



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_1T1S

Appendix C.7

Summary

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



Average Power_Non-Beamforming_Sample 2_Radio 1_Panel 2_1T1S

Appendix C.7

Result

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

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



**Average Power_Non-Beamforming_Sample 2_Radio 1_
Panel 2_2T2S**

Appendix C.8

Summary

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



**Average Power Non-Beamforming Sample 2 Radio 1
Panel 2_2T2S**

Appendix C.8

Result

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

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



Summary

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

**Result**

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

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



Average Power_Beamforming_Sample 2_Radio 1_Omni_2T1S

Appendix C.10

Summary

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



Average Power_Beamforming_Sample 2_Radio 1_Omni_2T1S

Appendix C.10

Result

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

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



Average Power_Beamforming_Sample 2_Radio 1_Panel 1_ 2T1S

Appendix C.11

Summary

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



Average Power_Beamforming_Sample 2_Radio 1_Panel 1_2T1S

Appendix C.11

Result

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

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



**Average Power_Beamforming_Sample 2_Radio 1_Panel 2_
2T1S**

Appendix C.12

Summary

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

Result

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

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



Summary

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

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

Result

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

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

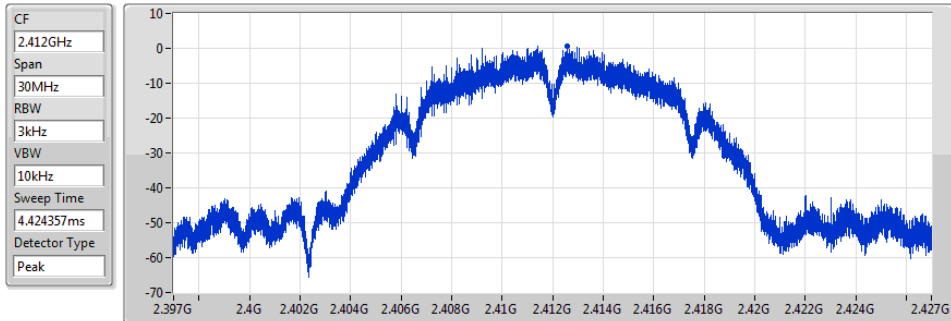
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

08/11/2019



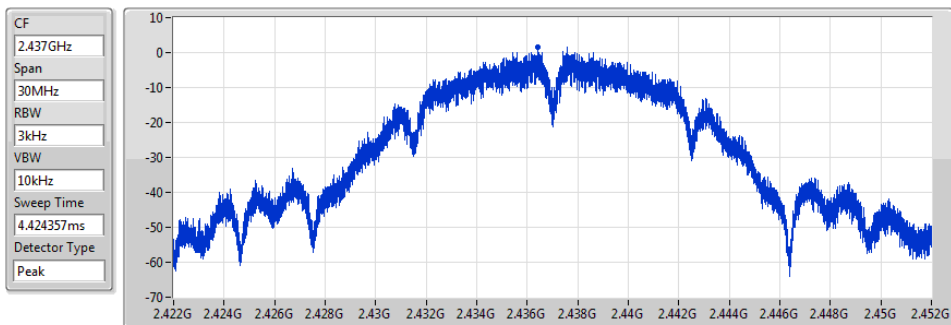
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	0.75

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

08/11/2019



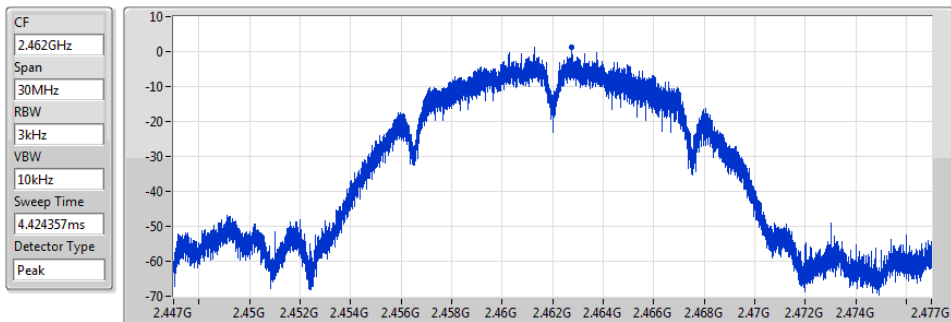
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	1.51

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

08/11/2019



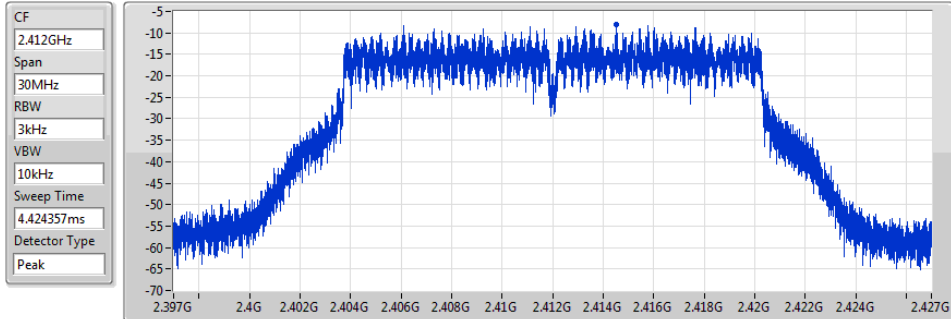
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	1.15

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

08/11/2019



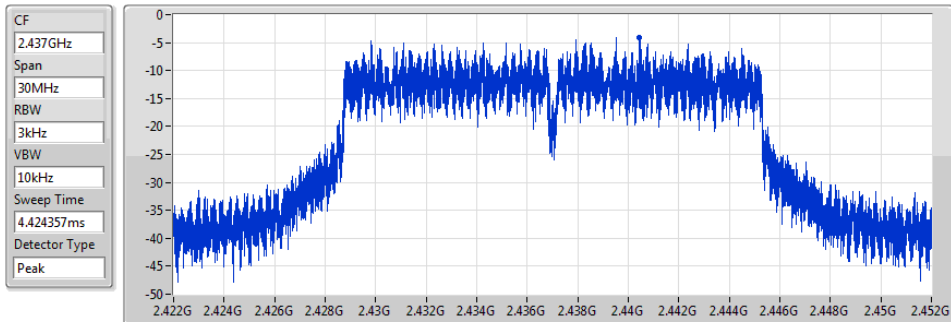
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.13	-8.13	-8.13

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

08/11/2019



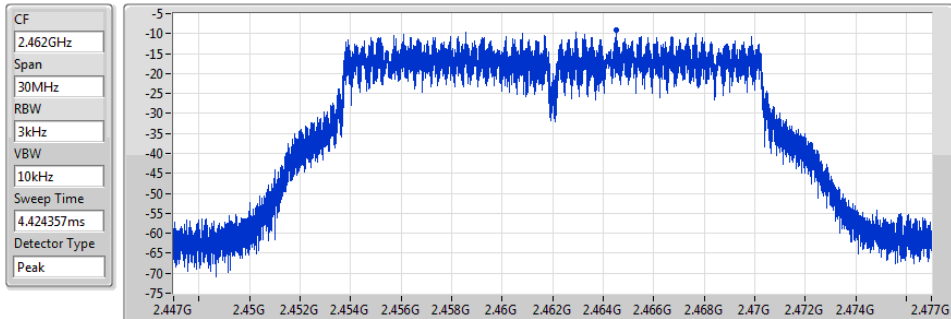
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.05	-4.05	-4.05

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

08/11/2019



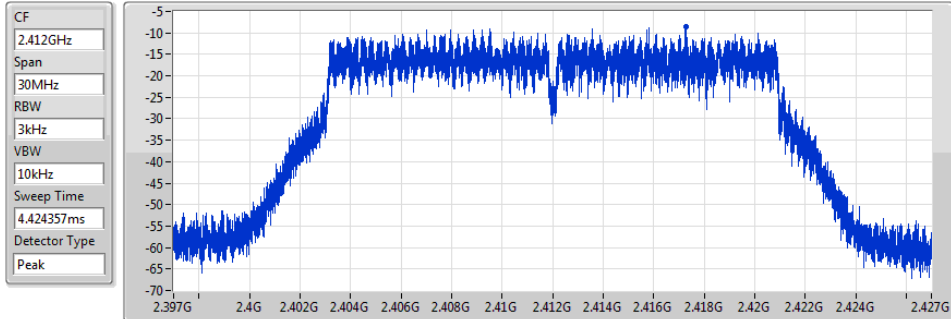
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.03	-9.03	-9.03

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

08/11/2019



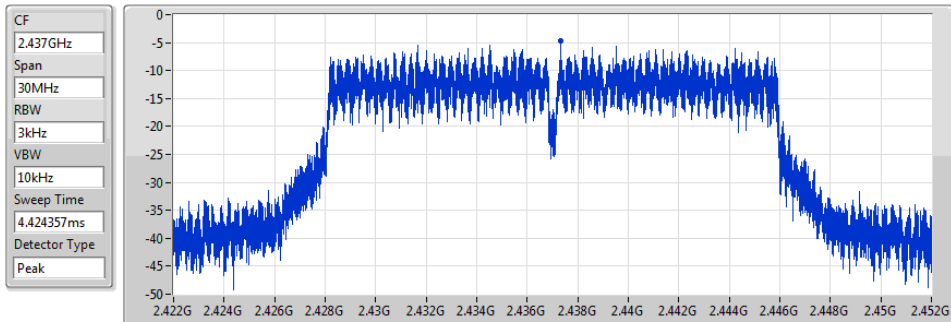
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.52	-8.52	-8.52

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



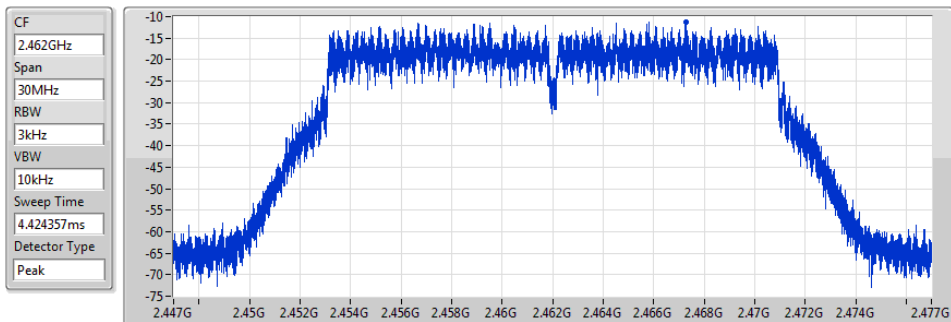
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.71	-4.71	-4.71

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

08/11/2019



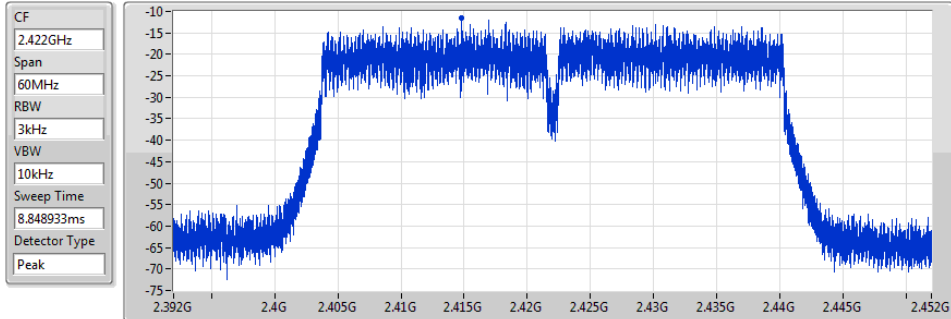
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-11.28

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

08/11/2019



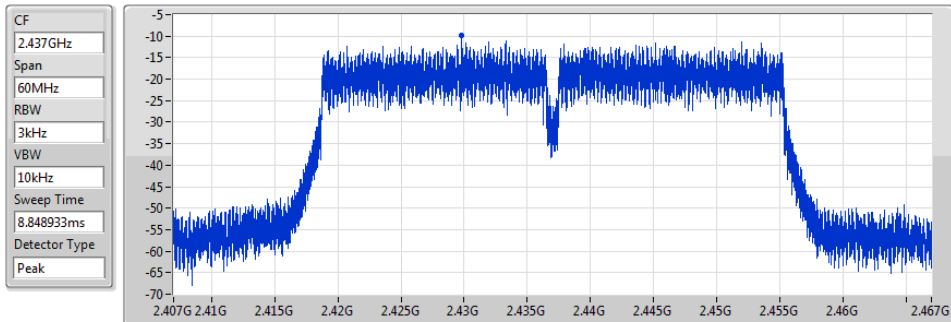
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.56	-11.56	-11.56

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



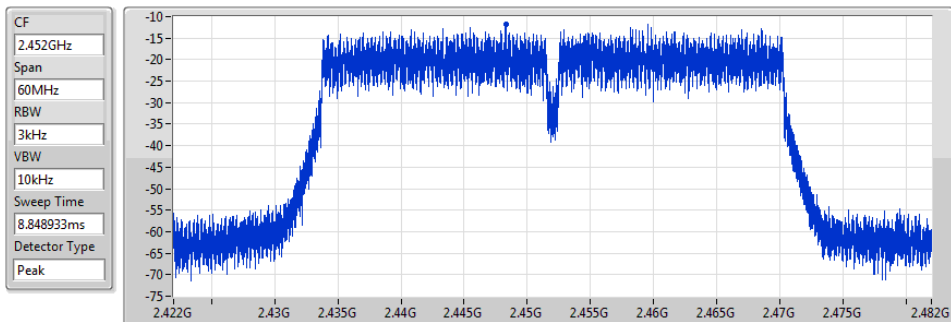
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.85	-9.85	-9.85

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

08/11/2019



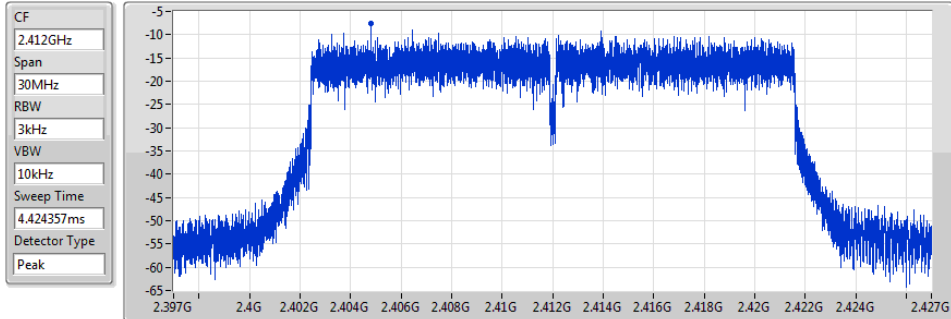
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.80	-11.80	-11.80

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

08/11/2019



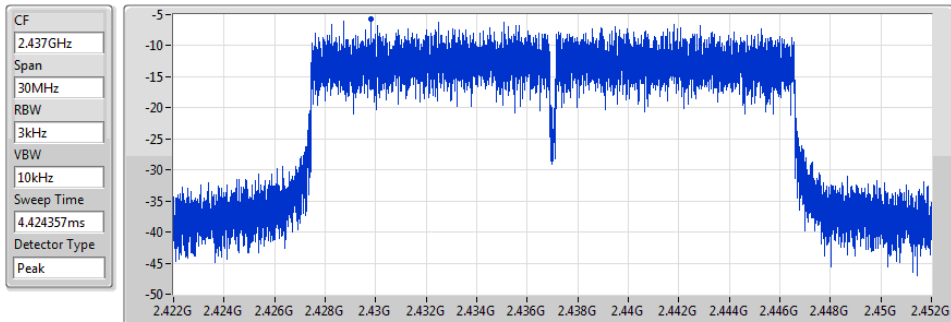
Sum	PD	Port 1
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-7.67	-7.67	-7.67

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



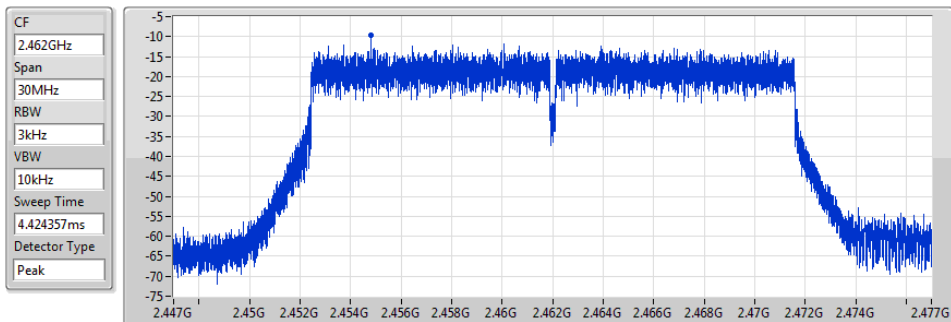
Sum	PD	Port 1
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-5.75	-5.75	-5.75

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

08/11/2019



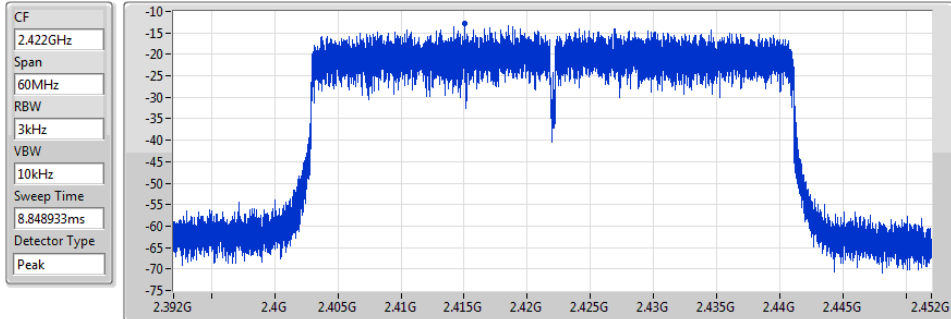
Sum	PD	Port 1
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-9.65	-9.65	-9.65

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

08/11/2019



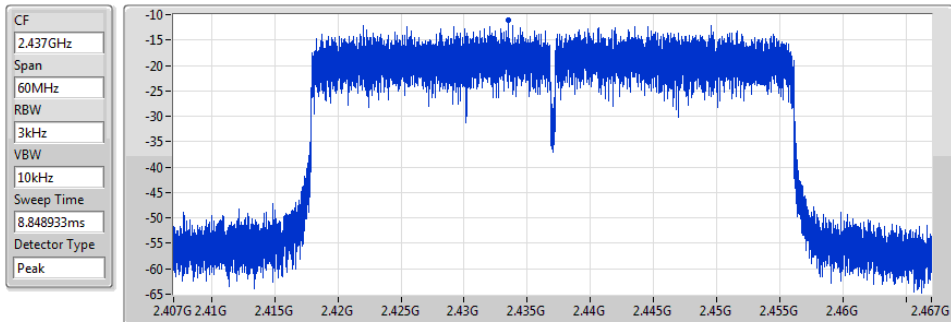
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.71	-12.71	-12.71

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

08/11/2019



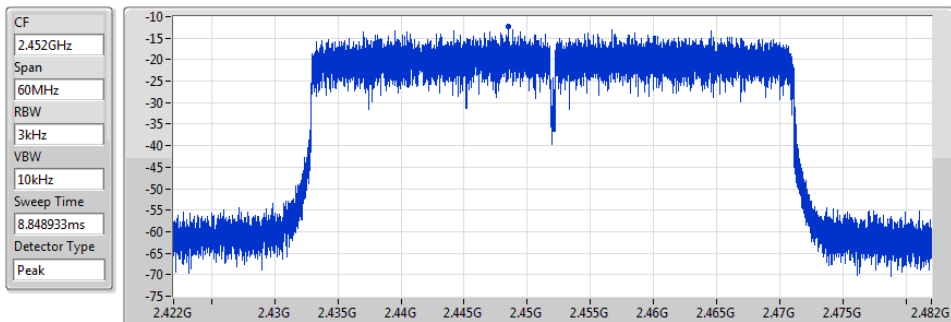
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.00	-11.00	-11.00

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

08/11/2019



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



Summary

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

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

Result

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

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

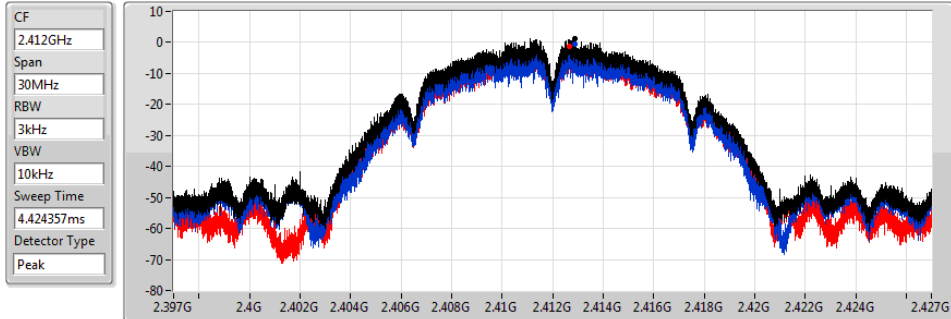
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

08/11/2019



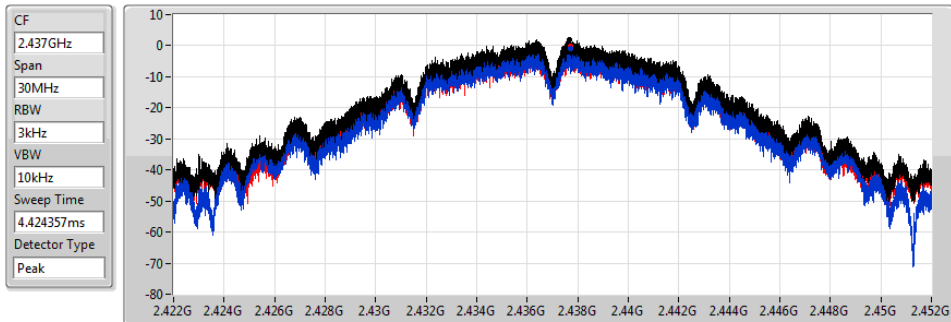
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.30	1.30	-0.71	-1.10

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

08/11/2019



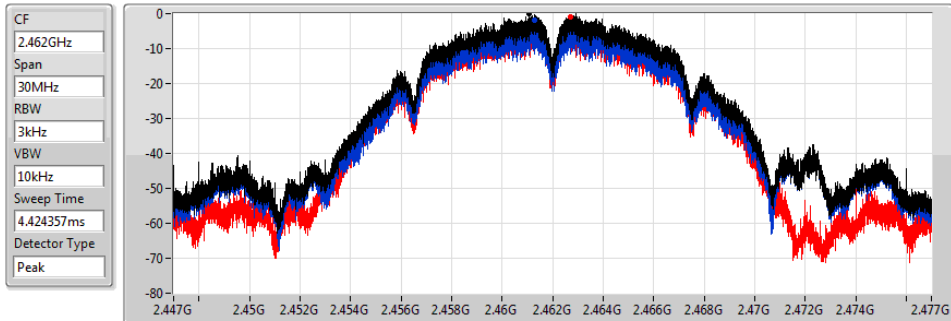
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.99	1.99	-1.07	-0.26

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

08/11/2019



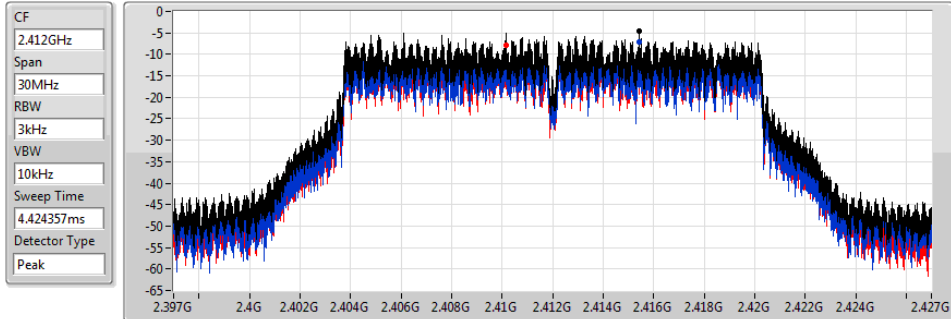
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.13	-0.13	-1.75	-0.81

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

08/11/2019



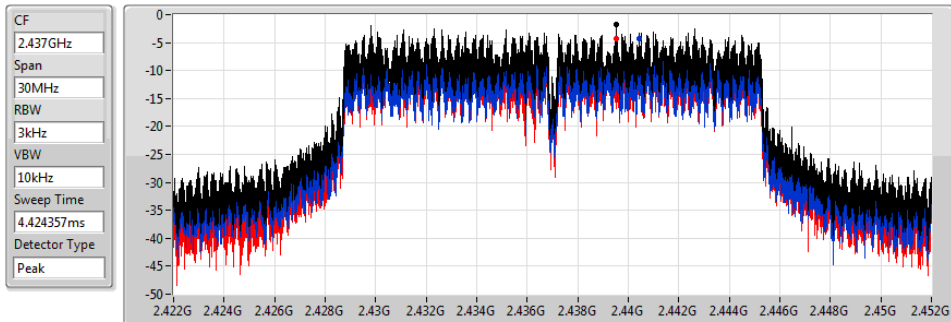
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-4.56	-4.56	-7.14	-7.76

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

08/11/2019



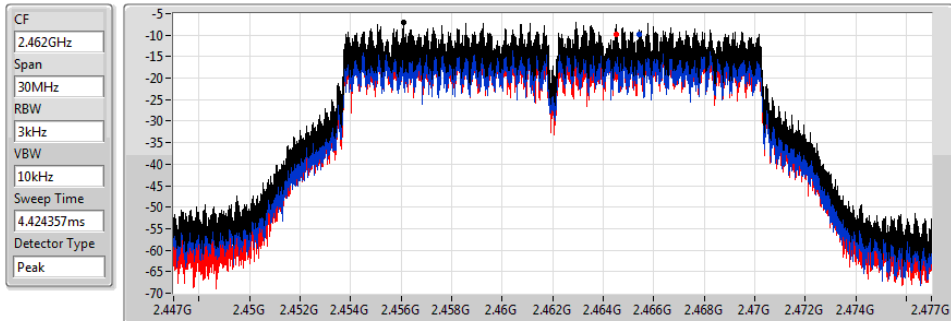
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-1.69	-1.69	-4.32	-4.37

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

08/11/2019



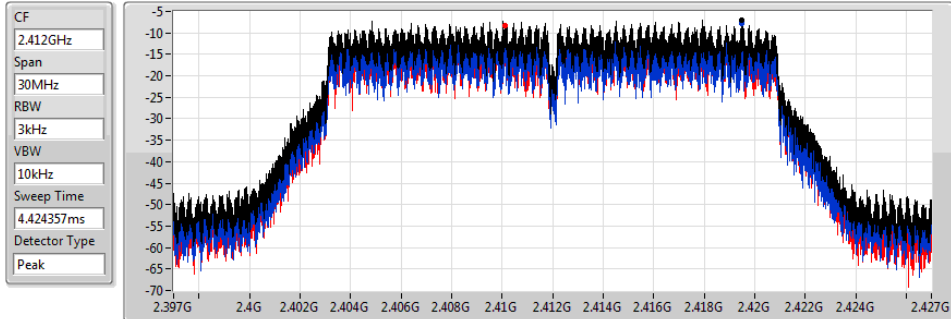
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-7.01	-7.01	-9.73	-9.74

VHT20_Nss2,(MCS0)_2TX

2412MHz

PSD

08/11/2019



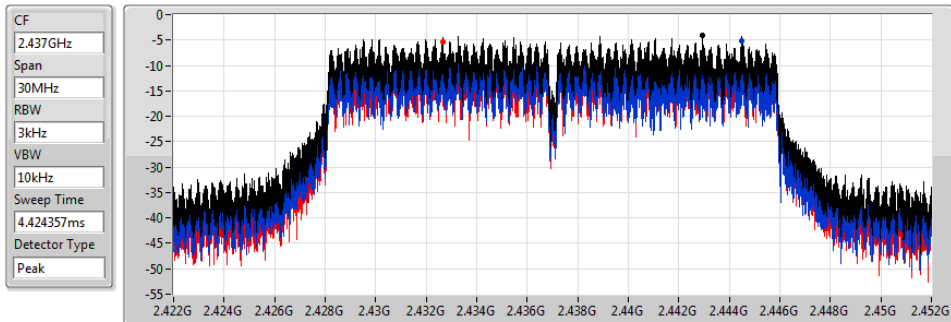
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.91	-6.91	-7.83	-8.34

VHT20_Nss2,(MCS0)_2TX

2437MHz

PSD

08/11/2019



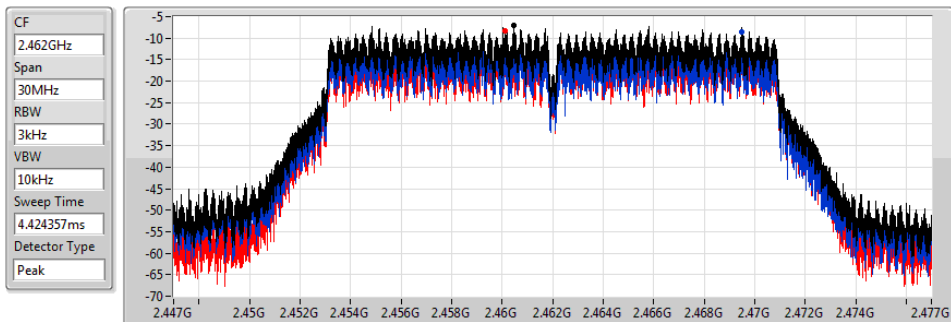
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.06	-4.06	-5.25	-5.44

VHT20_Nss2,(MCS0)_2TX

2462MHz

PSD

08/11/2019



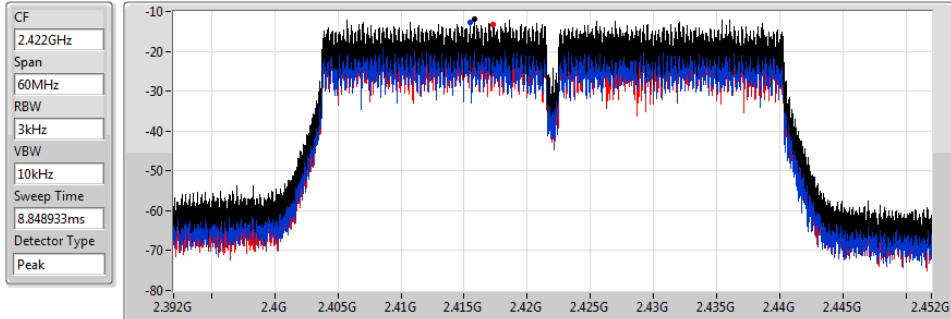
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.08	-7.08	-8.50	-8.26

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

08/11/2019



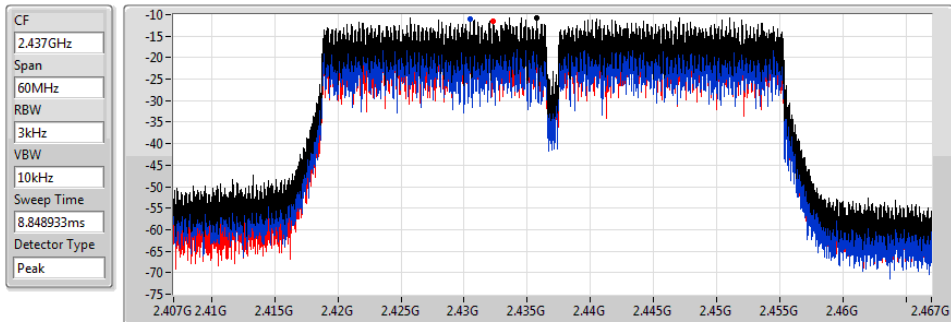
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.98	-11.98	-12.86	-13.18

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

08/11/2019



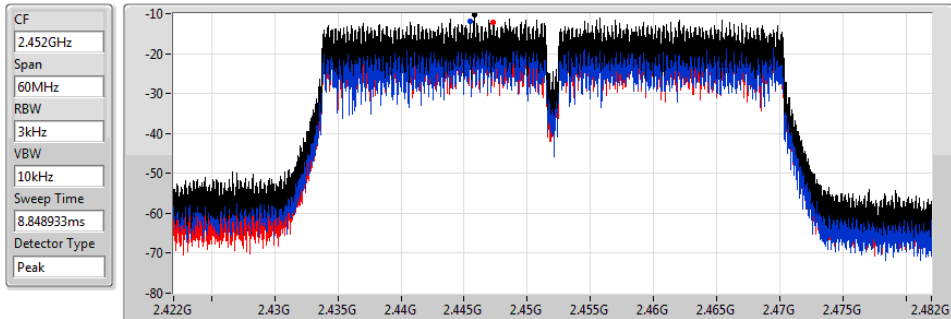
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.67	-10.67	-11.11	-11.41

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

08/11/2019



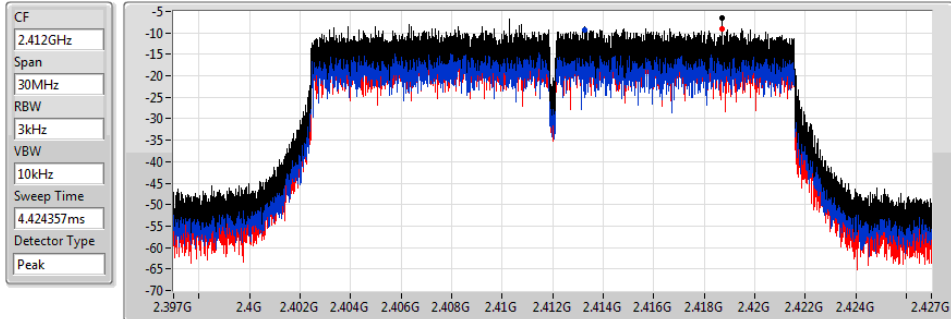
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.40	-10.40	-11.85	-12.21

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

08/11/2019



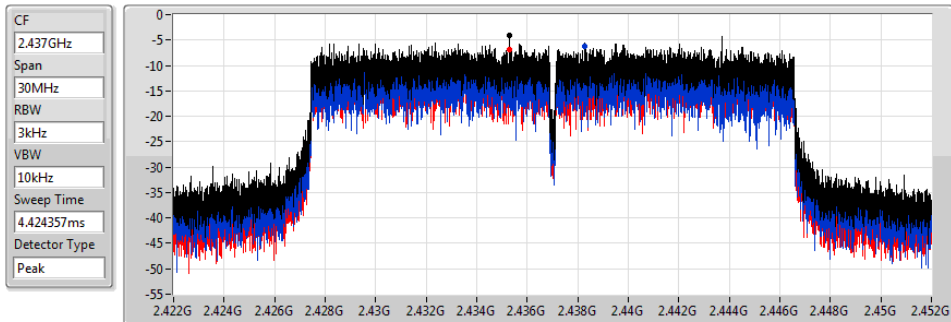
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.65	-6.65	-9.24	-9.17

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

08/11/2019



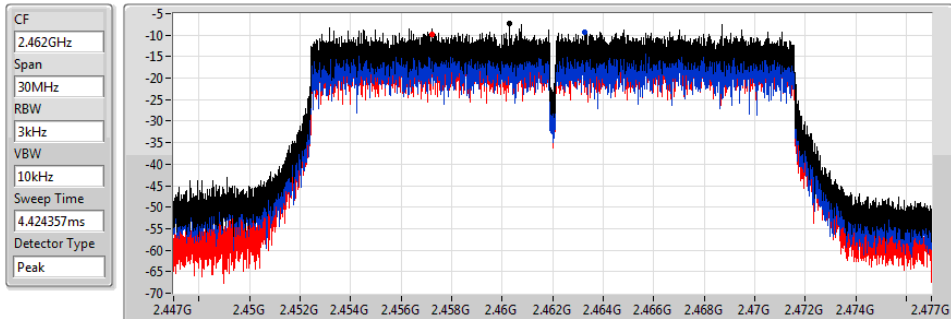
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.14	-4.14	-6.15	-6.77

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

08/11/2019



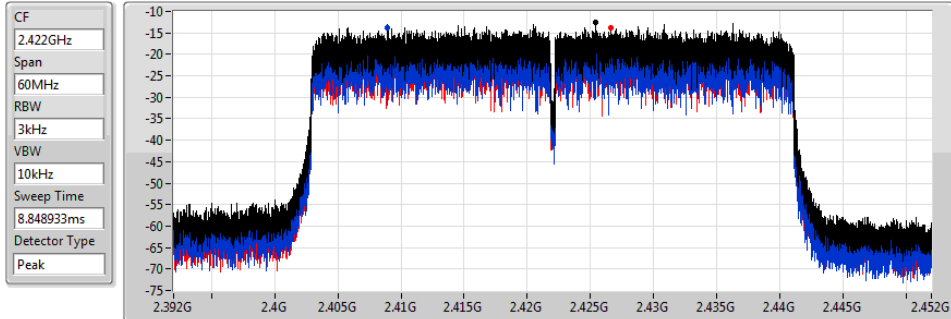
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.33	-7.33	-9.29	-9.85

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

08/11/2019



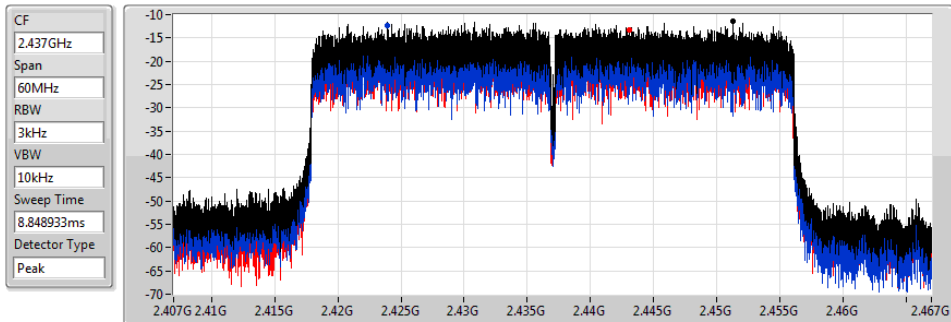
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.63	-12.63	-13.88	-13.77

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

08/11/2019



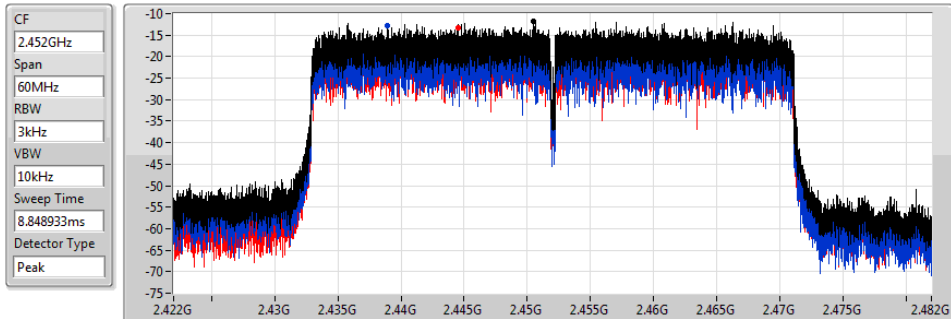
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.32	-11.32	-12.38	-13.22

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

08/11/2019



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



Summary

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

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

Result

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

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

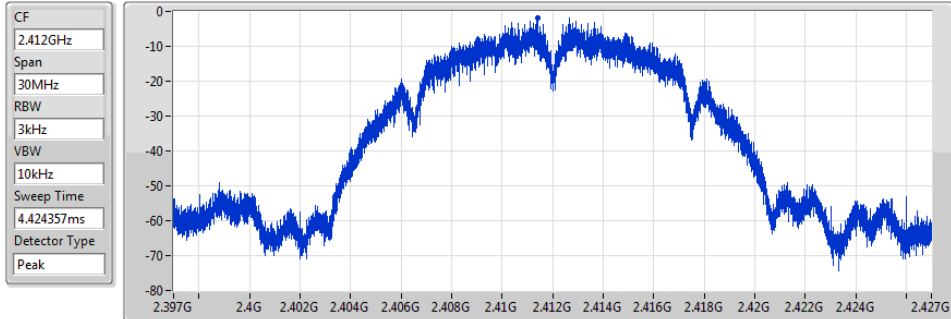
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

11/11/2019



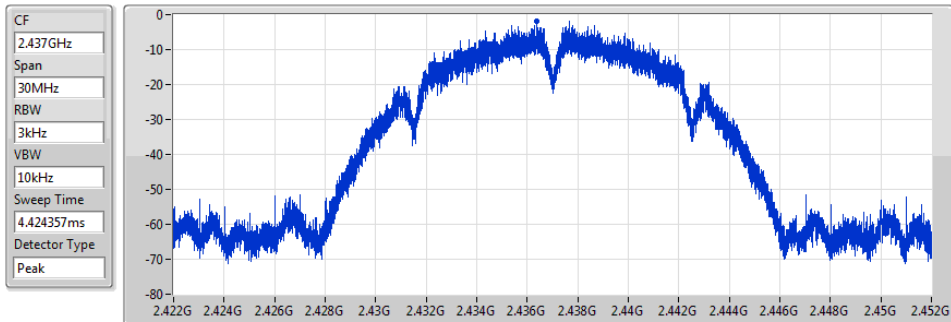
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.77	-1.77	-1.77

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

11/11/2019



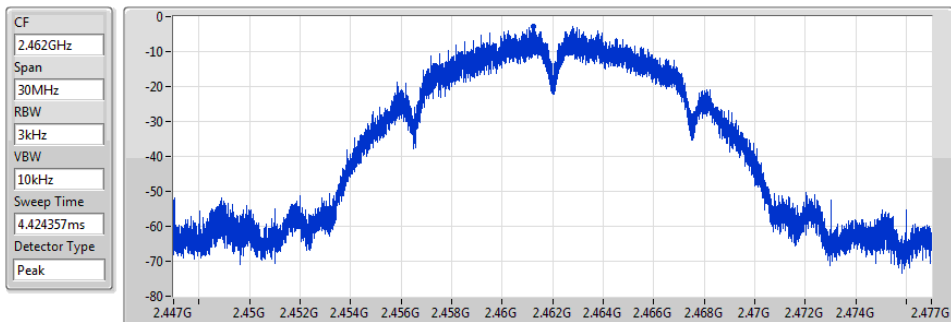
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.82	-1.82	-1.82

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

11/11/2019



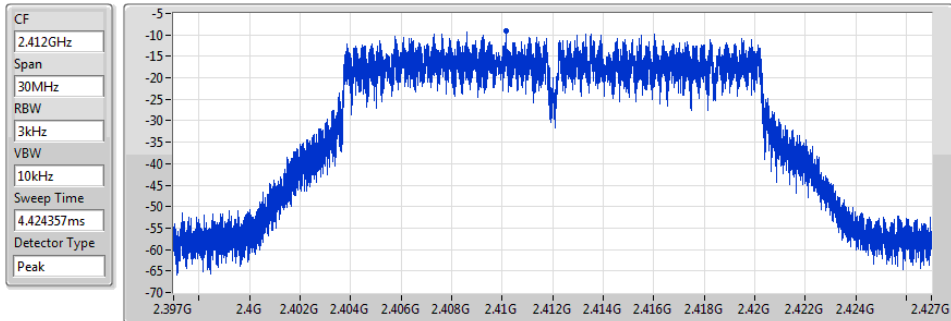
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.66	-2.66	-2.66

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

11/11/2019



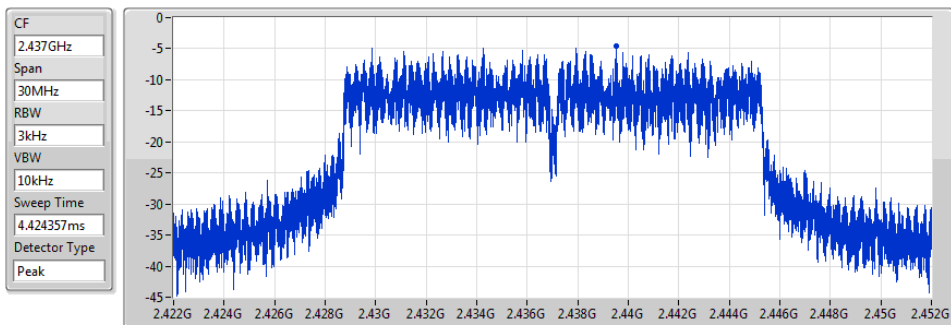
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.17	-9.17	-9.17

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

11/11/2019



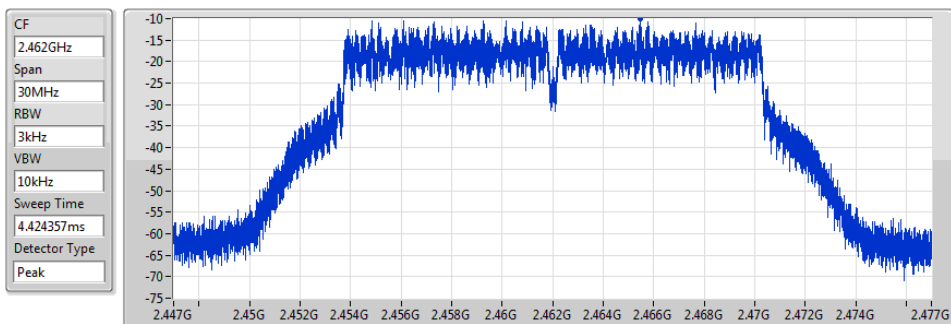
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.53	-4.53	-4.53

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

11/11/2019



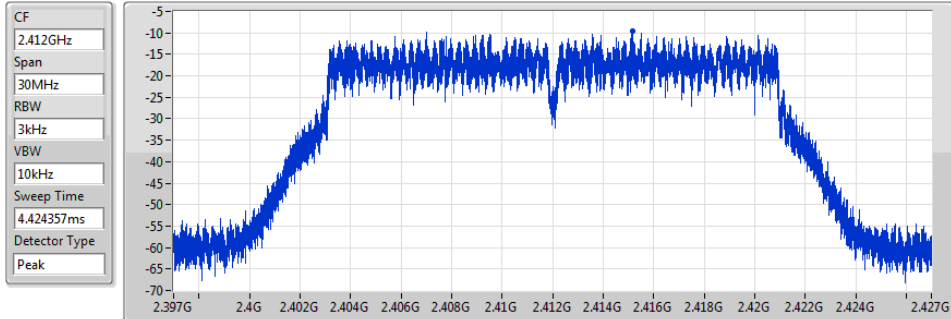
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.05	-10.05	-10.05

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



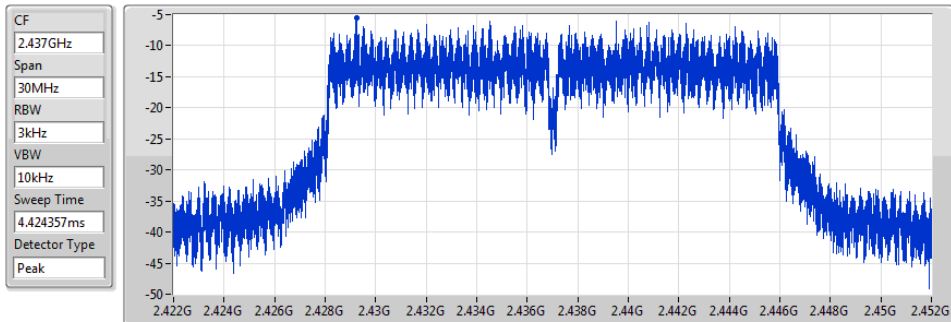
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.48	-9.48	-9.48

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



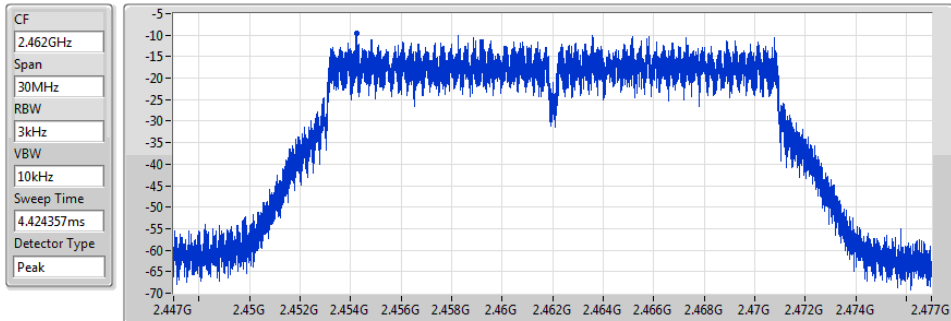
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.45	-5.45	-5.45

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



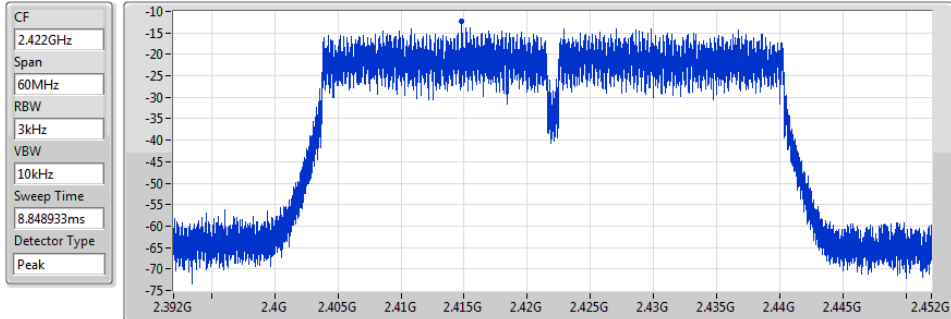
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.56	-9.56	-9.56

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



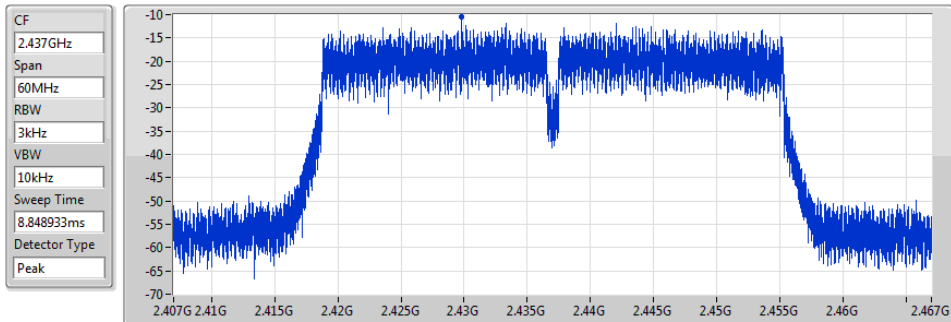
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.28	-12.28	-12.28

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



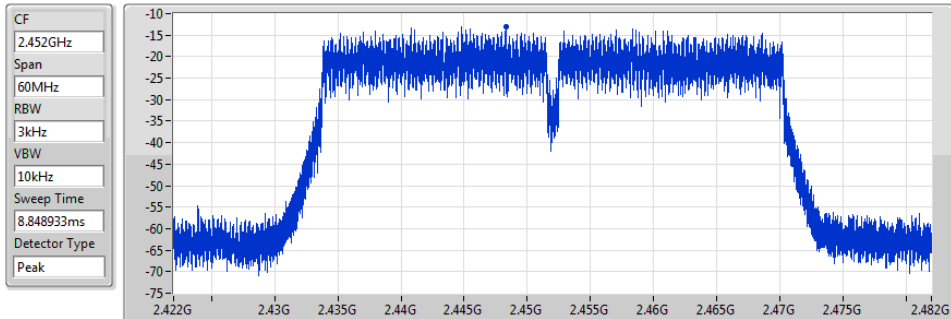
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.50	-10.50	-10.50

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



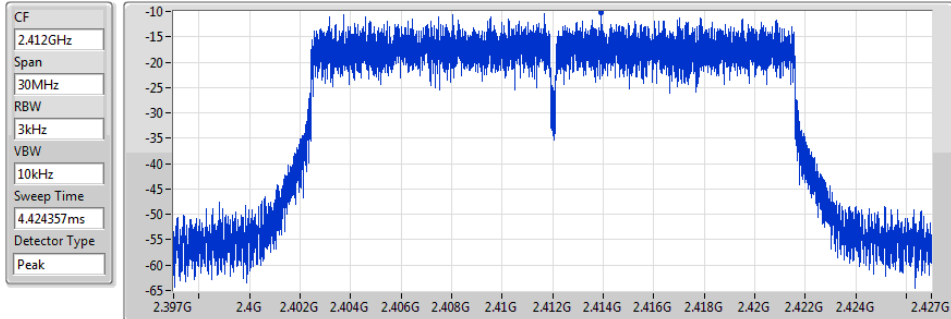
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.09	-13.09	-13.09

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



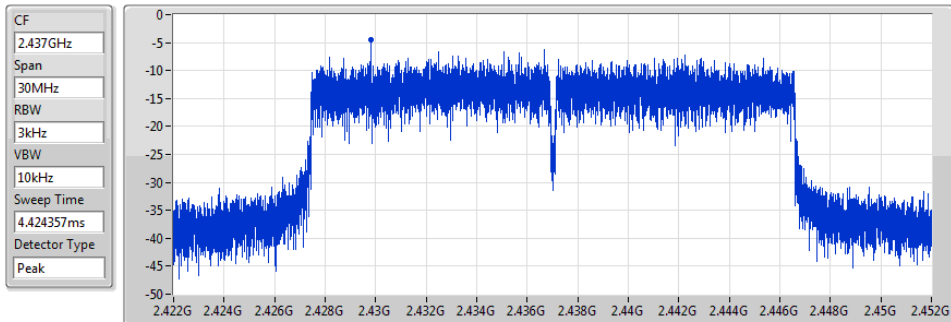
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.24	-10.24	-10.24

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



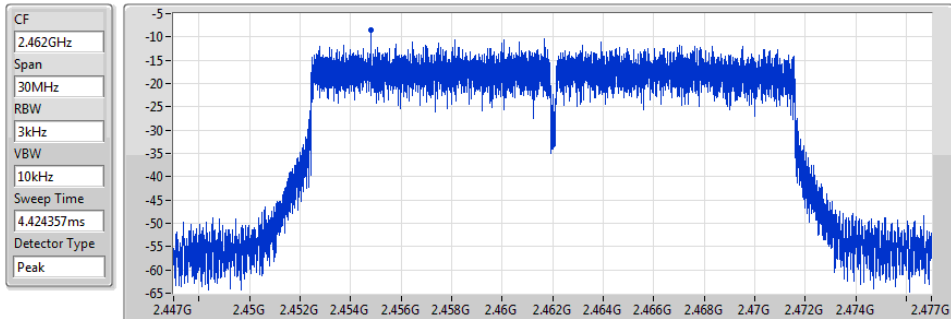
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.49	-4.49	-4.49

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



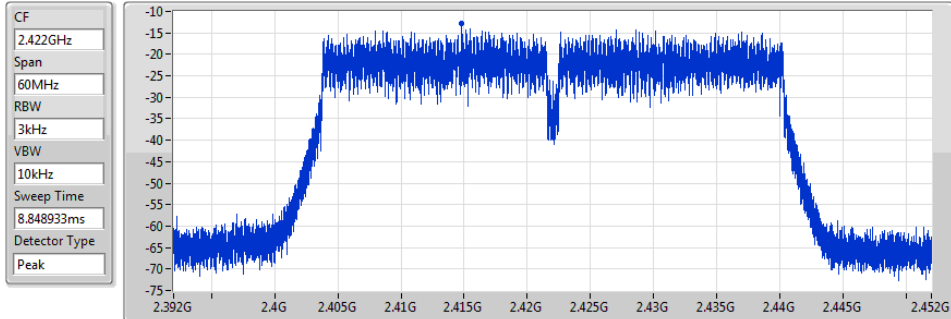
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.55	-8.55	-8.55

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



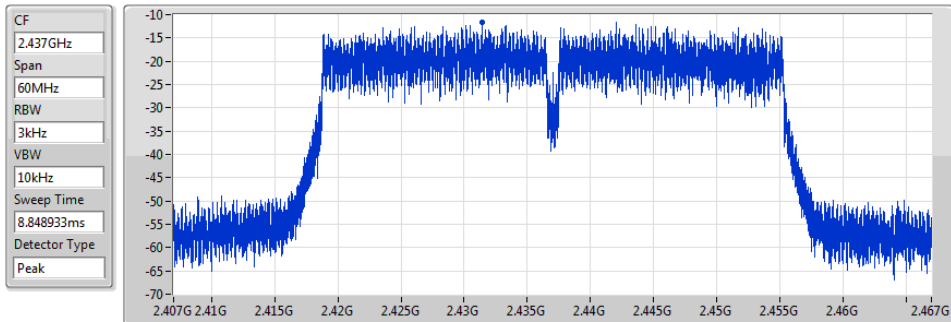
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.76	-12.76	-12.76

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



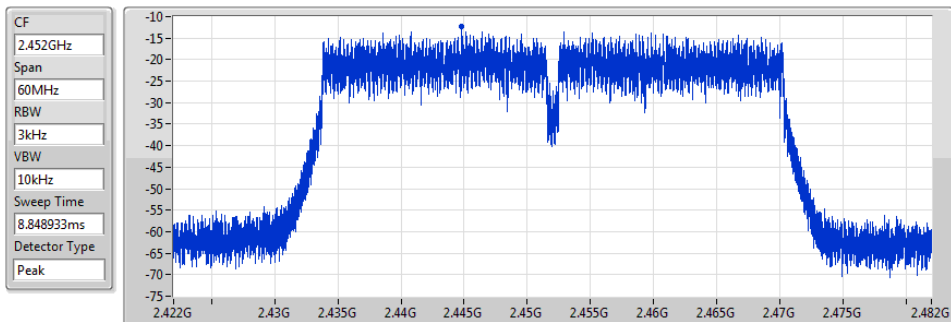
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.55	-11.55	-11.55

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



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



Summary

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

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

Result

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

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

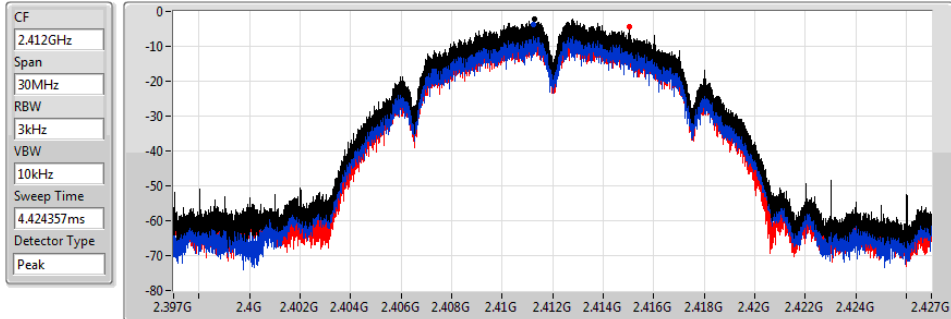
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

2412MHz

PSD

11/11/2019



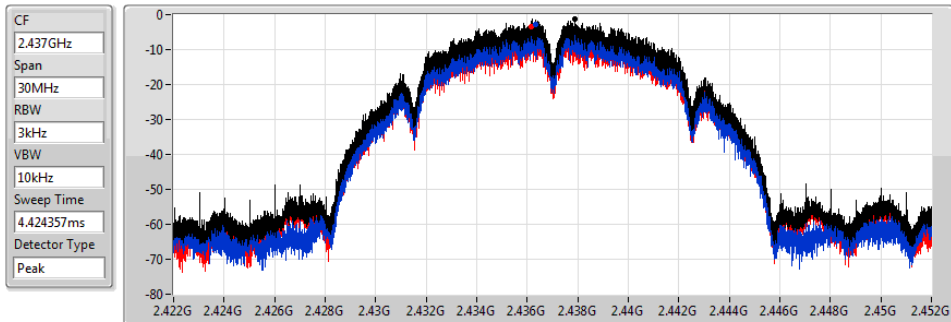
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.13	-2.13	-3.79	-4.36

802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

11/11/2019



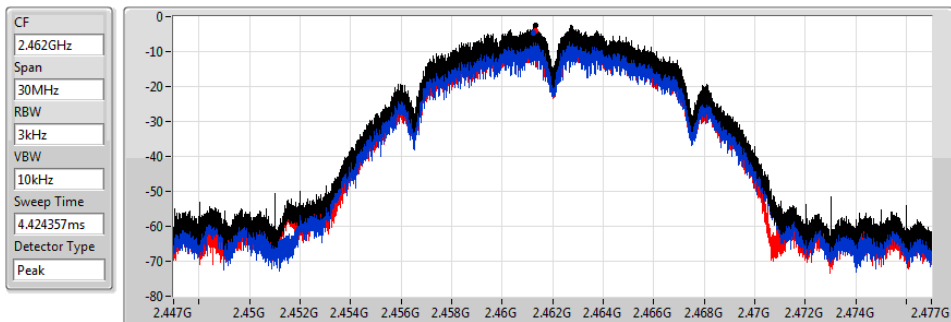
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.25	-1.25	-2.84	-3.47

802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

11/11/2019



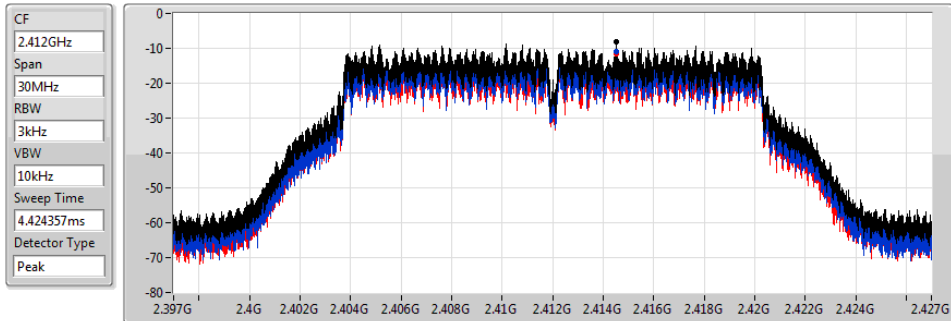
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.54	-2.54	-4.74	-3.91

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

11/11/2019



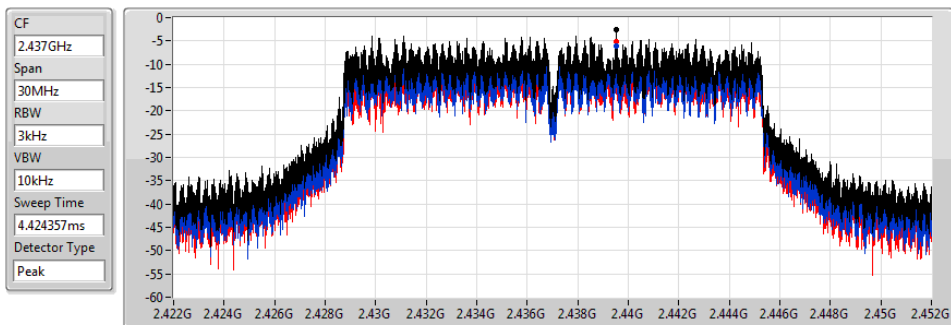
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.22	-8.22	-10.90	-11.58

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

11/11/2019



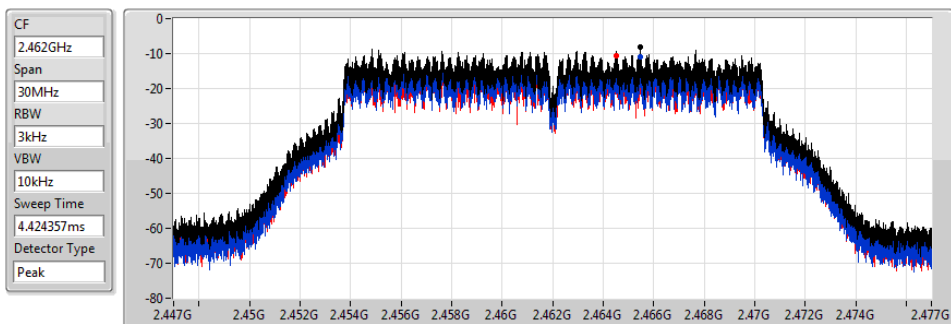
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.66	-2.66	-6.12	-5.26

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

11/11/2019



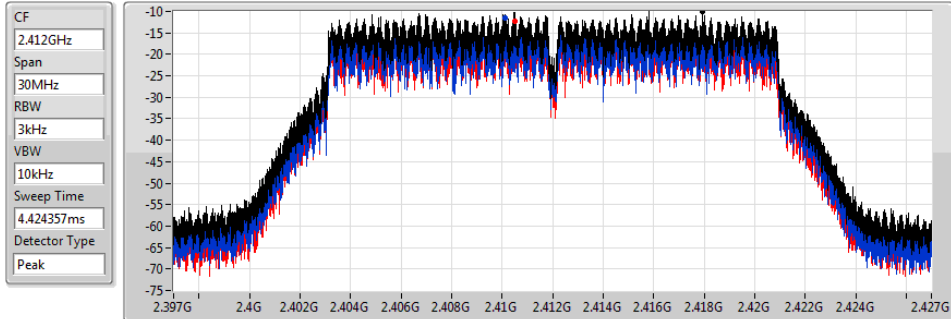
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.21	-8.21	-10.87	-10.56

VHT20_Nss2,(MCS0)_2TX

2412MHz

PSD

11/11/2019



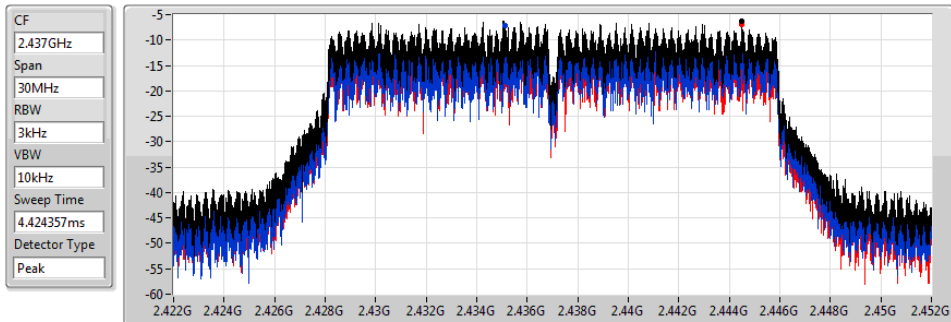
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.05	-10.05	-11.40	-12.26

VHT20_Nss2,(MCS0)_2TX

2437MHz

PSD

11/11/2019



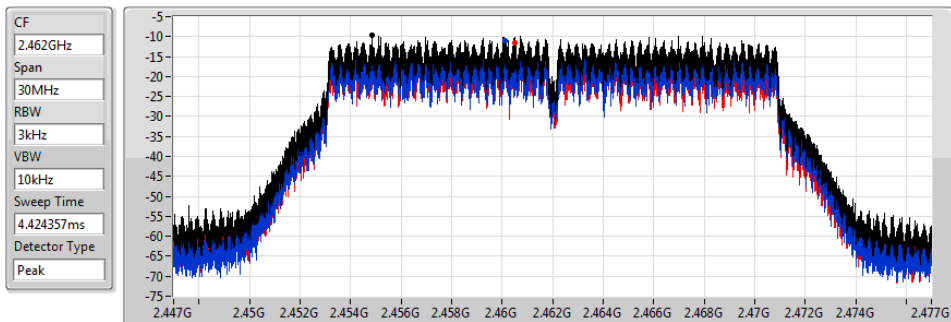
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.19	-6.19	-7.17	-7.02

VHT20_Nss2,(MCS0)_2TX

2462MHz

PSD

11/11/2019



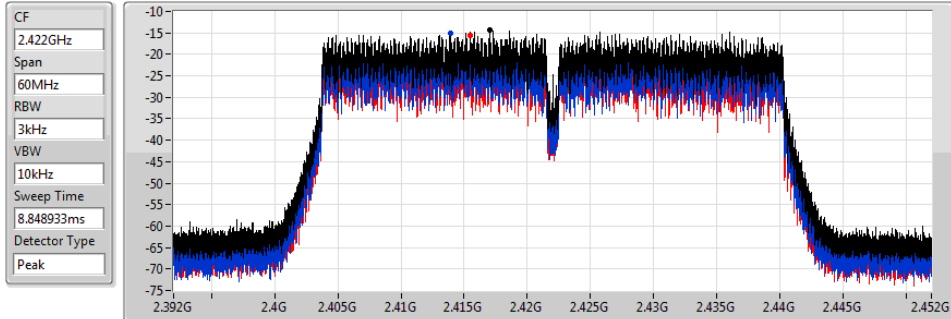
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.54	-9.54	-10.92	-11.50

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

11/11/2019



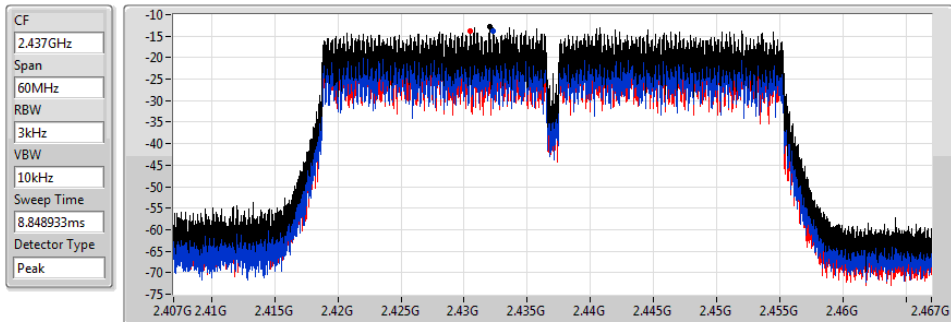
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.29	-14.29	-15.14	-15.54

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



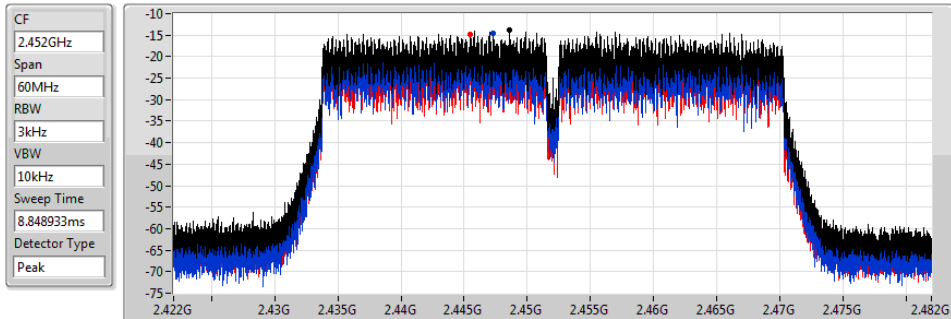
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.85	-12.85	-13.72	-13.73

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

11/11/2019



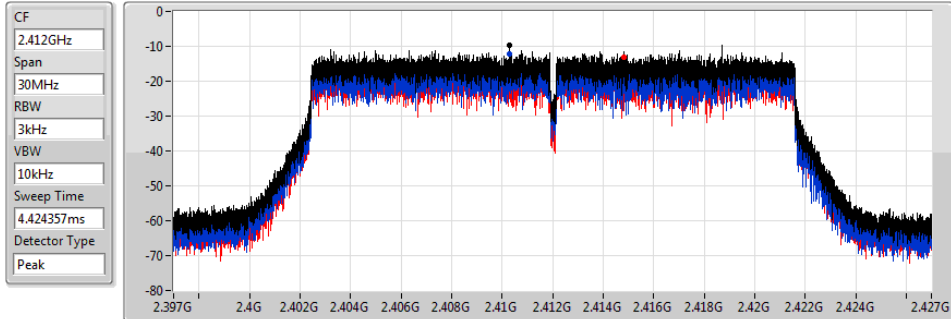
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.91	-13.91	-14.49	-14.91

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

11/11/2019



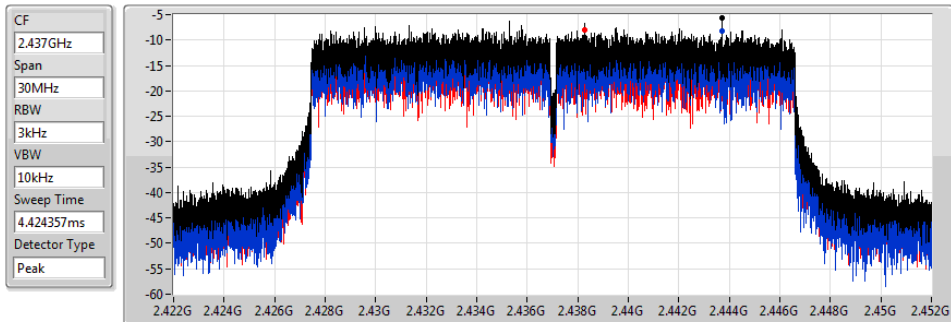
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.61	-9.61	-12.04	-13.22

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



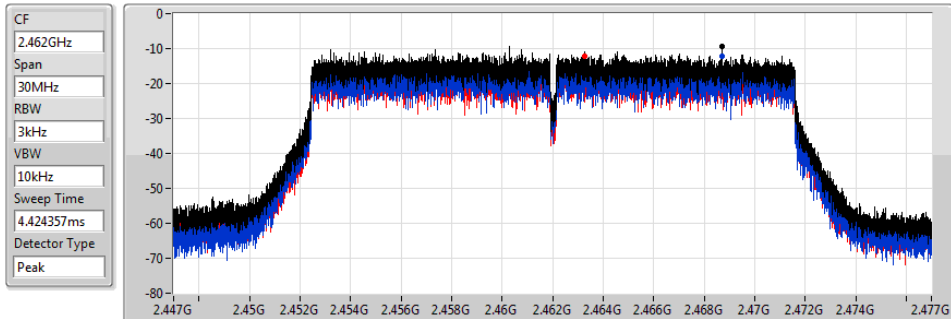
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.71	-5.71	-8.25	-7.98

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

11/11/2019



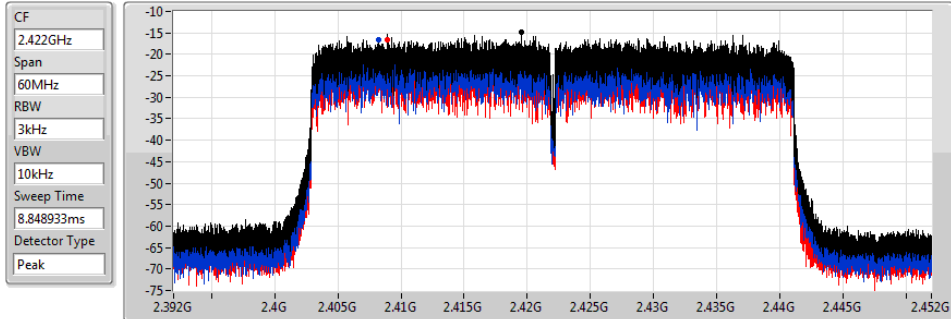
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.22	-9.22	-12.12	-12.07

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

11/11/2019



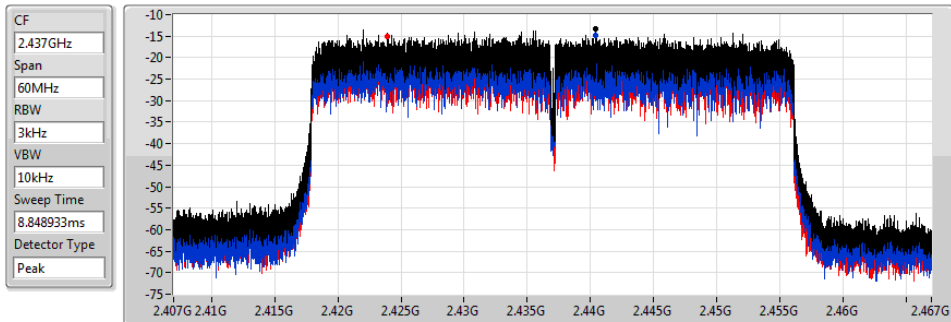
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.76	-14.76	-16.58	-16.61

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



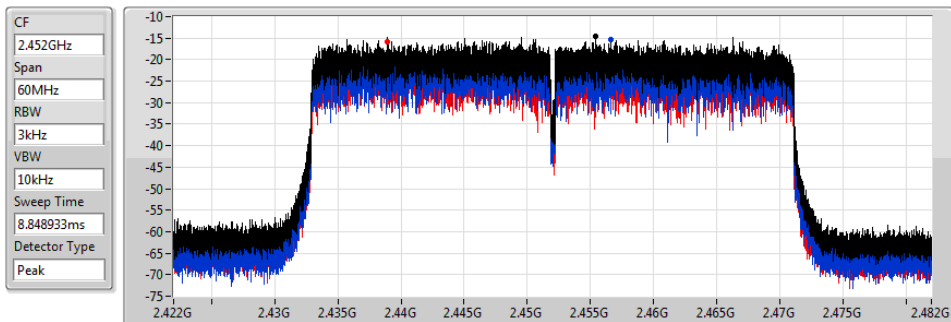
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.26	-13.26	-14.81	-15.08

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

11/11/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.69	-14.69	-15.30	-15.78



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-2.11
802.11g_Nss1,(6Mbps)_1TX	-5.56
VHT20_Nss1,(MCS0)_1TX	-6.24
VHT40_Nss1,(MCS0)_1TX	-11.97
802.11ax HEW20_Nss1,(MCS0)_1TX	-5.57
802.11ax HEW40_Nss1,(MCS0)_1TX	-13.13

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	-2.92	-2.92	6.20
2437MHz	Pass	7.80	-2.11	-2.11	6.20
2462MHz	Pass	7.80	-2.87	-2.87	6.20
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	-10.10	-10.10	6.20
2437MHz	Pass	7.80	-5.56	-5.56	6.20
2462MHz	Pass	7.80	-10.62	-10.62	6.20
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	-12.25	-12.25	6.20
2437MHz	Pass	7.80	-6.24	-6.24	6.20
2462MHz	Pass	7.80	-13.46	-13.46	6.20
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	7.80	-12.66	-12.66	6.20
2437MHz	Pass	7.80	-11.97	-11.97	6.20
2452MHz	Pass	7.80	-14.24	-14.24	6.20
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	7.80	-11.78	-11.78	6.20
2437MHz	Pass	7.80	-5.57	-5.57	6.20
2462MHz	Pass	7.80	-12.13	-12.13	6.20
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	7.80	-14.13	-14.13	6.20
2437MHz	Pass	7.80	-13.13	-13.13	6.20
2452MHz	Pass	7.80	-15.41	-15.41	6.20

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

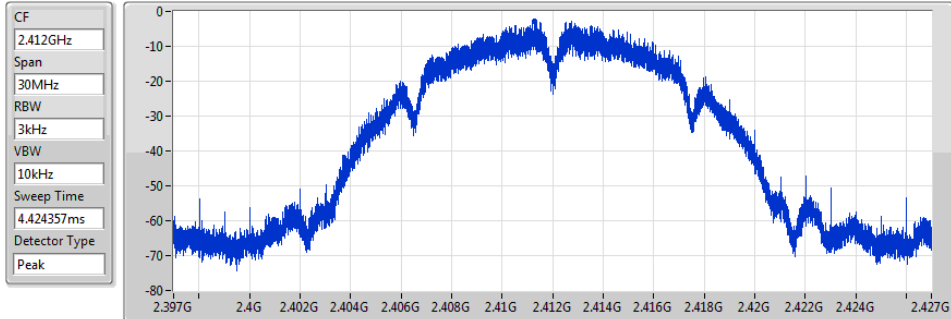
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

11/11/2019



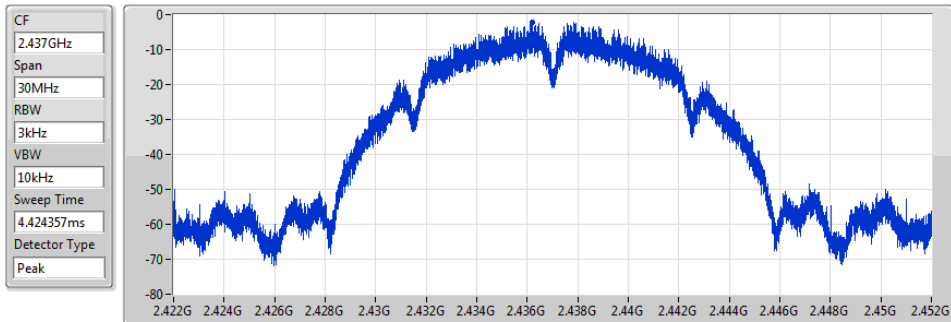
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.92	-2.92	-2.92

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

11/11/2019



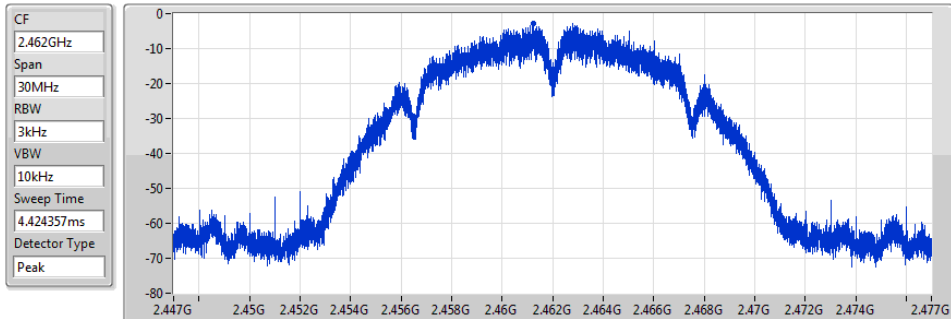
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.11	-2.11	-2.11

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

11/11/2019



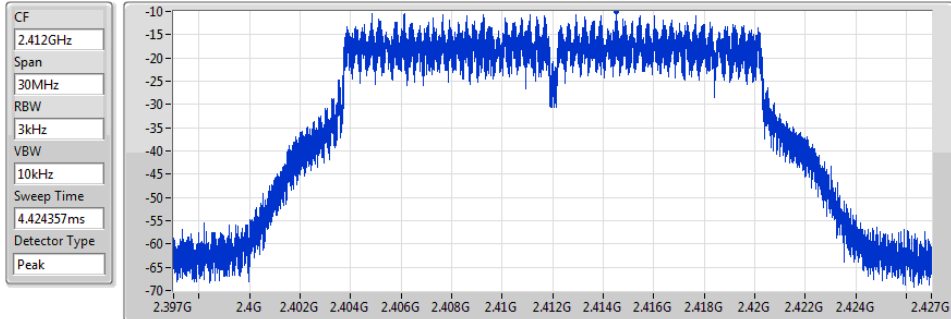
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.87	-2.87	-2.87

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

11/11/2019



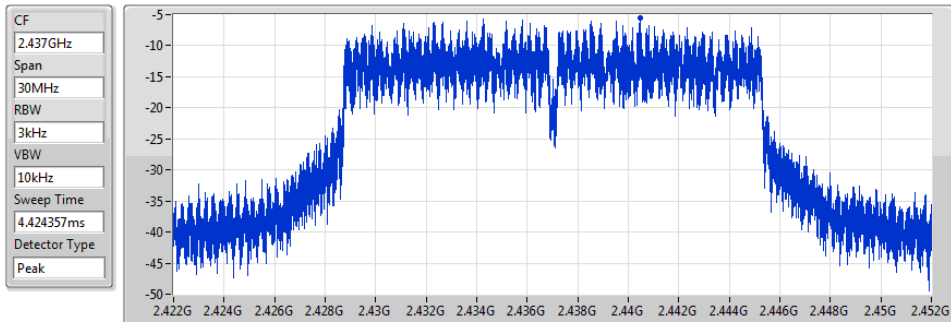
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.10	-10.10	-10.10

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

11/11/2019



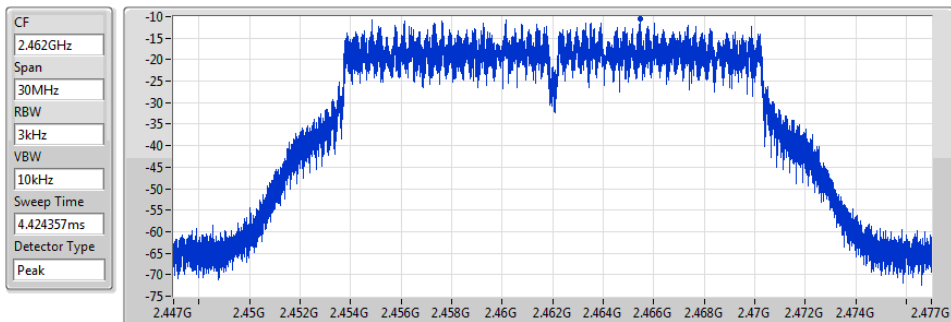
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.56	-5.56	-5.56

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

11/11/2019



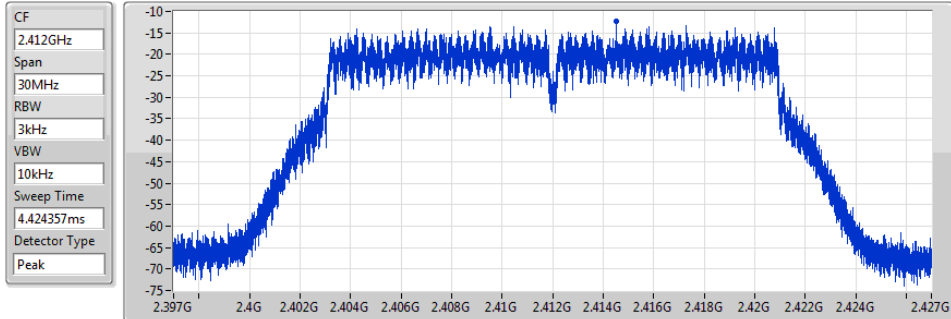
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.62	-10.62	-10.62

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



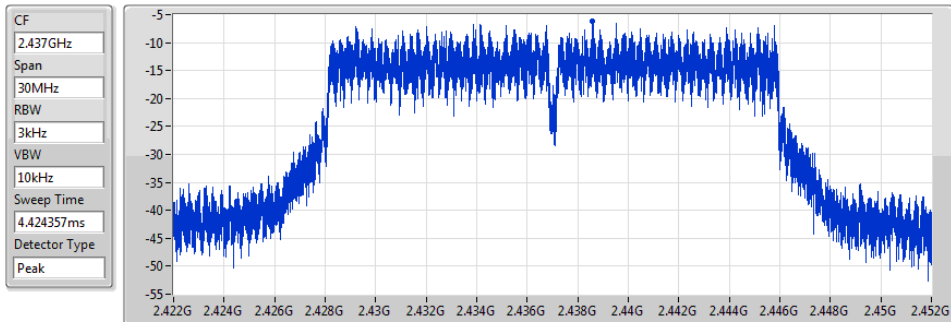
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.25	-12.25	-12.25

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



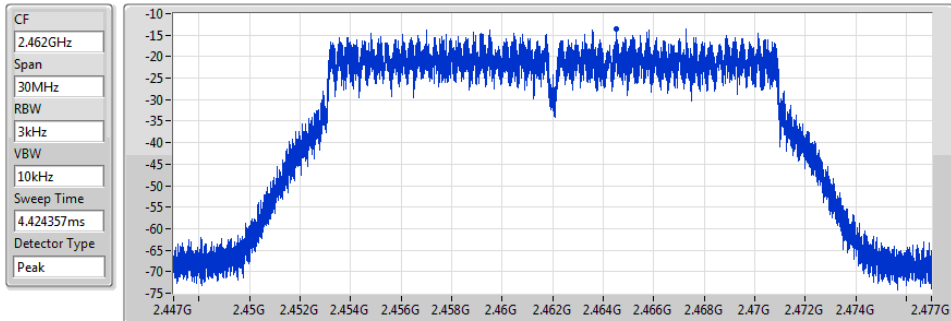
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.24	-6.24	-6.24

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



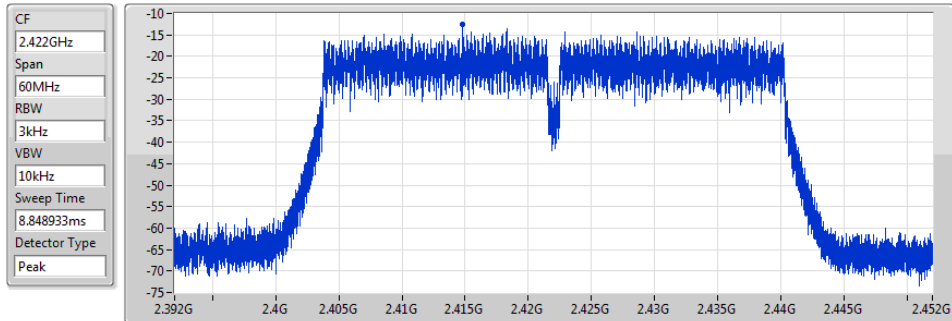
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.46	-13.46	-13.46

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



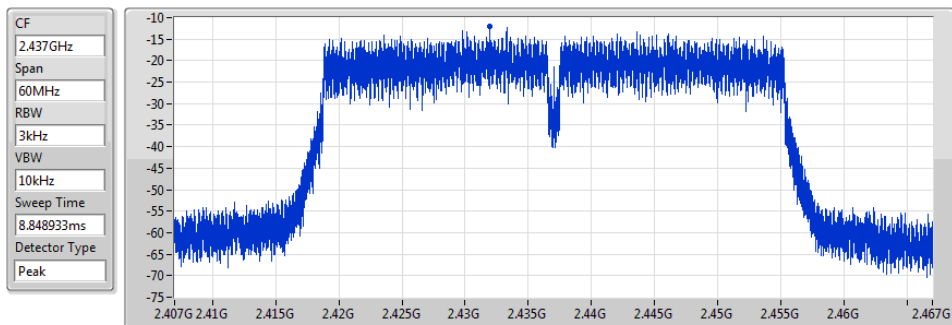
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.66	-12.66	-12.66

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



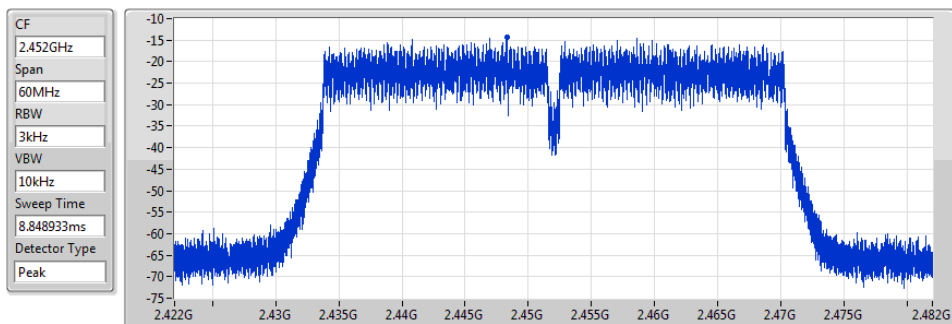
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.97	-11.97	-11.97

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



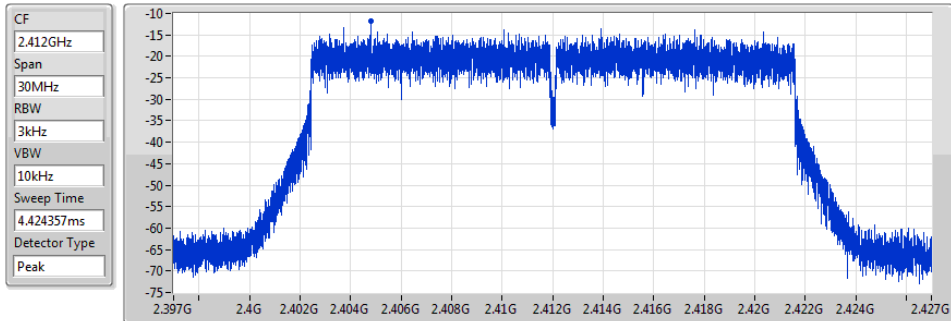
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.24	-14.24	-14.24

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



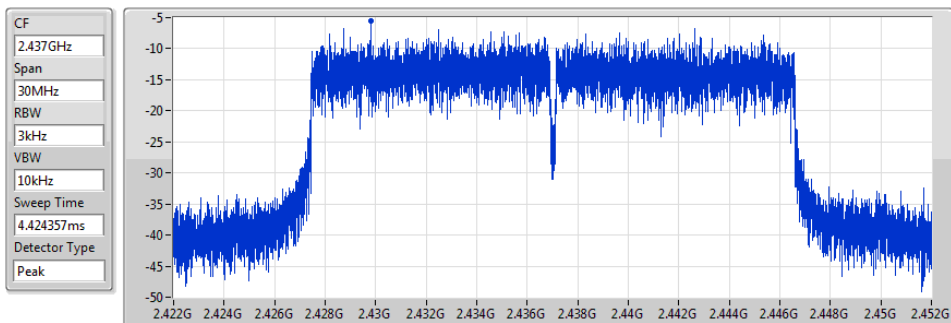
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.78	-11.78	-11.78

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



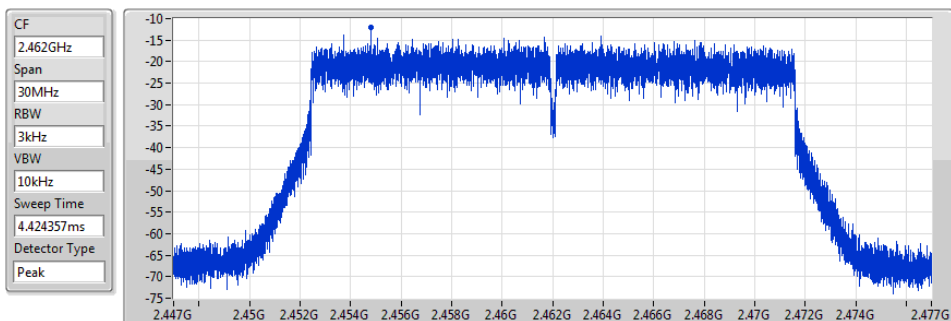
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.57	-5.57	-5.57

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



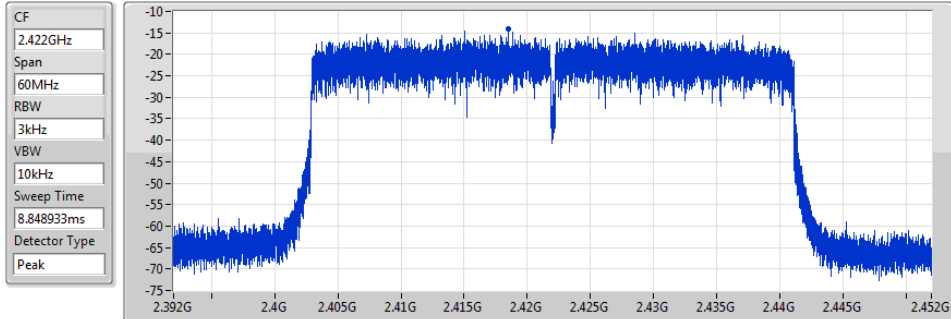
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.13	-12.13	-12.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



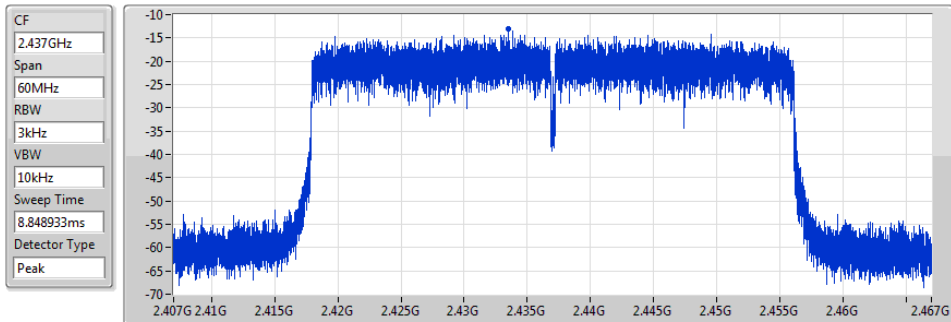
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.13	-14.13	-14.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



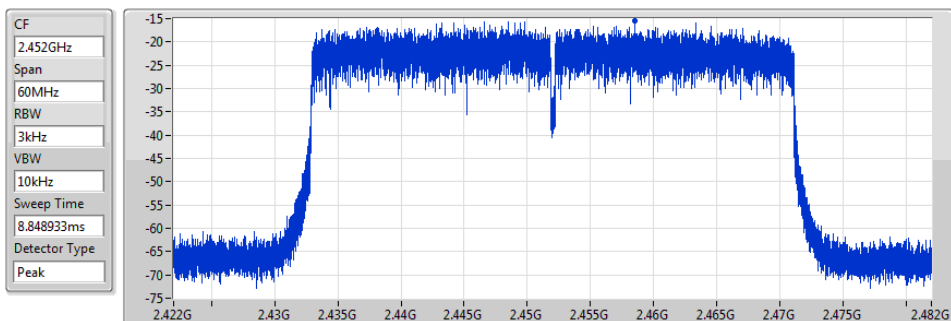
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.13	-13.13	-13.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.41	-15.41	-15.41



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.51
802.11g_Nss1,(6Mbps)_2TX	-4.00
VHT20_Nss2,(MCS0)_2TX	-6.03
VHT40_Nss2,(MCS0)_2TX	-12.97
802.11ax HEW20_Nss2,(MCS0)_2TX	-5.72
802.11ax HEW40_Nss2,(MCS0)_2TX	-13.50

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-4.33	-4.47	-2.51	3.19
2437MHz	Pass	10.81	-6.28	-4.68	-3.07	3.19
2462MHz	Pass	10.81	-5.80	-5.23	-3.41	3.19
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-10.86	-10.35	-7.59	3.19
2437MHz	Pass	10.81	-6.80	-6.68	-4.00	3.19
2462MHz	Pass	10.81	-11.08	-10.30	-8.42	3.19
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	-10.28	-10.73	-9.12	6.20
2437MHz	Pass	7.80	-7.98	-7.40	-6.03	6.20
2462MHz	Pass	7.80	-10.23	-9.79	-8.54	6.20
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.80	-14.27	-14.67	-13.34	6.20
2437MHz	Pass	7.80	-13.68	-13.84	-12.97	6.20
2452MHz	Pass	7.80	-15.07	-14.59	-13.46	6.20
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.80	-11.57	-11.43	-9.08	6.20
2437MHz	Pass	7.80	-8.45	-7.91	-5.72	6.20
2462MHz	Pass	7.80	-11.83	-11.30	-9.30	6.20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.80	-15.08	-15.71	-14.08	6.20
2437MHz	Pass	7.80	-14.43	-14.73	-13.50	6.20
2452MHz	Pass	7.80	-15.21	-15.15	-14.13	6.20

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

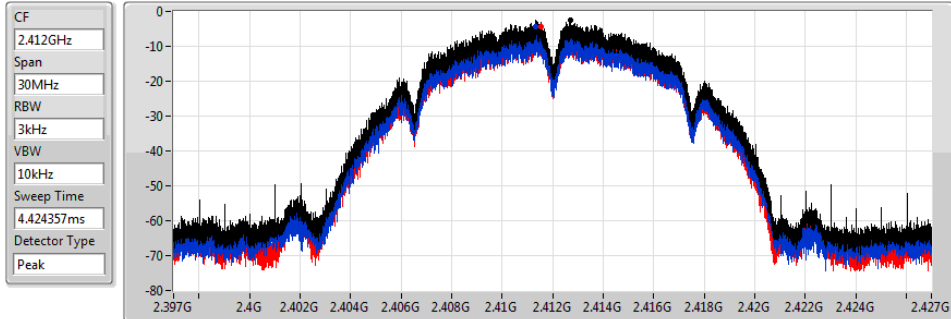
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

13/11/2019



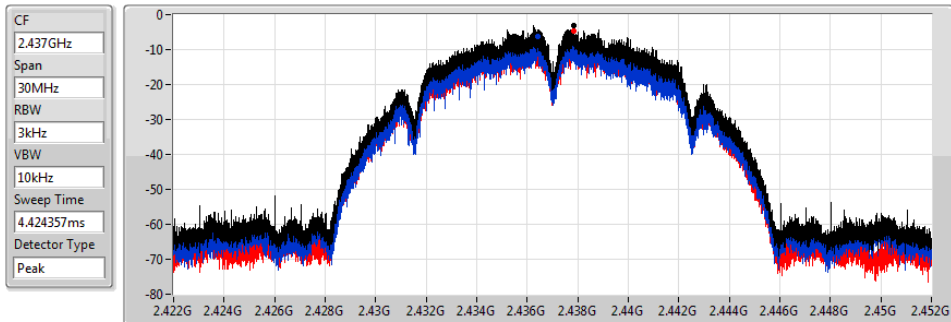
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.51	-2.51	-4.33	-4.47

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

13/11/2019



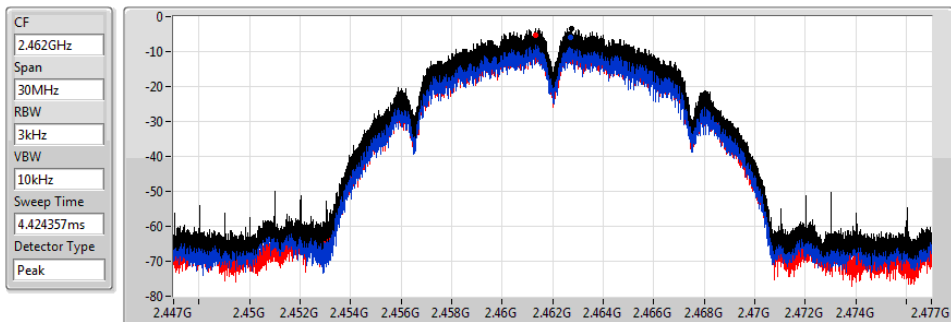
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-6.28	-4.68

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

13/11/2019



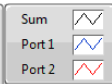
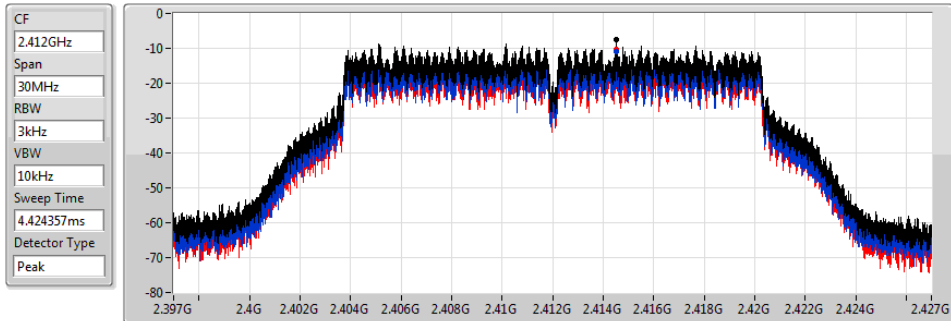
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.41	-3.41	-5.80	-5.23

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

13/11/2019



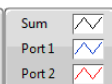
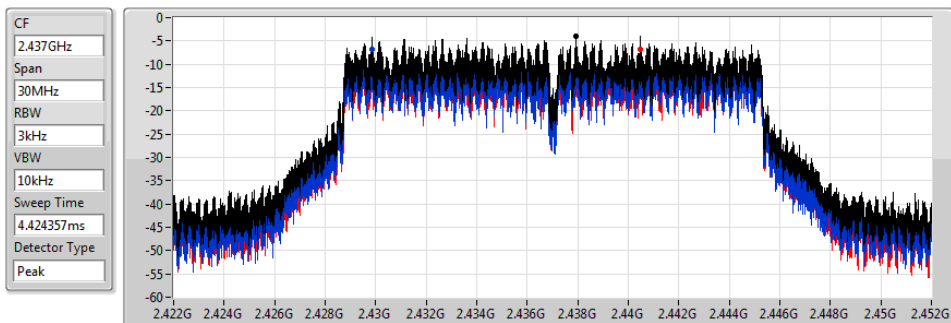
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.59	-7.59	-10.86	-10.35

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

13/11/2019



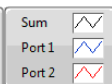
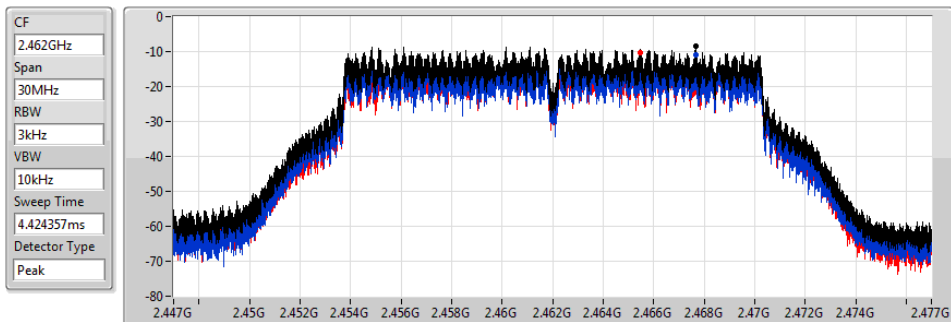
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.00	-4.00	-6.80	-6.68

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

13/11/2019



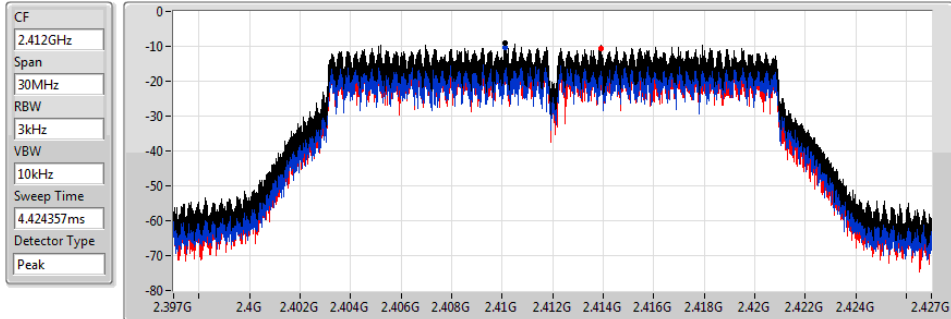
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.42	-8.42	-11.08	-10.30

VHT20_Nss2,(MCS0)_2TX

PSD

2412MHz

13/11/2019



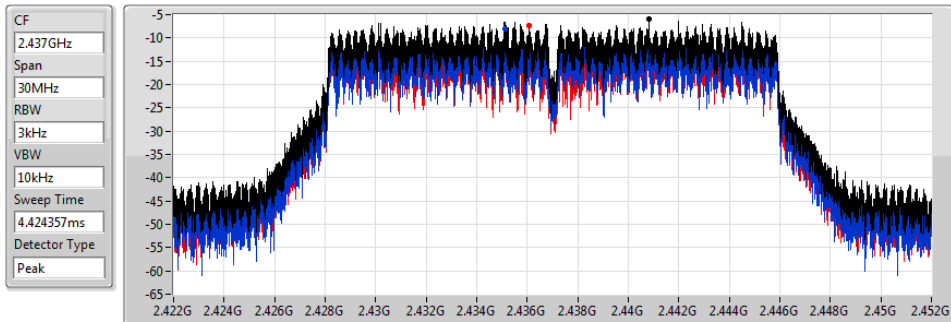
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.12	-9.12	-10.28	-10.73

VHT20_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



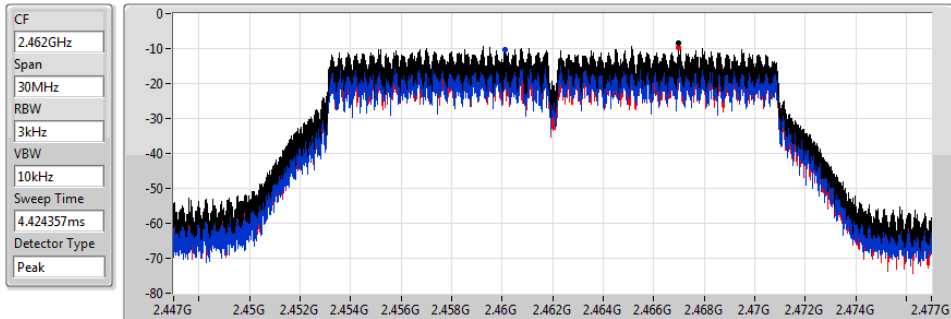
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.03	-6.03	-7.98	-7.40

VHT20_Nss2,(MCS0)_2TX

PSD

2462MHz

13/11/2019



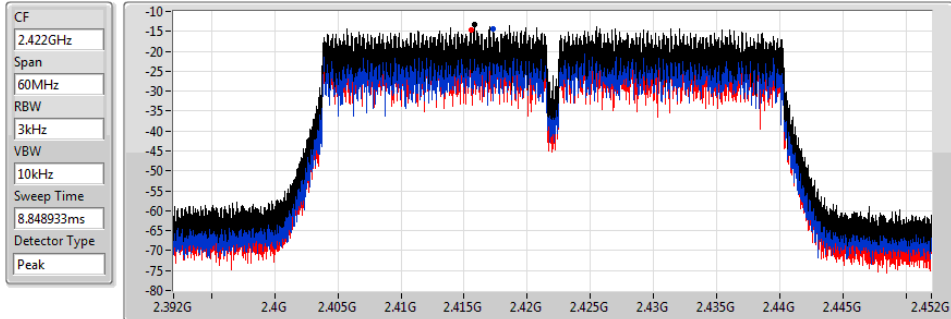
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.54	-8.54	-10.23	-9.79

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

13/11/2019



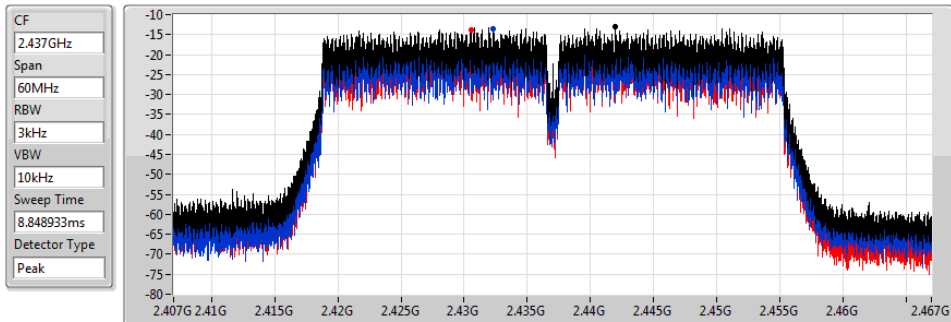
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.34	-13.34	-14.27	-14.67

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



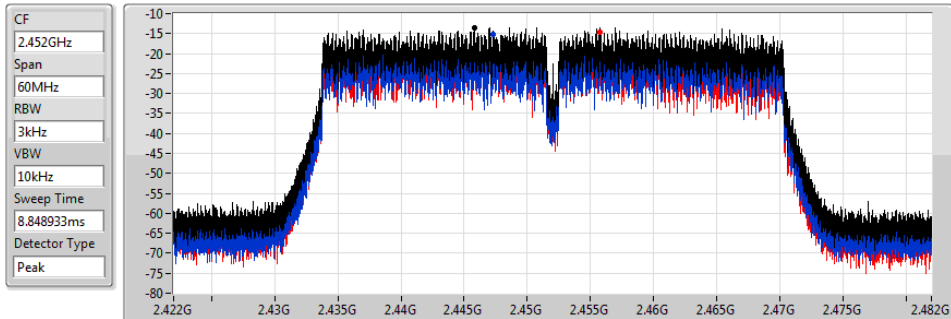
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.97	-12.97	-13.68	-13.84

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

13/11/2019



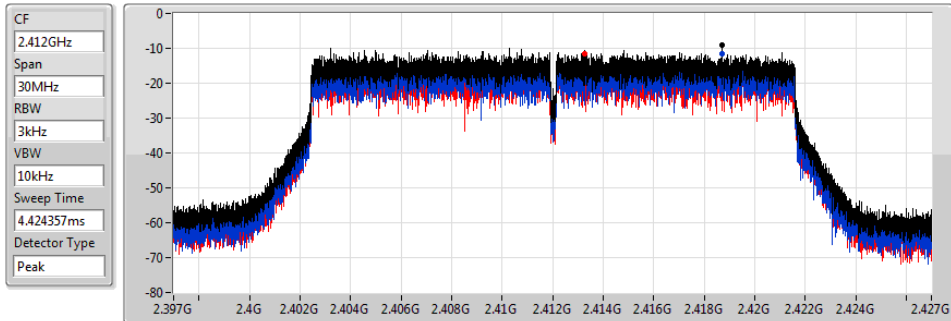
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.46	-13.46	-15.07	-14.59

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

13/11/2019



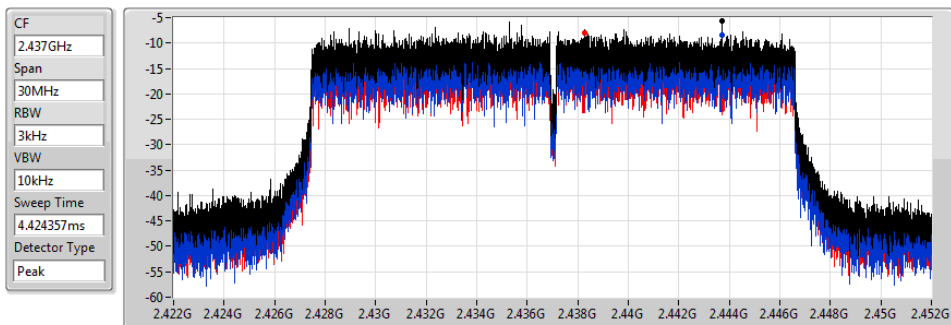
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.08	-9.08	-11.57	-11.43

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



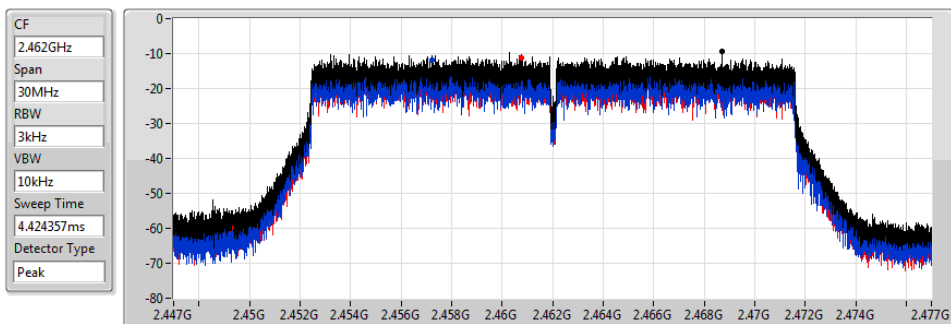
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-8.45	-7.91

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

13/11/2019



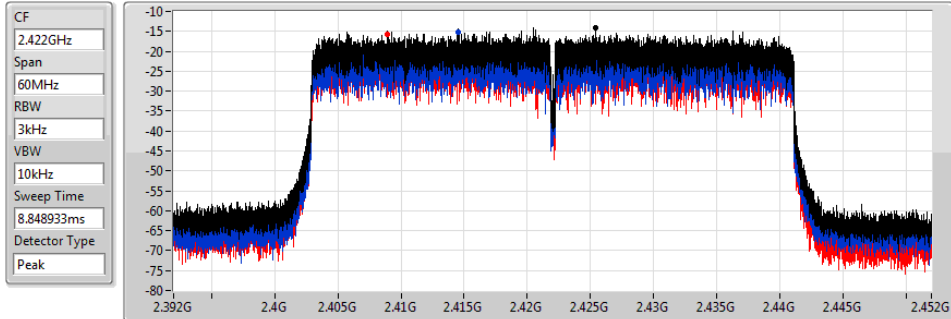
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.30	-9.30	-11.83	-11.30

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

13/11/2019



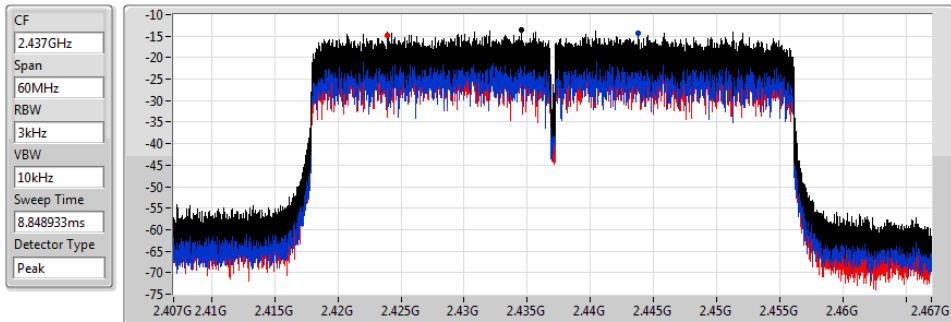
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.08	-14.08	-15.08	-15.71

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



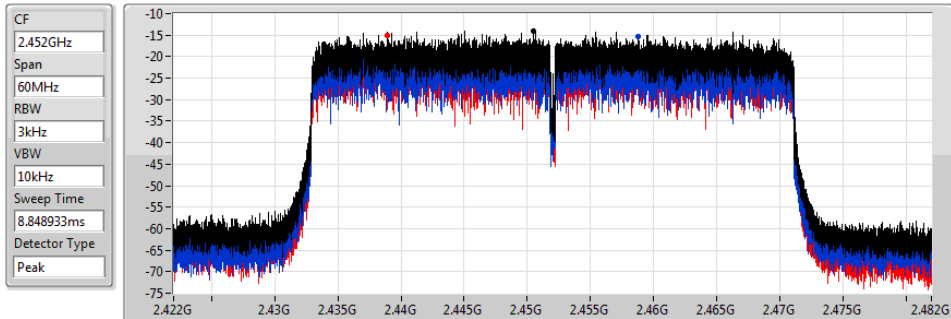
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.50	-13.50	-14.43	-14.73

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

13/11/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.13	-14.13	-15.21	-15.15



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-1.33
802.11g_Nss1,(6Mbps)_1TX	-5.48
VHT20_Nss1,(MCS0)_1TX	-6.33
VHT40_Nss1,(MCS0)_1TX	-12.43
802.11ax HEW20_Nss1,(MCS0)_1TX	-6.43
802.11ax HEW40_Nss1,(MCS0)_1TX	-12.46

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

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-1.51	-1.51	3.50
2437MHz_TnomVnom	Pass	10.50	-3.16	-3.16	3.50
2462MHz_TnomVnom	Pass	10.50	-1.33	-1.33	3.50
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-9.80	-9.80	3.50
2437MHz_TnomVnom	Pass	10.50	-5.48	-5.48	3.50
2462MHz_TnomVnom	Pass	10.50	-10.43	-10.43	3.50
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-12.37	-12.37	3.50
2437MHz_TnomVnom	Pass	10.50	-6.33	-6.33	3.50
2462MHz_TnomVnom	Pass	10.50	-13.06	-13.06	3.50
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	-12.53	-12.53	3.50
2437MHz_TnomVnom	Pass	10.50	-12.43	-12.43	3.50
2452MHz_TnomVnom	Pass	10.50	-13.04	-13.04	3.50
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-11.82	-11.82	3.50
2437MHz_TnomVnom	Pass	10.50	-6.43	-6.43	3.50
2462MHz_TnomVnom	Pass	10.50	-11.42	-11.42	3.50
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	-13.70	-13.70	3.50
2437MHz_TnomVnom	Pass	10.50	-12.46	-12.46	3.50
2452MHz_TnomVnom	Pass	10.50	-15.50	-15.50	3.50

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

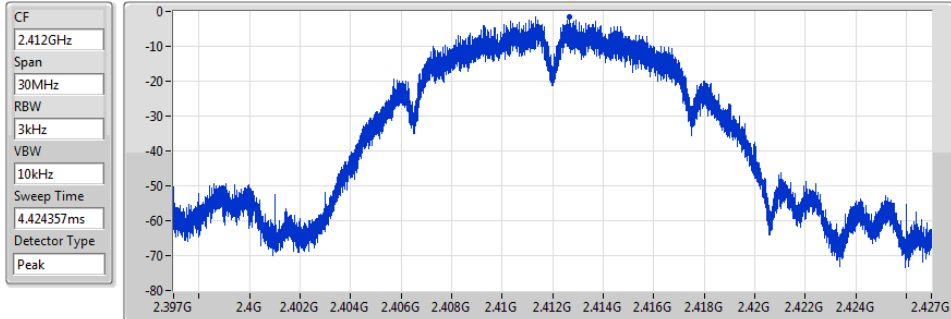
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

14/11/2019



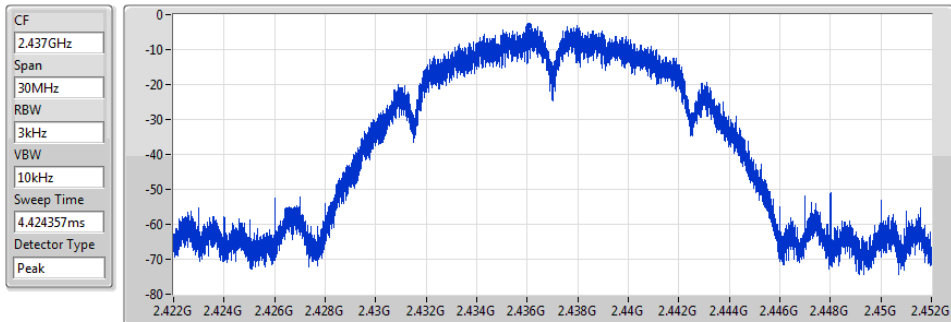
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-1.51

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

14/11/2019



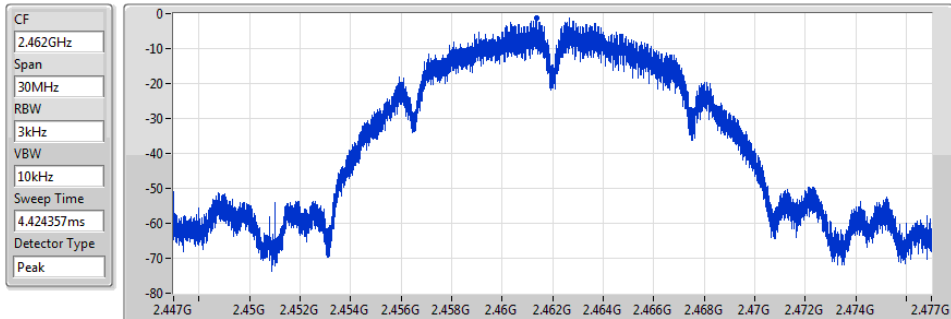
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.16	-3.16	-3.16

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

14/11/2019



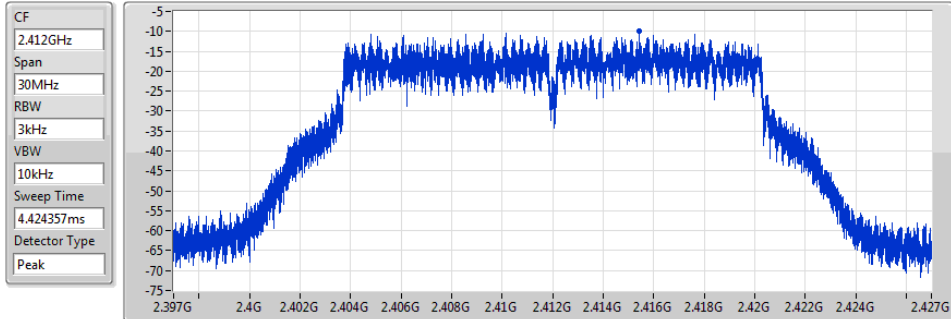
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.33	-1.33	-1.33

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

14/11/2019



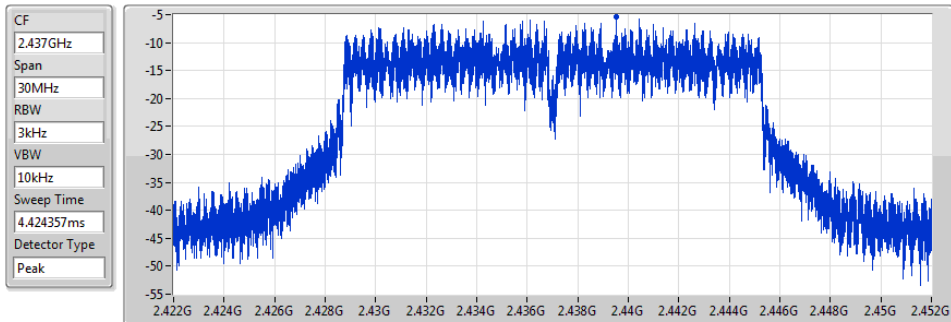
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.80	-9.80	-9.80

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

14/11/2019



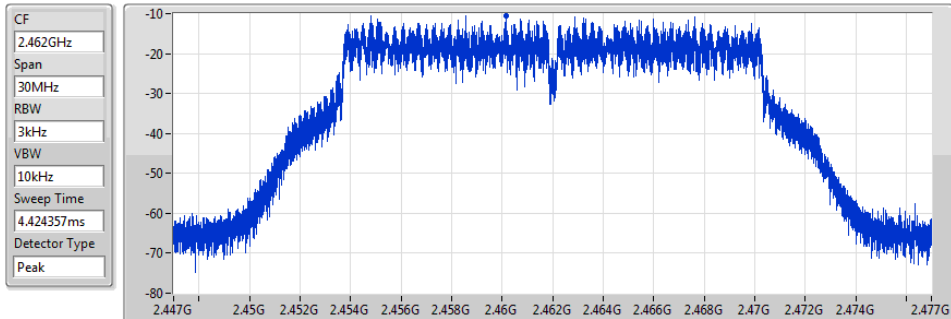
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.48	-5.48	-5.48

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

14/11/2019



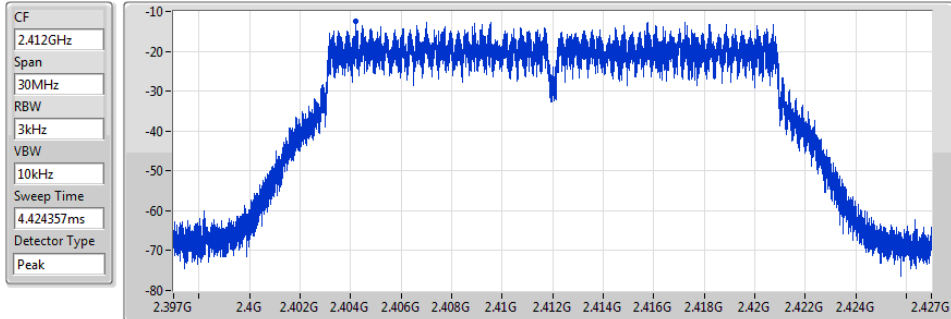
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.43	-10.43	-10.43

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

14/11/2019



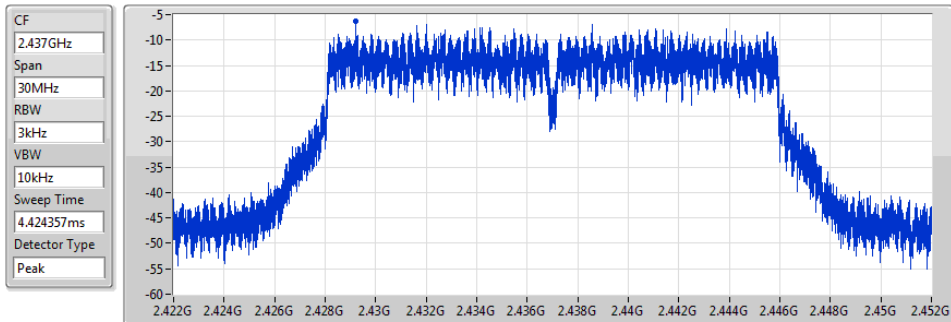
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.37	-12.37	-12.37

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



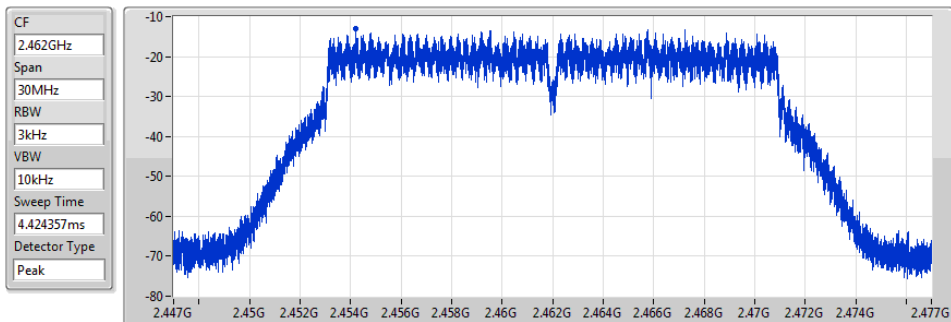
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.33	-6.33	-6.33

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

14/11/2019



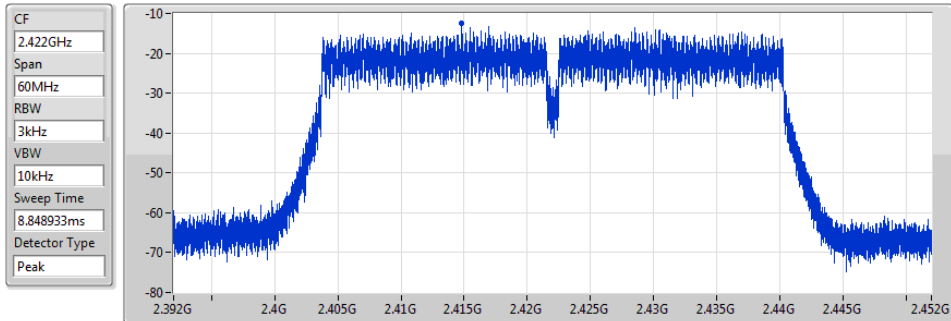
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.06	-13.06	-13.06

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

14/11/2019



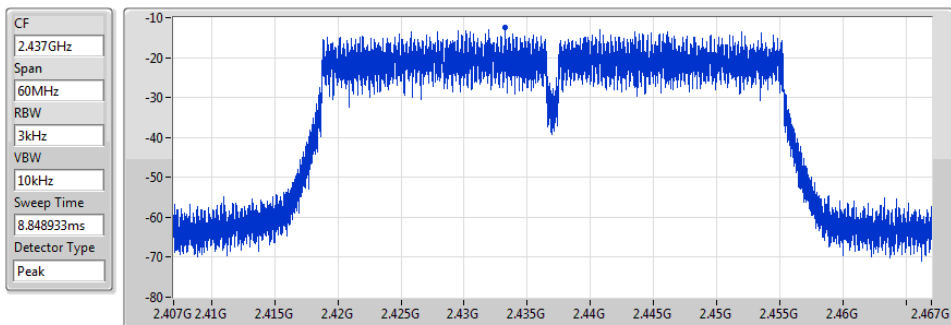
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.53	-12.53	-12.53

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



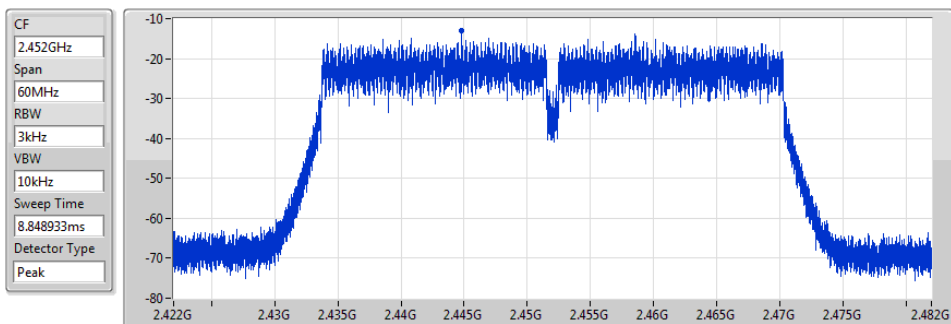
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.43	-12.43	-12.43

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

14/11/2019



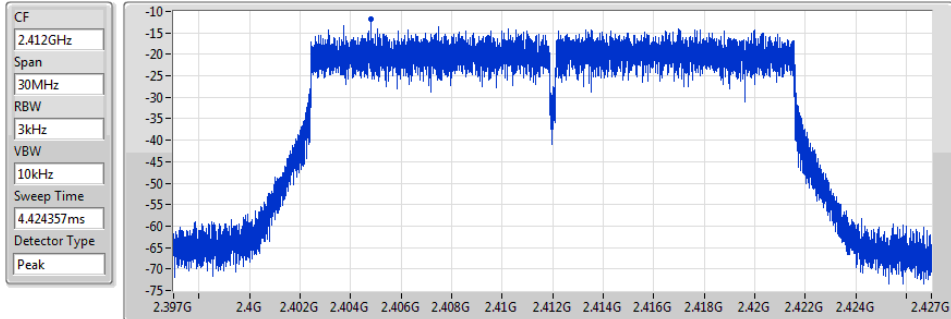
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.04	-13.04	-13.04

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

14/11/2019



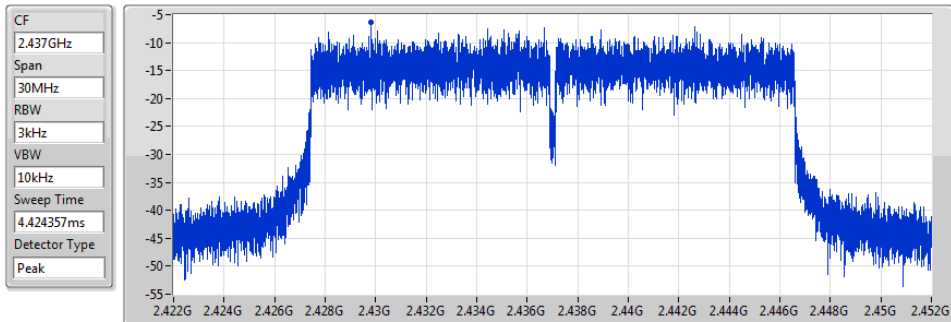
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.82	-11.82	-11.82

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



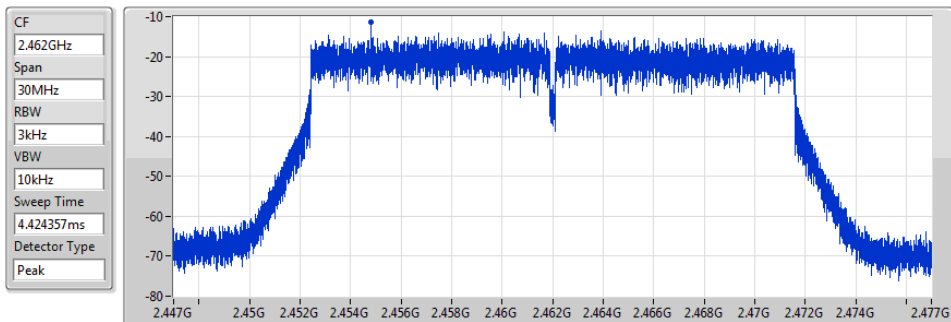
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.43	-6.43	-6.43

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

14/11/2019



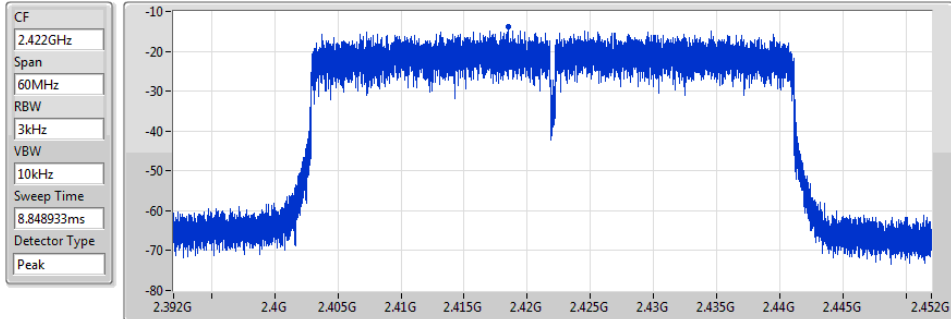
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.42	-11.42	-11.42

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

14/11/2019



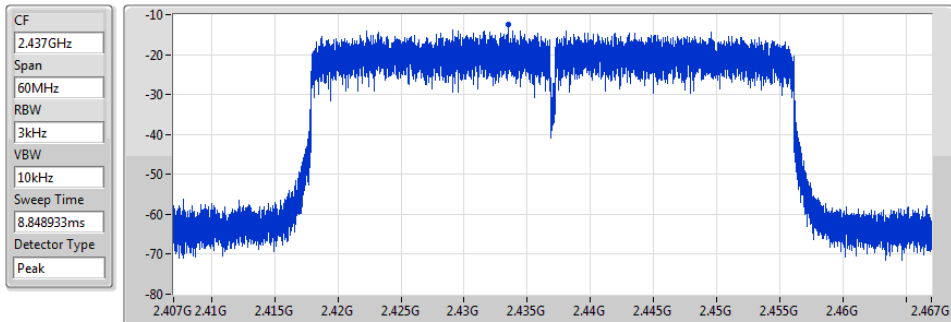
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.70	-13.70	-13.70

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



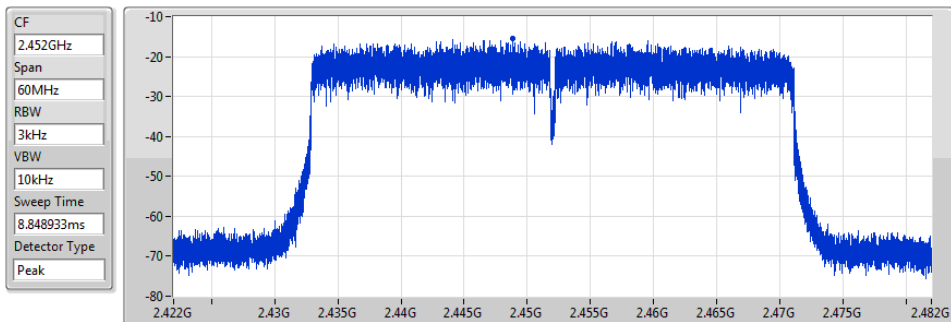
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.46	-12.46	-12.46

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

14/11/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.50	-15.50	-15.50



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.41
802.11g_Nss1,(6Mbps)_2TX	-4.30
VHT20_Nss2,(MCS0)_2TX	-6.40
VHT40_Nss2,(MCS0)_2TX	-12.38
802.11ax HEW20_Nss2,(MCS0)_2TX	-6.12
802.11ax HEW40_Nss2,(MCS0)_2TX	-13.33

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	13.51	-4.03	-2.57	-1.72	0.49
2437MHz_TnomVnom	Pass	13.51	-1.54	-1.61	0.41	0.49
2462MHz_TnomVnom	Pass	13.51	-3.29	-2.99	-0.62	0.49
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	13.51	-10.53	-10.26	-8.07	0.49
2437MHz_TnomVnom	Pass	13.51	-7.34	-7.28	-4.30	0.49
2462MHz_TnomVnom	Pass	13.51	-11.55	-11.33	-8.65	0.49
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-12.17	-11.33	-10.50	3.50
2437MHz_TnomVnom	Pass	10.50	-8.02	-7.61	-6.40	3.50
2462MHz_TnomVnom	Pass	10.50	-11.30	-10.29	-9.33	3.50
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	-15.56	-15.44	-14.02	3.50
2437MHz_TnomVnom	Pass	10.50	-13.92	-13.99	-12.38	3.50
2452MHz_TnomVnom	Pass	10.50	-14.79	-15.30	-14.07	3.50
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	10.50	-12.82	-13.19	-10.38	3.50
2437MHz_TnomVnom	Pass	10.50	-8.80	-8.54	-6.12	3.50
2462MHz_TnomVnom	Pass	10.50	-12.16	-11.09	-9.09	3.50
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	10.50	-16.49	-16.34	-15.39	3.50
2437MHz_TnomVnom	Pass	10.50	-14.81	-14.51	-13.33	3.50
2452MHz_TnomVnom	Pass	10.50	-15.91	-15.62	-14.81	3.50

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

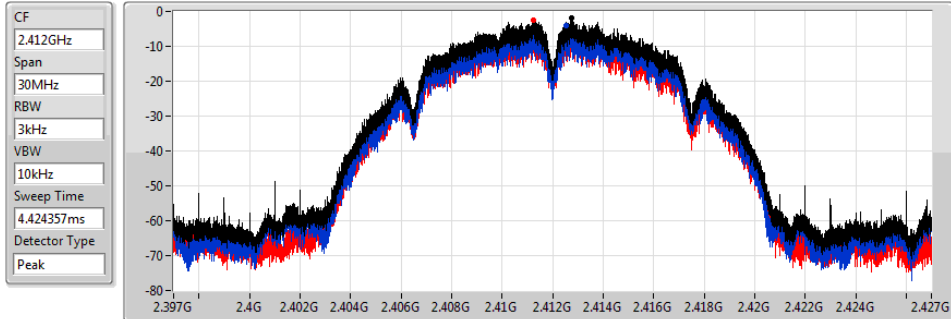
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

14/11/2019



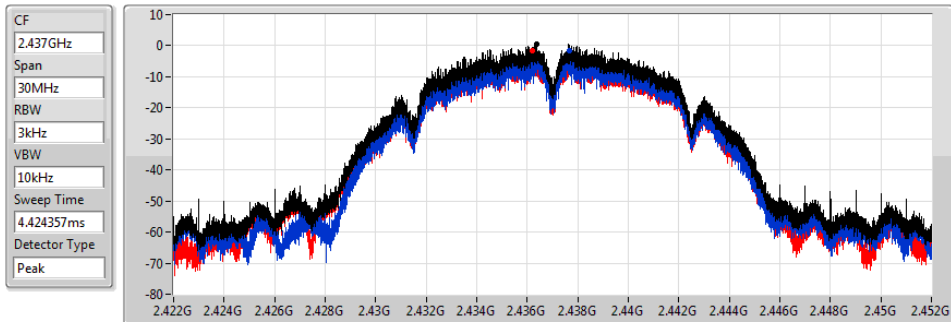
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.72	-1.72	-4.03	-2.57

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

14/11/2019



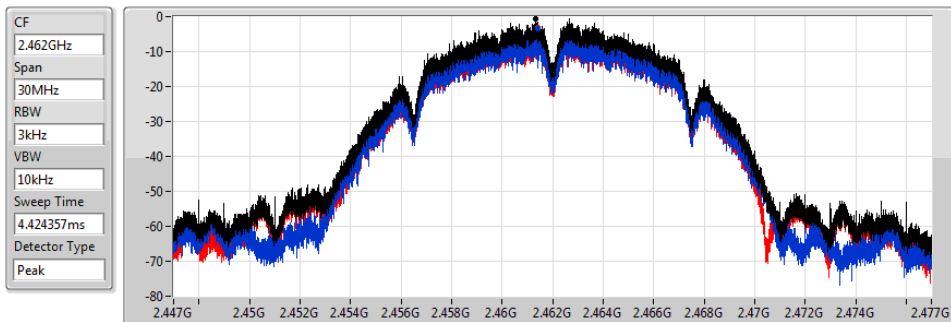
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.41	0.41	-1.54	-1.61

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

14/11/2019



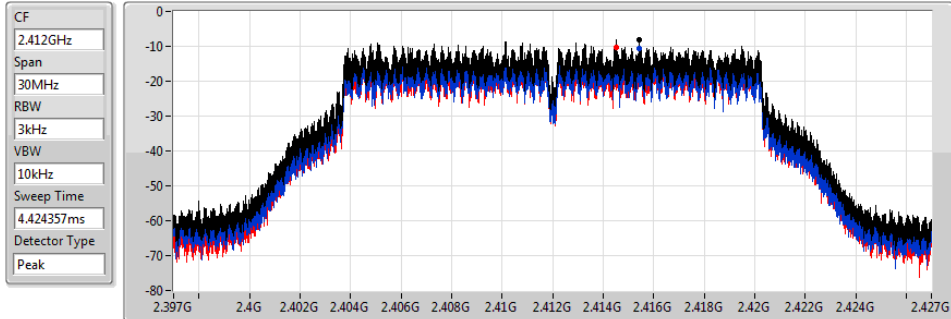
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.62	-0.62	-3.29	-2.99

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

14/11/2019



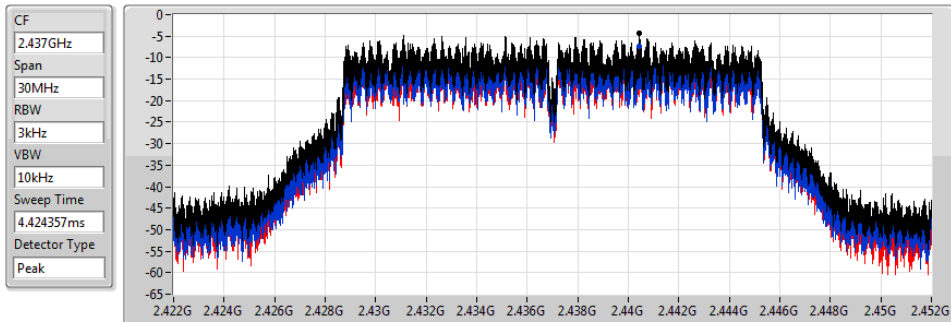
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.07	-8.07	-10.53	-10.26

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

14/11/2019



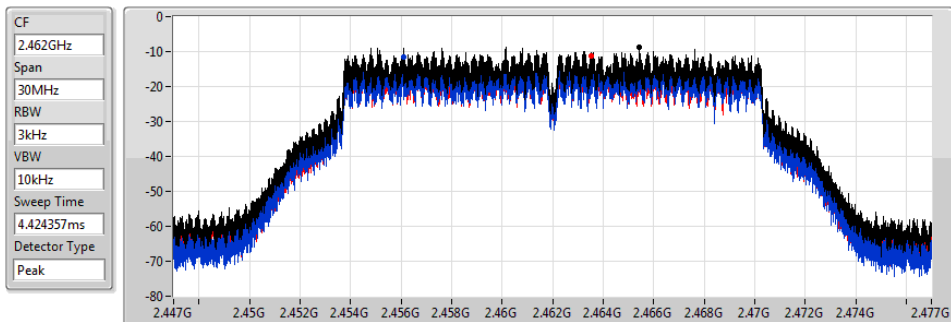
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.30	-4.30	-7.34	-7.28

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

14/11/2019



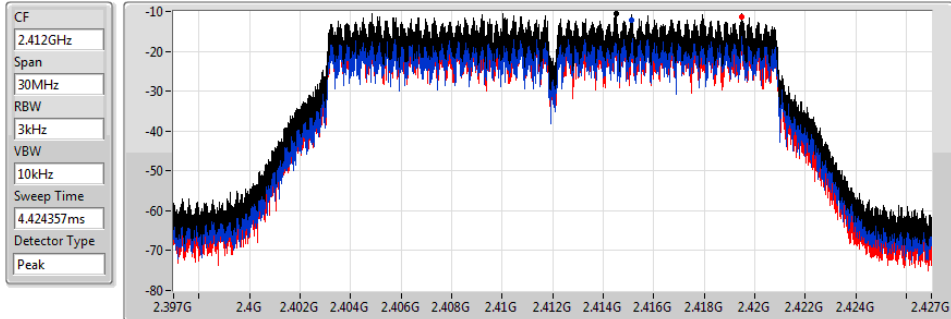
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.65	-8.65	-11.55	-11.33

VHT20_Nss2,(MCS0)_2TX

2412MHz

PSD

14/11/2019



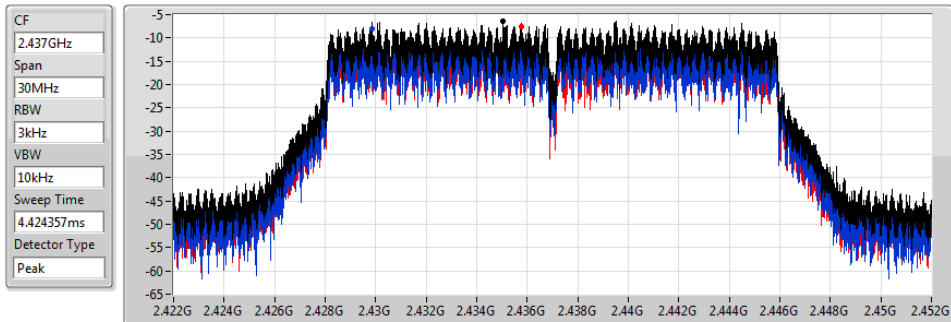
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.50	-10.50	-12.17	-11.33

VHT20_Nss2,(MCS0)_2TX

2437MHz

PSD

14/11/2019



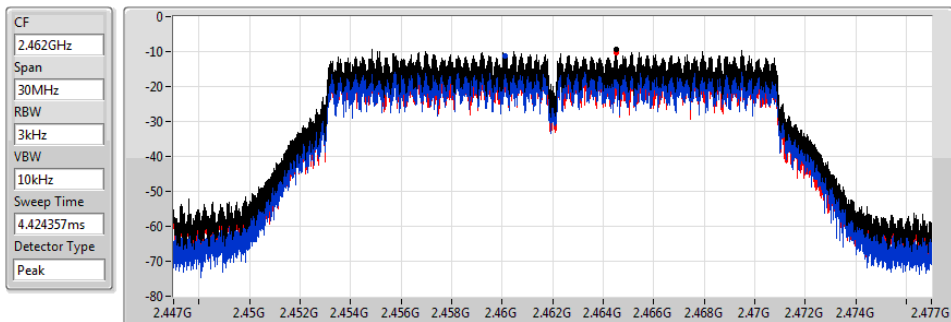
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.40	-6.40	-8.02	-7.61

VHT20_Nss2,(MCS0)_2TX

2462MHz

PSD

14/11/2019



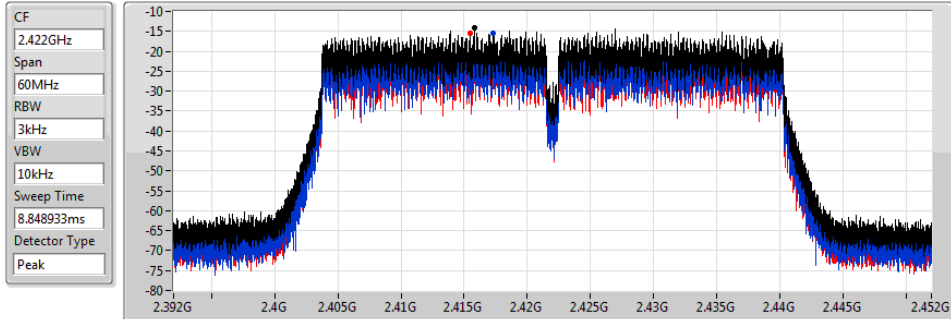
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.33	-9.33	-11.30	-10.29

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

14/11/2019



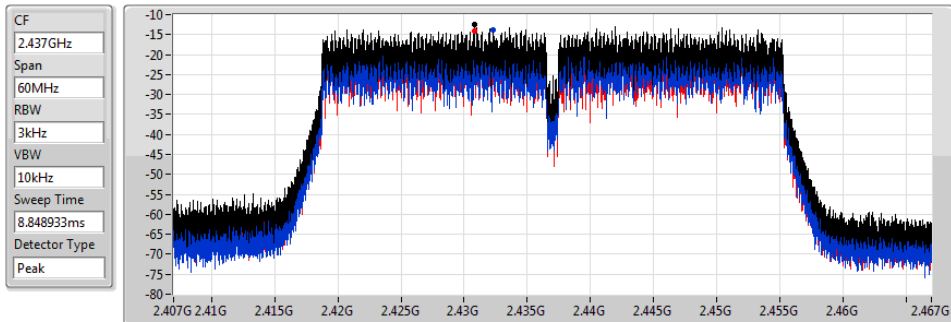
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.02	-14.02	-15.56	-15.44

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



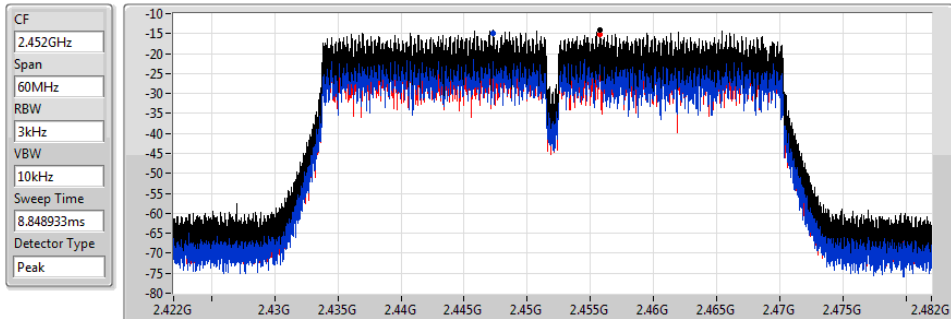
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.38	-12.38	-13.92	-13.99

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

14/11/2019



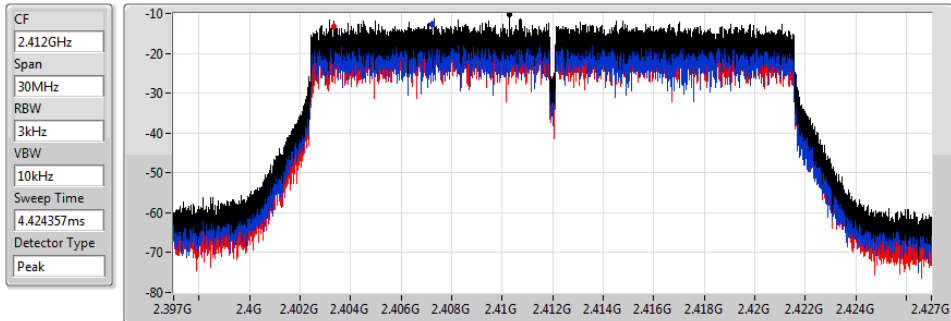
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.07	-14.07	-14.79	-15.30

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

14/11/2019



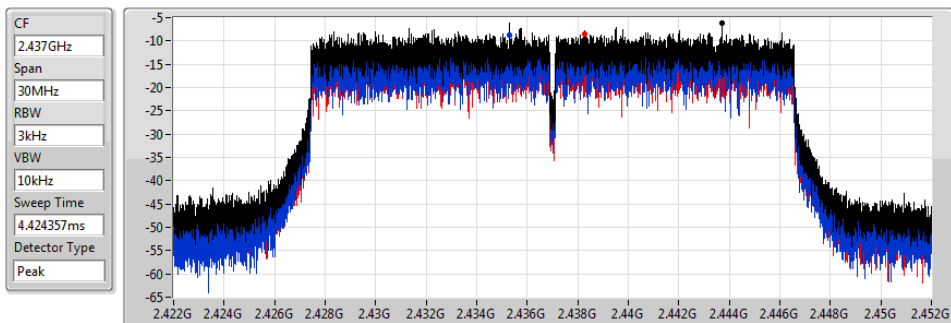
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.38	-10.38	-12.82	-13.19

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



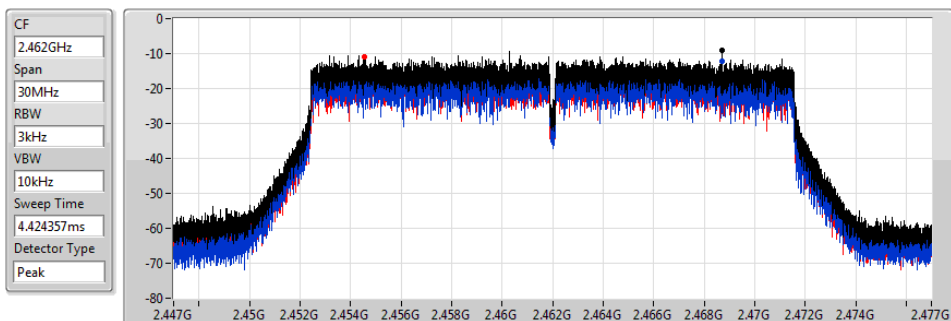
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.12	-6.12	-8.80	-8.54

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

14/11/2019



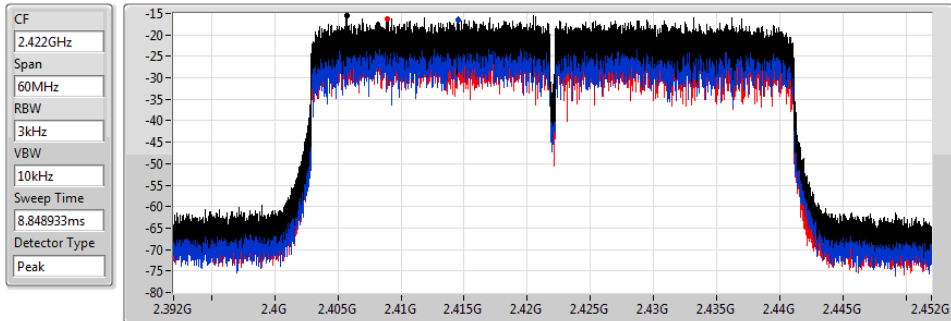
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.09	-9.09	-12.16	-11.09

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

14/11/2019



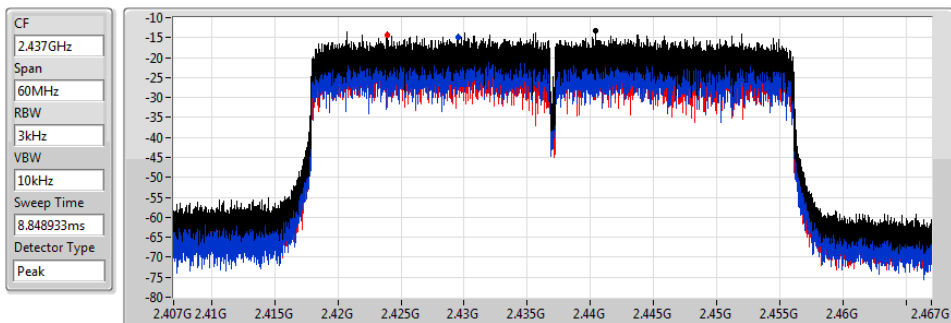
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.39	-15.39	-16.49	-16.34

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



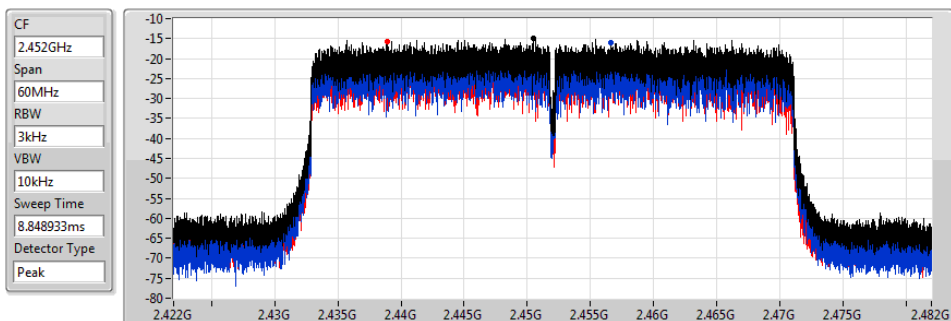
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.33	-13.33	-14.81	-14.51

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

14/11/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.81	-14.81	-15.91	-15.62



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-1.51
VHT40-BF_Nss1,(MCS0)_2TX	-8.76
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-10.36

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	7.53	-9.63	-10.35	-7.74	6.47
2437MHz	Pass	7.53	-6.19	-1.78	-1.51	6.47
2462MHz	Pass	7.53	-12.21	-10.91	-8.82	6.47
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.53	-16.18	-14.84	-13.56	6.47
2437MHz	Pass	7.53	-9.50	-10.77	-8.76	6.47
2452MHz	Pass	7.53	-10.45	-10.34	-8.76	6.47
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.53	-9.26	-10.58	-7.43	6.47
2437MHz	Pass	7.53	-5.28	-5.75	-2.75	6.47
2462MHz	Pass	7.53	-13.00	-11.94	-9.95	6.47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.53	-14.56	-14.81	-12.35	6.47
2437MHz	Pass	7.53	-13.46	-13.28	-10.36	6.47
2452MHz	Pass	7.53	-13.90	-11.84	-10.79	6.47

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

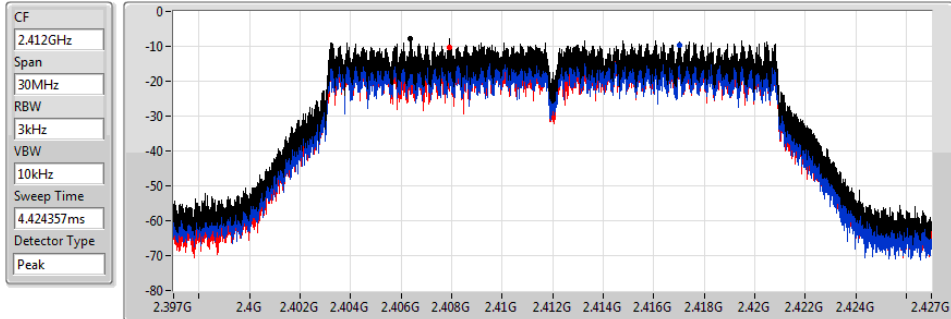
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



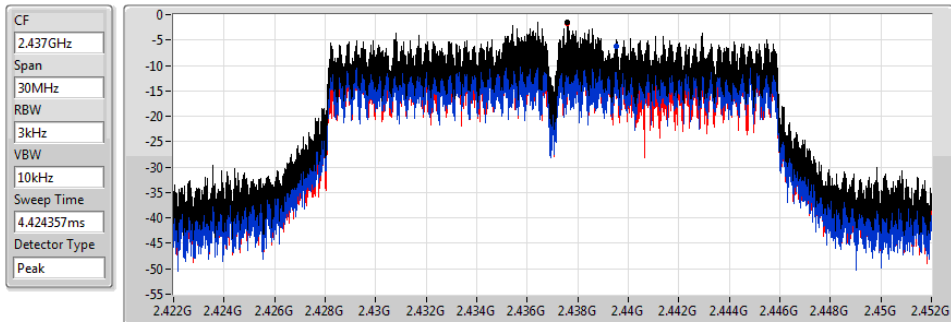
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.74	-7.74	-9.63	-10.35

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



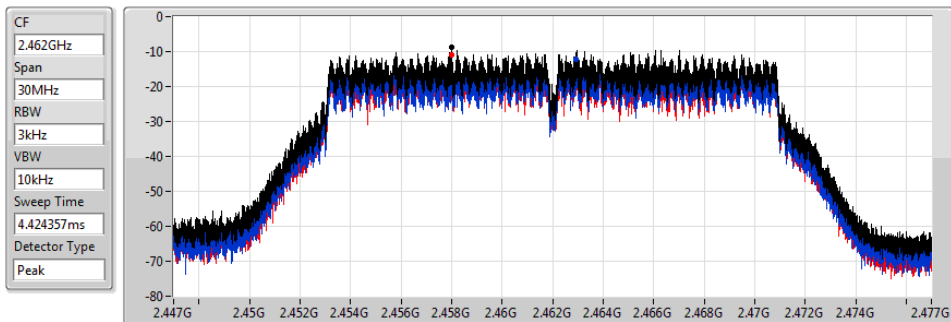
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-6.19	-1.78

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



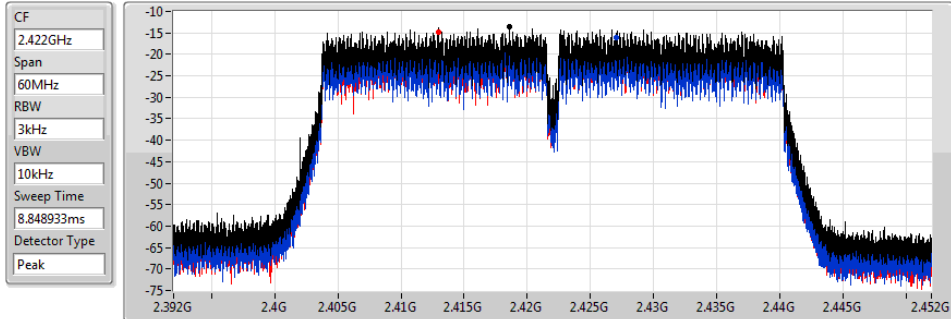
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.82	-8.82	-12.21	-10.91

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



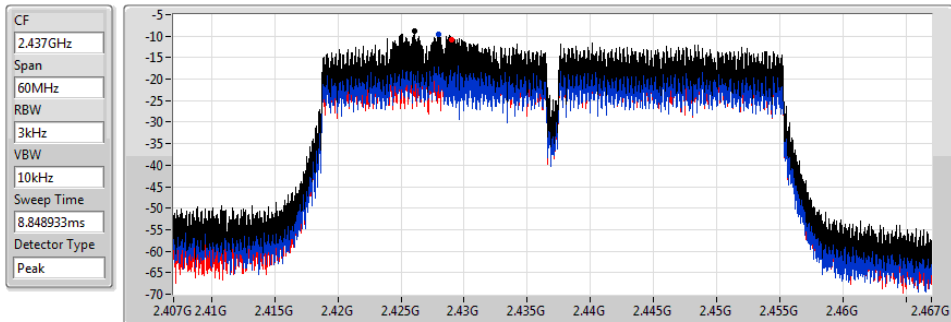
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.56	-13.56	-16.18	-14.84

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



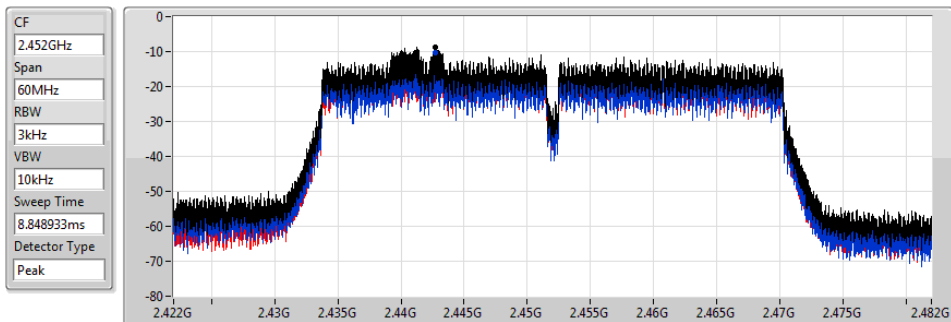
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.76	-8.76	-9.50	-10.77

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



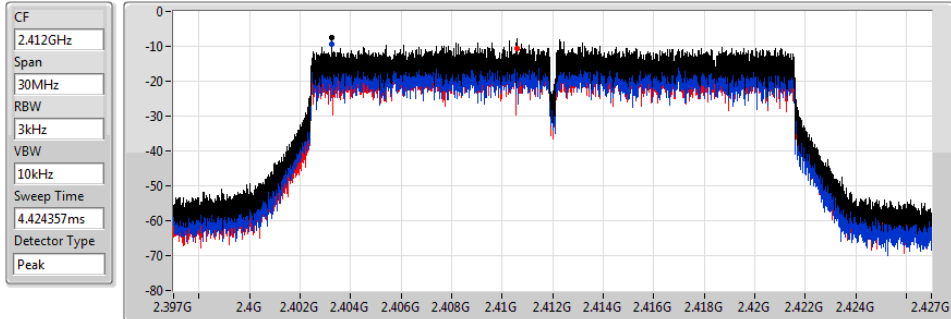
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.76	-8.76	-10.45	-10.34

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



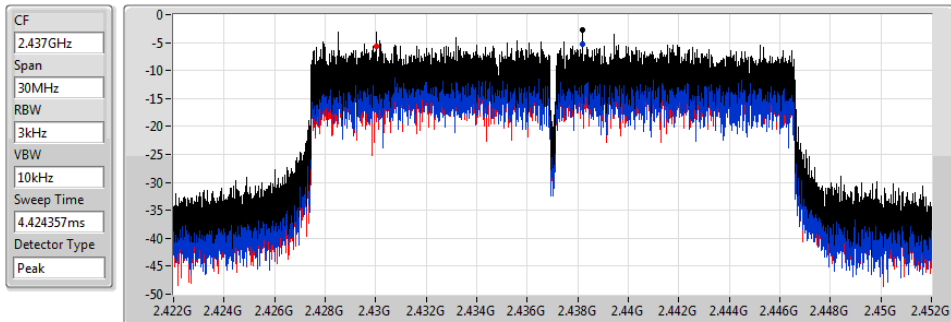
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.43	-7.43	-9.26	-10.58

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



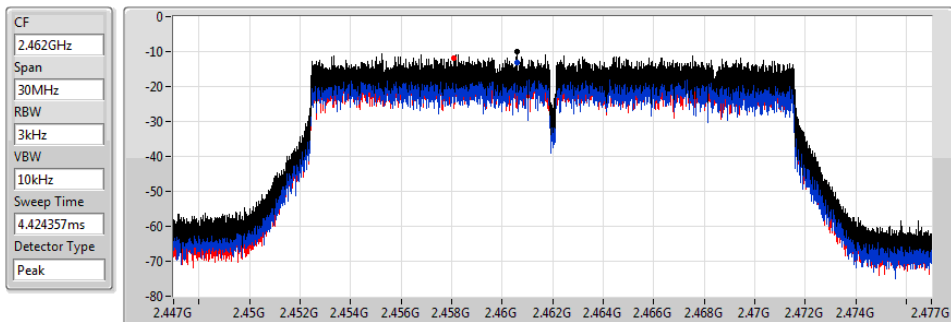
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.75	-2.75	-5.28	-5.75

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



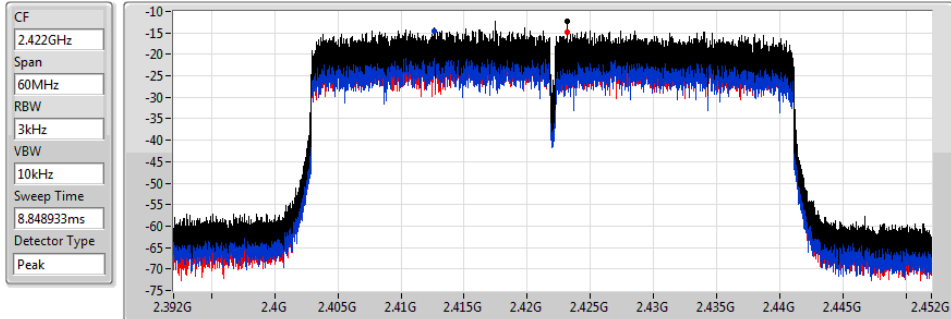
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.95	-9.95	-13.00	-11.94

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



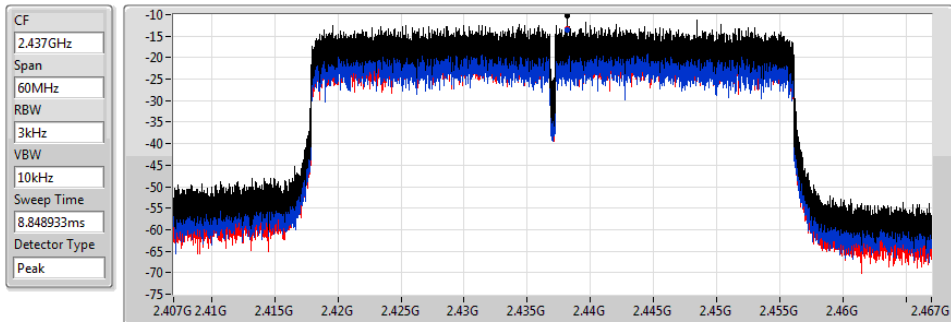
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.35	-12.35	-14.56	-14.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



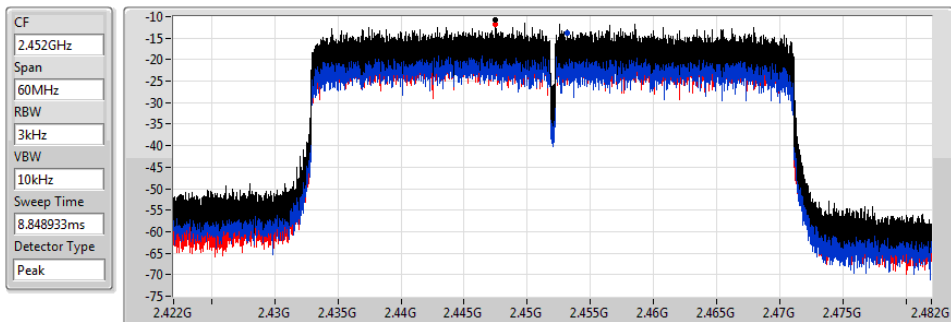
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.36	-10.36	-13.46	-13.28

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.79	-10.79	-13.90	-11.84



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-1.86
VHT40-BF_Nss1,(MCS0)_2TX	-10.16
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-4.47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-14.03

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	8.01	-6.69	-6.46	-4.60	5.99
2437MHz	Pass	8.01	-5.46	-4.35	-1.86	5.99
2462MHz	Pass	8.01	-11.03	-12.36	-8.63	5.99
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-13.00	-17.90	-12.86	5.99
2437MHz	Pass	8.01	-11.50	-15.31	-11.35	5.99
2452MHz	Pass	8.01	-10.63	-12.43	-10.16	5.99
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-12.50	-13.49	-10.34	5.99
2437MHz	Pass	8.01	-7.09	-7.80	-4.47	5.99
2462MHz	Pass	8.01	-12.81	-12.81	-9.80	5.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-16.61	-19.09	-15.71	5.99
2437MHz	Pass	8.01	-16.77	-17.59	-14.60	5.99
2452MHz	Pass	8.01	-16.60	-16.11	-14.03	5.99

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

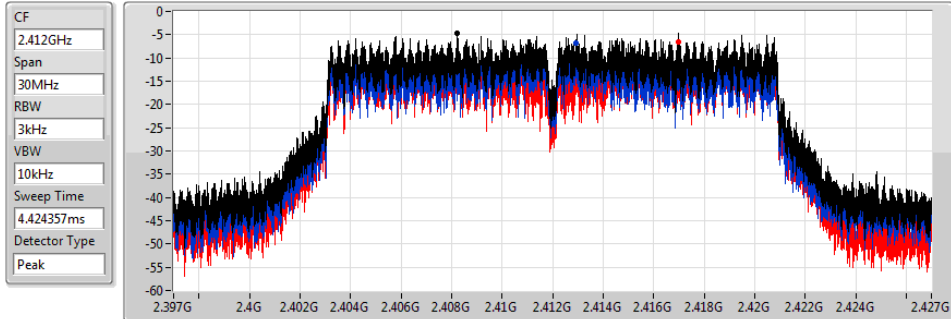
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



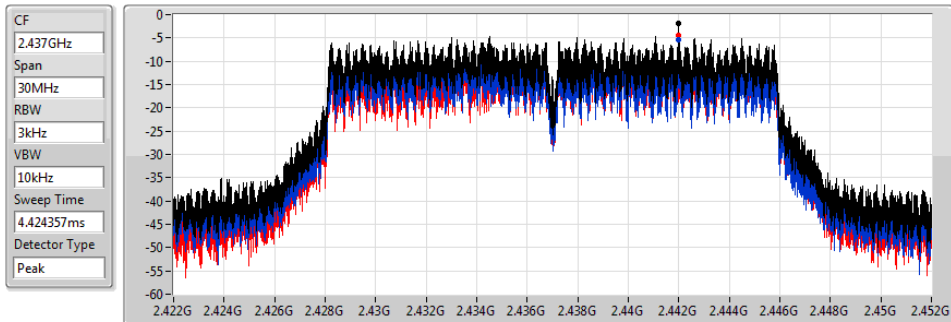
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-6.69	-6.46

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



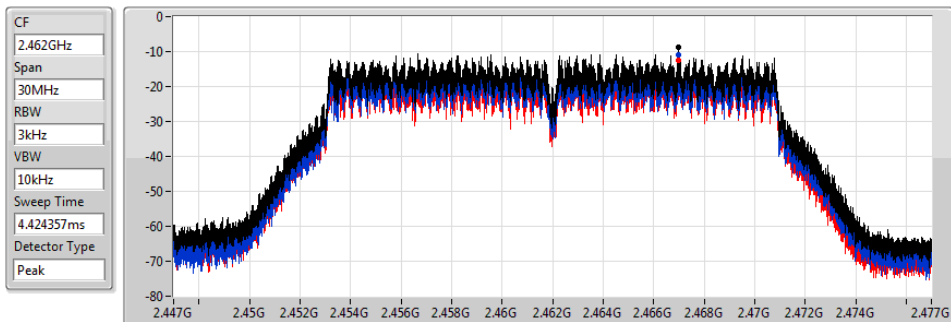
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.86	-1.86	-5.46	-4.35

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



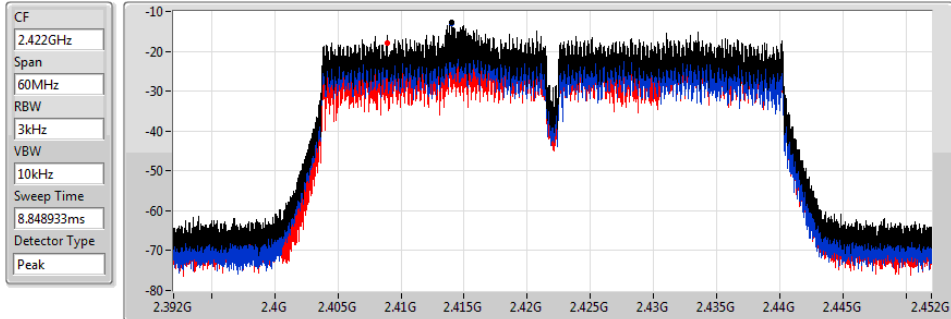
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.63	-8.63	-11.03	-12.36

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



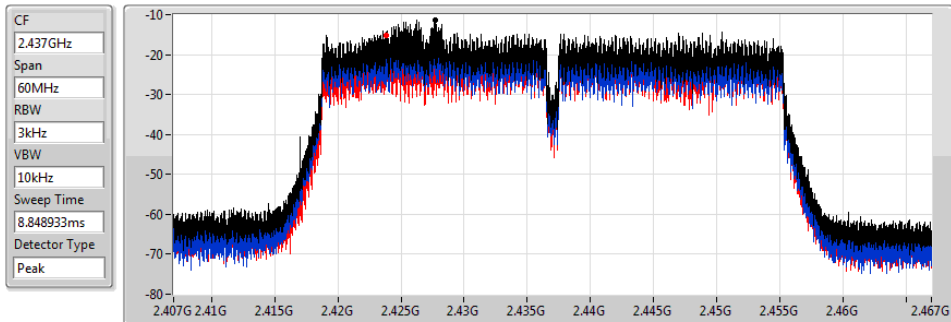
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.86	-12.86	-13.00	-17.90

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



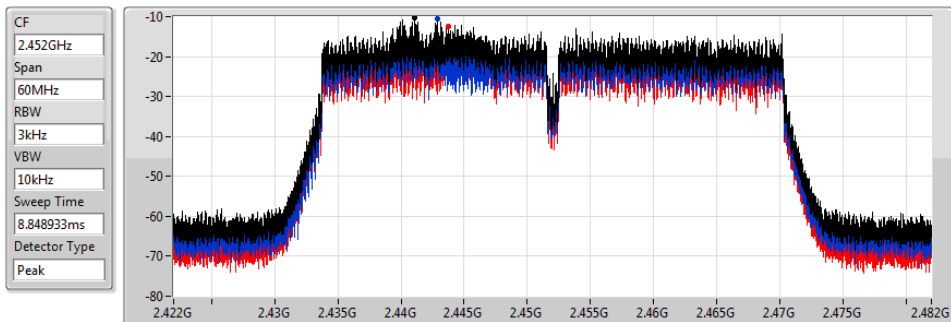
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.35	-11.35	-11.50	-15.31

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

04/12/2019



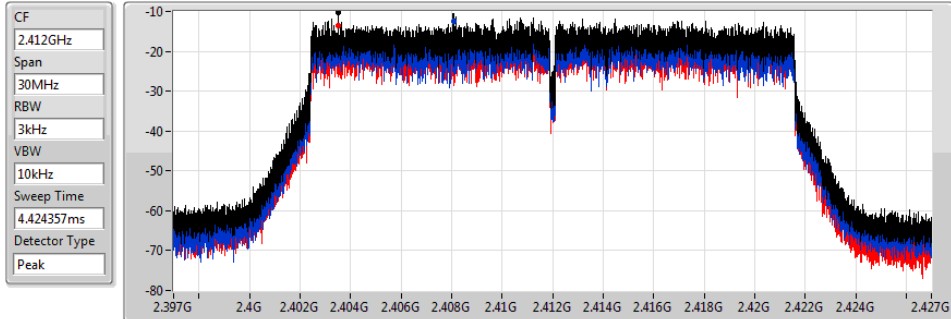
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.16	-10.16	-10.63	-12.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



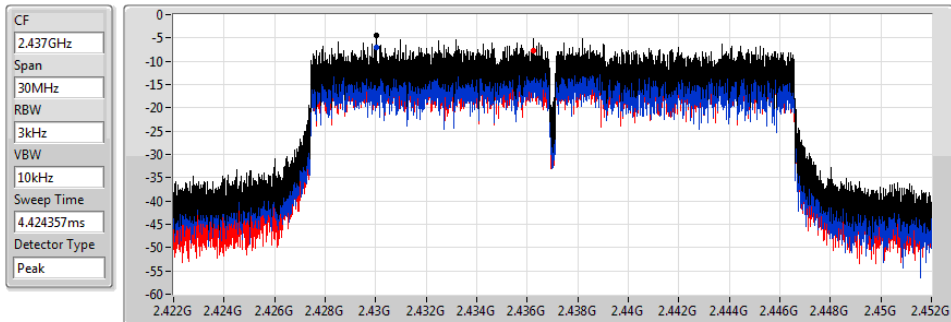
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-12.50	-13.49

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



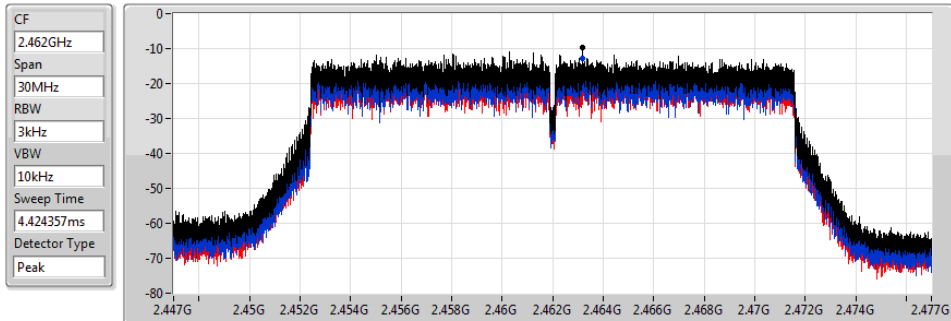
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-7.09	-7.80

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



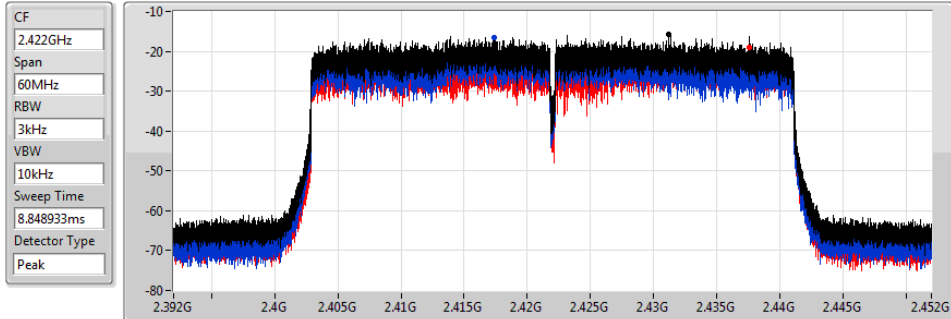
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.80	-9.80	-12.81	-12.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



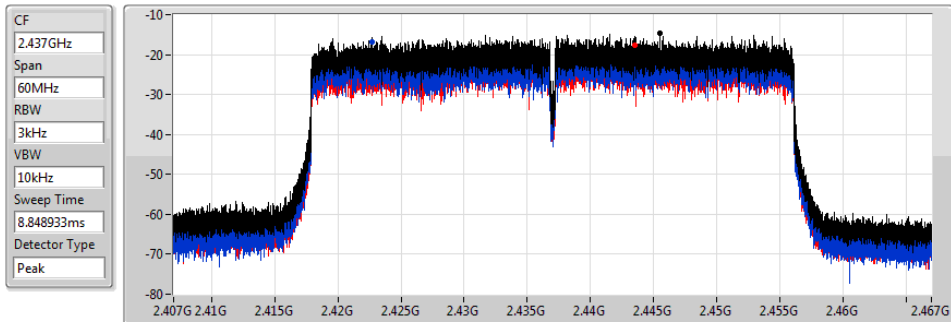
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.71	-15.71	-16.61	-19.09

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



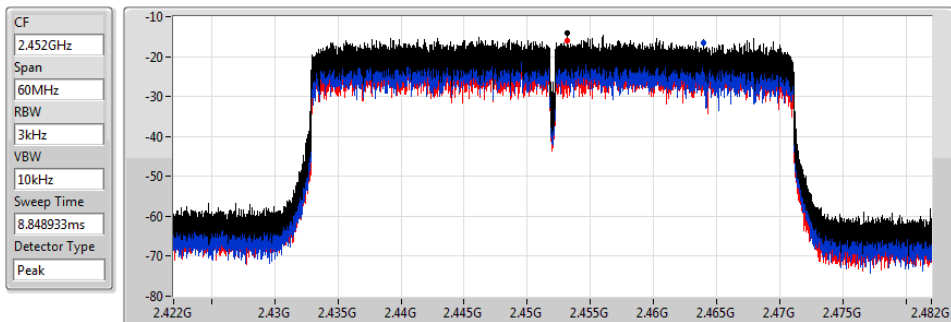
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.60	-14.60	-16.77	-17.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

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Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.03	-14.03	-16.60	-16.11



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-2.67
VHT40-BF_Nss1,(MCS0)_2TX	-12.04
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-6.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-12.94

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	-12.37	-13.95	-11.48	3.19
2437MHz	Pass	10.81	-5.90	-5.48	-2.67	3.19
2462MHz	Pass	10.81	-13.40	-13.79	-10.58	3.19
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-12.25	-17.67	-12.04	3.19
2437MHz	Pass	10.81	-12.42	-17.00	-12.21	3.19
2452MHz	Pass	10.81	-14.59	-12.69	-12.13	3.19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	-12.46	-12.23	-9.33	3.19
2437MHz	Pass	10.81	-8.56	-8.19	-6.00	3.19
2462MHz	Pass	10.81	-12.70	-14.59	-10.53	3.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	-17.89	-19.46	-16.86	3.19
2437MHz	Pass	10.81	-14.94	-15.30	-12.94	3.19
2452MHz	Pass	10.81	-15.93	-16.79	-13.59	3.19

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

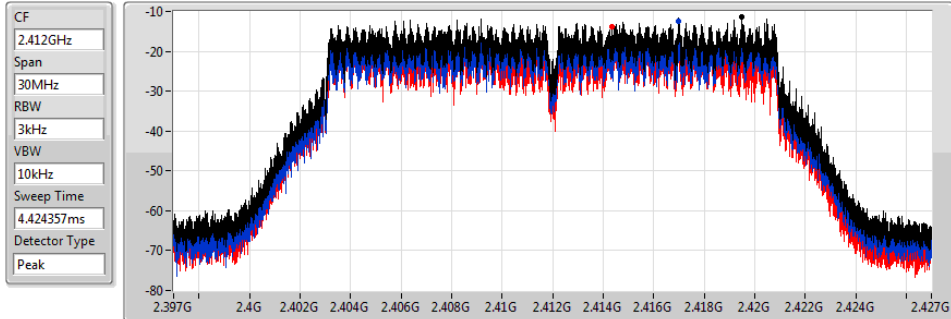
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

PSD

25/11/2019



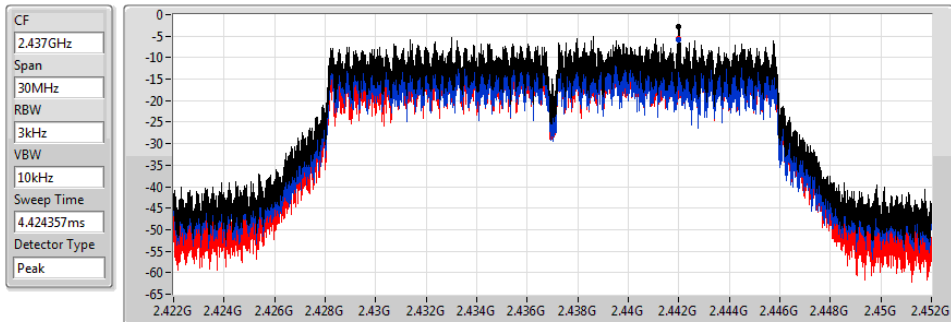
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.48	-11.48	-12.37	-13.95

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

25/11/2019



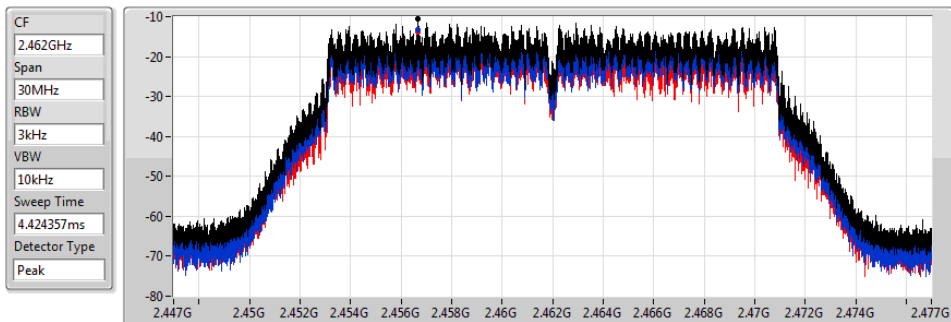
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.67	-2.67	-5.90	-5.48

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

PSD

25/11/2019



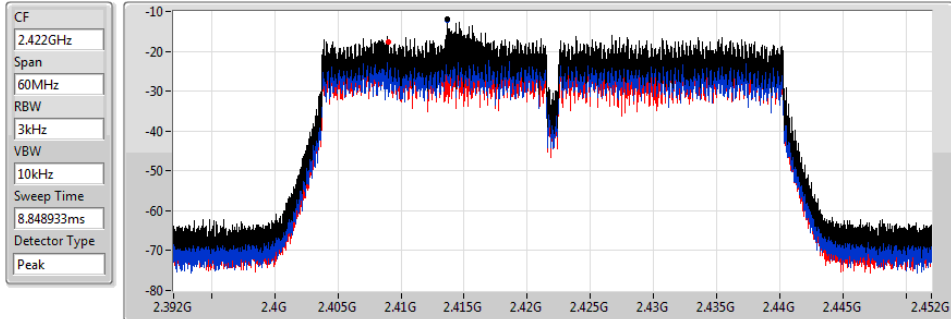
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.58	-10.58	-13.40	-13.79

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



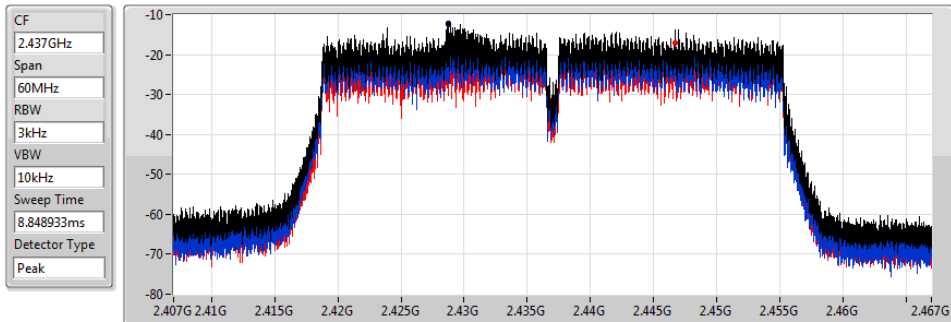
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.04	-12.04	-12.25	-17.67

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



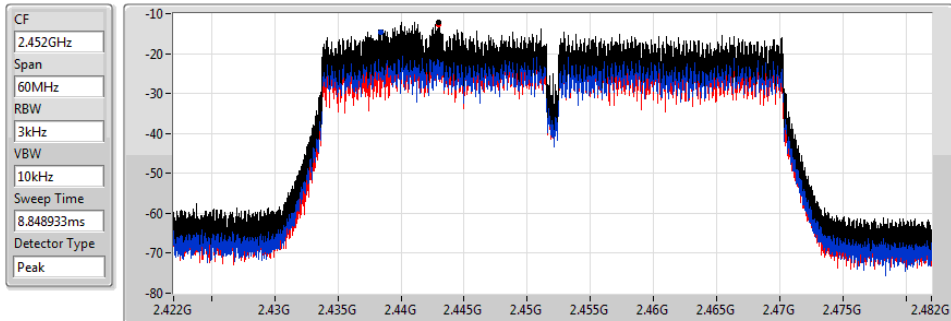
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.21	-12.21	-12.42	-17.00

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



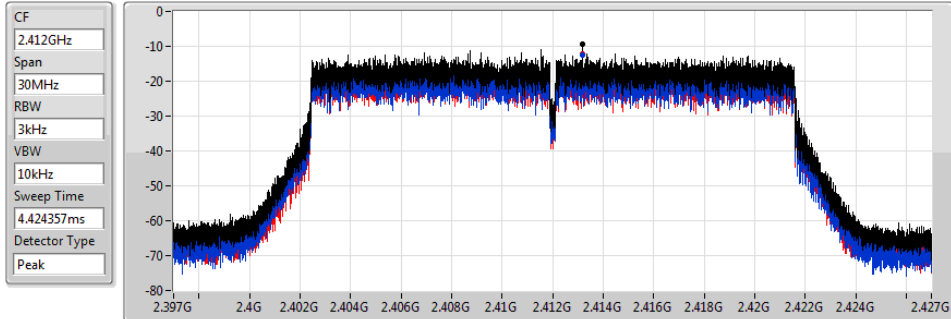
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.13	-12.13	-14.59	-12.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

04/12/2019



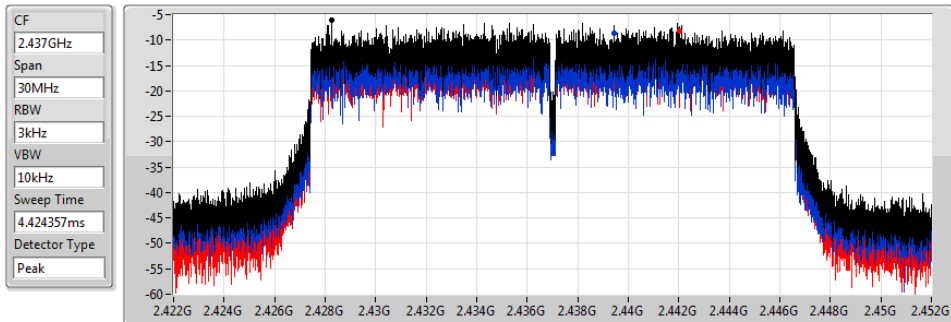
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-9.33	-9.33	-12.46	-12.23

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



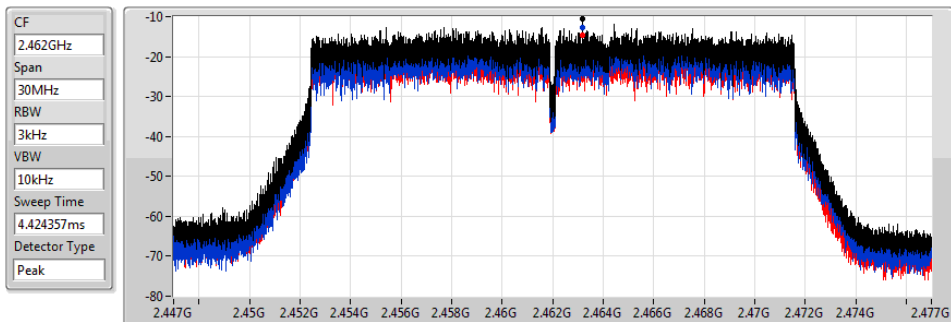
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-6.00	-6.00	-8.56	-8.19

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



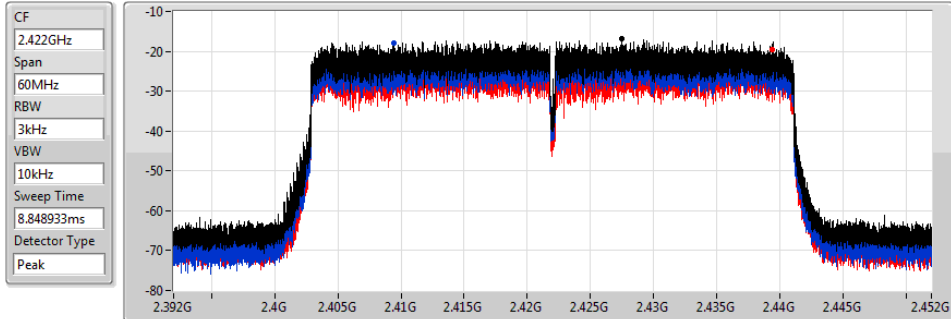
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-10.53	-10.53	-12.70	-14.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



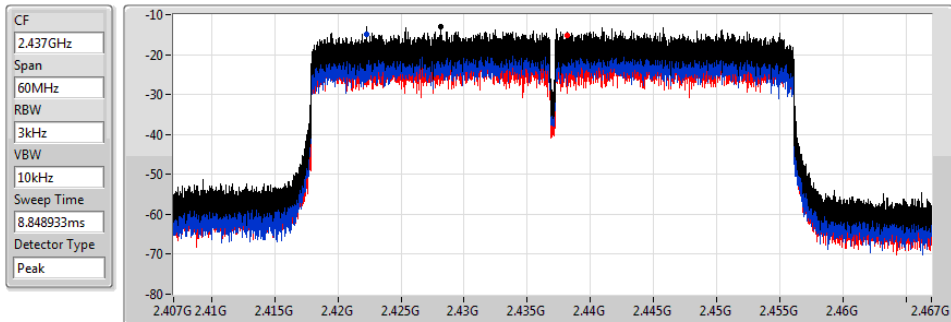
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.86	-16.86	-17.89	-19.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



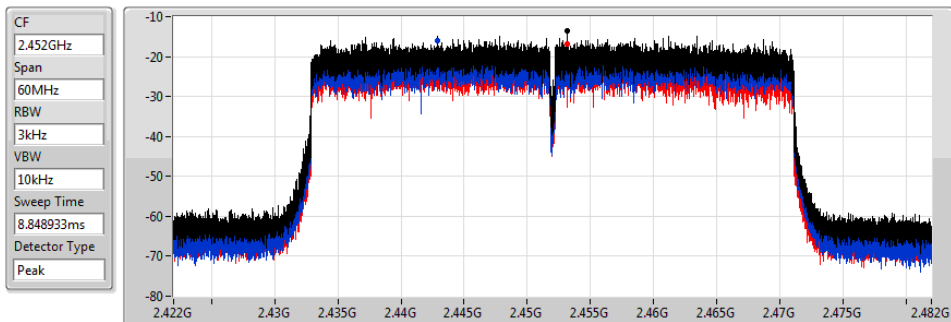
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.94	-12.94	-14.94	-15.30

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.59	-13.59	-15.93	-16.79



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-5.61
VHT40-BF_Nss1,(MCS0)_2TX	-9.91
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-6.64
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-12.48

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	13.51	-12.52	-14.04	-11.45	0.49
2437MHz	Pass	13.51	-8.52	-6.50	-5.61	0.49
2462MHz	Pass	13.51	-14.22	-13.90	-12.30	0.49
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-11.53	-12.54	-9.91	0.49
2437MHz	Pass	13.51	-14.69	-14.07	-12.05	0.49
2452MHz	Pass	13.51	-14.59	-12.69	-12.13	0.49
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	13.51	-12.30	-14.25	-10.90	0.49
2437MHz	Pass	13.51	-8.94	-8.98	-6.64	0.49
2462MHz	Pass	13.51	-13.90	-15.11	-11.81	0.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	13.51	-15.19	-17.58	-15.05	0.49
2437MHz	Pass	13.51	-14.17	-14.46	-12.48	0.49
2452MHz	Pass	13.51	-15.93	-16.79	-13.59	0.49

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

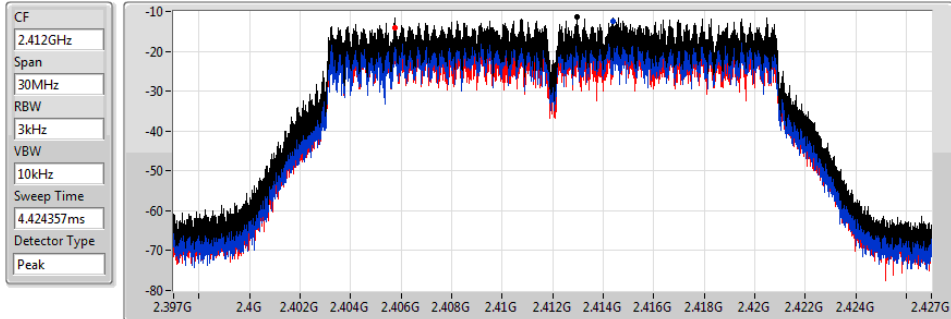
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



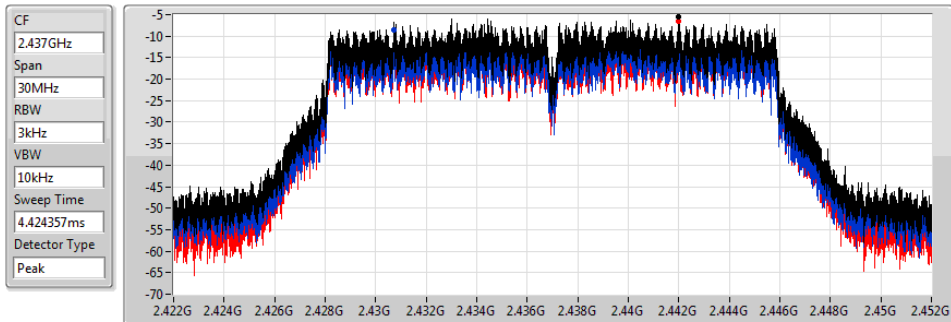
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.45	-11.45	-12.52	-14.04

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



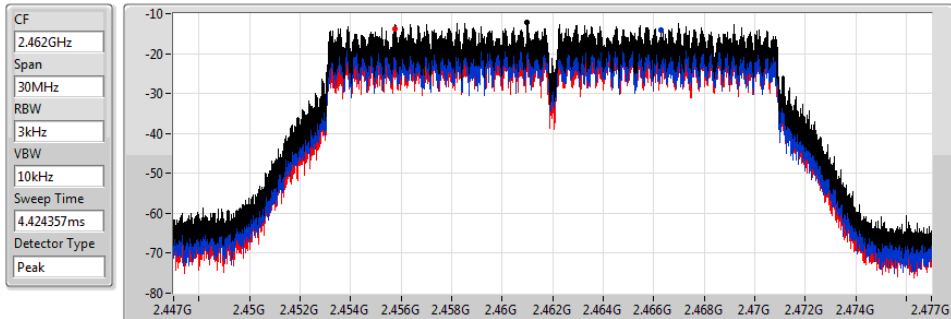
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.61	-5.61	-8.52	-6.50

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



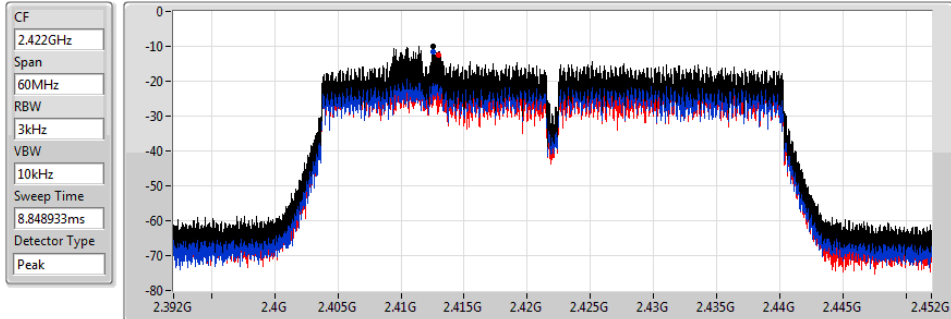
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.30	-12.30	-14.22	-13.90

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



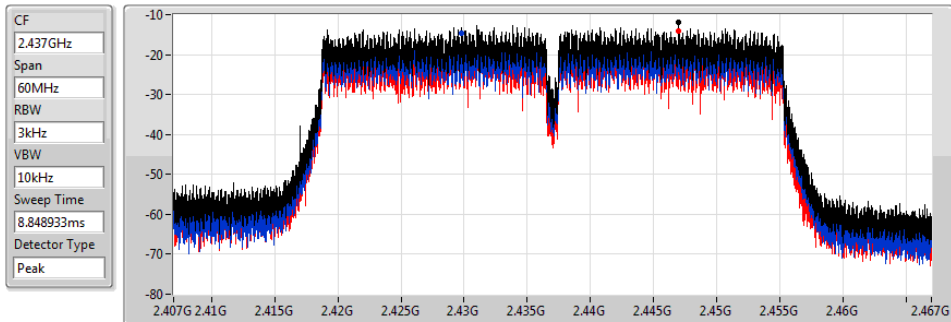
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.91	-9.91	-11.53	-12.54

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



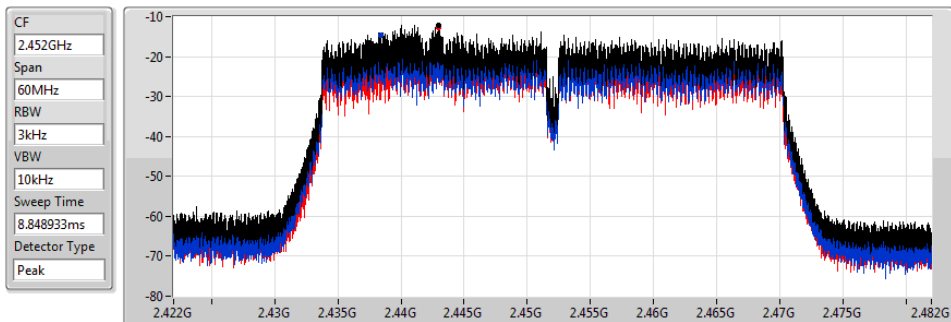
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.05	-12.05	-14.69	-14.07

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



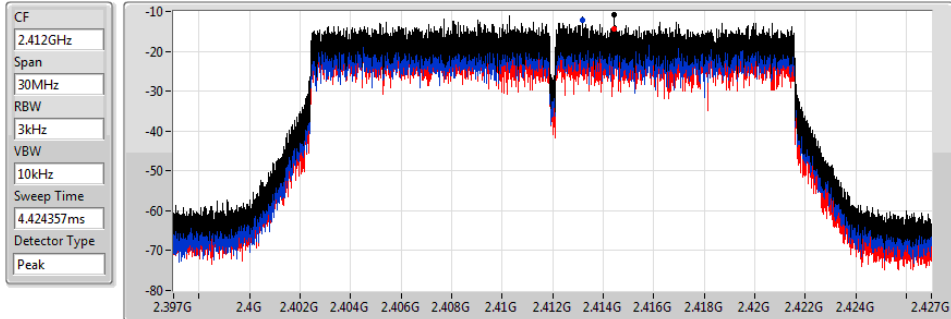
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.13	-12.13	-14.59	-12.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



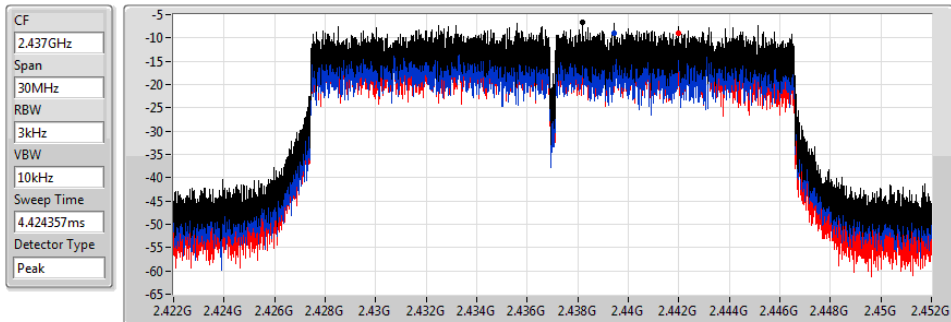
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.90	-10.90	-12.30	-14.25

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



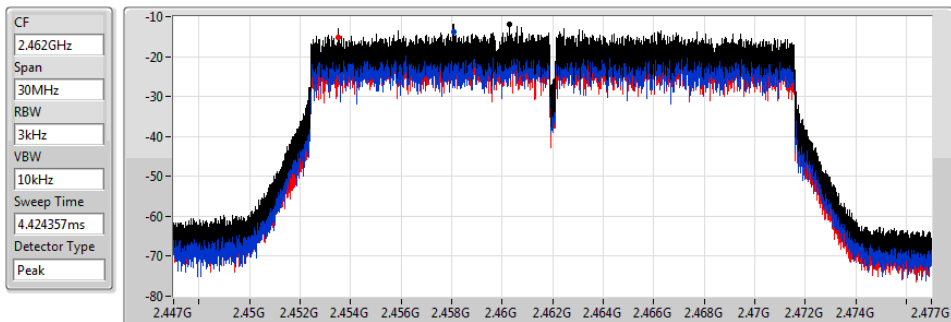
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.64	-6.64	-8.94	-8.98

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



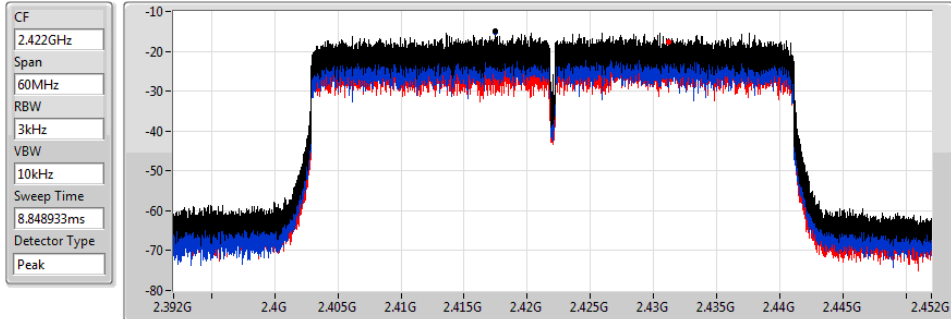
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.81	-11.81	-13.90	-15.11

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



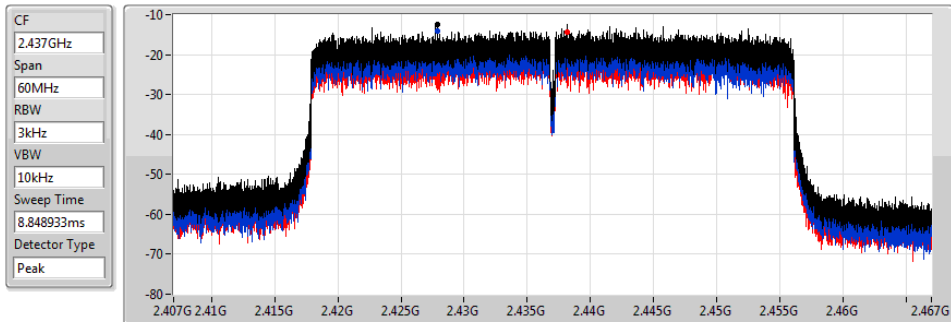
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.05	-15.05	-15.19	-17.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



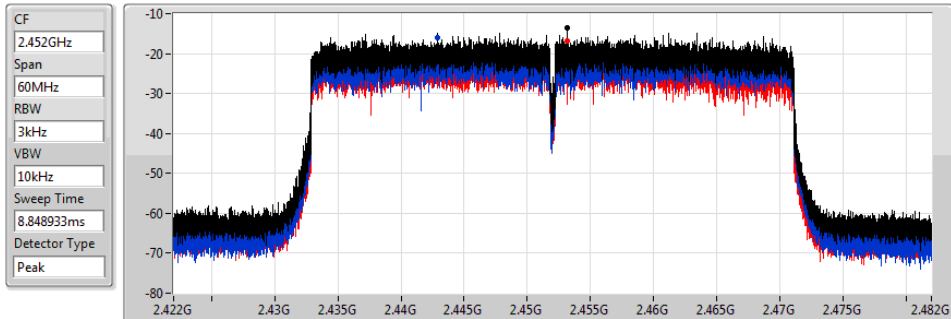
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.48	-12.48	-14.17	-14.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.59	-13.59	-15.93	-16.79

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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43753G	15.51	-14.49	2.30146G	-53.54	2.3999G	-27.99	2.4G	-31.27	2.48522G	-48.87	24.49147G	-38.31	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43202G	10.16	-19.84	2.15875G	-53.32	2.39544G	-28.49	2.4G	-32.32	2.4844G	-50.49	24.46618G	-37.49	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43077G	9.76	-20.24	2.13312G	-53.94	2.39956G	-29.89	2.4G	-34.93	2.49626G	-50.41	24.26951G	-38.22	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.44075G	3.59	-26.41	2.10531G	-53.95	2.39952G	-31.88	2.4G	-36.39	2.48426G	-36.43	23.4659G	-37.30	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43574G	9.54	-20.46	2.10487G	-53.36	2.3997G	-26.44	2.4G	-27.31	2.48846G	-49.60	24.07003G	-38.05	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43453G	3.62	-26.38	2.168G	-54.15	2.39832G	-32.03	2.4G	-36.57	2.4839G	-36.47	23.31165G	-38.45	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)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43753G	15.51	-14.49	2.30146G	-53.54	2.399G	-27.99	2.4G	-31.27	2.48522G	-48.87	24.49147G	-38.31	1
2437MHz_TnomVnom	Pass	2.43753G	15.51	-14.49	2.18205G	-53.24	2.39666G	-43.35	2.4G	-44.72	2.4856G	-43.76	24.19366G	-38.40	1
2462MHz_TnomVnom	Pass	2.43753G	15.51	-14.49	2.01021G	-53.89	2.39996G	-49.09	2.4835G	-43.14	2.49152G	-39.20	24.39594G	-37.84	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43202G	10.16	-19.84	2.15875G	-53.32	2.39544G	-28.49	2.4G	-32.32	2.4844G	-50.49	24.46618G	-37.49	1
2437MHz_TnomVnom	Pass	2.43202G	10.16	-19.84	2.10749G	-54.07	2.39982G	-36.42	2.4G	-39.46	2.48488G	-40.18	24.54485G	-37.85	1
2462MHz_TnomVnom	Pass	2.43202G	10.16	-19.84	1.94584G	-52.94	2.39188G	-50.76	2.4835G	-46.49	2.48394G	-38.32	23.48284G	-38.69	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43077G	9.76	-20.24	2.13312G	-53.94	2.39956G	-29.89	2.4G	-34.93	2.49626G	-50.41	24.26951G	-38.22	1
2437MHz_TnomVnom	Pass	2.43077G	9.76	-20.24	2.30641G	-52.74	2.39486G	-36.18	2.4G	-38.94	2.48418G	-40.51	24.39594G	-38.28	1
2462MHz_TnomVnom	Pass	2.43077G	9.76	-20.24	2.06496G	-53.74	2.39288G	-52.12	2.4835G	-48.59	2.49026G	-46.85	24.55047G	-37.95	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.44075G	3.59	-26.41	2.30569G	-53.20	2.39672G	-36.56	2.4G	-41.72	2.48422G	-46.80	24.16985G	-38.55	1
2437MHz_TnomVnom	Pass	2.44075G	3.59	-26.41	2.10531G	-53.95	2.39952G	-31.88	2.4G	-36.39	2.48426G	-36.43	23.4659G	-37.30	1
2452MHz_TnomVnom	Pass	2.44075G	3.59	-26.41	2.30512G	-54.30	2.39732G	-44.35	2.4835G	-40.04	2.48638G	-33.48	24.09413G	-37.81	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43574G	9.54	-20.46	2.10487G	-53.36	2.3997G	-26.44	2.4G	-27.31	2.48846G	-49.60	24.07003G	-38.05	1
2437MHz_TnomVnom	Pass	2.43574G	9.54	-20.46	2.16166G	-53.97	2.39876G	-35.20	2.4G	-37.15	2.48474G	-38.96	24.23299G	-38.30	1
2462MHz_TnomVnom	Pass	2.43574G	9.54	-20.46	2.30379G	-53.84	2.39466G	-51.61	2.4835G	-47.98	2.48408G	-38.01	23.53903G	-38.58	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43453G	3.62	-26.38	2.30569G	-53.47	2.39932G	-37.36	2.4G	-40.16	2.48682G	-46.05	24.4447G	-37.97	1
2437MHz_TnomVnom	Pass	2.43453G	3.62	-26.38	2.168G	-54.15	2.39832G	-32.03	2.4G	-36.57	2.4839G	-36.47	23.31165G	-38.45	1
2452MHz_TnomVnom	Pass	2.43453G	3.62	-26.38	2.30655G	-52.99	2.39804G	-45.97	2.4835G	-40.79	2.48426G	-34.62	24.50359G	-38.37	1

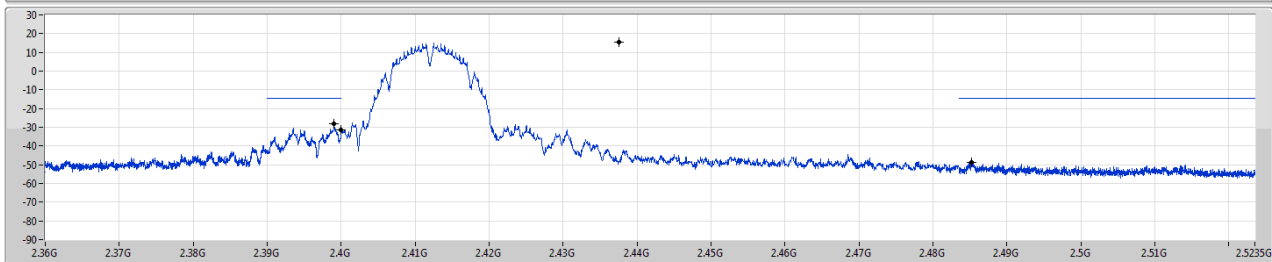
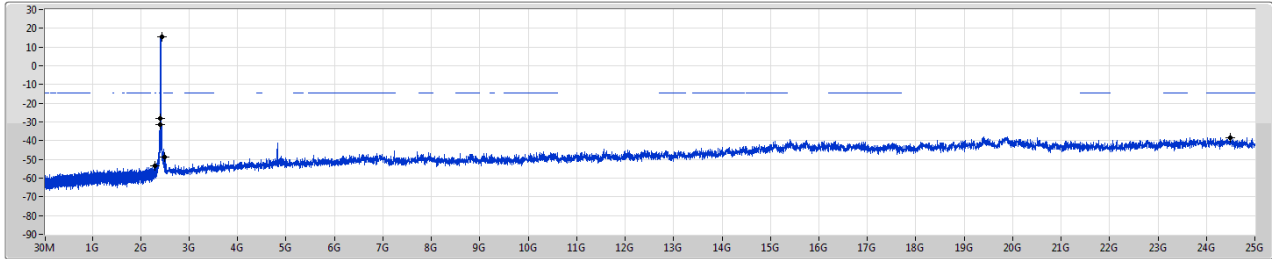
802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSE NdB

08/11/2019

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)	Freq(Hz)	Level(dBm)	Port
2.43753G	15.51	-14.49	2.30146G	-53.54	2.3996G	-27.99	2.4G	-31.27	2.48522G	-48.87	2.49147G	-38.31	1

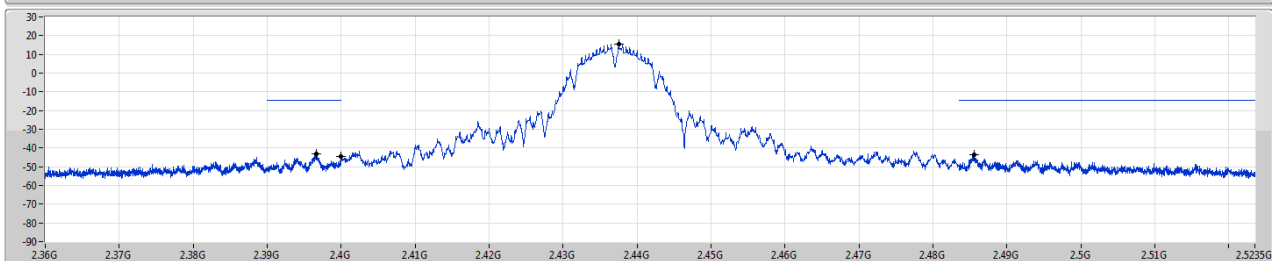
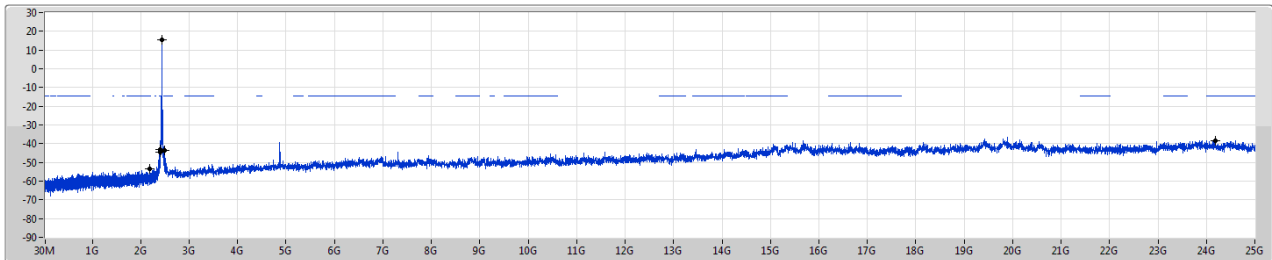
802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSE NdB

08/11/2019

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)	Freq(Hz)	Level(dBm)	Port
2.43753G	15.51	-14.49	2.18205G	-53.24	2.39666G	-43.35	2.4G	-44.72	2.4856G	-43.76	2.49366G	-38.40	1

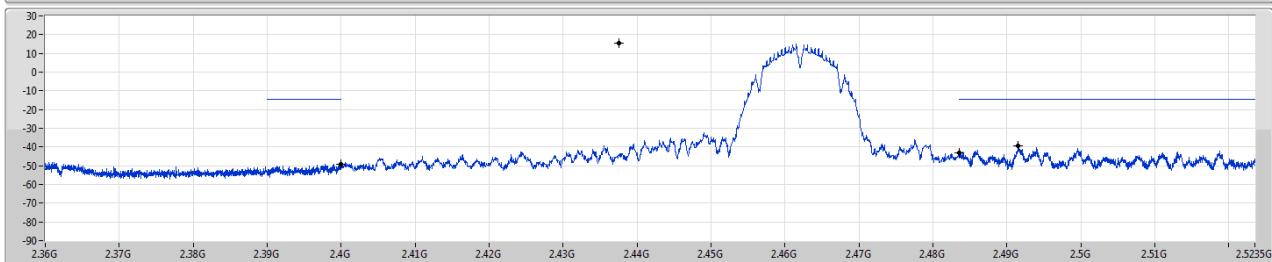
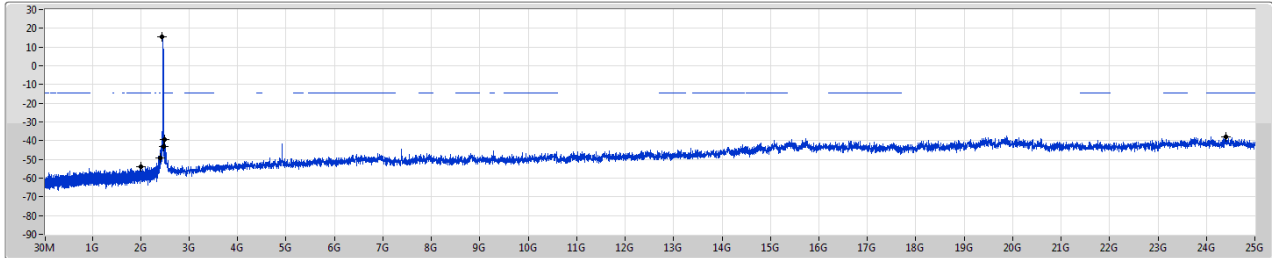
802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSE NdB

08/11/2019

Port 1



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)	Freq(Hz)	Level(dBm)	Port
2.43753G	15.51	-14.49	2.01021G	-53.89	2.39996G	-49.09	2.4835G	-43.14	2.49152G	-39.20	2.439594G	-37.84	1

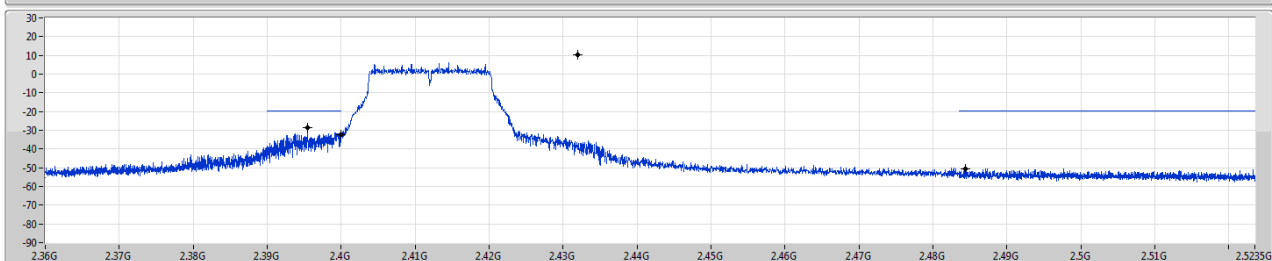
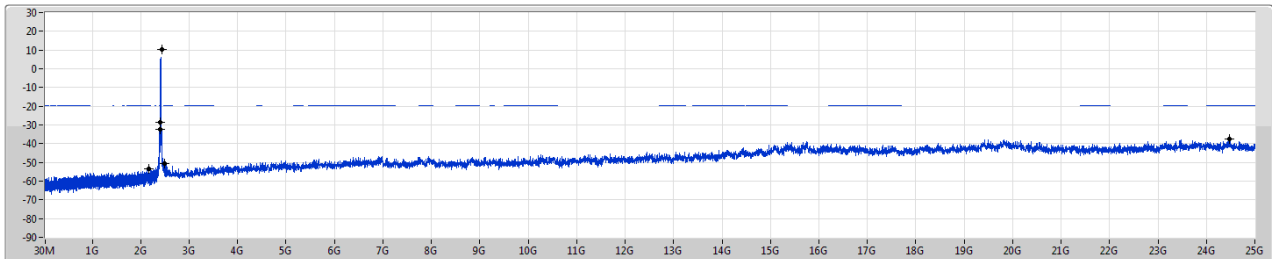
802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

08/11/2019

Port 1



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)	Freq(Hz)	Level(dBm)	Port
2.43202G	10.16	-19.84	2.15875G	-53.32	2.39544G	-28.49	2.4G	-32.32	2.4844G	-50.49	2.46618G	-37.49	1

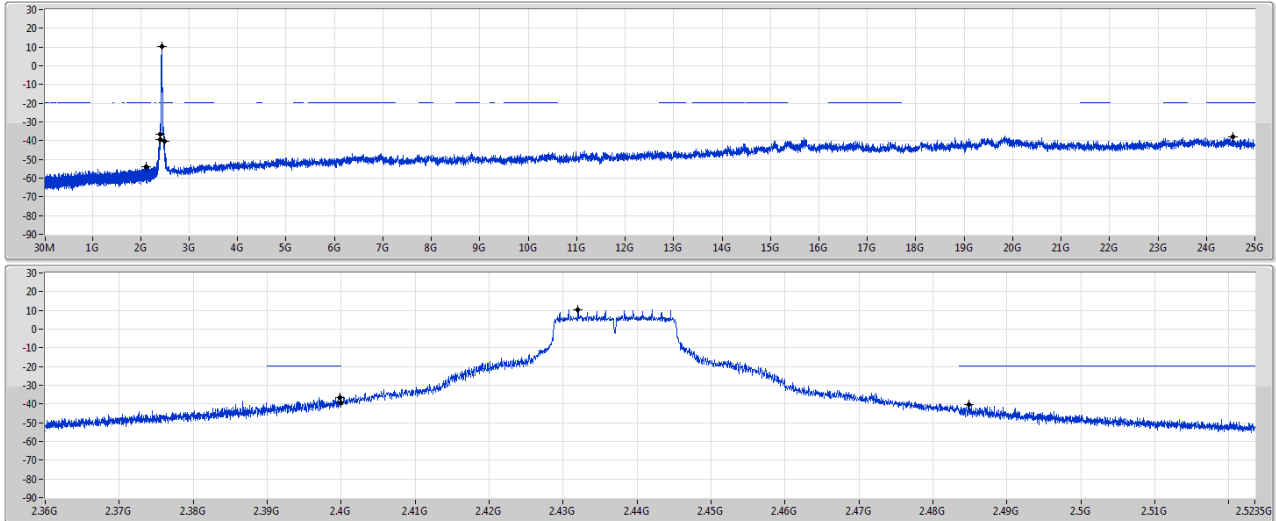
802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	10.16	-19.84	2.10749G	-54.07	2.39982G	-36.42	2.4G	-39.46	2.48488G	-40.18	2.54485G	-37.85	1

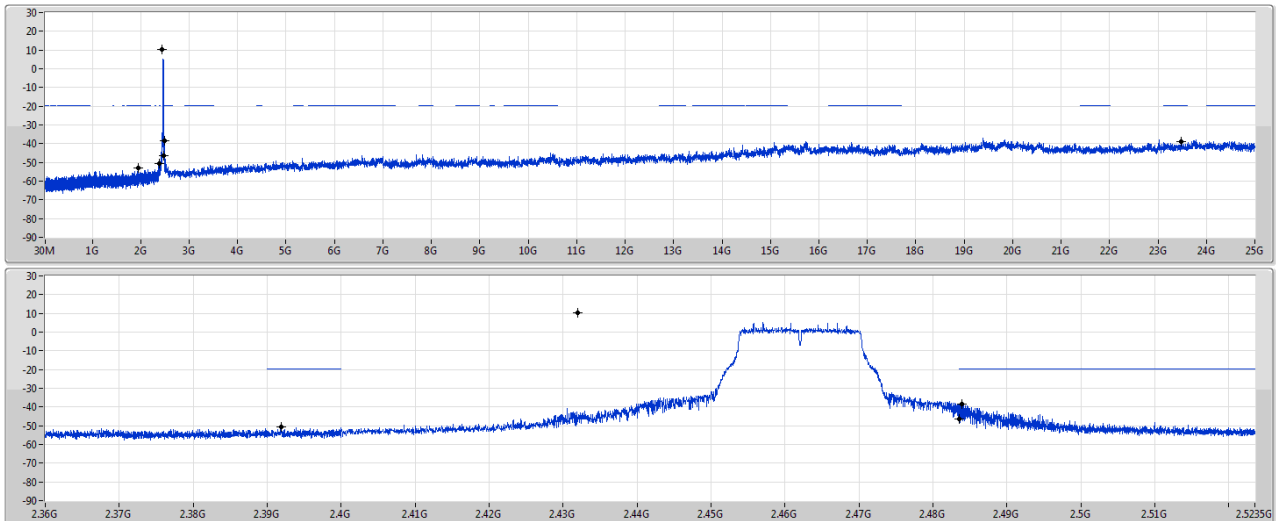
802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43202G	10.16	-19.84	1.94584G	-52.94	2.39188G	-50.76	2.4835G	-46.49	2.48394G	-38.32	2.548284G	-38.69	1

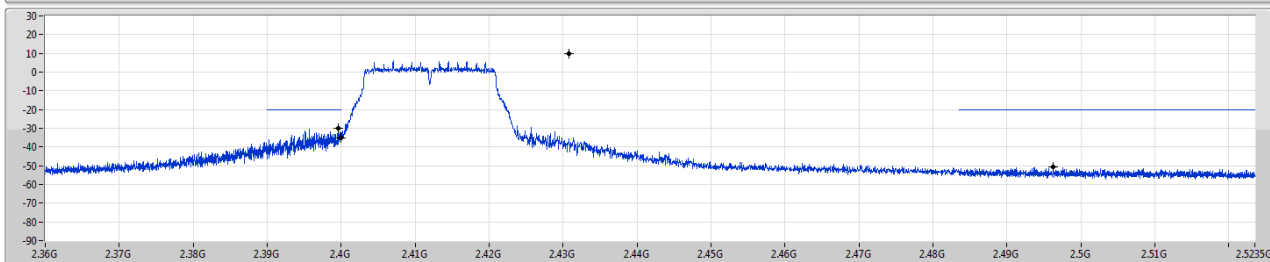
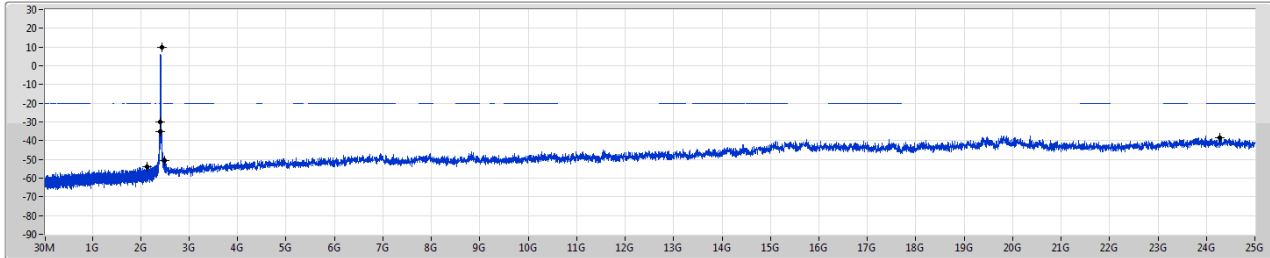
VHT20_Nss1,(MCS0)_1TX

2412MHz

CSE NdB

08/11/2019

Port 1



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)	Freq(Hz)	Level(dBm)	Port
2.43077G	9.76	-20.24	2.13312G	-53.94	2.39956G	-29.89	2.4G	-34.93	2.49626G	-50.41	2.46951G	-38.22	1

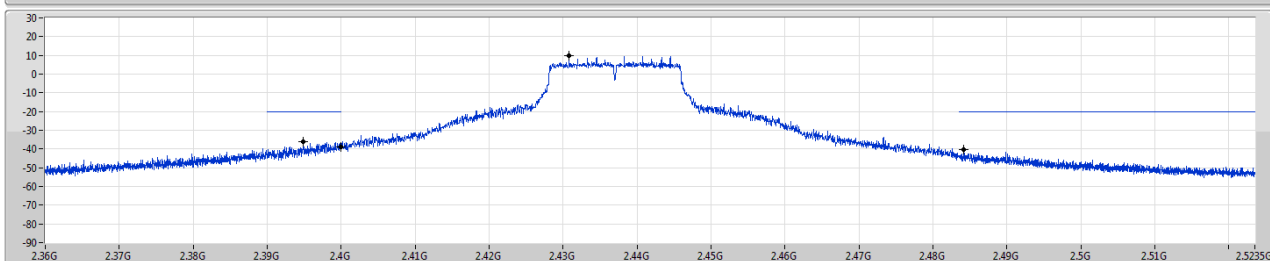
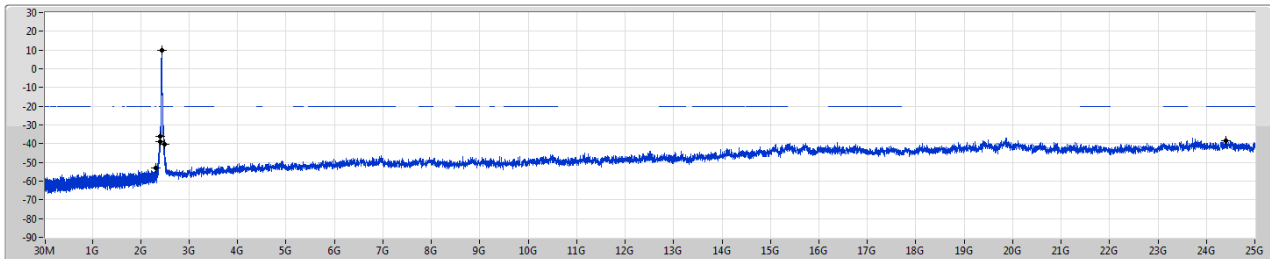
VHT20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1



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

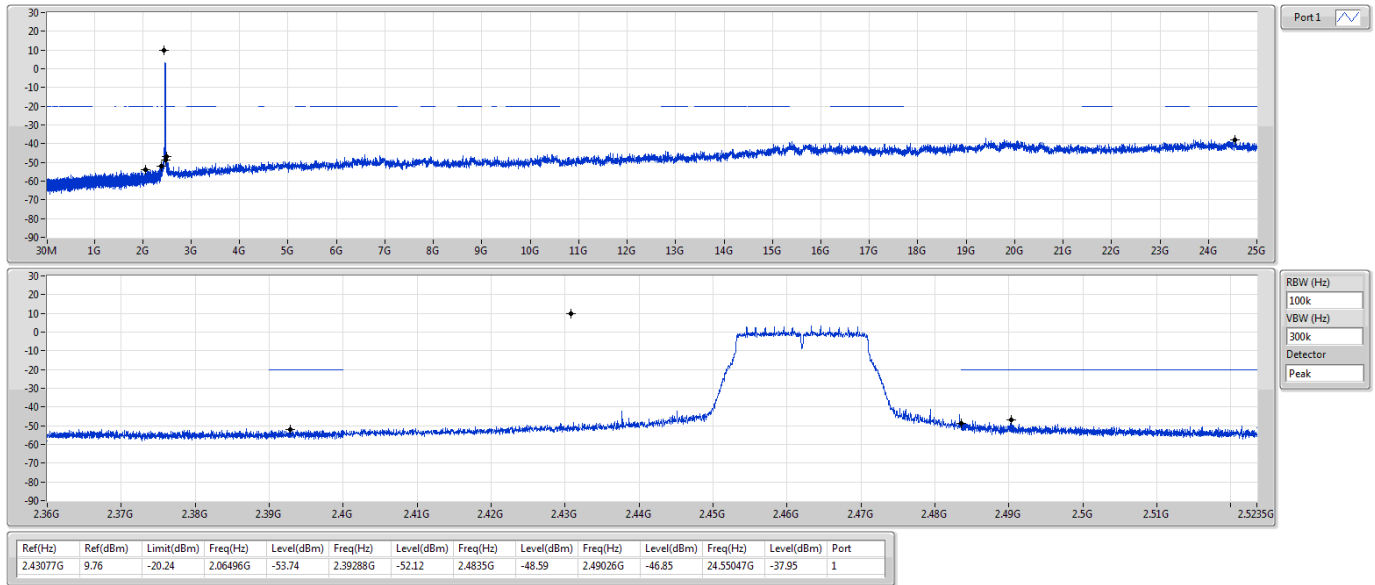
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2.43077G	9.76	-20.24	2.30641G	-52.74	2.39486G	-36.18	2.4G	-38.94	2.48418G	-40.51	2.439594G	-38.28	1

VHT20_Nss1,(MCS0)_1TX

2462MHz

CSE NdB

08/11/2019

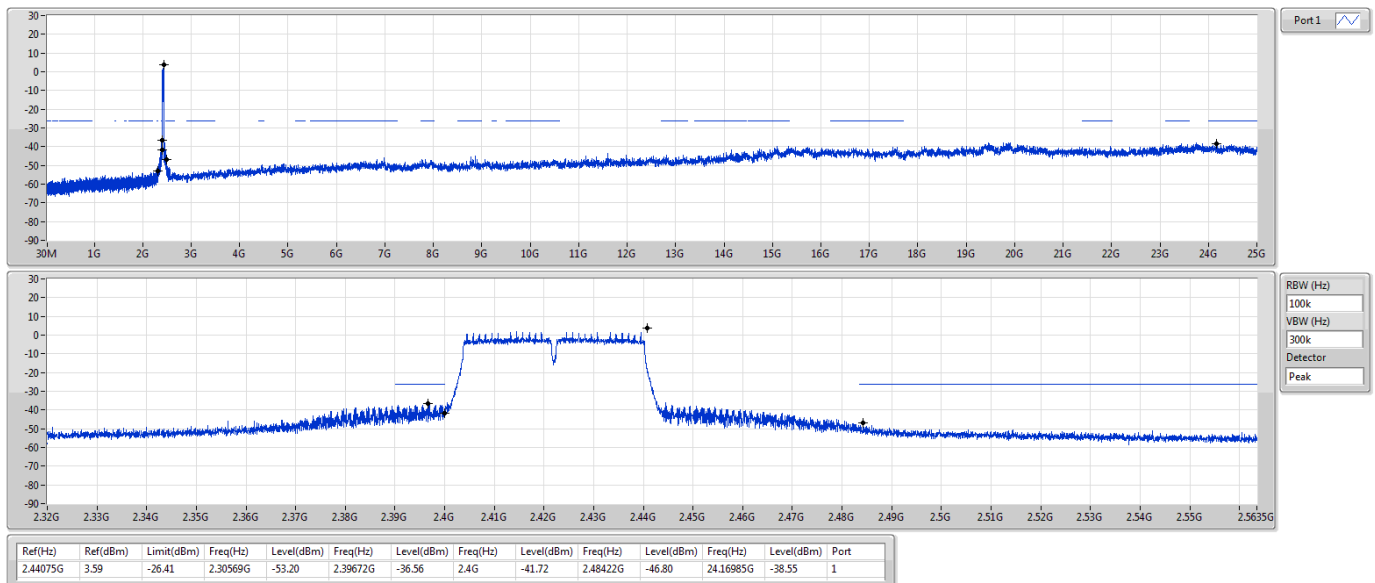


VHT40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB

08/11/2019



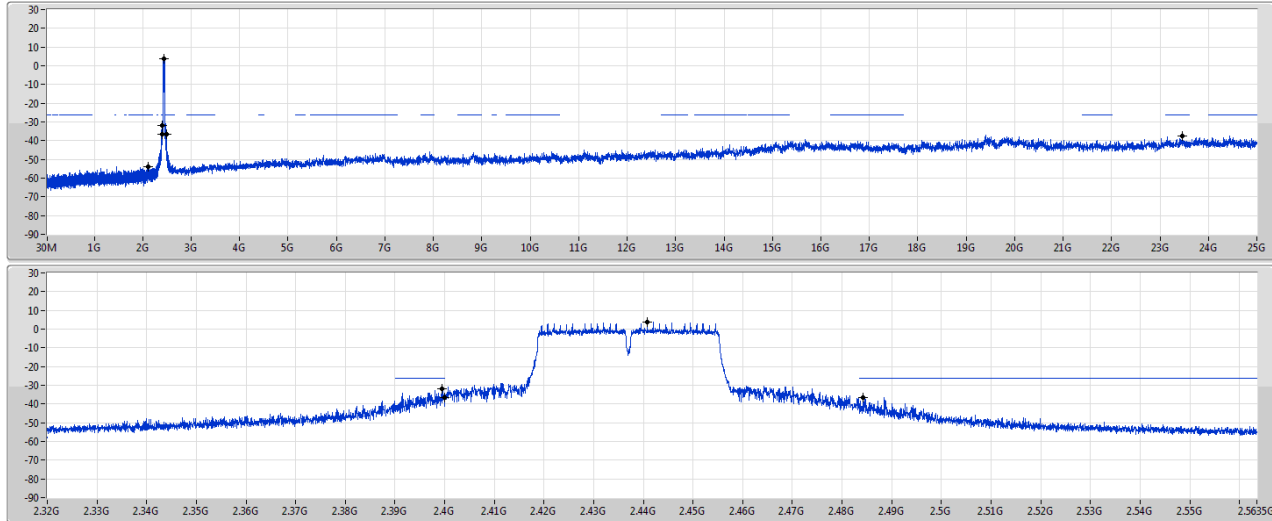
VHT40_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1 



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	3.59	-26.41	2.10531G	-53.95	2.39952G	-31.88	2.4G	-36.39	2.48426G	-36.43	2.4659G	-37.30	1

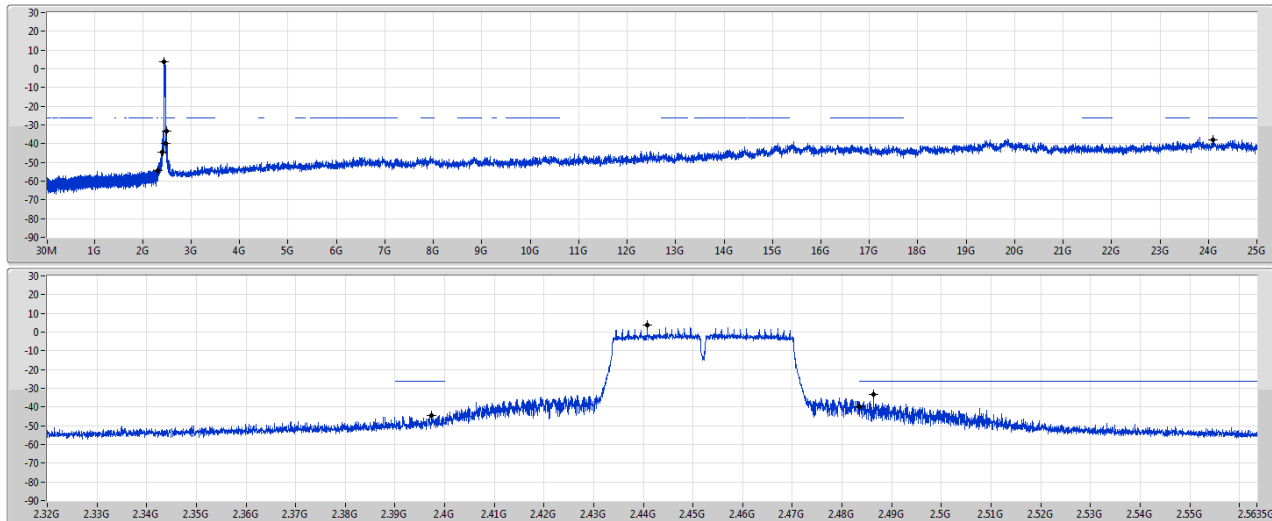
VHT40_Nss1,(MCS0)_1TX

2452MHz

CSE NdB

08/11/2019

Port 1 

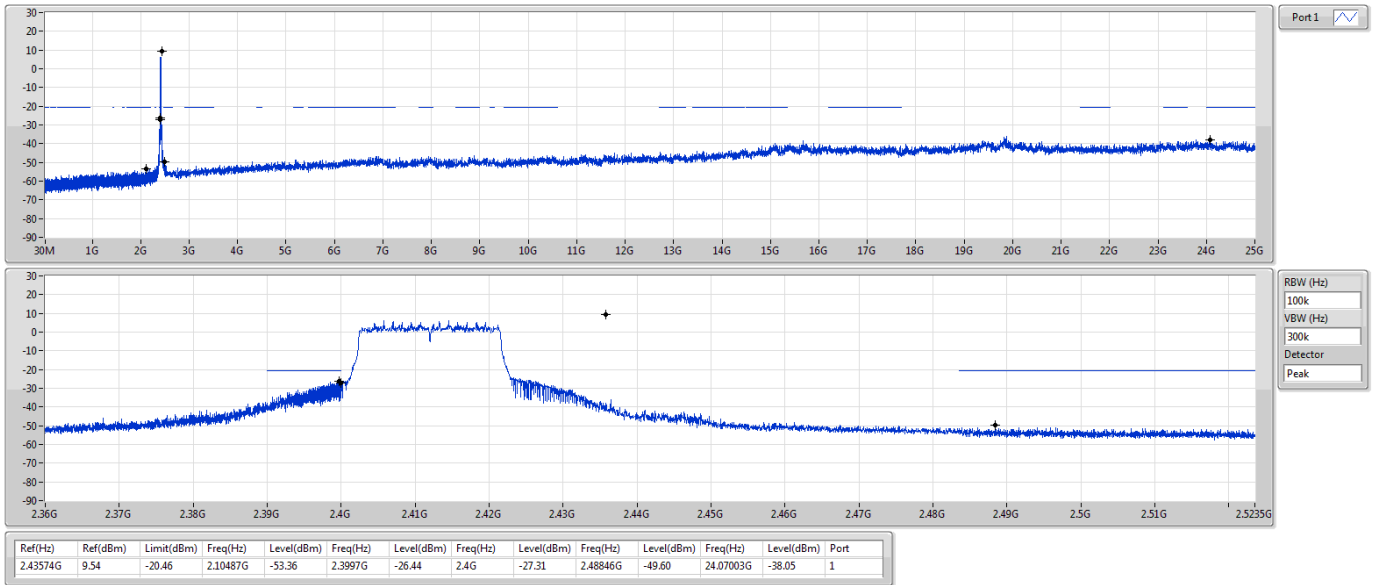


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	3.59	-26.41	2.30512G	-54.30	2.39732G	-44.35	2.4835G	-40.04	2.48638G	-33.48	2.409413G	-37.81	1

802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz

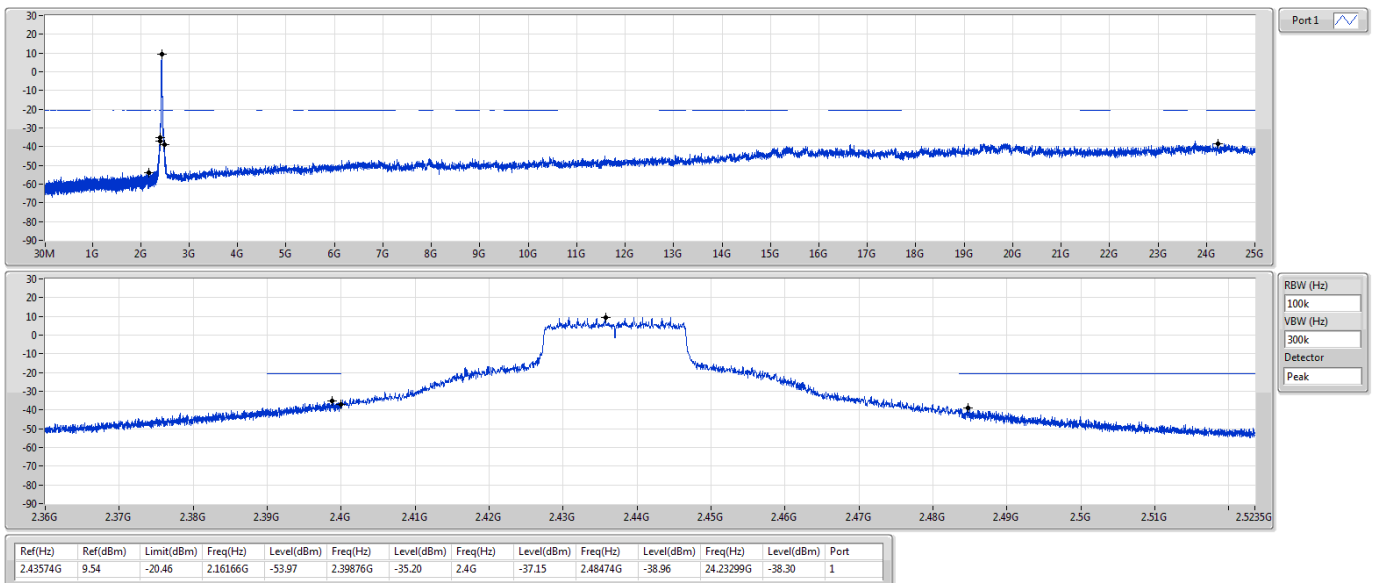
CSE NdB



802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB



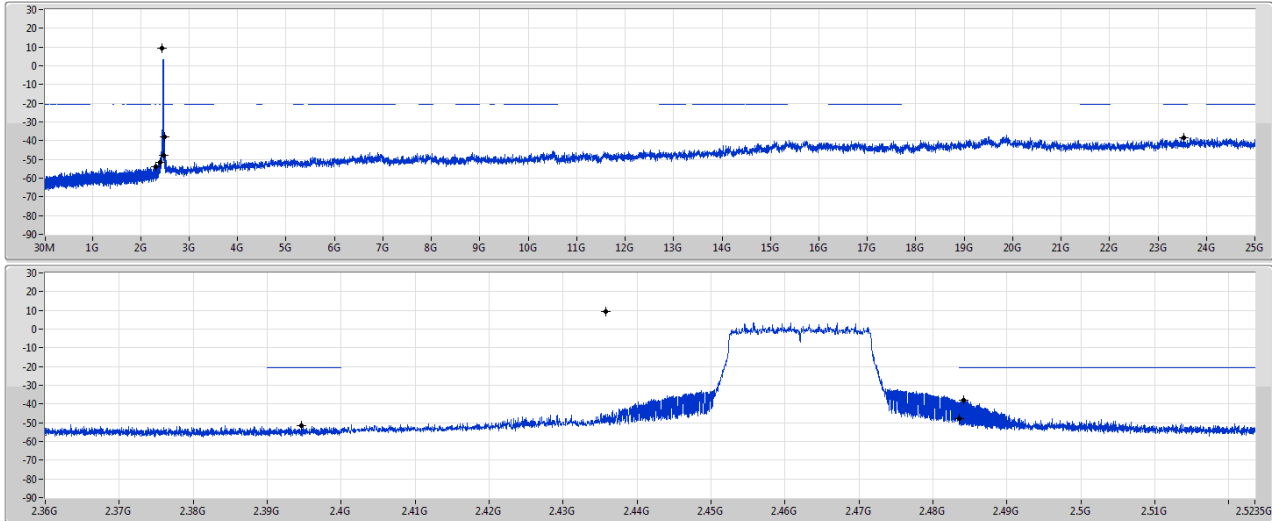
802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	9.54	-20.46	2.30379G	-53.84	2.39466G	-51.61	2.4835G	-47.98	2.48408G	-38.01	2.53903G	-38.58	1

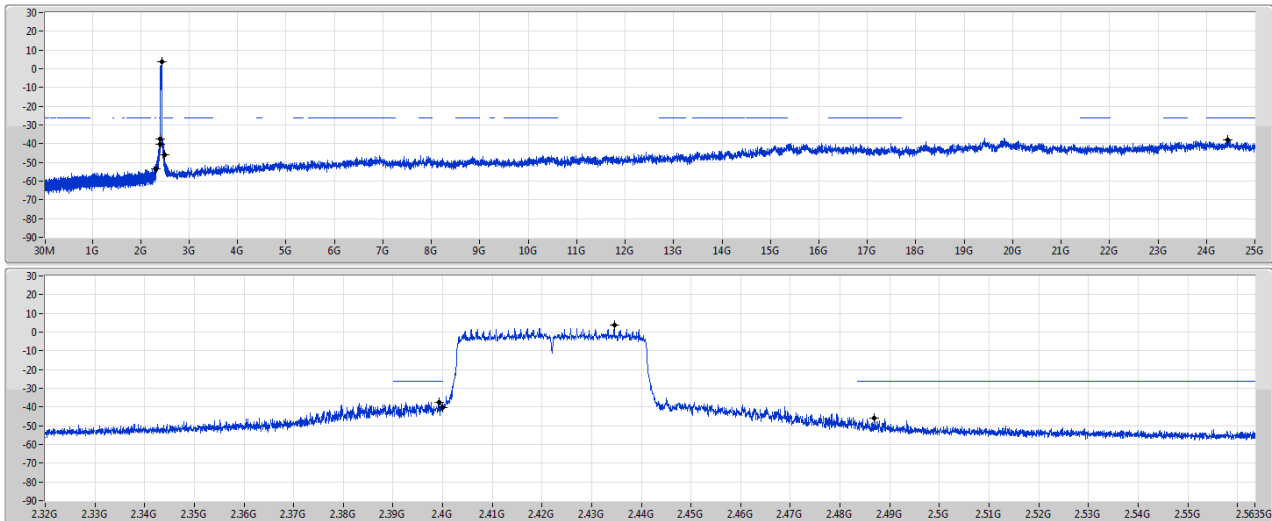
802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43453G	3.62	-26.38	2.30569G	-53.47	2.39932G	-37.36	2.4G	-40.16	2.48682G	-46.05	2.4447G	-37.97	1

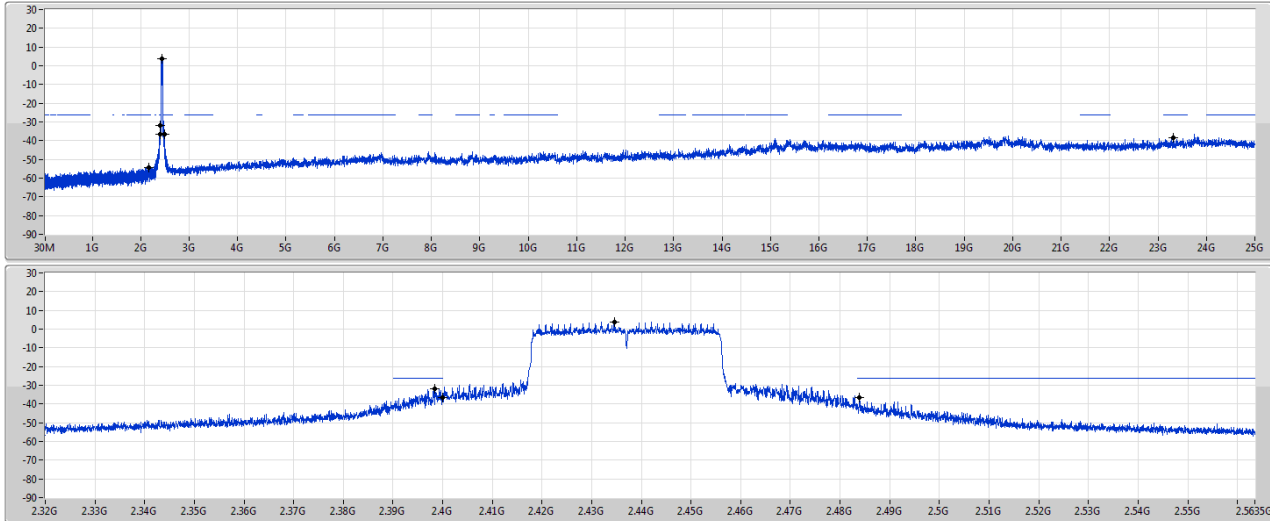
802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43453G	3.62	-26.38	2.168G	-54.15	2.39832G	-32.03	2.4G	-36.57	2.4839G	-36.47	2.31165G	-38.45	1

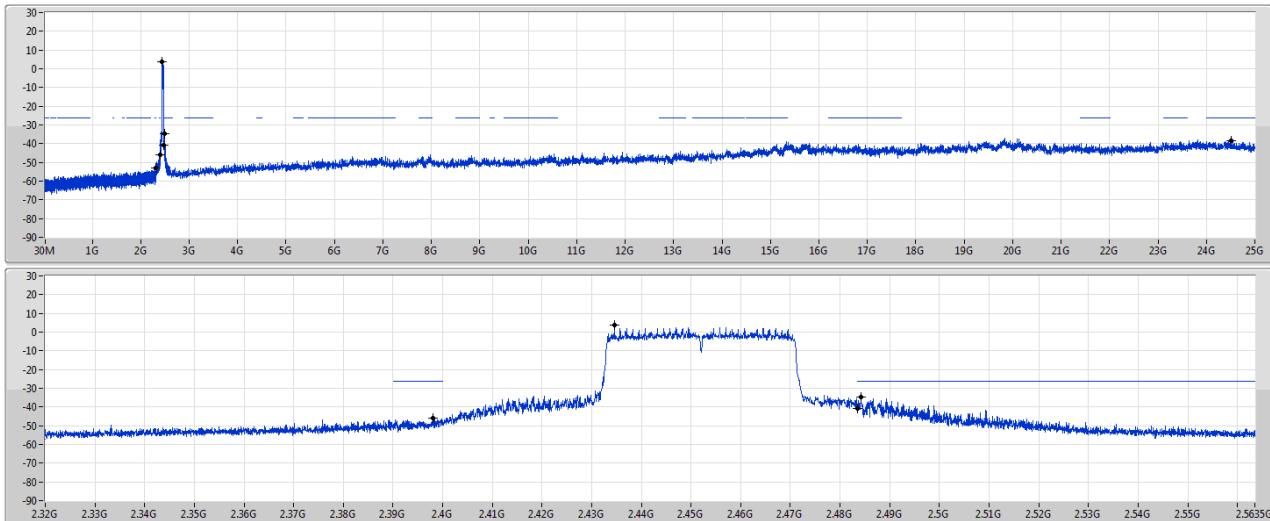
802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

CSE NdB

08/11/2019

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43453G	3.62	-26.38	2.30655G	-52.99	2.39804G	-45.97	2.4835G	-40.79	2.48426G	-34.62	2.450359G	-38.37	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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	15.59	-14.41	2.30029G	-53.22	2.39904G	-29.48	2.4G	-29.97	2.48628G	-49.44	24.54766G	-38.27	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	10.72	-19.28	2.30204G	-53.51	2.39986G	-23.67	2.4G	-27.79	2.48392G	-49.93	24.76681G	-37.69	1
VHT20_Nss2,(MCS0)_2TX	Pass	2.43198G	9.06	-20.94	1.93536G	-53.68	2.39982G	-25.16	2.4G	-30.94	2.50614G	-50.82	24.40156G	-38.28	1
VHT40_Nss2,(MCS0)_2TX	Pass	2.43202G	2.87	-27.13	2.30798G	-53.52	2.39952G	-32.68	2.4G	-38.58	2.48798G	-42.60	24.09413G	-37.86	1
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.442G	9.12	-20.88	2.30408G	-52.34	2.39994G	-26.56	2.4G	-27.95	2.4849G	-49.73	24.74714G	-37.86	1
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43202G	3.18	-26.82	2.30426G	-52.93	2.3998G	-28.05	2.4G	-32.15	2.48378G	-35.13	24.42506G	-37.18	1

Result

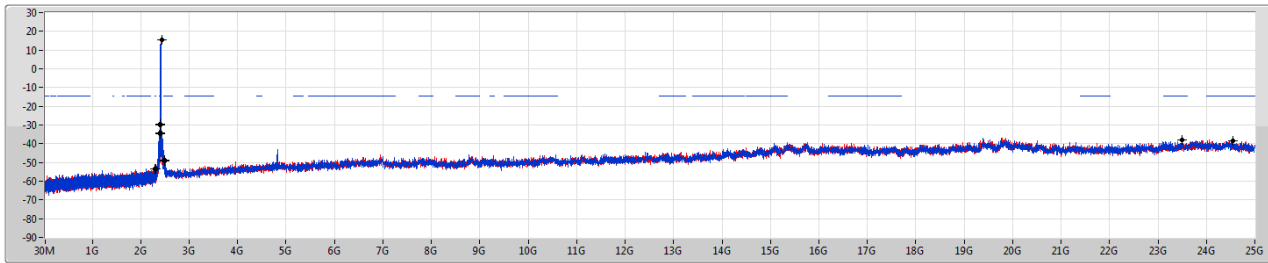
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.30029G	-53.22	2.39904G	-29.48	2.4G	-29.97	2.48628G	-49.44	24.54766G	-38.27	1
2412MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.30961G	-53.44	2.4G	-34.81	2.4G	-34.38	2.48612G	-48.91	23.49126G	-38.11	2
2437MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.1171G	-53.90	2.394G	-37.20	2.4835G	-42.98	2.4885G	-37.39	24.17399G	-37.97	1
2437MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.09613G	-54.44	2.3995G	-32.94	2.4G	-37.03	2.4855G	-37.17	24.42123G	-37.29	2
2462MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.14011G	-53.84	2.39906G	-48.79	2.4835G	-43.61	2.48452G	-31.24	24.4409G	-37.77	1
2462MHz_TnomVnom	Pass	2.43599G	15.59	-14.41	2.10632G	-54.37	2.39904G	-48.42	2.4835G	-48.74	2.48752G	-43.37	24.45775G	-38.44	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.30204G	-53.51	2.39986G	-23.67	2.4G	-27.79	2.48392G	-49.93	24.76681G	-37.69	1
2412MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.30874G	-53.38	2.39922G	-26.59	2.4G	-27.92	2.48878G	-49.40	24.00541G	-38.32	2
2437MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.16137G	-54.11	2.39738G	-35.00	2.4G	-37.25	2.4842G	-37.10	23.59803G	-37.93	1
2437MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.30932G	-54.58	2.39982G	-35.09	2.4G	-37.01	2.48702G	-37.71	23.16255G	-38.92	2
2462MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.30146G	-53.59	2.3997G	-50.92	2.4835G	-46.13	2.4836G	-38.34	24.11218G	-37.58	1
2462MHz_TnomVnom	Pass	2.442G	10.72	-19.28	2.3067G	-54.08	2.39142G	-50.87	2.4835G	-45.96	2.48356G	-38.41	24.06442G	-37.94	2
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	1.93536G	-53.68	2.39982G	-25.16	2.4G	-30.94	2.50614G	-50.82	24.40156G	-38.28	1
2412MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	2.30932G	-53.21	2.39798G	-28.79	2.4G	-33.19	2.4895G	-50.35	24.31728G	-37.40	2
2437MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	2.30554G	-53.32	2.3998G	-36.28	2.4G	-39.36	2.48416G	-37.08	24.43247G	-37.97	1
2437MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	1.98691G	-54.06	2.39988G	-37.09	2.4G	-39.86	2.48482G	-43.06	24.39313G	-38.90	2
2462MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	2.15292G	-54.45	2.39924G	-49.69	2.4835G	-39.43	2.48448G	-30.51	24.4128G	-37.73	1
2462MHz_TnomVnom	Pass	2.43198G	9.06	-20.94	2.15088G	-54.07	2.39572G	-50.61	2.4835G	-36.77	2.48388G	-36.10	24.39594G	-37.48	2
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.30941G	-53.70	2.39296G	-38.61	2.4G	-43.94	2.48386G	-48.59	24.46994G	-37.23	1
2422MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.30569G	-53.44	2.397G	-40.20	2.4G	-43.07	2.49374G	-48.85	24.49798G	-38.24	2
2437MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.30798G	-53.52	2.39952G	-32.68	2.4G	-38.58	2.48798G	-42.60	24.09413G	-37.86	1
2437MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.30712G	-52.09	2.39952G	-35.16	2.4G	-42.25	2.4835G	-40.06	24.48957G	-38.42	2
2452MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.16915G	-52.65	2.3958G	-42.39	2.4835G	-45.94	2.50322G	-39.41	24.48396G	-38.62	1
2452MHz_TnomVnom	Pass	2.43202G	2.87	-27.13	2.13365G	-54.59	2.39452G	-43.50	2.4835G	-45.52	2.49886G	-39.00	24.43628G	-36.69	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.30408G	-52.34	2.39994G	-26.56	2.4G	-27.95	2.4849G	-49.73	24.74714G	-37.86	1
2412MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.14215G	-53.98	2.39964G	-30.99	2.4G	-33.98	2.4921G	-51.12	24.11218G	-38.41	2
2437MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.15147G	-53.56	2.39856G	-35.15	2.4G	-37.82	2.48352G	-38.81	23.3536G	-38.21	1
2437MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.09962G	-53.74	2.39984G	-37.31	2.4G	-39.04	2.48542G	-40.02	23.48003G	-37.45	2
2462MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.10399G	-54.51	2.39416G	-49.45	2.4835G	-34.83	2.48376G	-33.80	24.64038G	-38.35	1
2462MHz_TnomVnom	Pass	2.442G	9.12	-20.88	2.00002G	-53.38	2.39478G	-49.93	2.4835G	-38.94	2.4841G	-34.28	16.70617G	-38.26	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.30368G	-53.15	2.3928G	-35.56	2.4G	-38.27	2.48578G	-49.75	24.54847G	-37.68	1
2422MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.30283G	-53.28	2.39876G	-35.23	2.4G	-41.76	2.48578G	-46.43	24.45031G	-37.93	2
2437MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.30426G	-52.93	2.3998G	-28.05	2.4G	-32.15	2.48378G	-35.13	24.42506G	-37.18	1
2437MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.09787G	-53.58	2.39928G	-29.55	2.4G	-34.06	2.48374G	-34.92	25G	-37.47	2
2452MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.30998G	-53.53	2.39892G	-39.31	2.4835G	-37.56	2.48698G	-34.27	24.43628G	-37.96	1
2452MHz_TnomVnom	Pass	2.43202G	3.18	-26.82	2.15913G	-53.56	2.39984G	-42.63	2.4835G	-36.41	2.48498G	-33.44	24.42506G	-38.06	2

802.11b_Nss1,(1Mbps)_2TX

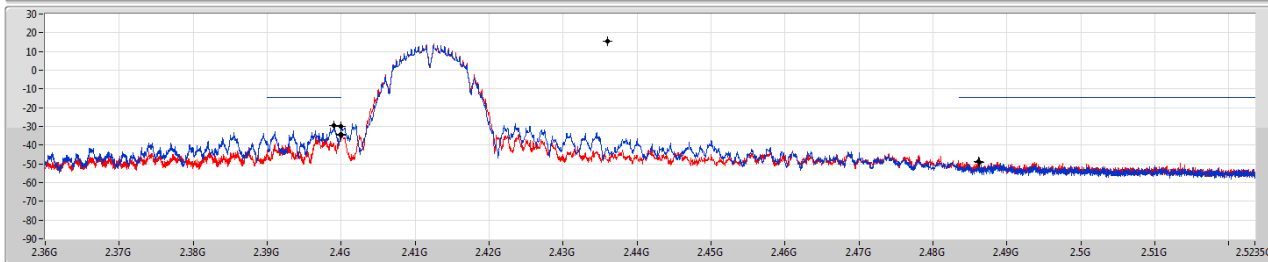
2412MHz

CSE NdB

08/11/2019



Port 1
Port 2



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

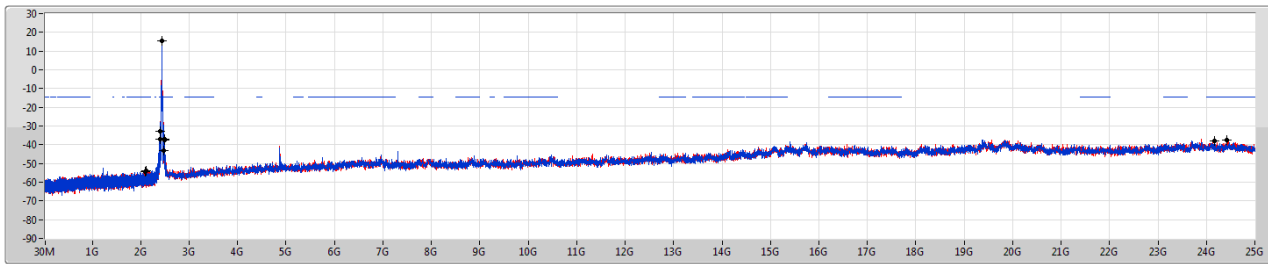
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2.43599G	15.59	-14.41	2.30029G	-53.22	2.39904G	-29.48	2.4G	-29.97	2.48628G	-49.44	24.54766G	-38.27	1
2.43599G	15.59	-14.41	2.30961G	-53.44	2.4G	-34.81	2.4G	-34.38	2.48612G	-48.91	23.49126G	-38.11	2

802.11b_Nss1,(1Mbps)_2TX

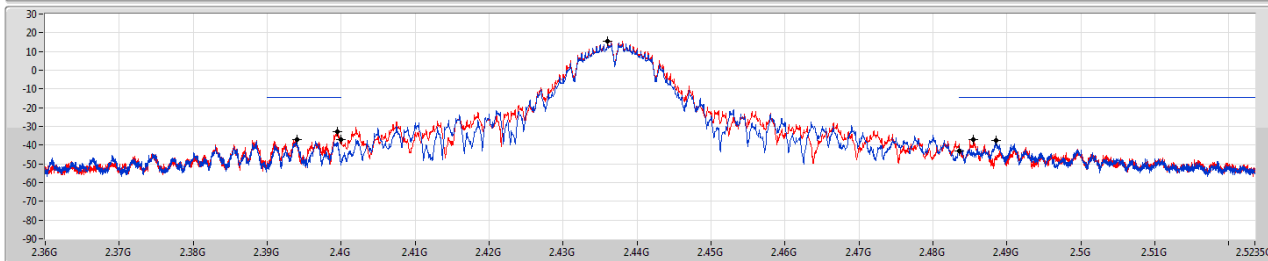
2437MHz

CSE NdB

08/11/2019



Port 1
Port 2



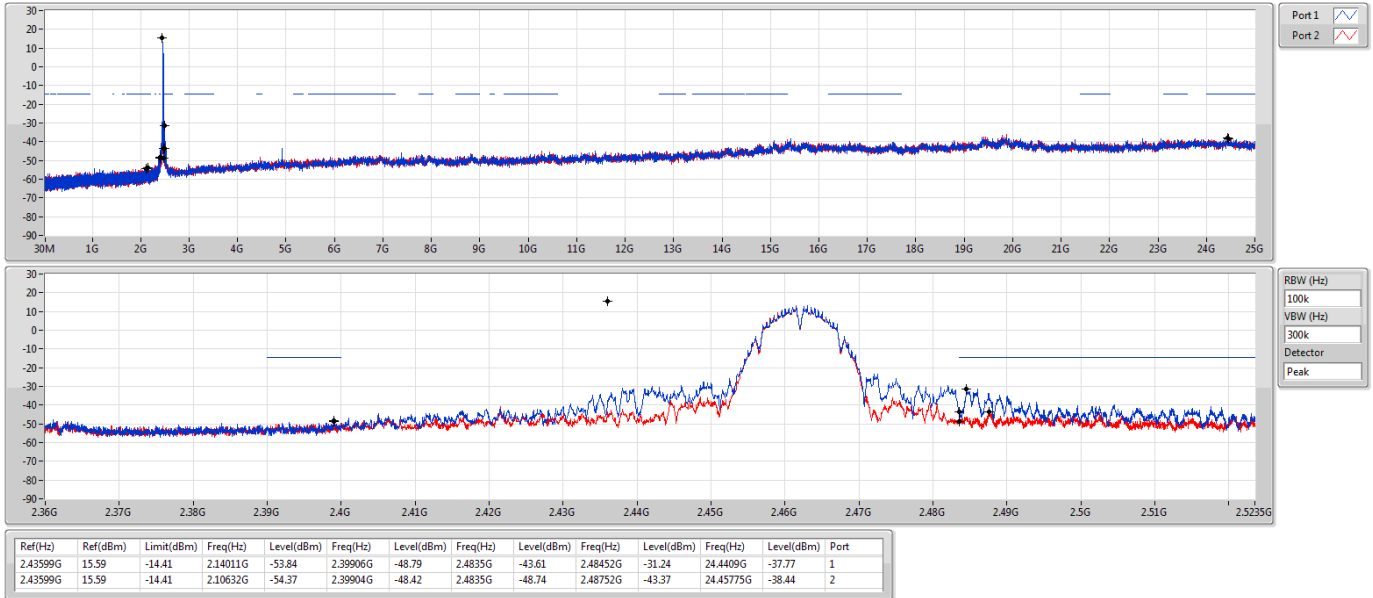
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.59	-14.41	2.1171G	-53.90	2.394G	-37.20	2.4835G	-42.98	2.4885G	-37.39	24.17399G	-37.97	1
2.43599G	15.59	-14.41	2.09613G	-54.44	2.3995G	-32.94	2.4G	-37.03	2.4855G	-37.17	24.42123G	-37.29	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

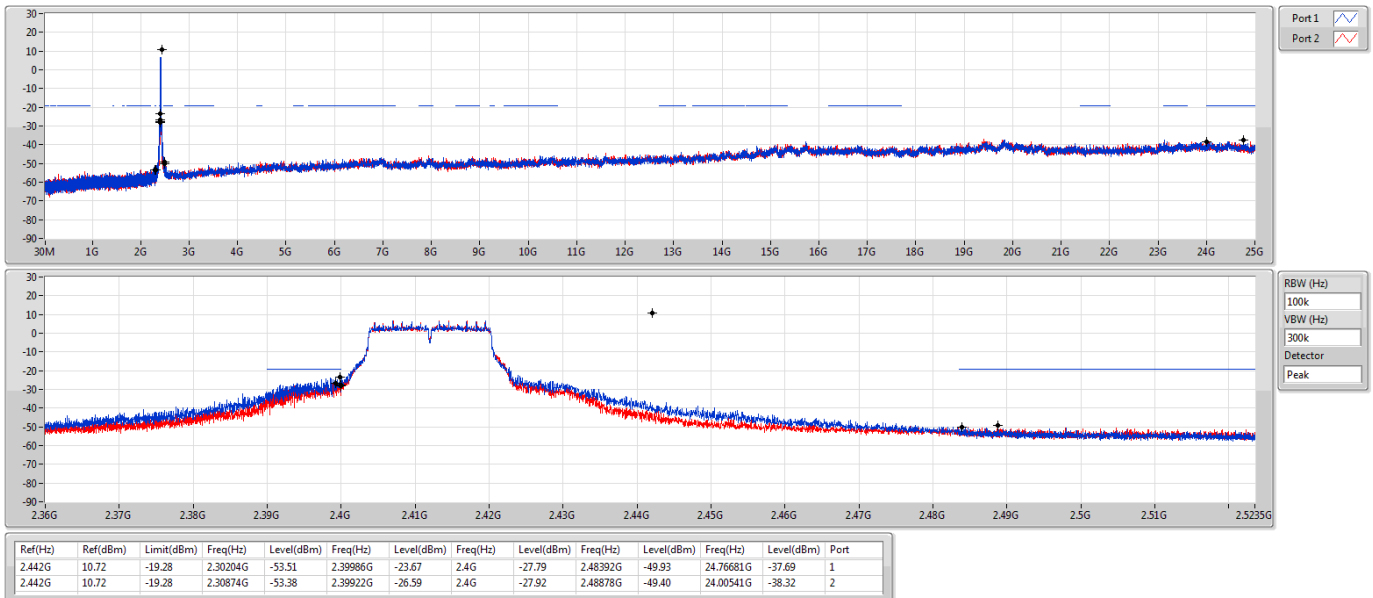
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2412MHz

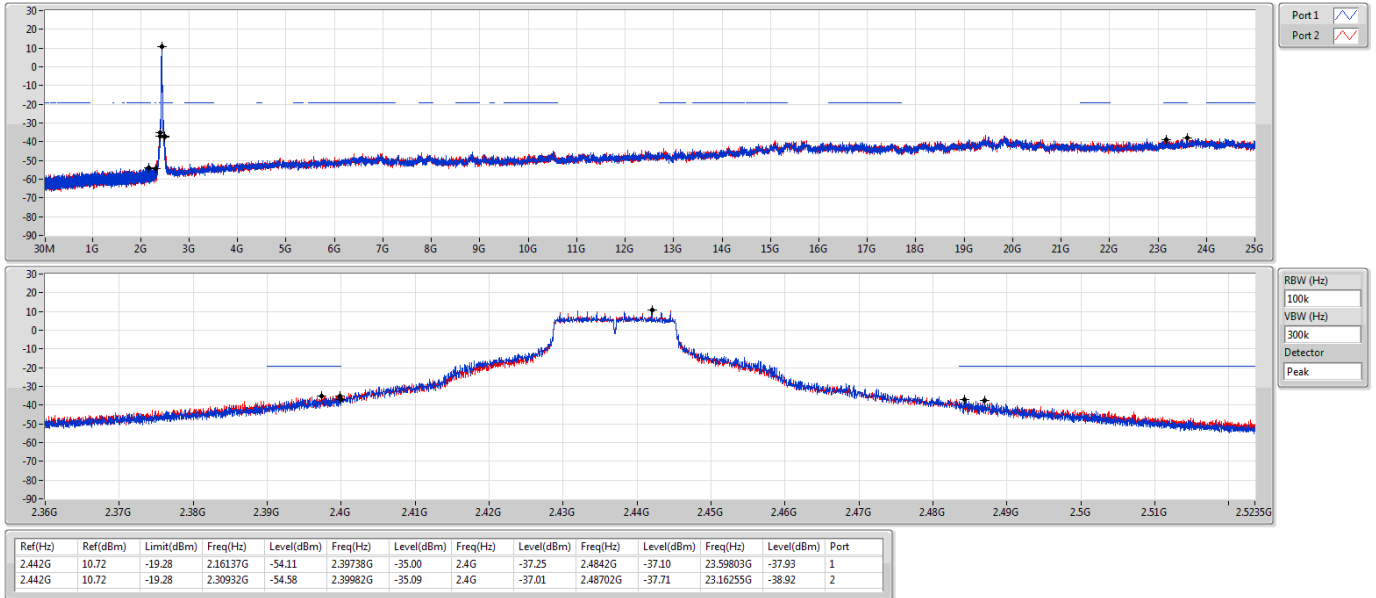
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2437MHz

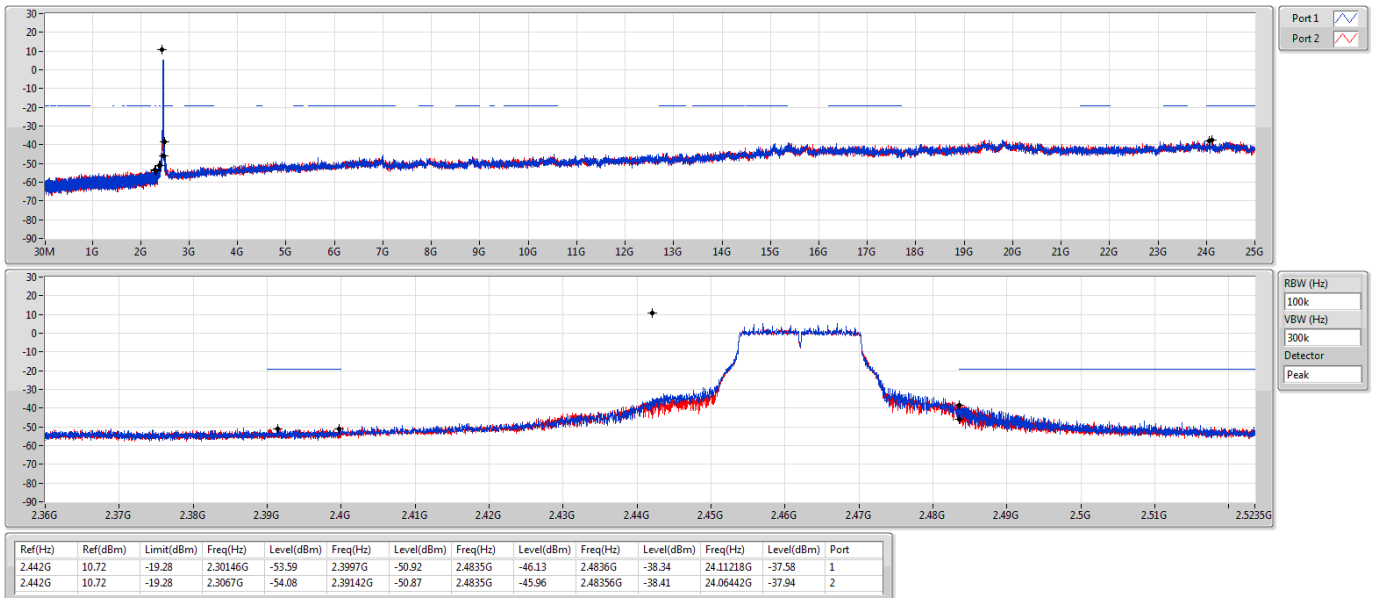
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2462MHz

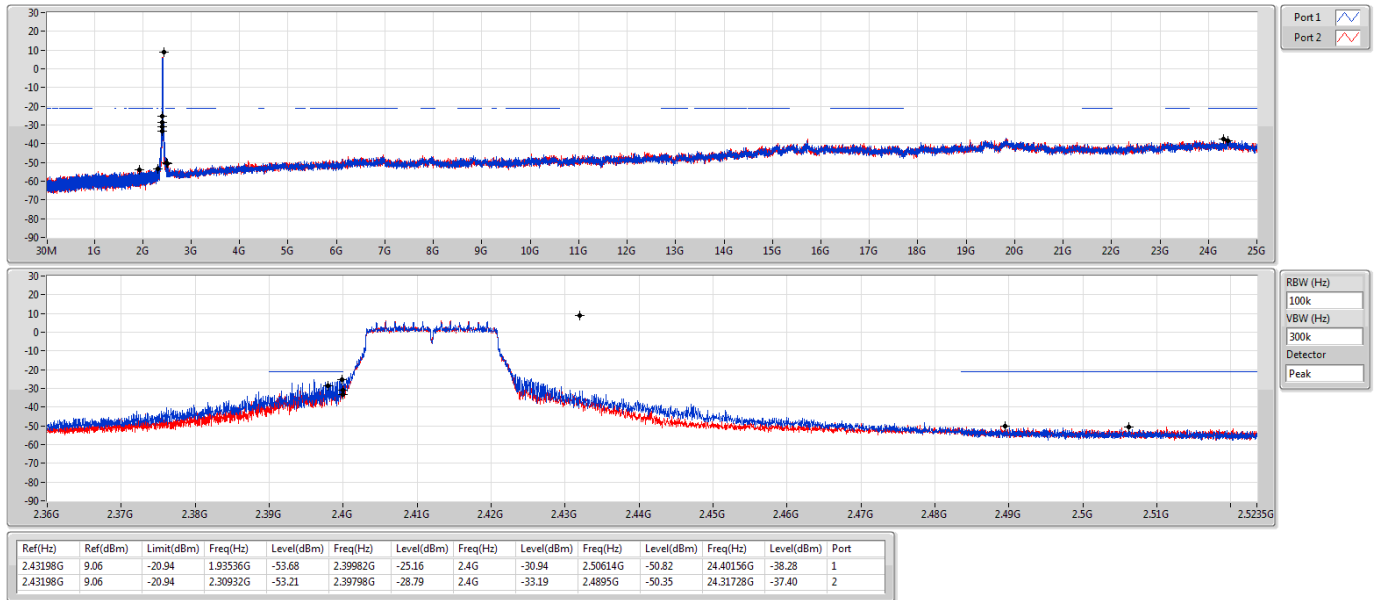
CSE NdB



VHT20_Nss2,(MCS0)_2TX

2412MHz

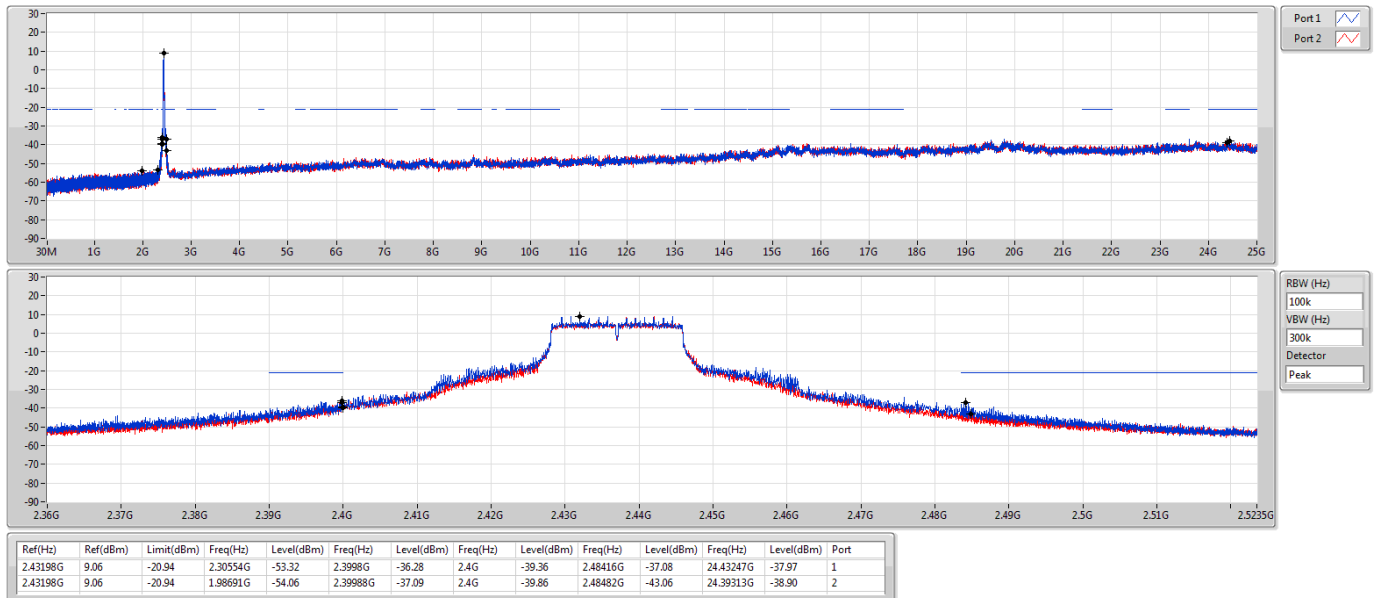
CSE NdB



VHT20_Nss2,(MCS0)_2TX

2437MHz

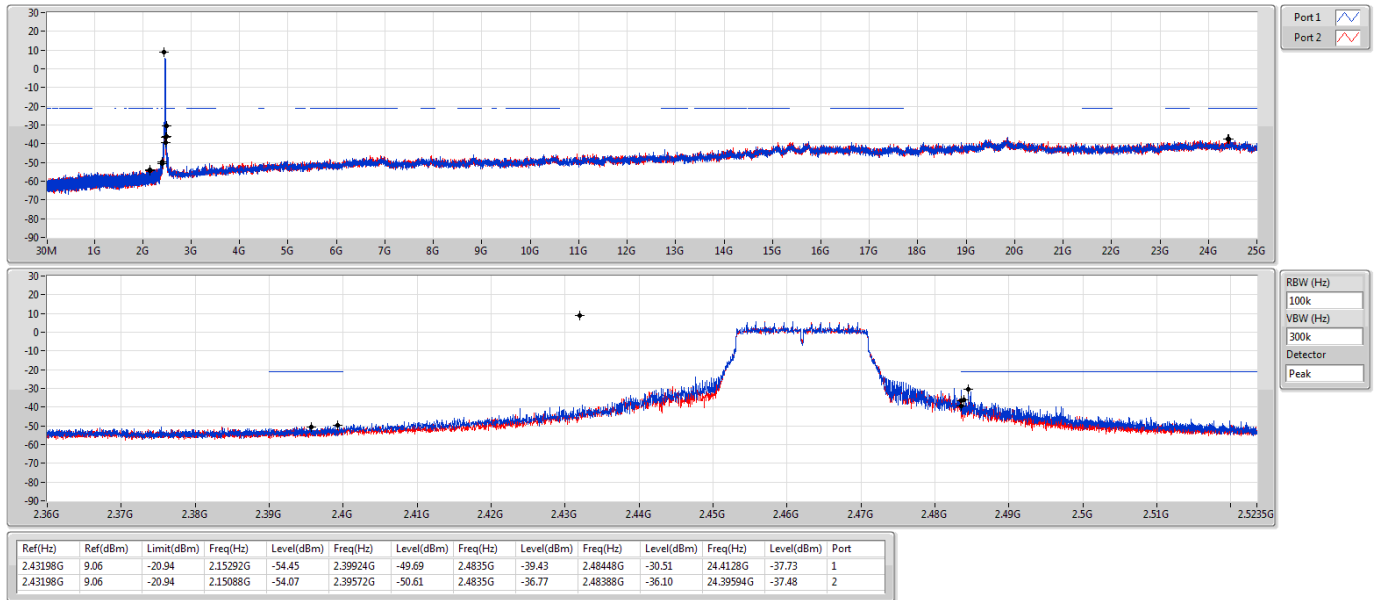
CSE NdB



VHT20_Nss2,(MCS0)_2TX

2462MHz

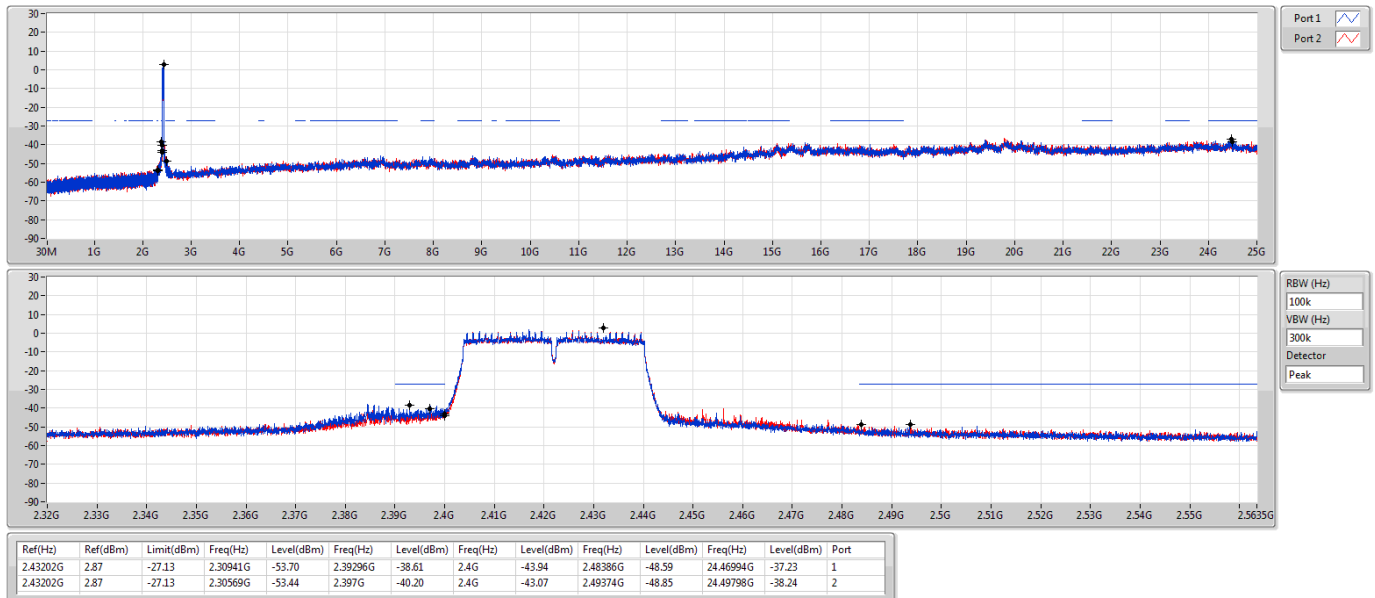
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2422MHz

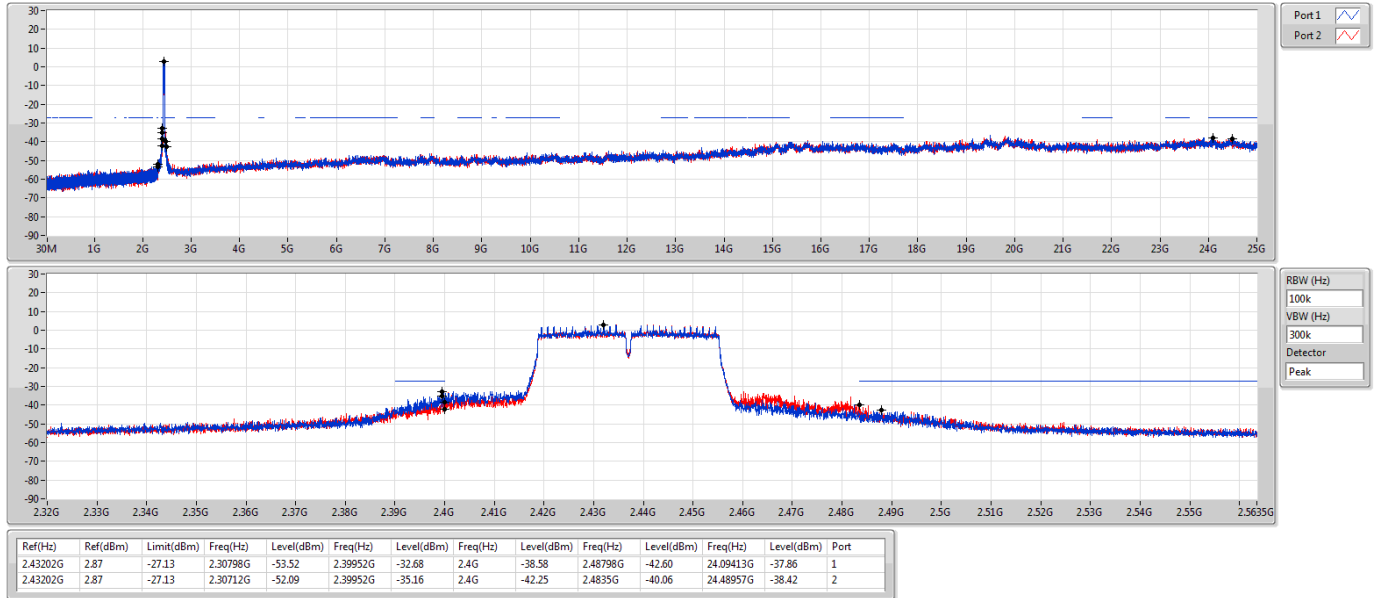
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2437MHz

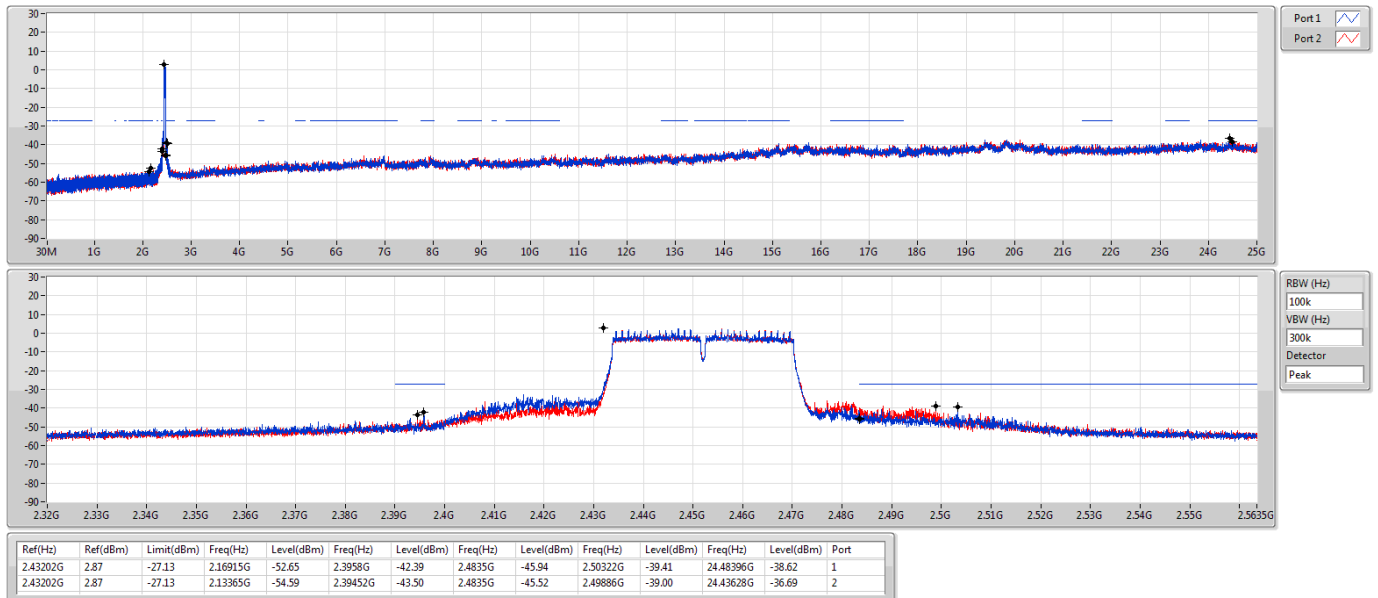
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2452MHz

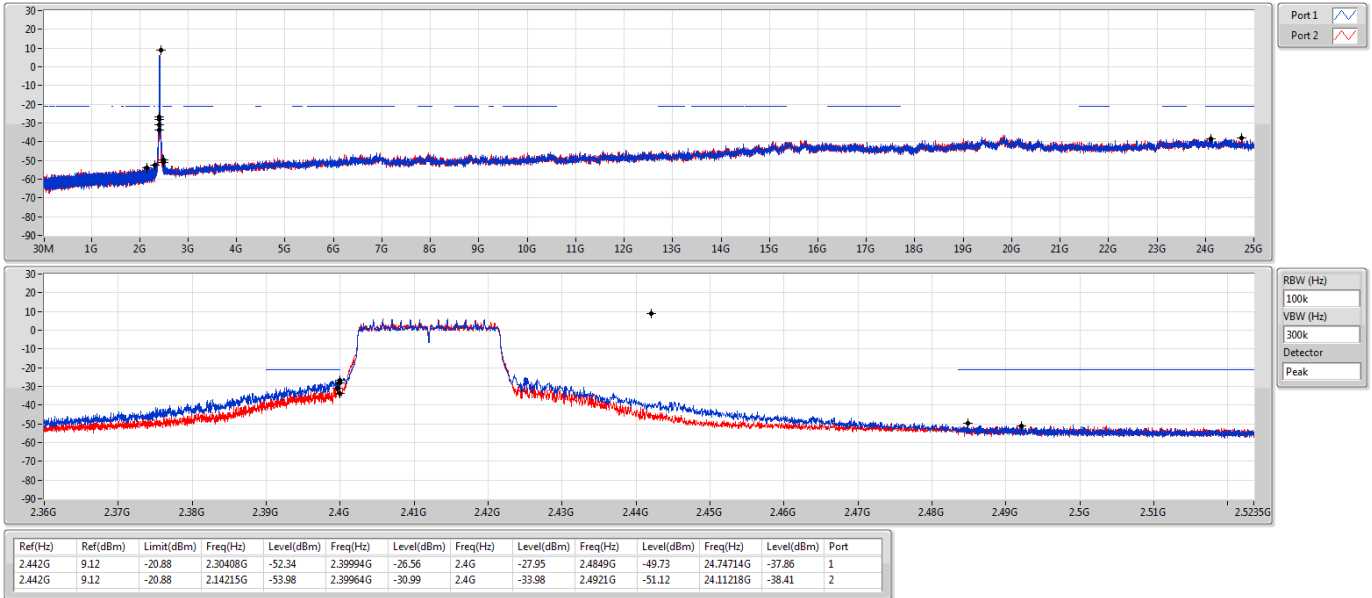
CSE NdB



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

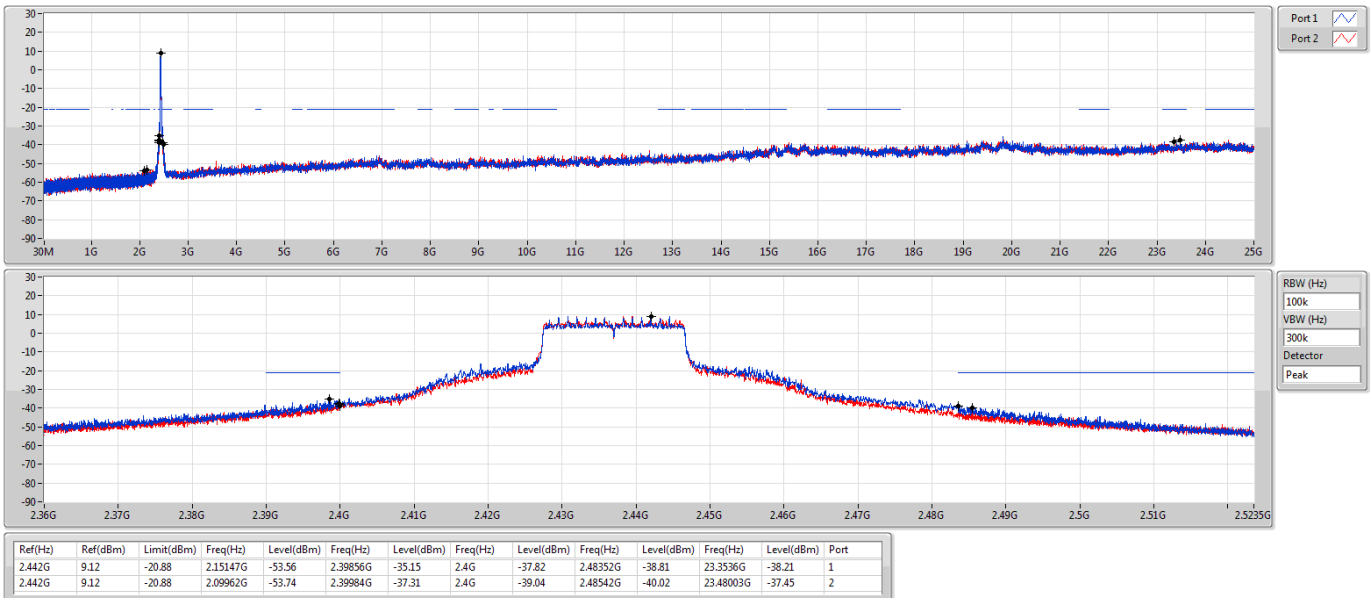
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

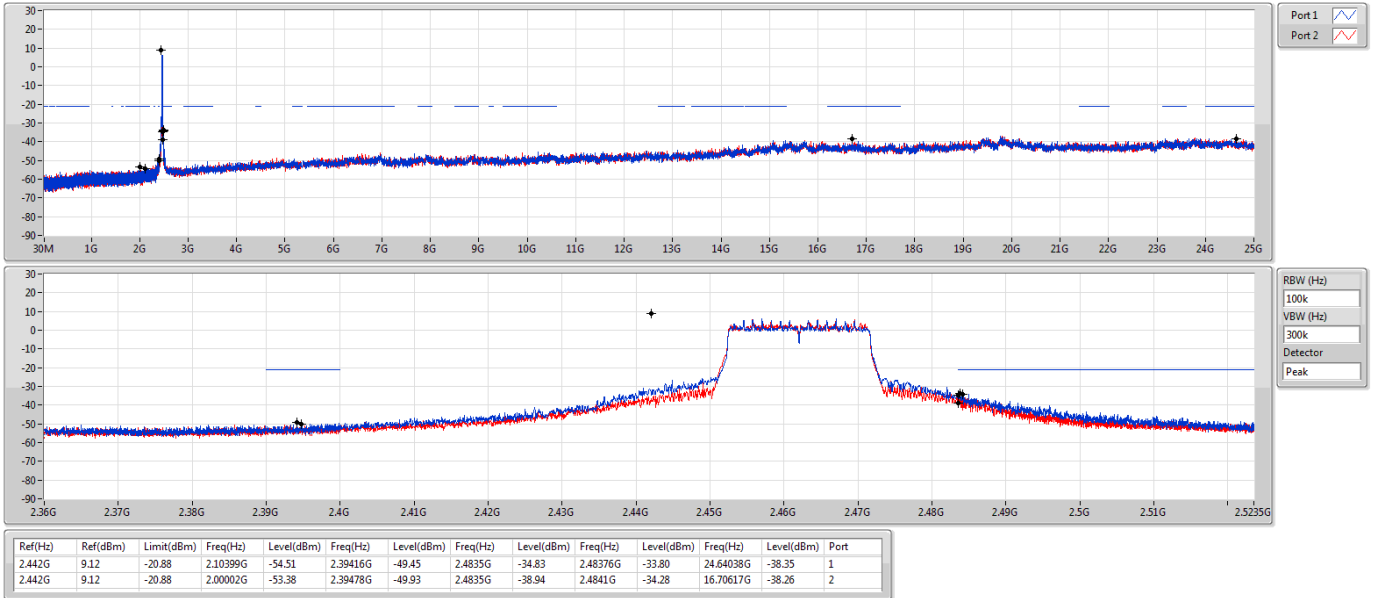
2437MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

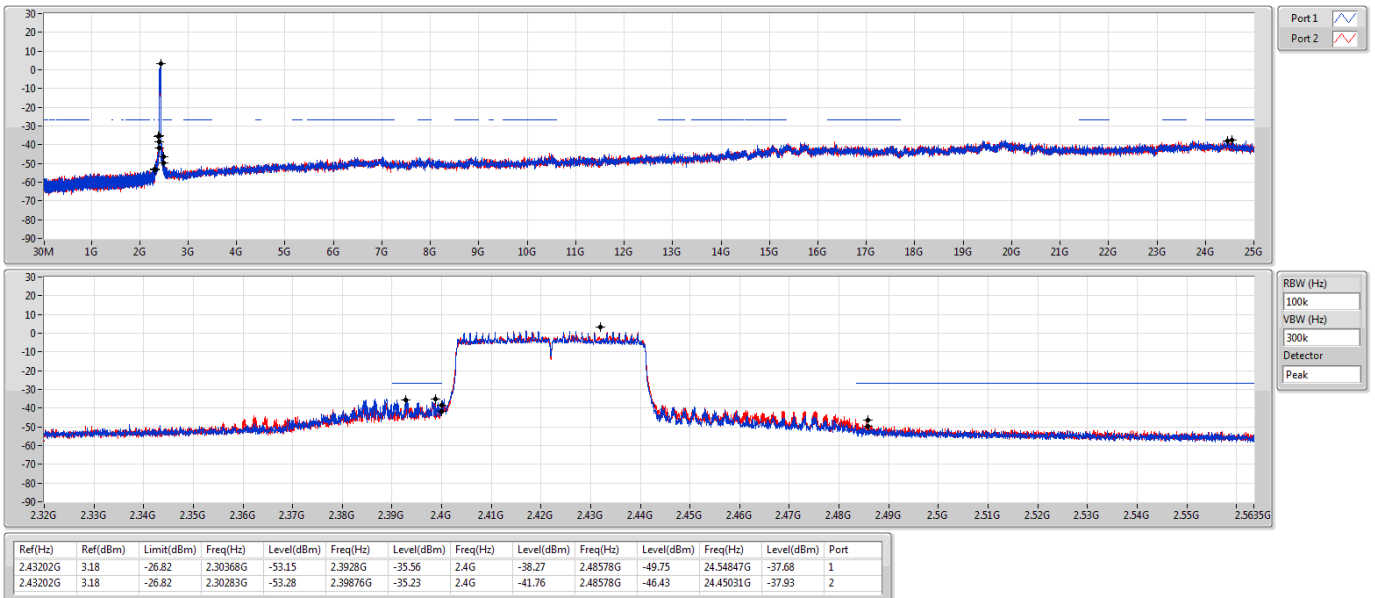
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

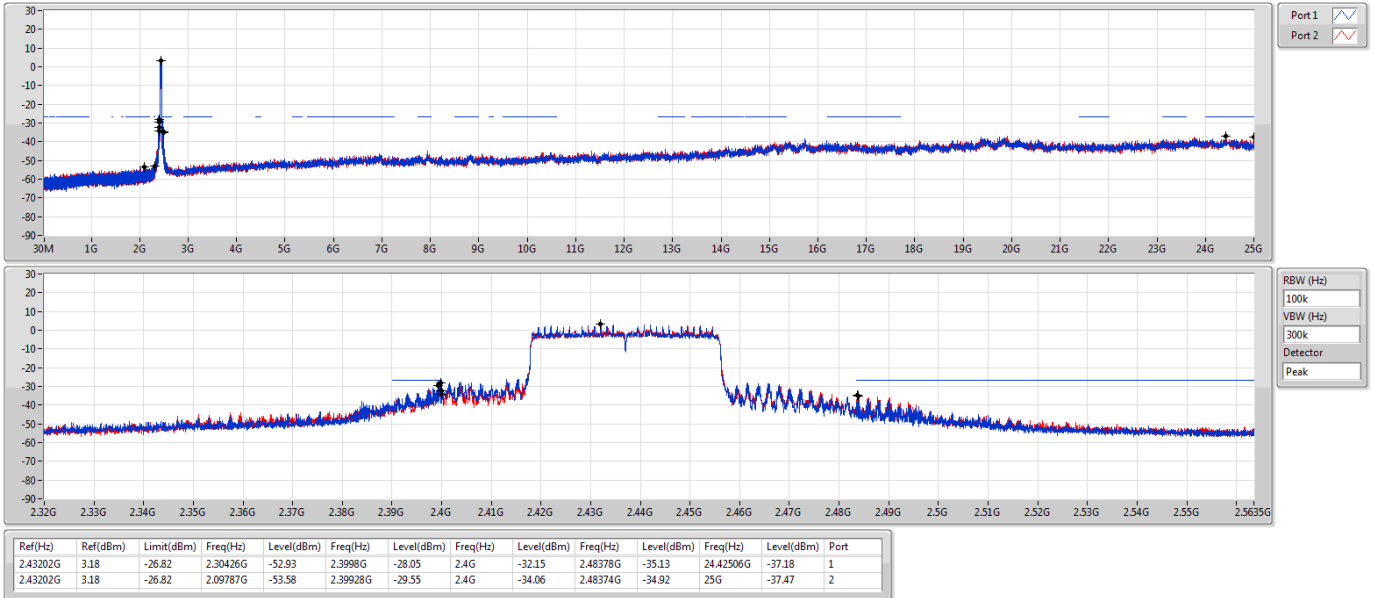
2422MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

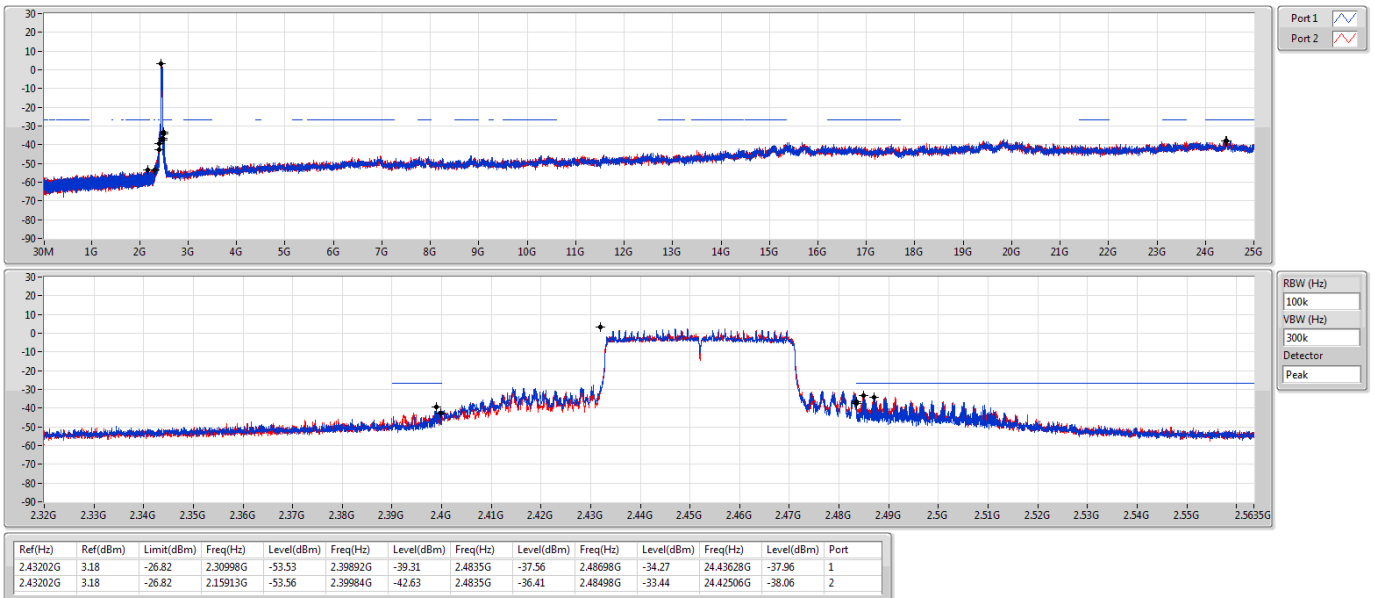
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz



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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43603G	12.00	-18.00	2.30816G	-55.65	2.39902G	-35.90	2.4G	-37.11	2.48368G	-51.80	24.68533G	-41.21	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43954G	10.01	-19.99	818.41M	-54.65	2.39918G	-30.20	2.4G	-30.94	2.51076G	-52.31	16.23697G	-40.68	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43077G	9.29	-20.71	1.92982G	-54.35	2.39638G	-32.87	2.4G	-37.09	2.5001G	-52.75	24.882G	-40.88	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.43202G	2.76	-27.24	2.30054G	-54.69	2.39948G	-33.67	2.4G	-38.85	2.48462G	-37.20	24.57932G	-40.27	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43954G	9.18	-20.82	1.97264G	-55.46	2.39974G	-27.64	2.4G	-34.68	2.5041G	-52.43	23.3536G	-40.27	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43202G	2.81	-27.19	2.11877G	-55.03	2.39948G	-32.90	2.4G	-38.55	2.48462G	-37.19	23.31165G	-40.92	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)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43603G	12.00	-18.00	2.30816G	-55.65	2.39902G	-35.90	2.4G	-37.11	2.48368G	-51.80	24.68533G	-41.21	1
2437MHz	Pass	2.43603G	12.00	-18.00	2.15671G	-55.11	2.39706G	-46.42	2.4G	-49.46	2.48584G	-48.37	15.20306G	-39.72	1
2462MHz	Pass	2.43603G	12.00	-18.00	900.26M	-56.00	2.3981G	-50.74	2.4835G	-50.79	2.4846G	-43.94	23.37045G	-40.88	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43954G	10.01	-19.99	818.41M	-54.65	2.39918G	-30.20	2.4G	-30.94	2.51076G	-52.31	16.23697G	-40.68	1
2437MHz	Pass	2.43954G	10.01	-19.99	2.3G	-55.48	2.39976G	-32.97	2.4G	-37.02	2.48446G	-37.74	23.34517G	-40.54	1
2462MHz	Pass	2.43954G	10.01	-19.99	2.30233G	-54.53	2.39226G	-51.52	2.4835G	-48.22	2.48372G	-40.26	24.97471G	-41.32	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43077G	9.29	-20.71	1.92982G	-54.35	2.39638G	-32.87	2.4G	-37.09	2.5001G	-52.75	24.882G	-40.88	1
2437MHz	Pass	2.43077G	9.29	-20.71	2.30495G	-55.37	2.39668G	-34.70	2.4G	-37.95	2.48574G	-41.26	24.78085G	-40.80	1
2462MHz	Pass	2.43077G	9.29	-20.71	911.61M	-55.95	2.39906G	-52.24	2.4835G	-41.27	2.48484G	-38.61	16.20607G	-39.79	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43202G	2.76	-27.24	2.3097G	-53.83	2.39916G	-38.87	2.4G	-45.37	2.48698G	-50.04	23.3397G	-40.35	1
2437MHz	Pass	2.43202G	2.76	-27.24	2.30054G	-54.69	2.39948G	-33.67	2.4G	-38.85	2.48462G	-37.20	24.57932G	-40.27	1
2452MHz	Pass	2.43202G	2.76	-27.24	2.30826G	-53.55	2.39328G	-46.03	2.4835G	-43.75	2.48446G	-37.59	24.51762G	-41.04	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43954G	9.18	-20.82	1.97264G	-55.46	2.39974G	-27.64	2.4G	-34.68	2.5041G	-52.43	23.3536G	-40.27	1
2437MHz	Pass	2.43954G	9.18	-20.82	858.61M	-55.48	2.39764G	-34.59	2.4G	-36.63	2.48388G	-40.02	23.57555G	-40.78	1
2462MHz	Pass	2.43954G	9.18	-20.82	2.01982G	-55.07	2.39098G	-52.03	2.4835G	-39.40	2.4842G	-38.70	23.38169G	-40.45	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43202G	2.81	-27.19	2.18174G	-54.90	2.39676G	-39.45	2.4G	-46.04	2.48538G	-49.35	23.26958G	-41.21	1
2437MHz	Pass	2.43202G	2.81	-27.19	2.11877G	-55.03	2.39948G	-32.90	2.4G	-38.55	2.48462G	-37.19	23.31165G	-40.92	1
2452MHz	Pass	2.43202G	2.81	-27.19	1.86458G	-56.11	2.39724G	-43.26	2.4835G	-40.98	2.48354G	-37.76	15.19805G	-41.33	1

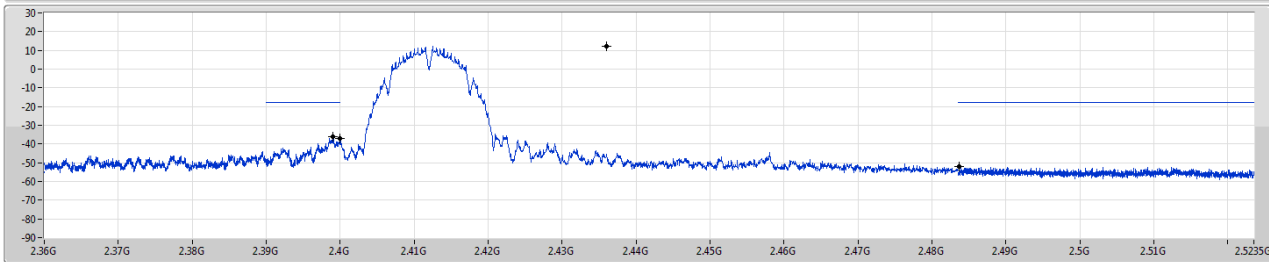
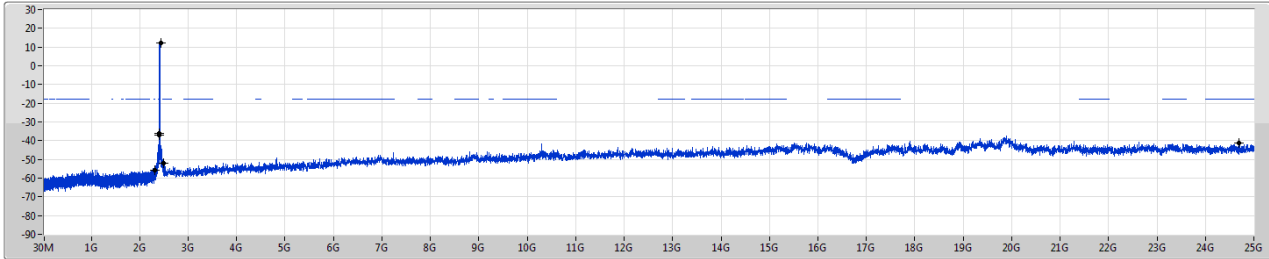
802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSE NdB

11/11/2019

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)	Freq(Hz)	Level(dBm)	Port
2.43603G	12.00	-18.00	2.30816G	-55.65	2.39902G	-35.90	2.4G	-37.11	2.48368G	-51.80	2.48533G	-41.21	1

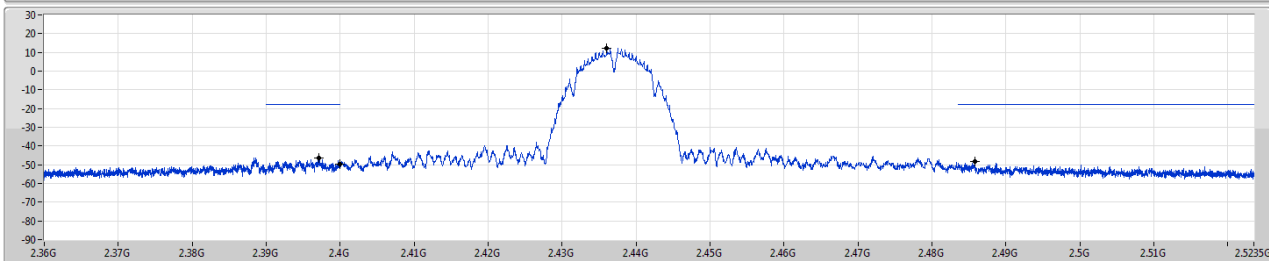
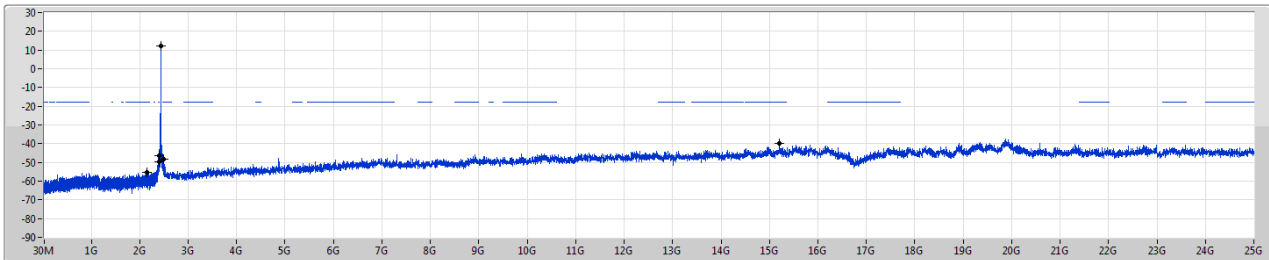
802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSE NdB

11/11/2019

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)	Freq(Hz)	Level(dBm)	Port
2.43603G	12.00	-18.00	2.15671G	-55.11	2.39706G	-46.42	2.4G	-49.46	2.48584G	-48.37	15.20306G	-39.72	1

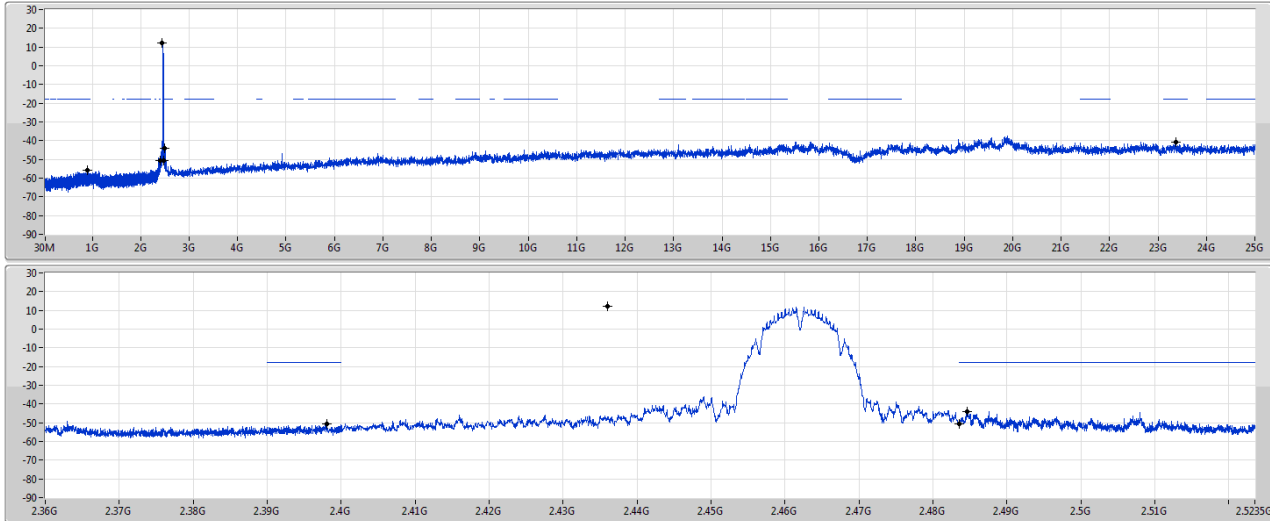
802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSE NdB

11/11/2019

Port 1



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)	Freq(Hz)	Level(dBm)	Port
2.43603G	12.00	-18.00	900.26M	-56.00	2.3981G	-50.74	2.4835G	-50.79	2.4846G	-43.94	2.37045G	-40.88	1

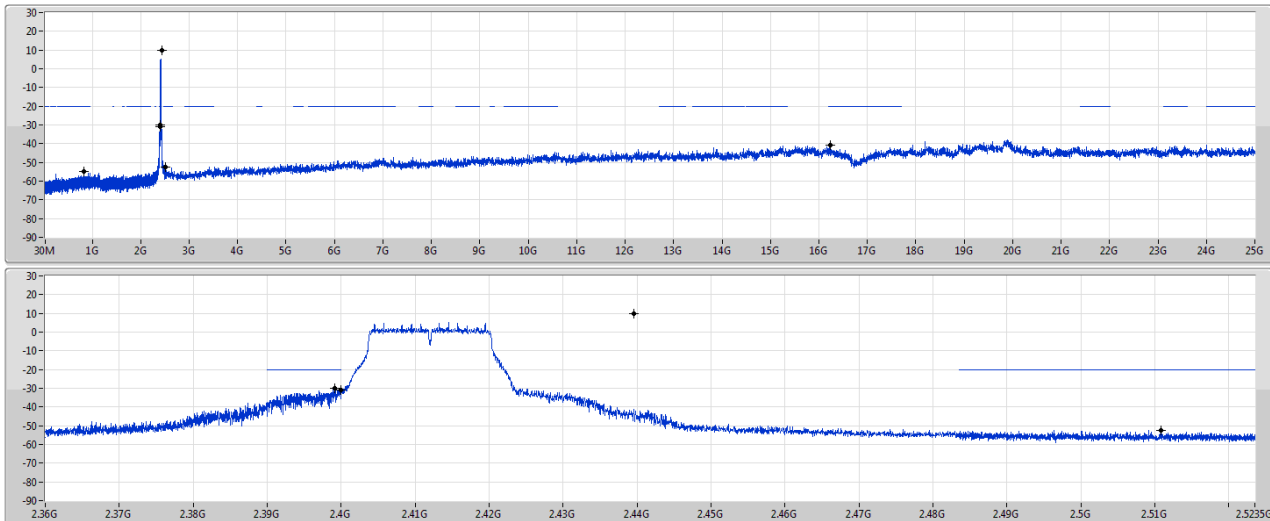
802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

11/11/2019

Port 1



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)	Freq(Hz)	Level(dBm)	Port
2.43954G	10.01	-19.99	818.41M	-54.65	2.39918G	-30.20	2.4G	-30.94	2.51076G	-52.31	16.23697G	-40.68	1