28.82	2.30769G	-53.15	2.39516G	-44.94	2.52346G	-50.46	24.42787G	-37.03	1

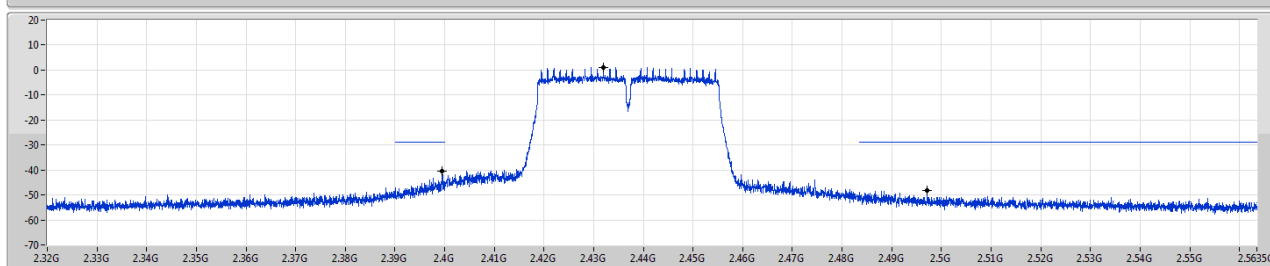
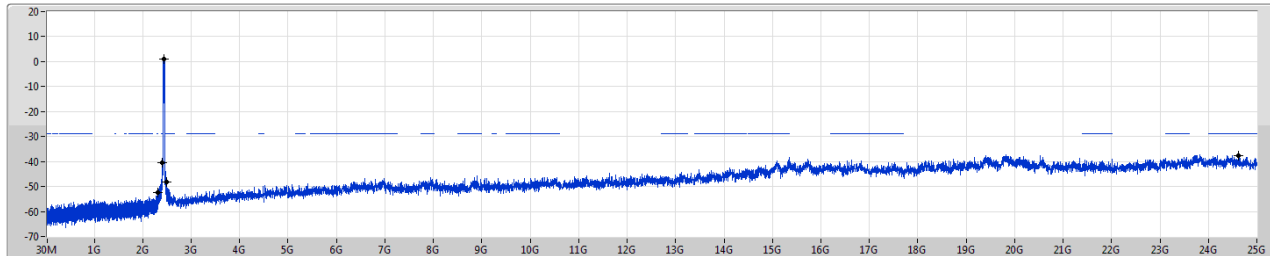
VHT40_Nss1,(MCS0)_1TX

CSE NdB

2437MHz

09/09/2019

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
2.43198G	1.18	-28.82	2.30683G	-52.33	2.39948G	-40.50	2.49714G	-48.27	2.46157G	-37.52	1

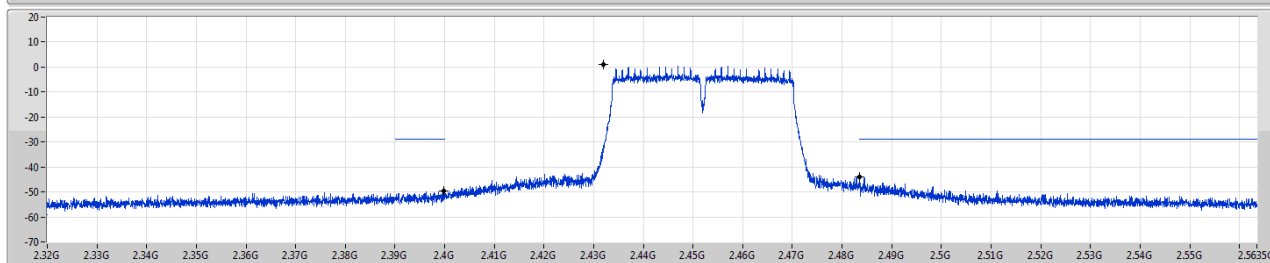
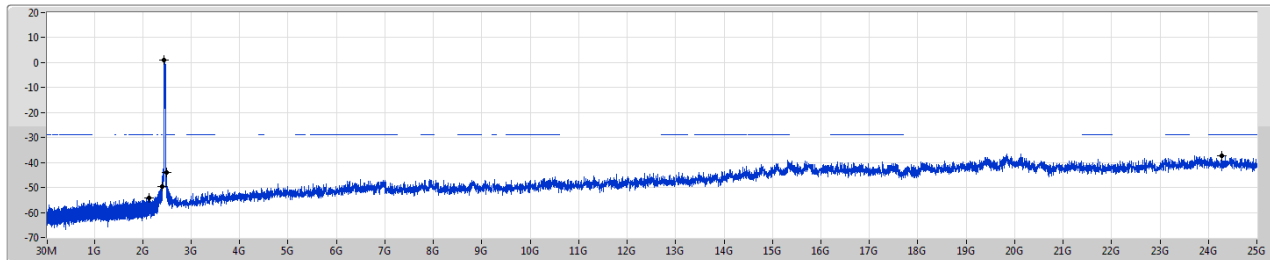
VHT40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz

09/09/2019

Port1



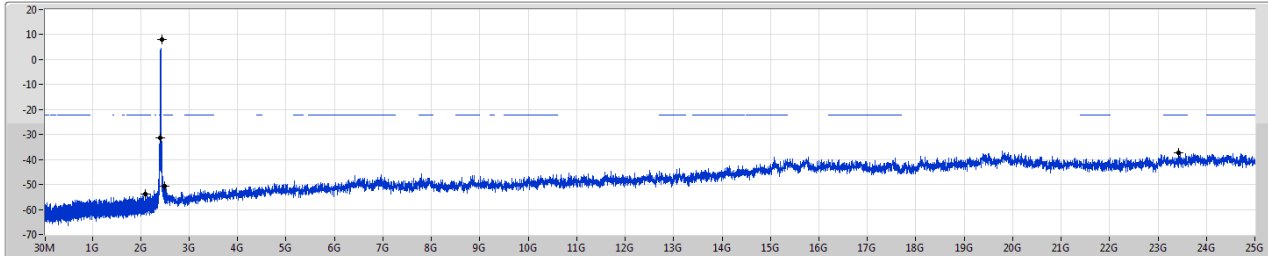
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	1.18	-28.82	2.13308G	-54.26	2.39976G	-49.47	2.48358G	-43.90	2.42820G	-37.38	1

802.11ax HEW20_Nss1,(MCS0)_1TX

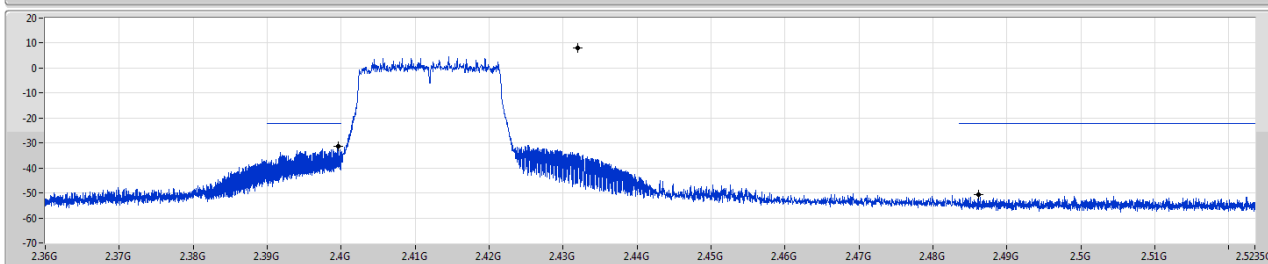
CSE NdB

2412MHz



09/09/2019

Port1



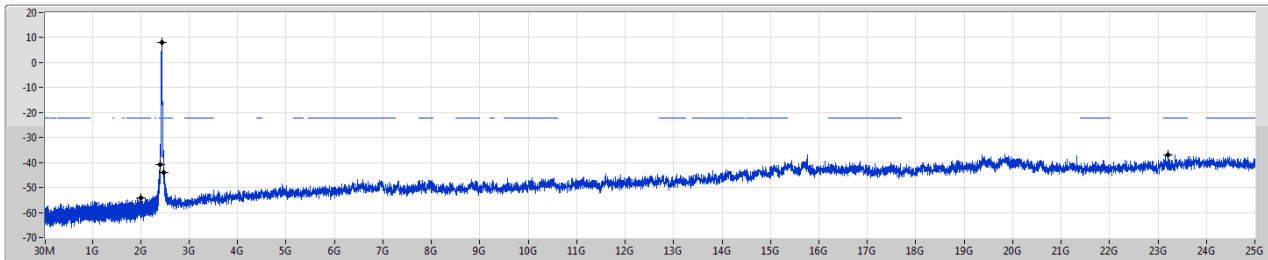
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.91	-22.09	2.09962G	-53.93	2.39956G	-31.18	2.4861G	-50.66	23.42103G	-37.40	1

802.11ax HEW20_Nss1,(MCS0)_1TX

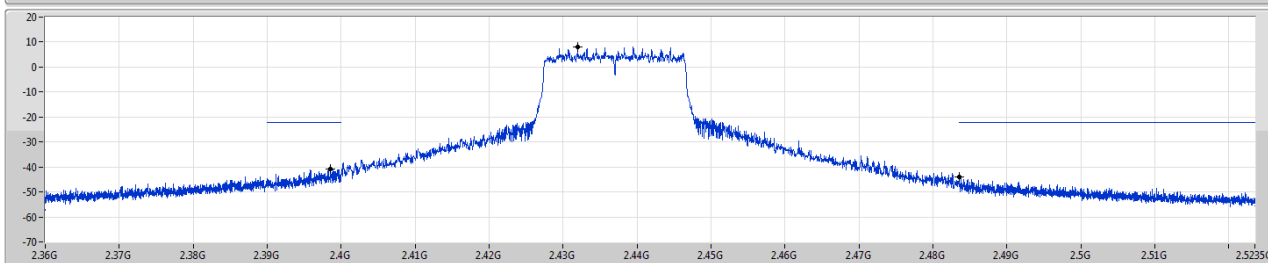
CSE NdB

2437MHz



09/09/2019

Port1



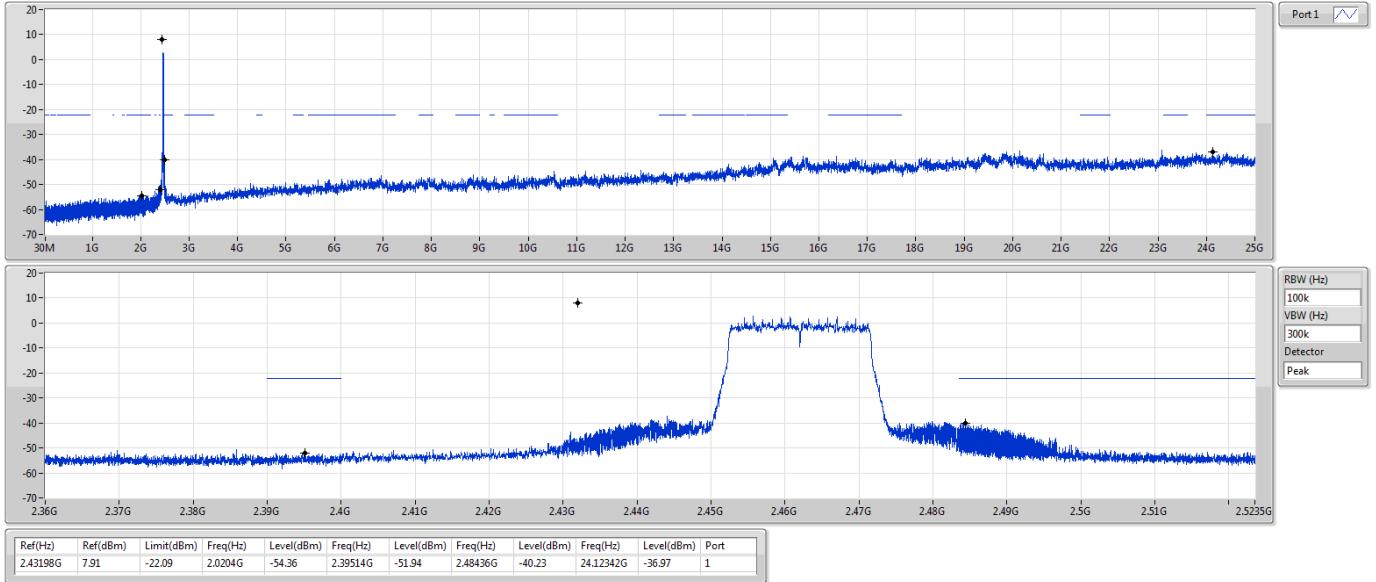
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.91	-22.09	2.00788G	-54.13	2.39852G	-40.86	2.48352G	-43.93	23.21593G	-36.90	1

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

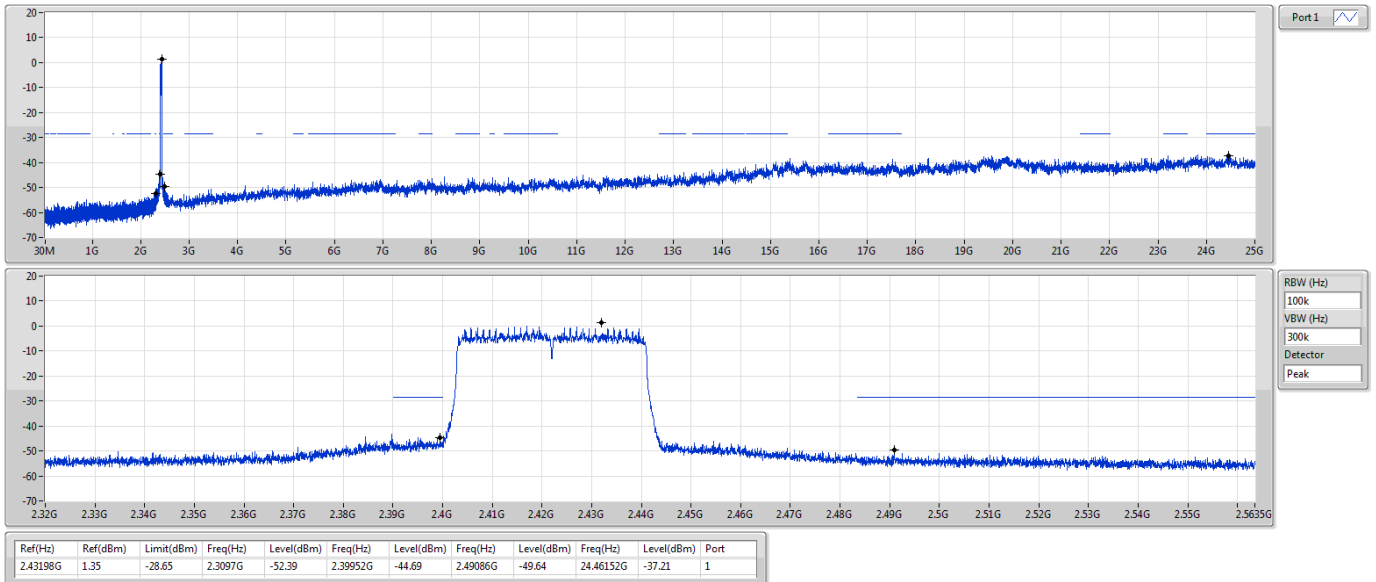
2462MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

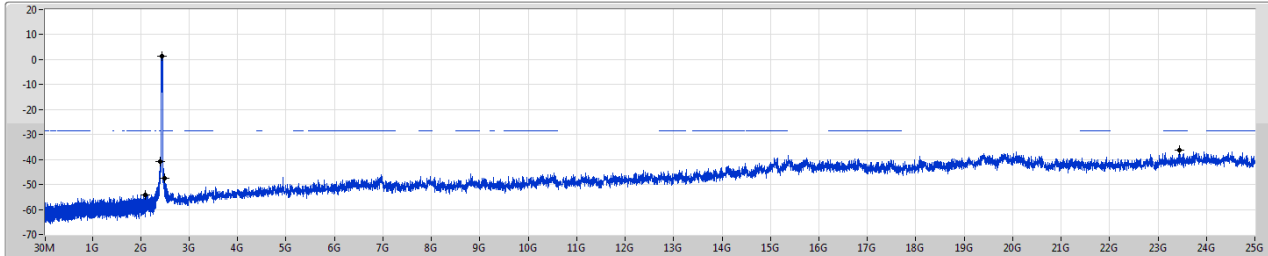


802.11ax HEW40_Nss1,(MCS0)_1TX

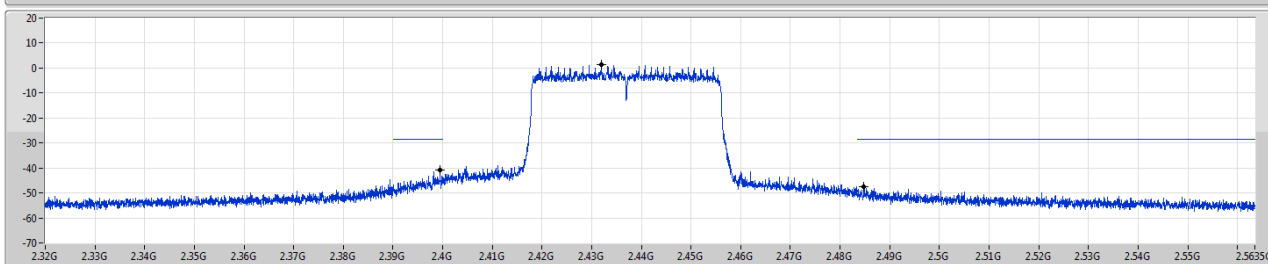
CSE NdB

2437MHz

09/09/2019



Port1



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

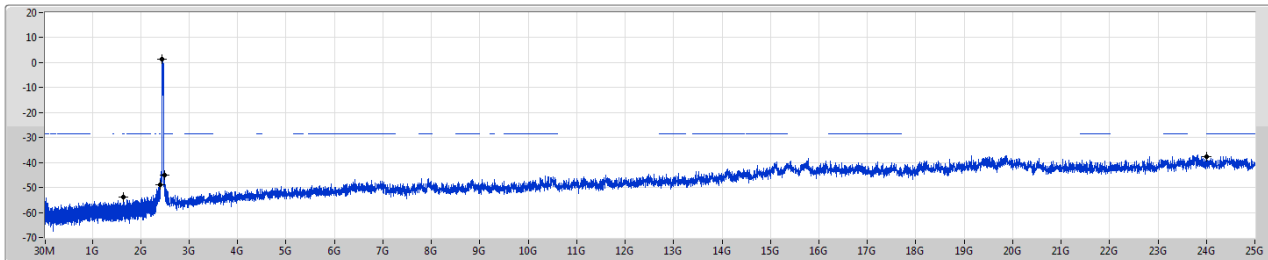
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	1.35	-28.65	2.09501G	-54.01	2.39948G	-40.65	2.48474G	-47.66	23.44627G	-36.13	1

802.11ax HEW40_Nss1,(MCS0)_1TX

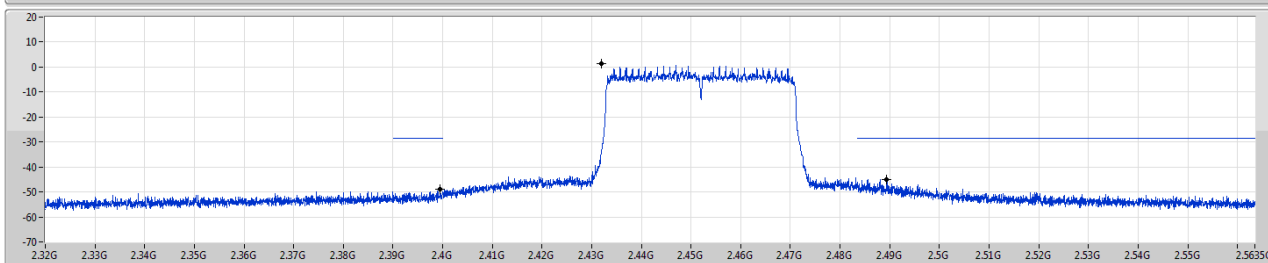
CSE NdB

2452MHz

09/09/2019



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
2.43198G	1.35	-28.65	1.64073G	-53.78	2.39952G	-48.75	2.48942G	-44.89	24.01279G	-37.53	1



**CSE(Non-restricted Band)
Non-Beamforming_Sample 1_Radio 3_2T2S**

Appendix E.4

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)_2TX	Pass	2.43649G	12.56	-17.44	2.12933G	-54.40	2.39998G	-39.15	2.51556G	-52.18	16.22855G	-40.77	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4395G	7.09	-22.91	948.02M	-55.73	2.39888G	-34.54	2.49134G	-52.43	16.20888G	-41.85	2
VHT20_Nss2,(MCS0)_2TX	Pass	2.4357G	5.33	-24.67	2.12787G	-55.29	2.39604G	-35.40	2.50492G	-51.19	17.48161G	-42.20	2
VHT40_Nss2,(MCS0)_2TX	Pass	2.43198G	-0.32	-30.32	2.08814G	-55.06	2.39948G	-42.83	2.4873G	-49.99	16.93408G	-41.63	2
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.4395G	5.71	-24.29	702.21M	-55.47	2.39962G	-31.56	2.48428G	-51.98	16.56569G	-42.42	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	-0.24	-30.24	2.11132G	-54.87	2.39072G	-43.37	2.4995G	-51.80	16.22452G	-41.45	2

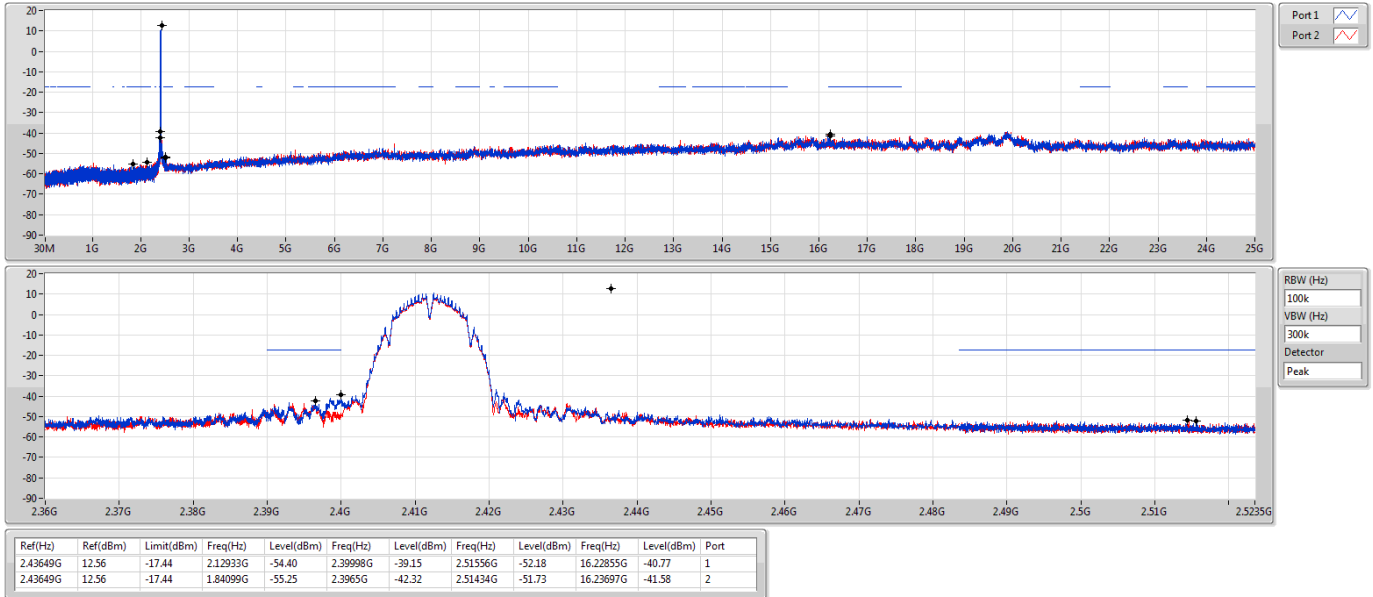
Result

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
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	2.12933G	-54.40	2.3998G	-39.15	2.51556G	-52.18	16.22855G	-40.77	1
2412MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	1.84099G	-55.25	2.3965G	-42.32	2.51434G	-51.73	16.23697G	-41.58	2
2437MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	1.96419G	-55.15	2.39912G	-46.74	2.48752G	-48.42	16.20326G	-41.56	1
2437MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	2.30408G	-53.99	2.39982G	-49.52	2.48982G	-50.26	16.76517G	-42.70	2
2462MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	2.13545G	-55.08	2.3976G	-51.33	2.48352G	-49.68	16.31564G	-40.61	1
2462MHz_TnomVnom	Pass	2.43649G	12.56	-17.44	2.09525G	-55.52	2.39076G	-51.78	2.49098G	-49.90	16.21731G	-42.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	2.30699G	-53.88	2.3999G	-35.23	2.5007G	-51.57	16.90003G	-40.86	1
2412MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	948.02M	-55.73	2.39888G	-34.54	2.49134G	-52.43	16.20888G	-41.85	2
2437MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	947.44M	-55.69	2.39728G	-42.20	2.492G	-46.46	16.41679G	-41.68	1
2437MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	724.05M	-54.84	2.39982G	-42.84	2.48734G	-45.47	16.43364G	-41.78	2
2462MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	1.9106G	-55.39	2.39704G	-51.47	2.48372G	-41.92	16.35498G	-42.35	1
2462MHz_TnomVnom	Pass	2.4395G	7.09	-22.91	2.16778G	-54.16	2.39754G	-52.36	2.48382G	-41.82	24.54766G	-42.72	2
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	2.30437G	-55.47	2.39988G	-37.74	2.51046G	-52.76	16.87755G	-41.96	1
2412MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	2.12787G	-55.29	2.39604G	-35.40	2.50492G	-51.19	17.48161G	-42.20	2
2437MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	2.09991G	-55.52	2.39984G	-48.68	2.4846G	-49.55	15.09067G	-42.21	1
2437MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	652.11M	-56.02	2.39662G	-45.24	2.4841G	-48.39	15.16372G	-41.40	2
2462MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	2.30758G	-55.59	2.39524G	-53.48	2.48466G	-49.05	17.58276G	-41.96	1
2462MHz_TnomVnom	Pass	2.4357G	5.33	-24.67	796.86M	-55.06	2.3964G	-53.40	2.48478G	-45.32	16.90565G	-41.07	2
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	2.3054G	-54.95	2.39072G	-44.87	2.4937G	-52.48	16.30866G	-41.76	1
2422MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	2.0243G	-55.64	2.39704G	-44.23	2.48978G	-52.30	16.21891G	-41.77	2
2437MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	1.9015G	-55.31	2.39952G	-41.90	2.4863G	-50.73	23.23032G	-42.08	1
2437MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	2.08814G	-55.06	2.39948G	-42.83	2.4873G	-49.99	16.93408G	-41.63	2
2452MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	2.14882G	-54.82	2.39452G	-51.32	2.48946G	-44.47	15.24854G	-42.53	1
2452MHz_TnomVnom	Pass	2.43198G	-0.32	-30.32	2.30082G	-55.88	2.39448G	-51.40	2.48446G	-45.62	23.32848G	-42.40	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	2.3G	-54.91	2.39932G	-37.97	2.4849G	-52.79	16.74831G	-41.09	1
2412MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	702.21M	-55.47	2.39962G	-31.56	2.48428G	-51.98	16.56569G	-42.42	2
2437MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	1.98458G	-56.01	2.39934G	-47.06	2.48964G	-48.35	16.79889G	-42.09	1
2437MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	2.30816G	-55.43	2.39952G	-45.20	2.48468G	-44.64	16.2454G	-42.27	2
2462MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	1.96973G	-54.55	2.39244G	-53.41	2.48382G	-49.57	16.84665G	-41.53	1
2462MHz_TnomVnom	Pass	2.4395G	5.71	-24.29	2.12118G	-54.07	2.398G	-52.97	2.48432G	-47.64	16.24821G	-42.15	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	2.30025G	-55.05	2.39252G	-45.05	2.48374G	-52.60	16.20209G	-41.83	1
2422MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	2.11132G	-54.87	2.39072G	-43.37	2.4995G	-51.80	16.22452G	-41.45	2
2437MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	1.98022G	-55.44	2.39952G	-42.50	2.48802G	-47.30	16.5807G	-41.68	1
2437MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	2.02516G	-55.55	2.39952G	-42.50	2.4857G	-46.13	17.11077G	-42.15	2
2452MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	2.16915G	-54.88	2.39364G	-51.52	2.48446G	-45.72	15.1672G	-42.10	1
2452MHz_TnomVnom	Pass	2.43198G	-0.24	-30.24	2.11848G	-55.53	2.39452G	-50.86	2.48446G	-45.64	16.55266G	-41.76	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

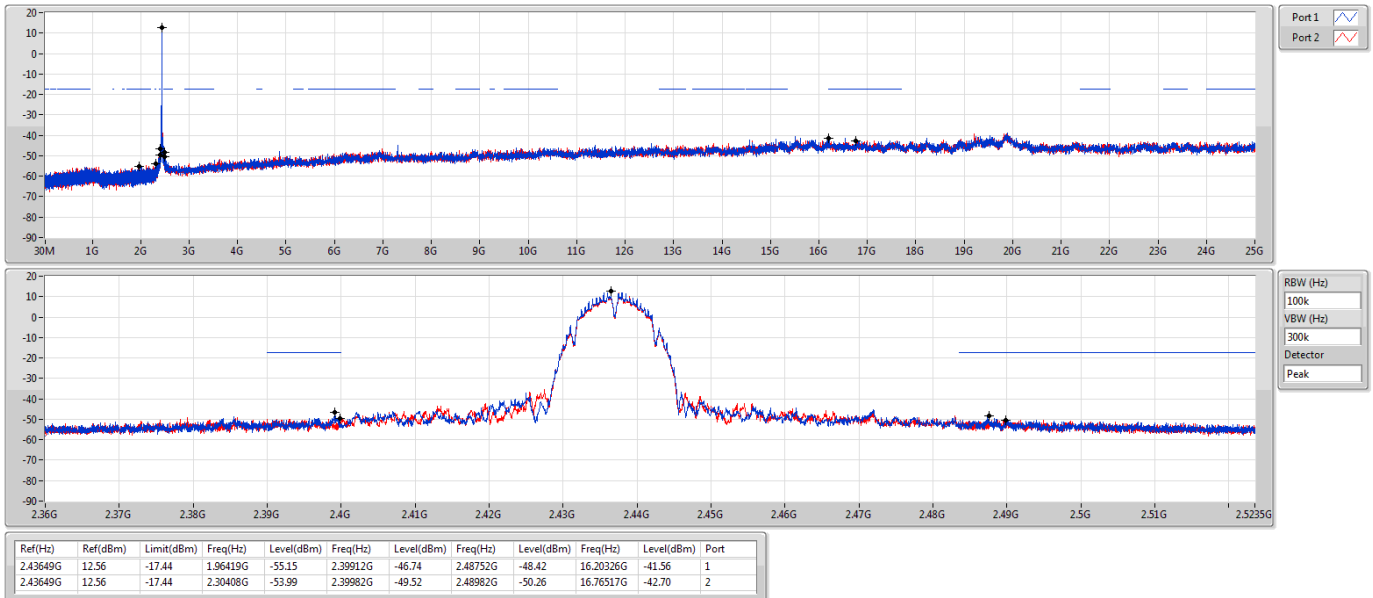
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

2437MHz

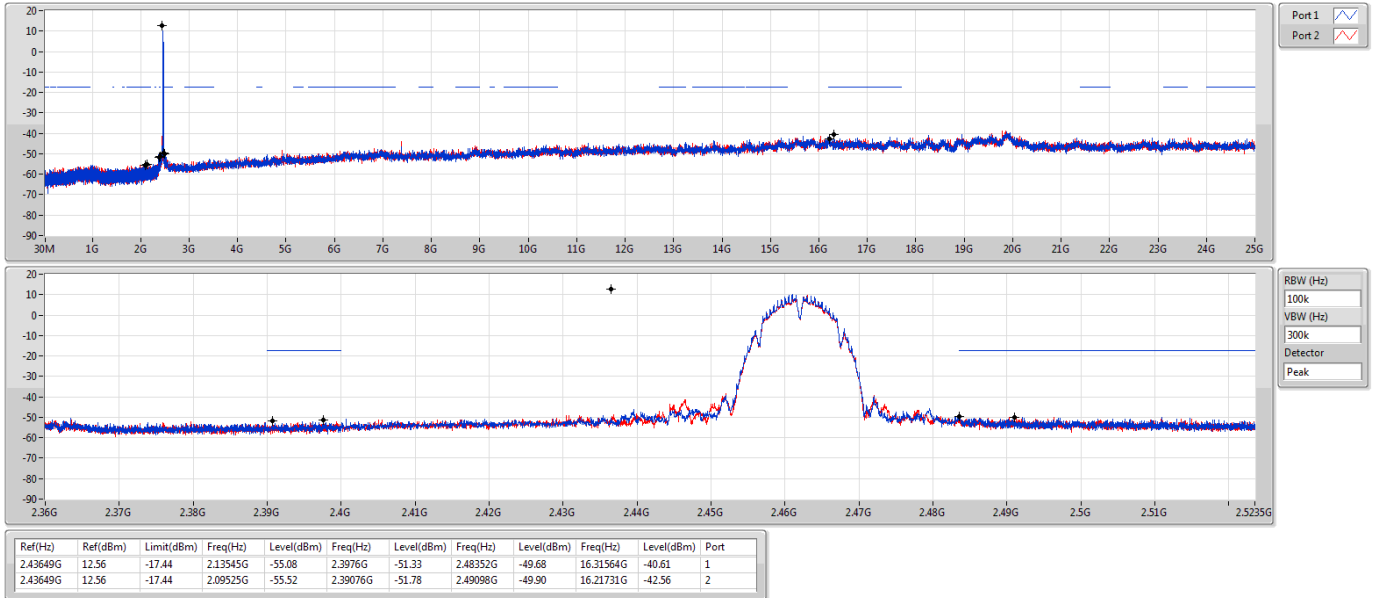
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

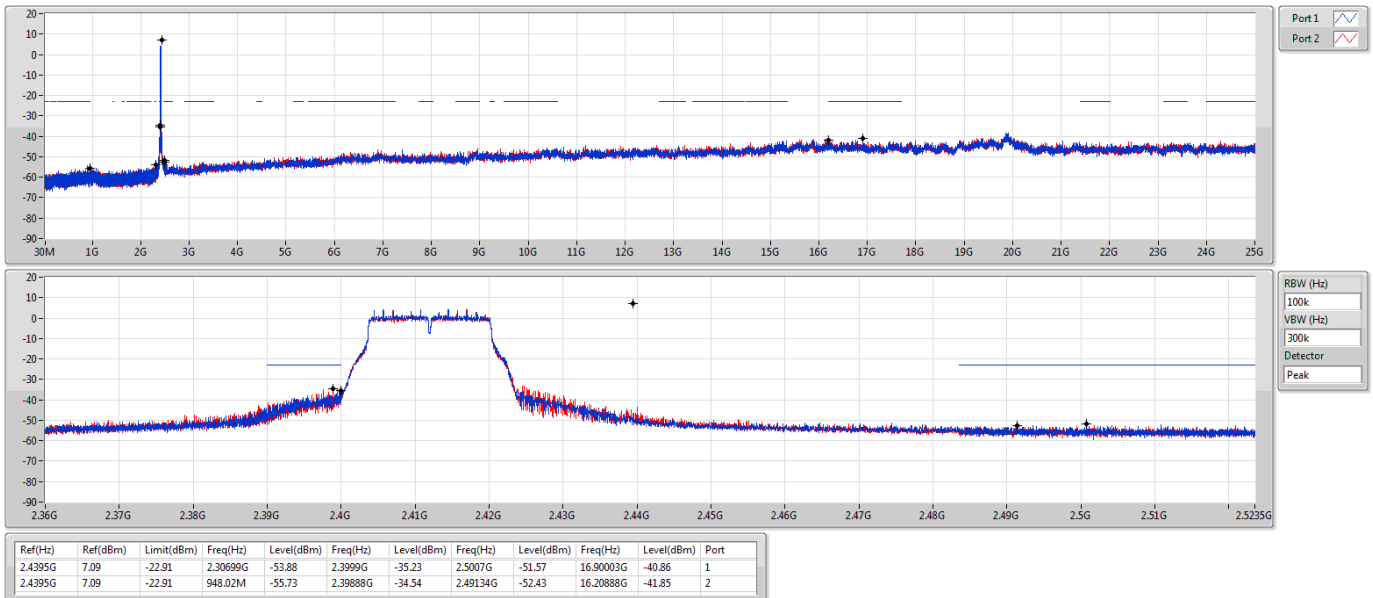
2462MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

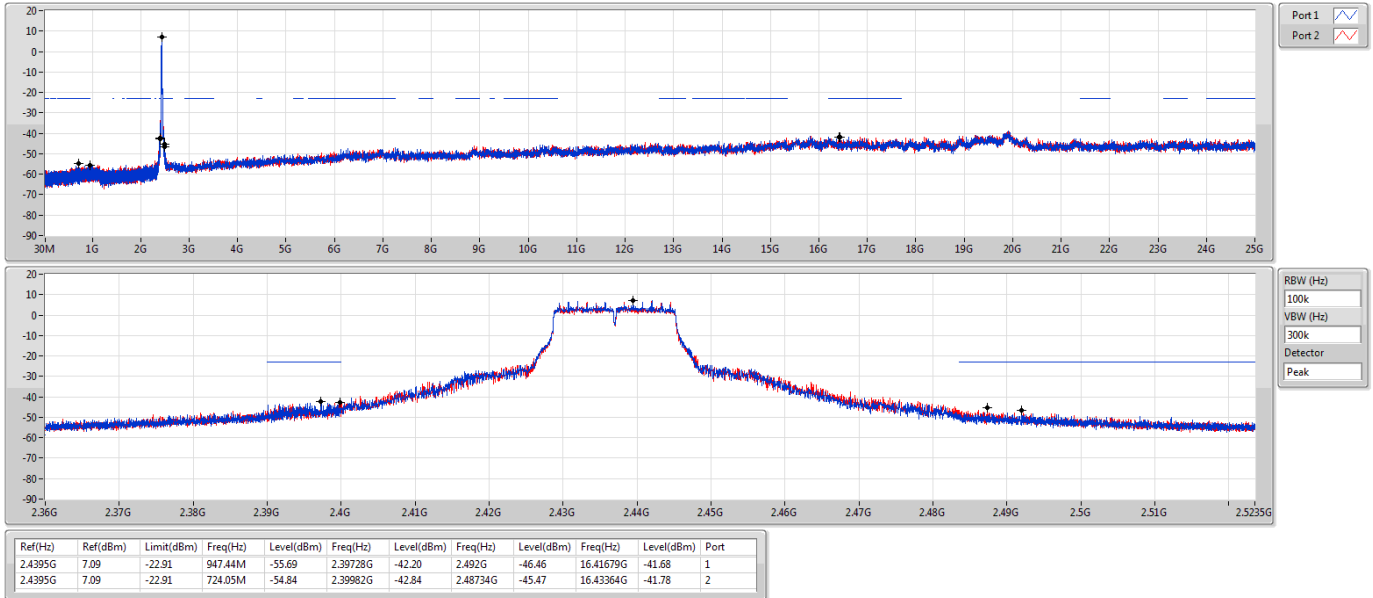
2412MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

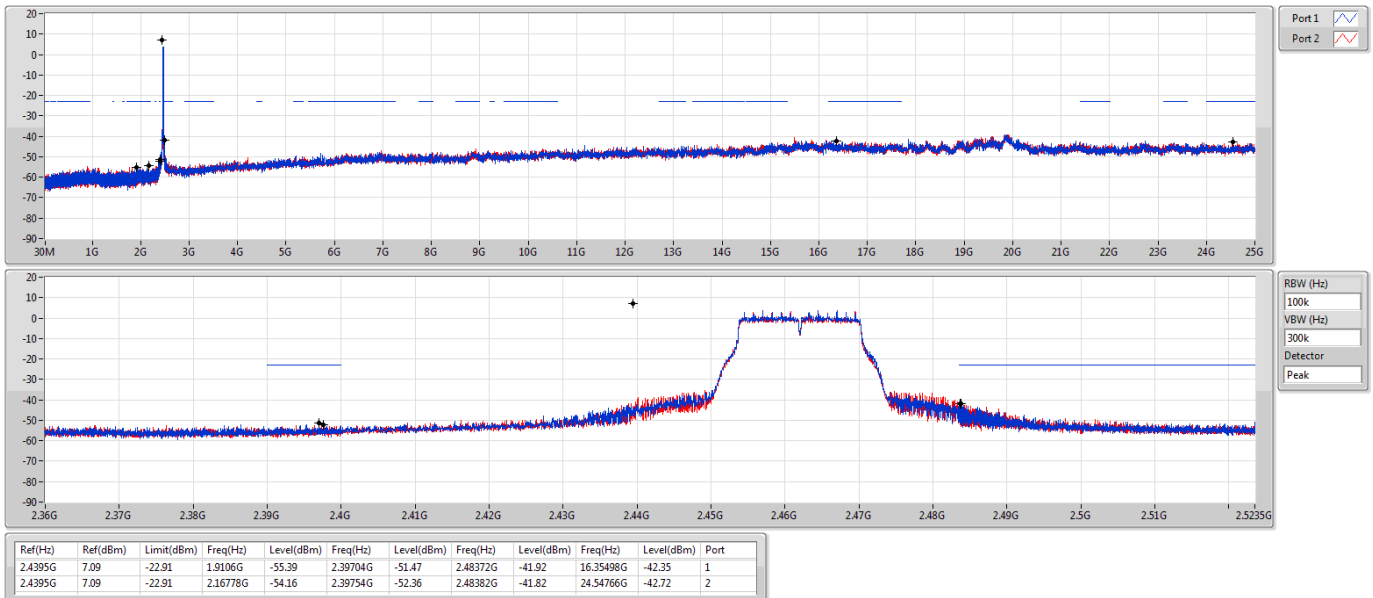
2437MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

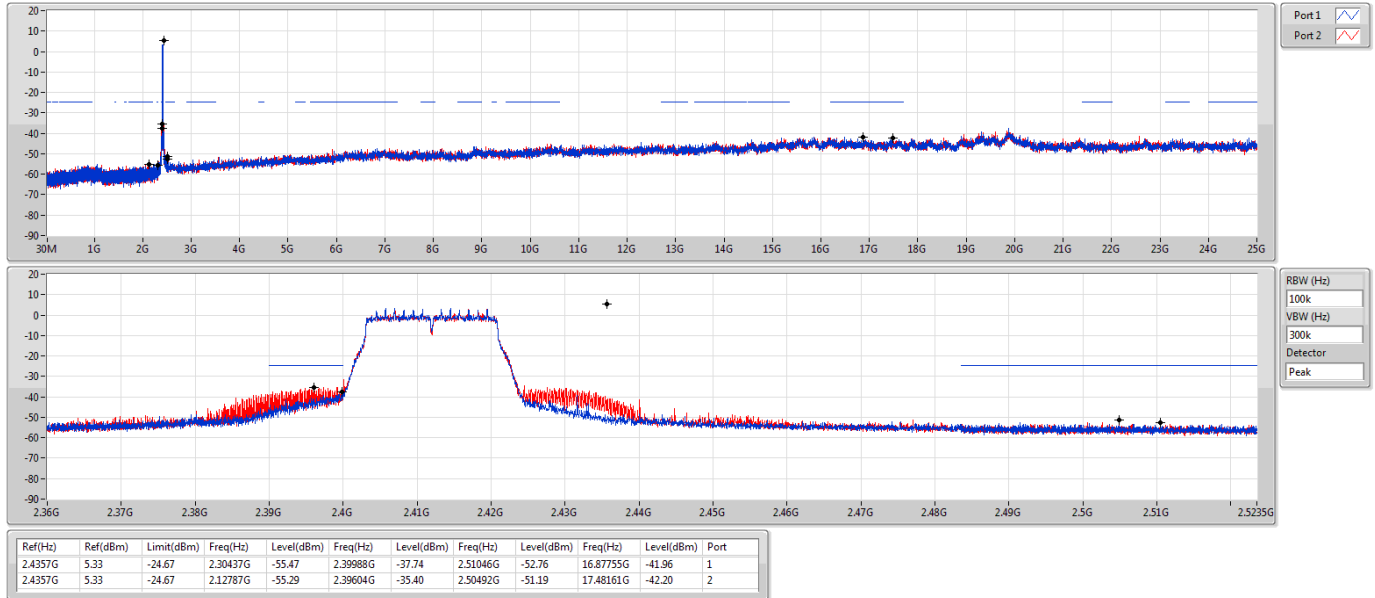
2462MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

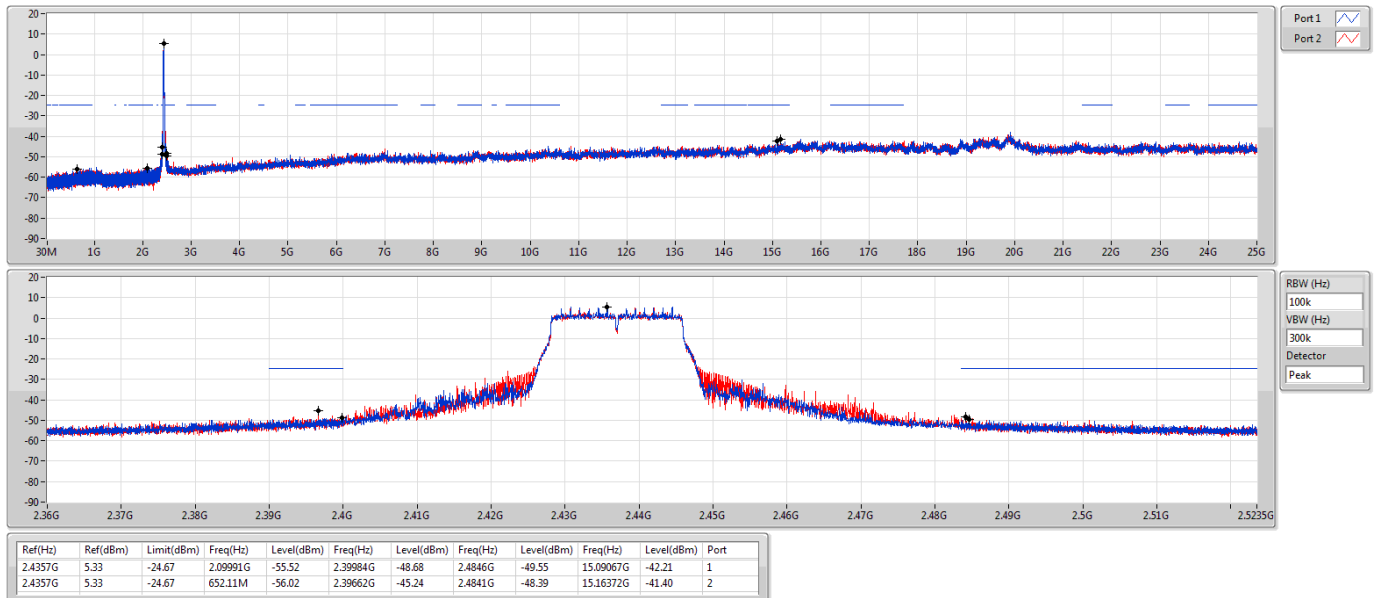
2412MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

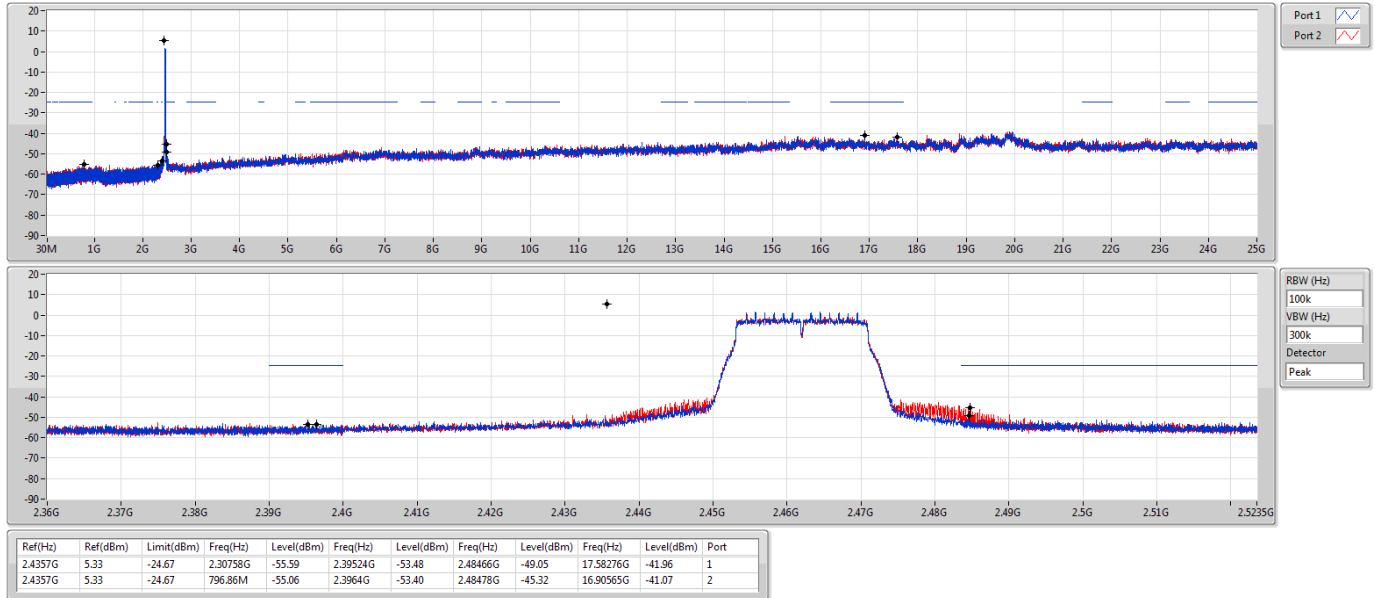
2437MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

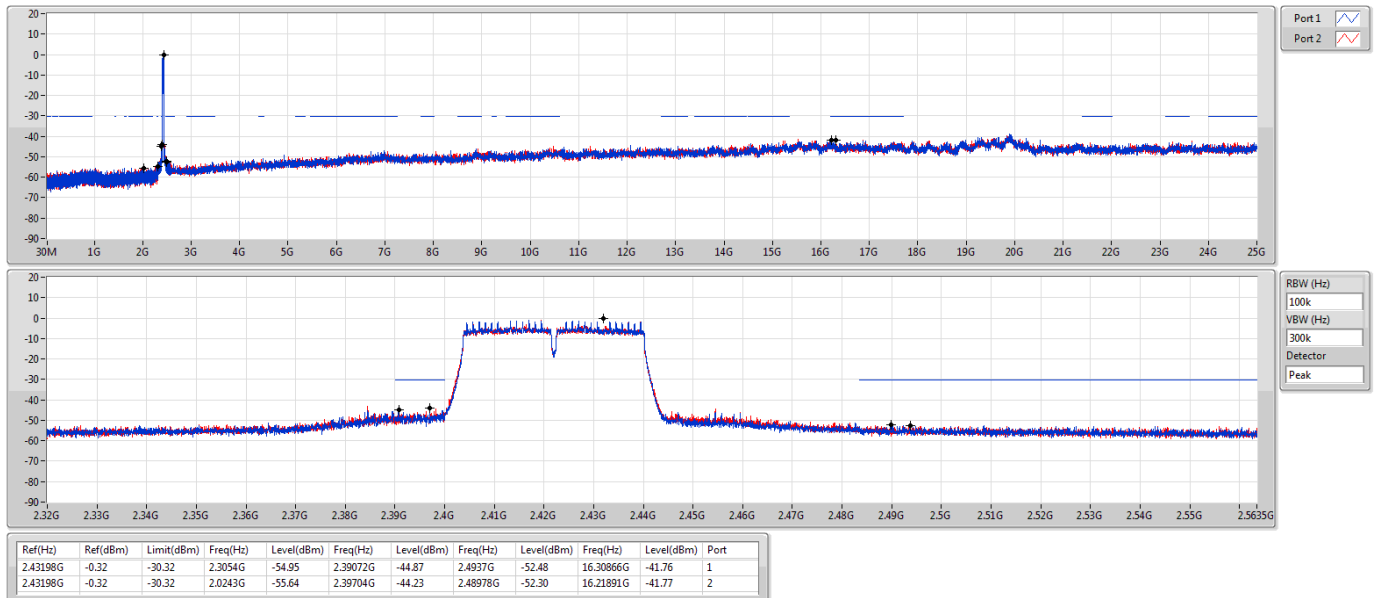
2462MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

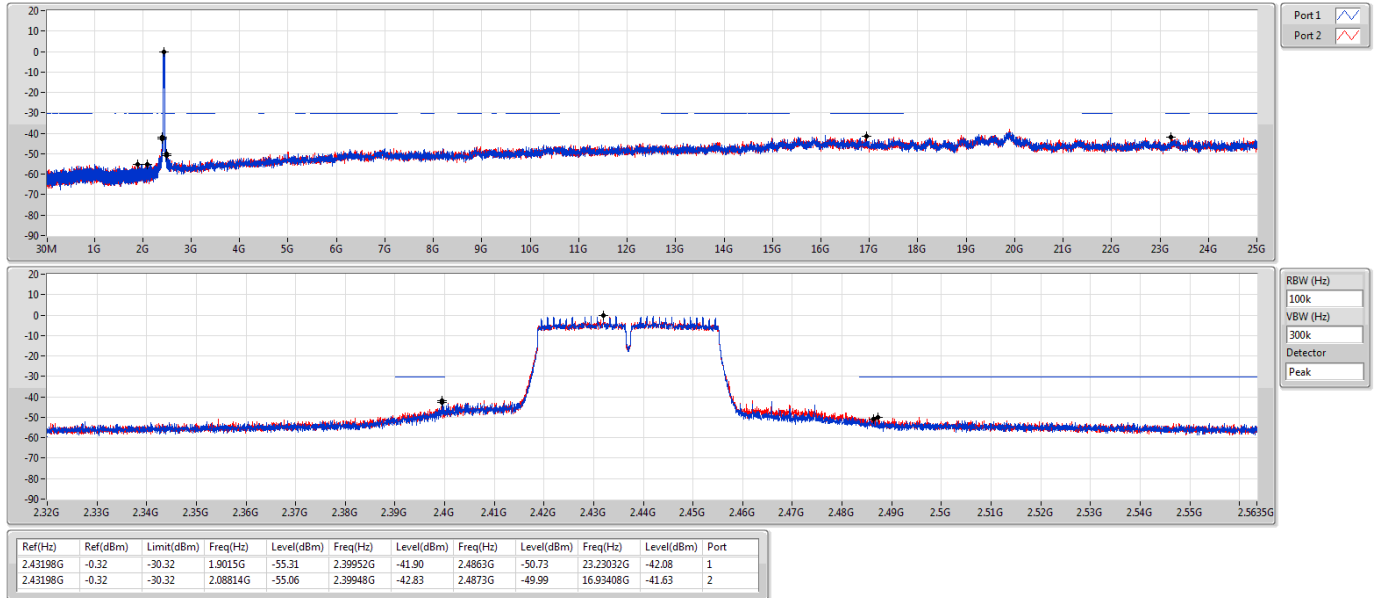
2422MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

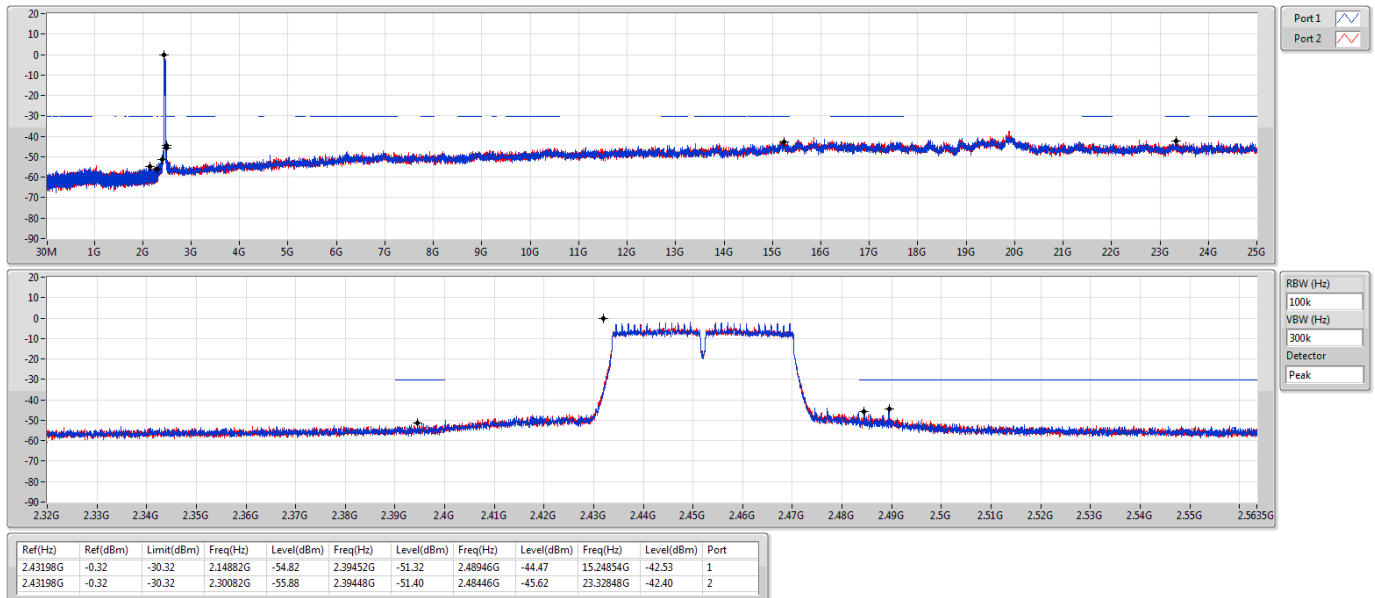
2437MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

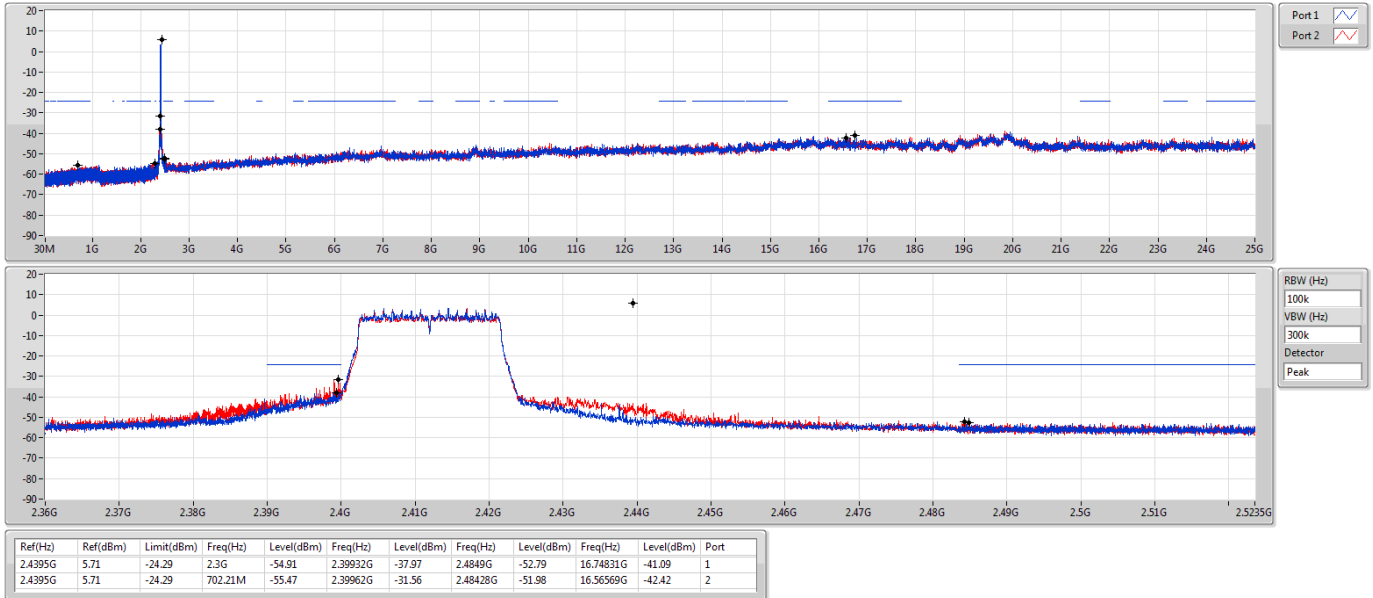
2452MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

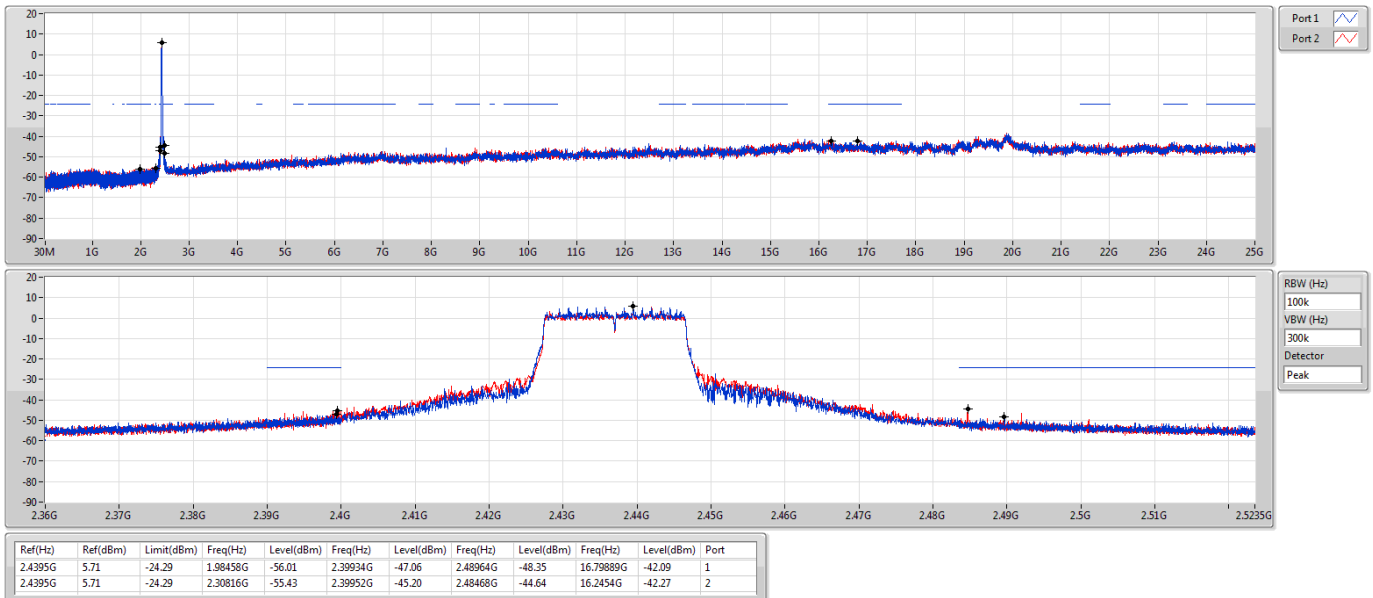
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

2437MHz



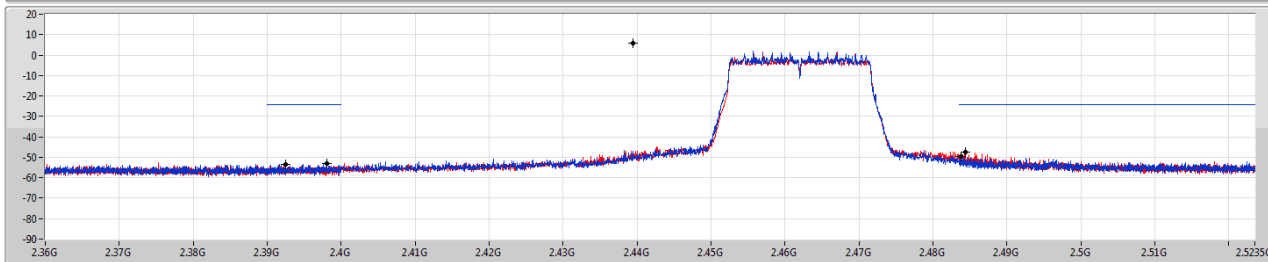
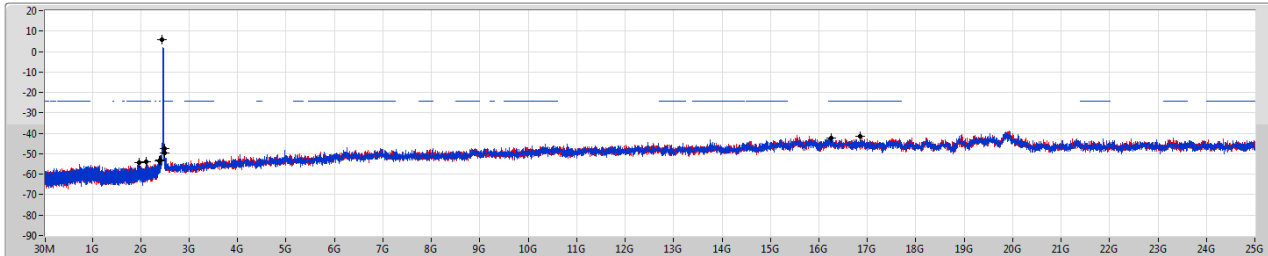
802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE NdB

04/09/2019

Port 1 
Port 2 



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
2.4395G	5.71	-24.29	1.96973G	-54.55	2.39244G	-53.41	2.48382G	-49.57	16.84665G	-41.53	1
2.4395G	5.71	-24.29	2.12118G	-54.07	2.398G	-52.97	2.48432G	-47.64	16.24821G	-42.15	2

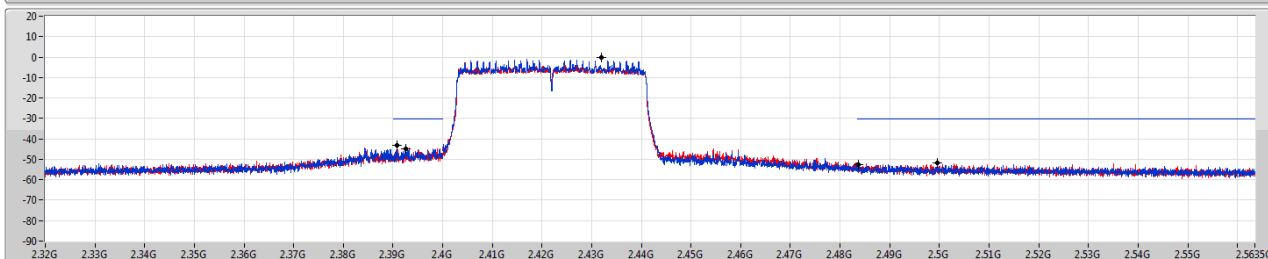
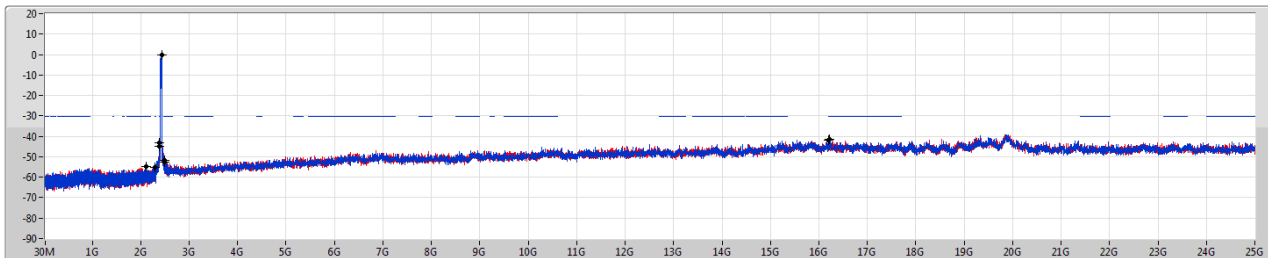
802.11ax HEW40_Nss2,(MCS0)_2TX

2422MHz

CSE NdB

04/09/2019

Port 1 
Port 2 



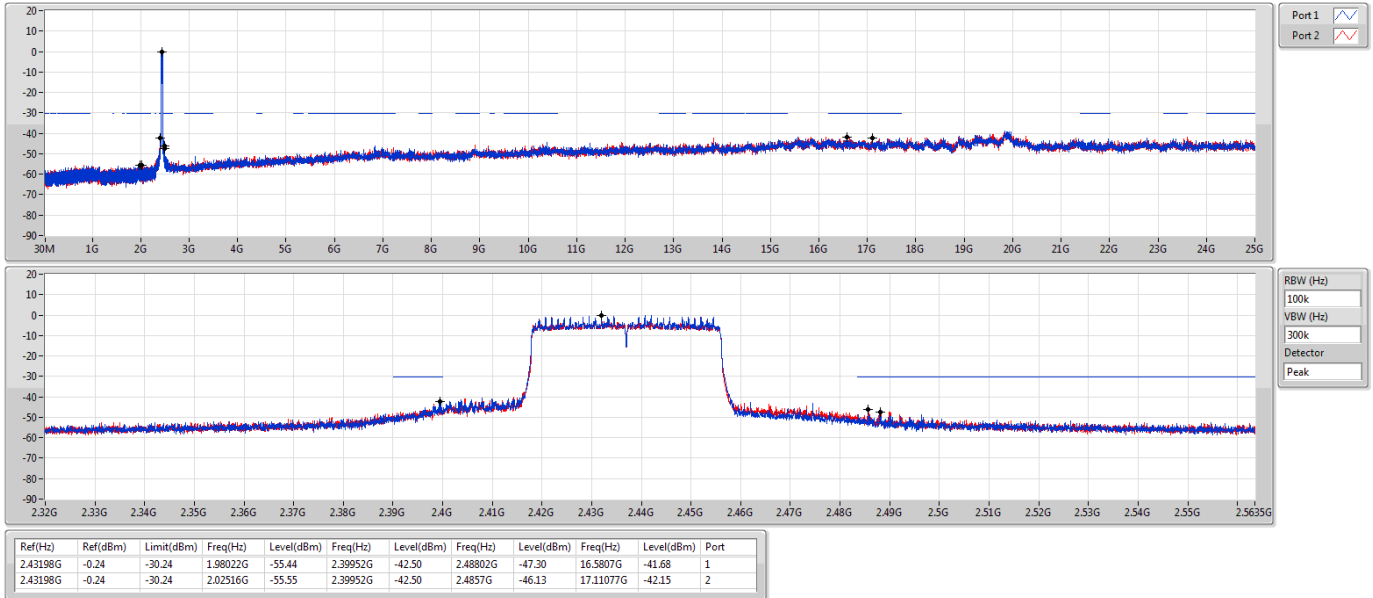
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	-0.24	-30.24	2.30025G	-55.05	2.39252G	-45.05	2.48374G	-52.60	16.20209G	-41.83	1
2.43198G	-0.24	-30.24	2.11132G	-54.87	2.39072G	-43.37	2.4995G	-51.80	16.22452G	-41.45	2

802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

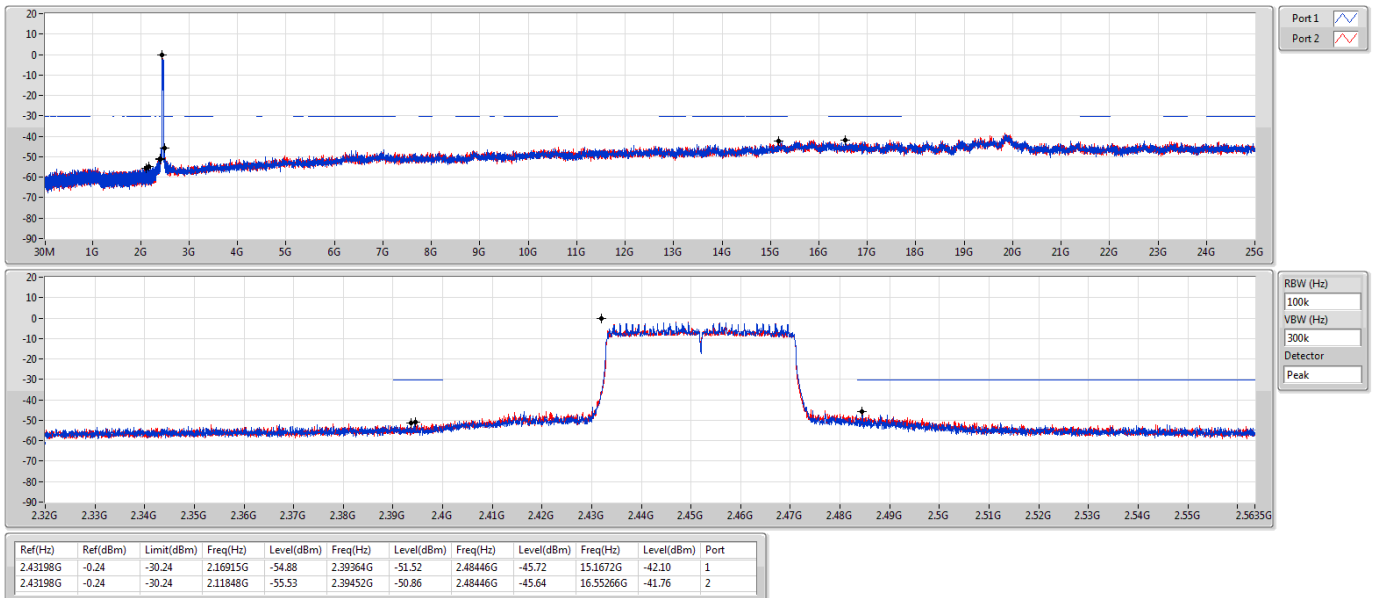
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 1_Omni_1T1S**

Appendix E.5

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	2.43599G	19.76	-10.24	2.30233G	-50.56	2.39998G	-26.31	2.50926G	-47.43	23.49126G	-37.57	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43824G	13.31	-16.69	2.15816G	-52.72	2.39918G	-30.57	2.49848G	-48.91	24.23299G	-37.21	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43073G	13.63	-16.37	2.30379G	-51.89	2.39914G	-34.81	2.4841G	-40.16	24.11499G	-36.36	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.43198G	6.63	-23.37	2.04262G	-52.42	2.39852G	-39.96	2.4889G	-31.82	24.92989G	-36.22	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4395G	13.69	-16.31	2.30991G	-53.77	2.39986G	-31.69	2.50402G	-49.25	24.75276G	-36.94	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43449G	6.55	-23.45	2.30139G	-52.24	2.39864G	-39.11	2.48354G	-26.50	24.44189G	-37.33	1



CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 1_Omni_1T1S

Appendix E.5

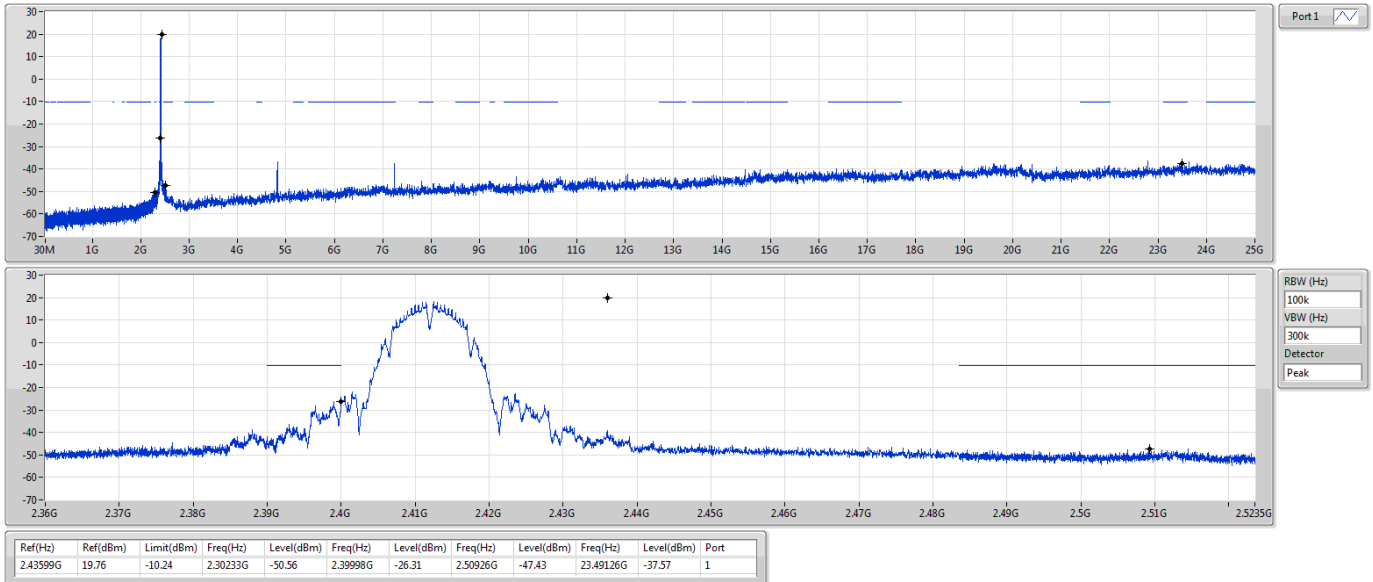
Result

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	2.43599G	19.76	-10.24	2.30233G	-50.56	2.39998G	-26.31	2.50926G	-47.43	23.49126G	-37.57	1
2437MHz	Pass	2.43599G	19.76	-10.24	2.30845G	-52.09	2.39654G	-35.65	2.48546G	-40.48	24.5308G	-36.43	1
2462MHz	Pass	2.43599G	19.76	-10.24	2.30699G	-52.27	2.39358G	-46.28	2.48598G	-40.36	24.76962G	-35.91	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	13.31	-16.69	2.15816G	-52.72	2.39918G	-30.57	2.49848G	-48.91	24.23299G	-37.21	1
2437MHz	Pass	2.43824G	13.31	-16.69	2.30146G	-51.02	2.39924G	-36.42	2.48636G	-41.20	24.82019G	-36.59	1
2462MHz	Pass	2.43824G	13.31	-16.69	2.30233G	-52.54	2.39254G	-48.95	2.48384G	-35.92	23.43226G	-37.31	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	13.63	-16.37	2.3067G	-52.48	2.39524G	-36.63	2.48508G	-49.83	24.08408G	-36.29	1
2437MHz	Pass	2.43073G	13.63	-16.37	2.30379G	-51.89	2.39914G	-34.81	2.4841G	-40.16	24.11499G	-36.36	1
2462MHz	Pass	2.43073G	13.63	-16.37	2.30845G	-53.22	2.39288G	-49.88	2.48412G	-44.54	24.56171G	-37.10	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	6.63	-23.37	2.30454G	-52.60	2.39668G	-36.10	2.48414G	-46.40	24.75039G	-37.05	1
2437MHz	Pass	2.43198G	6.63	-23.37	2.13938G	-52.18	2.3996G	-33.14	2.48454G	-36.68	24.97195G	-36.55	1
2452MHz	Pass	2.43198G	6.63	-23.37	2.04262G	-52.42	2.39852G	-39.96	2.4889G	-31.82	24.92989G	-36.22	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	13.69	-16.31	2.30991G	-53.77	2.39986G	-31.69	2.50402G	-49.25	24.75276G	-36.94	1
2437MHz	Pass	2.4395G	13.69	-16.31	2.30583G	-50.39	2.39804G	-34.17	2.48428G	-38.05	23.39293G	-37.28	1
2462MHz	Pass	2.4395G	13.69	-16.31	1.95167G	-53.42	2.3979G	-49.36	2.48356G	-37.33	23.39855G	-37.08	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	6.55	-23.45	2.30025G	-51.62	2.3998G	-29.89	2.48562G	-46.75	23.39299G	-36.20	1
2437MHz	Pass	2.43449G	6.55	-23.45	2.30712G	-50.63	2.39896G	-30.20	2.48358G	-33.72	23.36774G	-37.05	1
2452MHz	Pass	2.43449G	6.55	-23.45	2.30139G	-52.24	2.39864G	-39.11	2.48354G	-26.50	24.44189G	-37.33	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2412MHz



802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2437MHz

