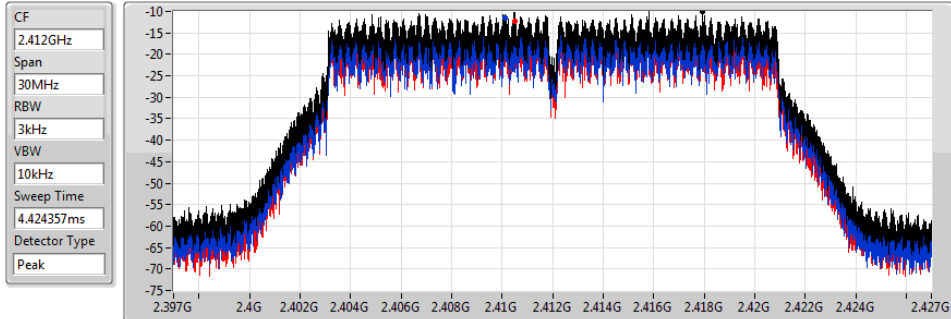


VHT20_Nss2,(MCS0)_2TX

2412MHz

PSD

11/11/2019



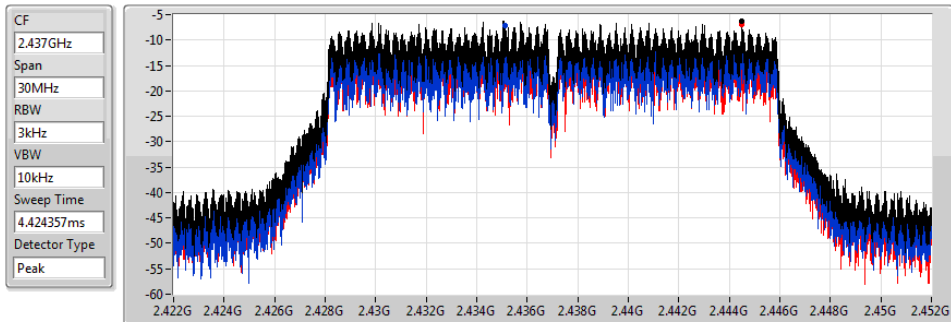
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.05	-10.05	-11.40	-12.26

VHT20_Nss2,(MCS0)_2TX

2437MHz

PSD

11/11/2019



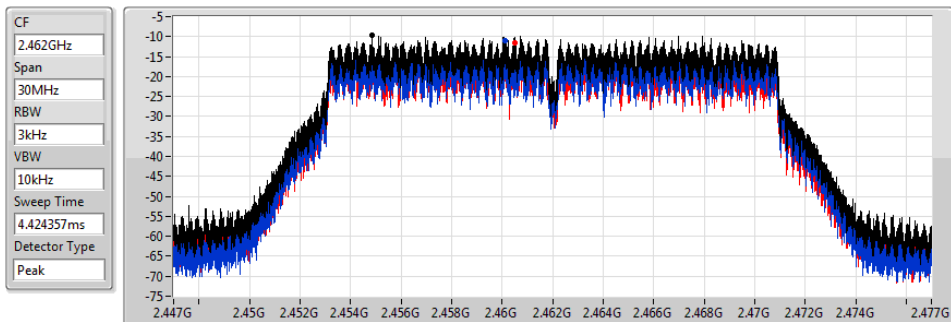
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.19	-6.19	-7.17	-7.02

VHT20_Nss2,(MCS0)_2TX

2462MHz

PSD

11/11/2019



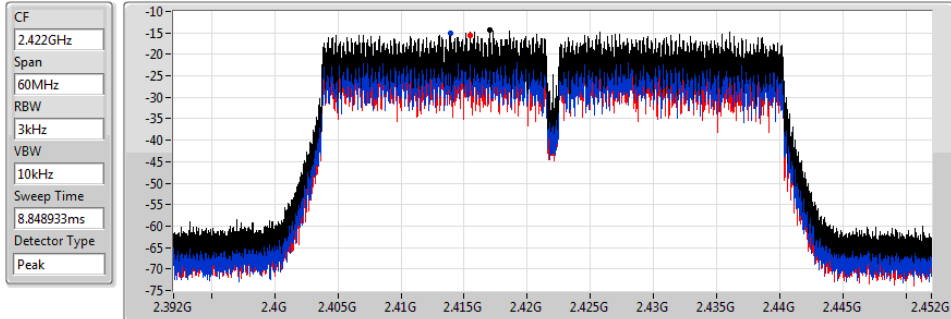
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.54	-9.54	-10.92	-11.50

VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

11/11/2019



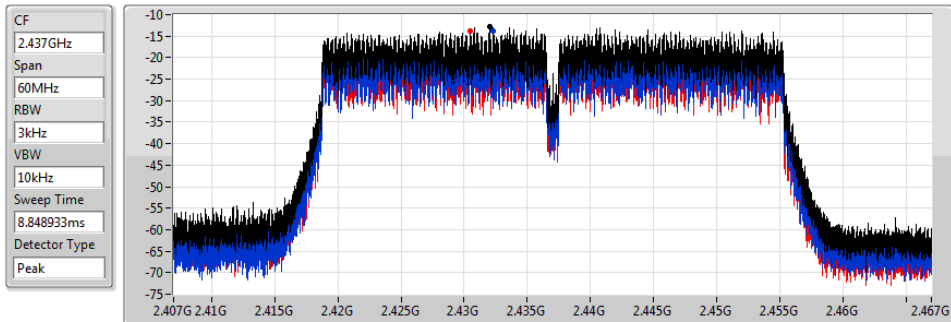
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.29	-14.29	-15.14	-15.54

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



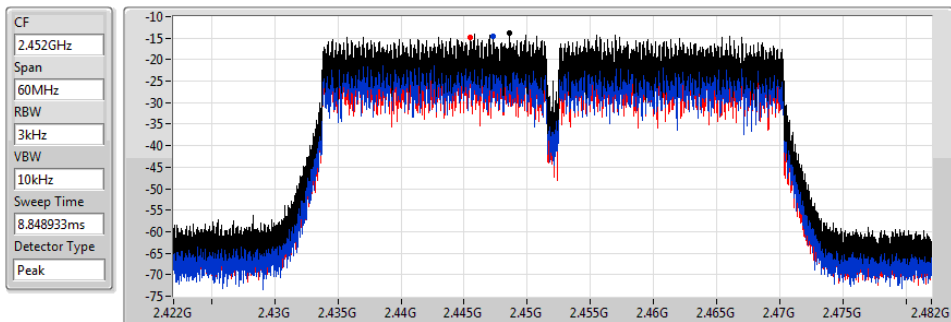
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.85	-12.85	-13.72	-13.73

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

11/11/2019



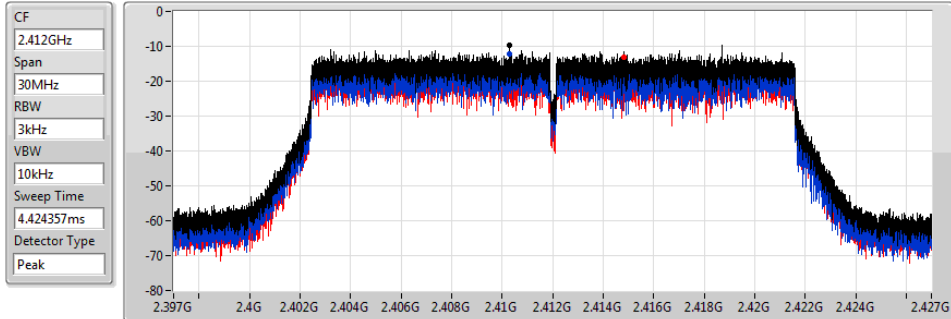
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.91	-13.91	-14.49	-14.91

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

11/11/2019



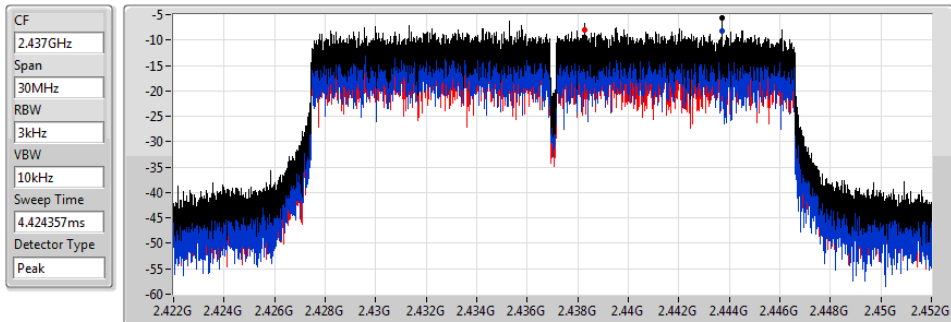
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.61	-9.61	-12.04	-13.22

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



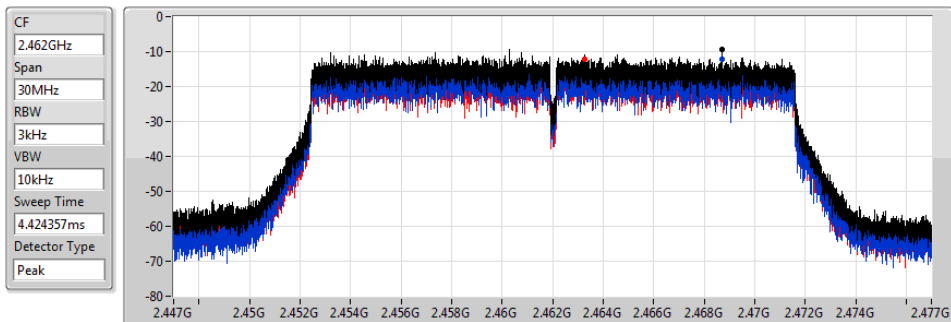
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.71	-5.71	-8.25	-7.98

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

11/11/2019



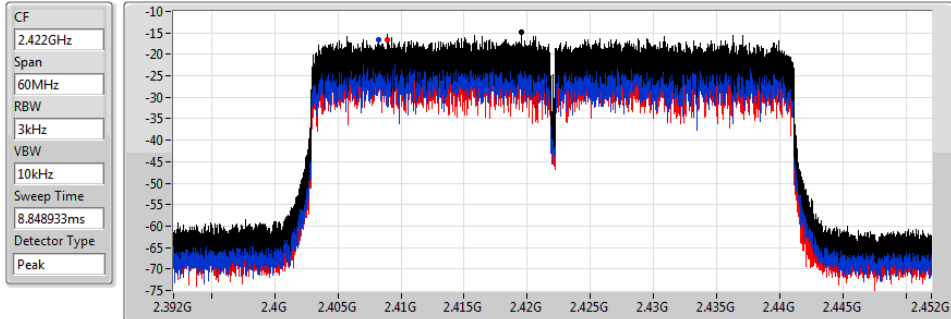
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.22	-9.22	-12.12	-12.07

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

11/11/2019



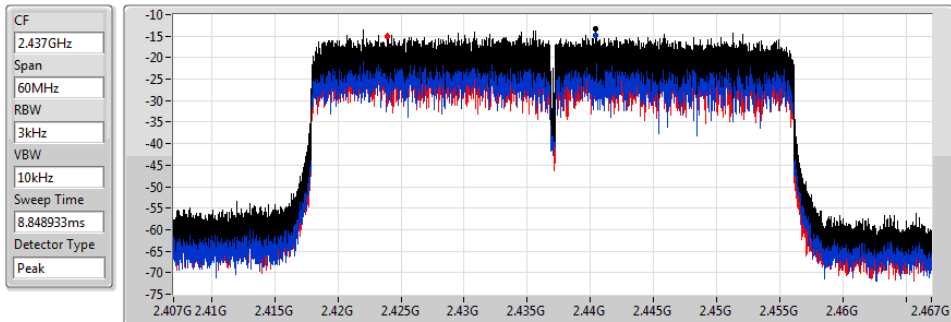
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.76	-14.76	-16.58	-16.61

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

11/11/2019



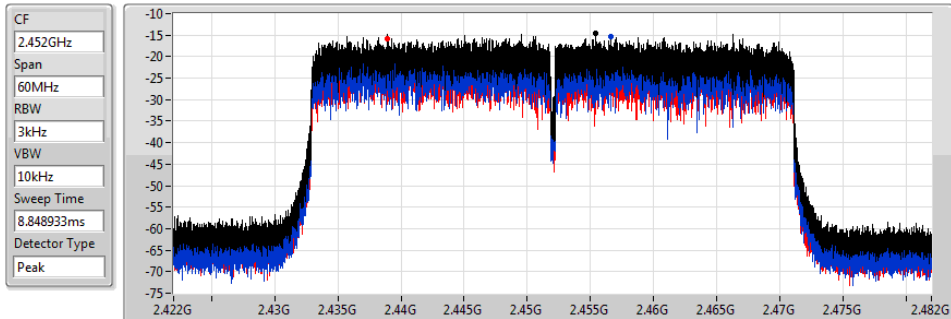
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.26	-13.26	-14.81	-15.08

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;

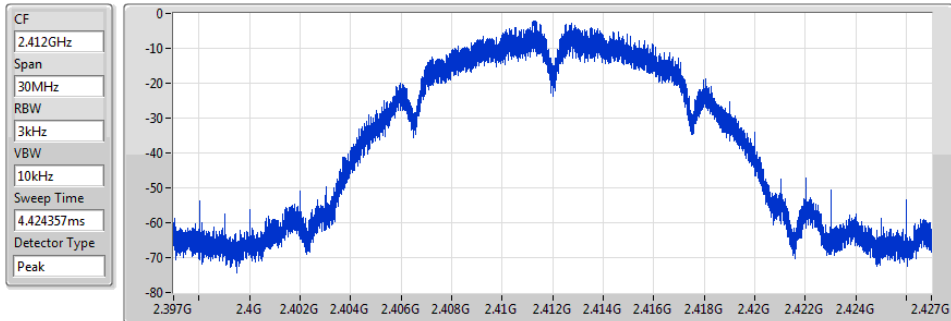
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

11/11/2019



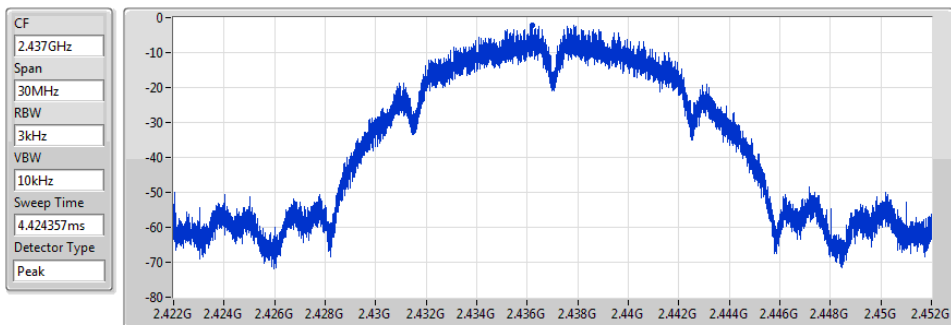
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.92	-2.92	-2.92

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

11/11/2019



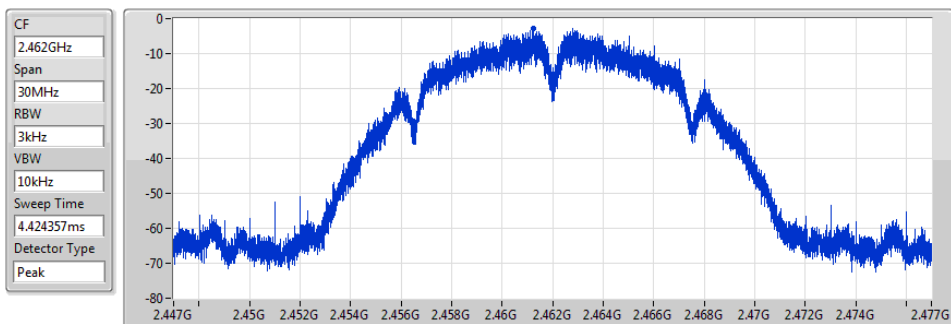
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.11	-2.11	-2.11

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

11/11/2019



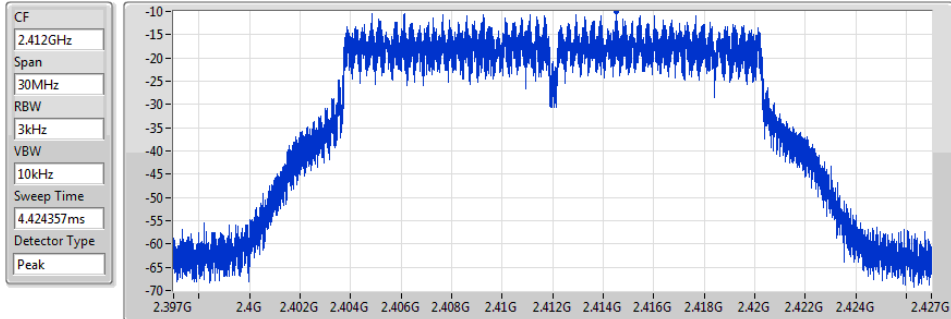
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.87	-2.87	-2.87

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

11/11/2019



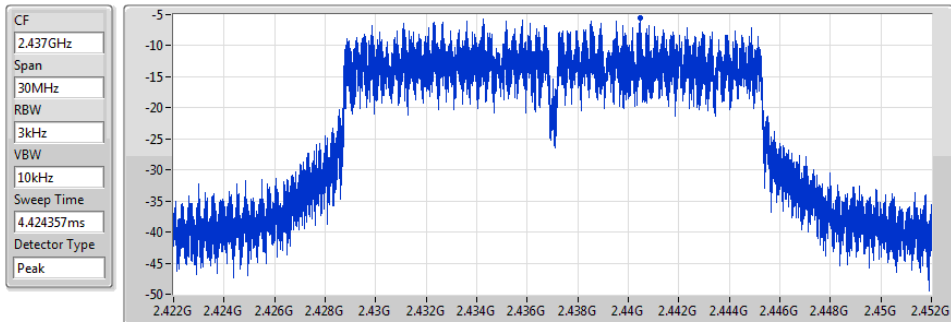
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.10	-10.10	-10.10

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

11/11/2019



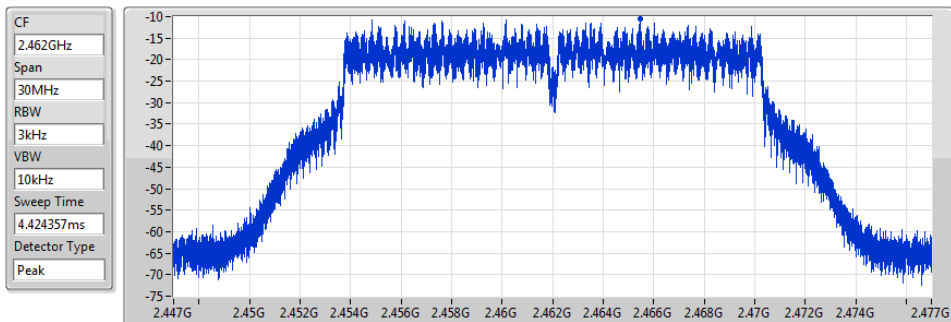
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.56	-5.56	-5.56

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

11/11/2019



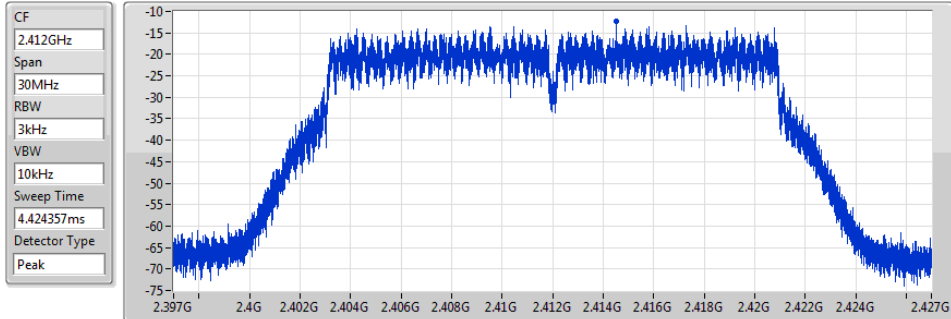
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.62	-10.62	-10.62

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



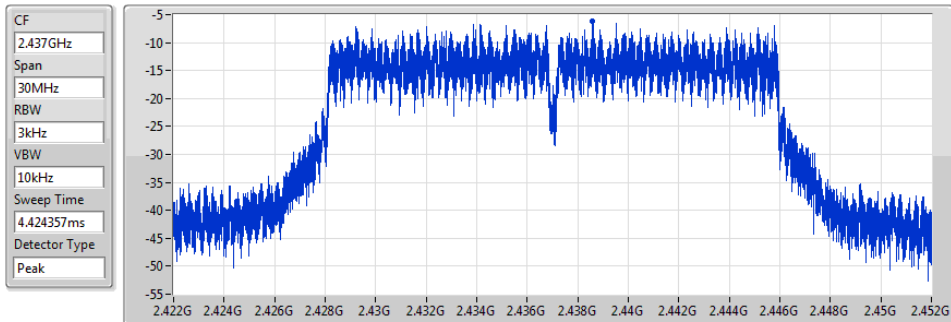
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.25	-12.25	-12.25

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



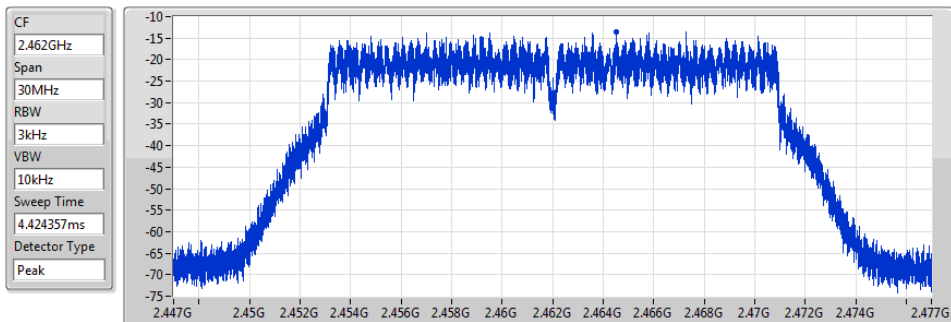
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.24	-6.24	-6.24

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



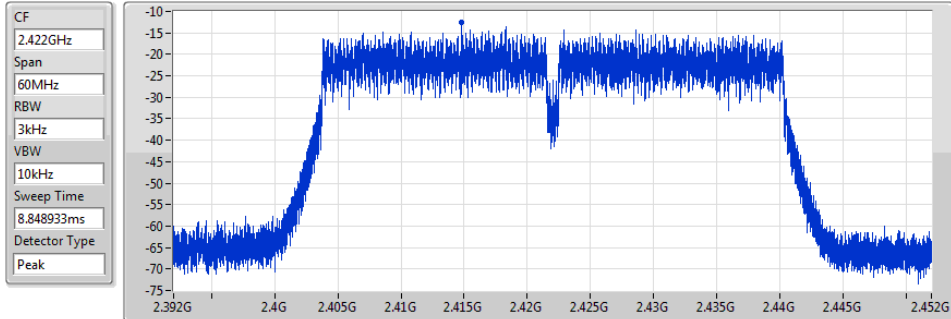
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.46	-13.46	-13.46

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019

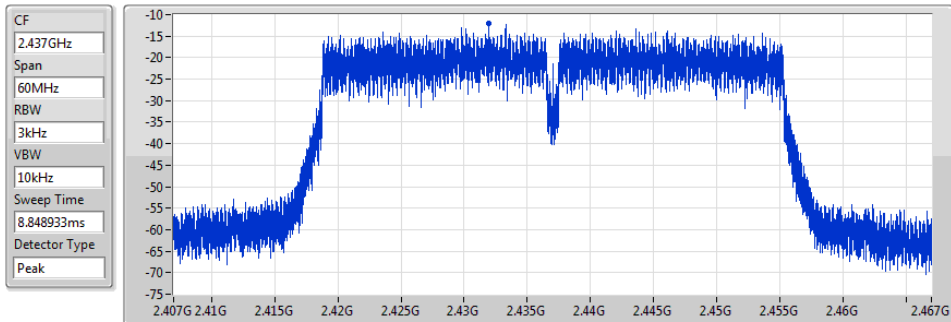


VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019

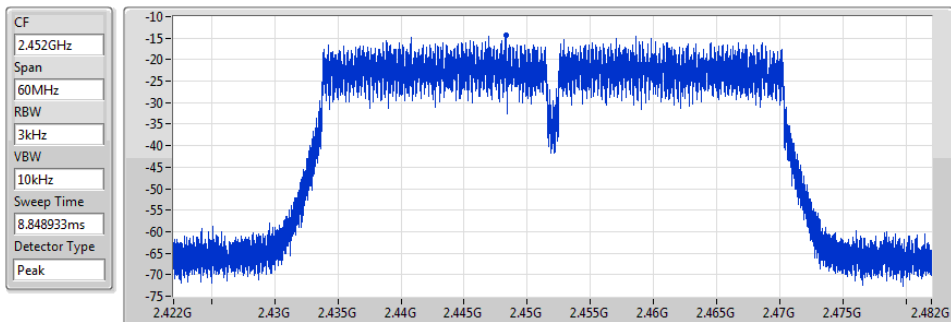


VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

11/11/2019

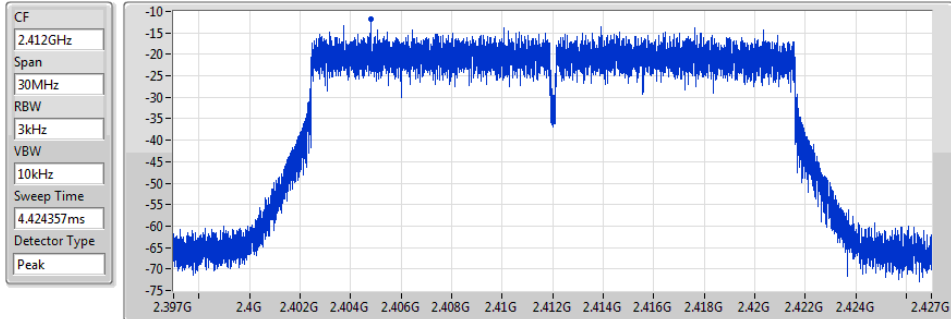


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

11/11/2019



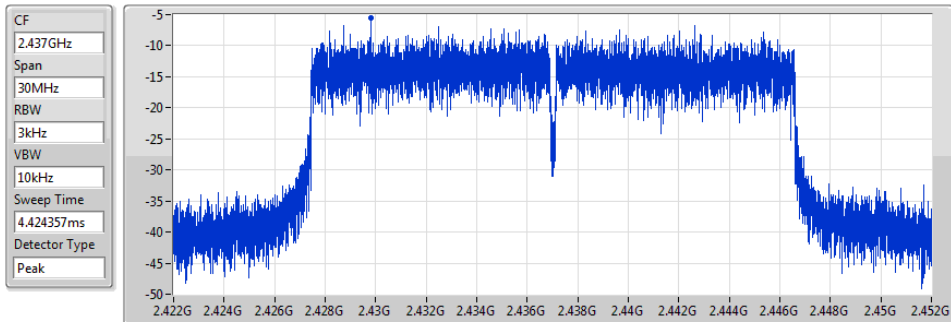
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.78	-11.78	-11.78

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



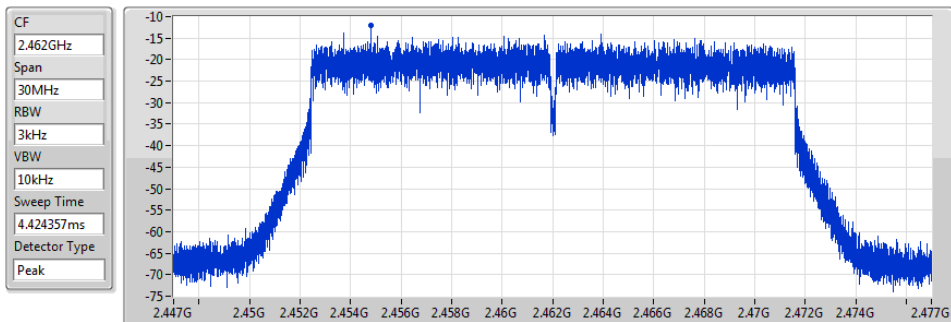
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.57	-5.57	-5.57

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

11/11/2019



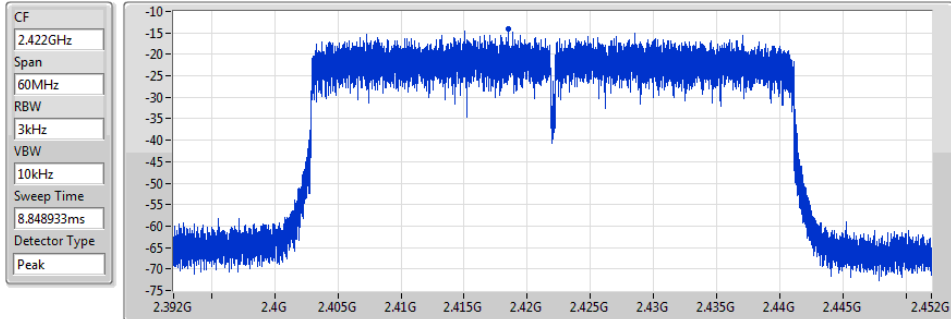
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.13	-12.13	-12.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

11/11/2019



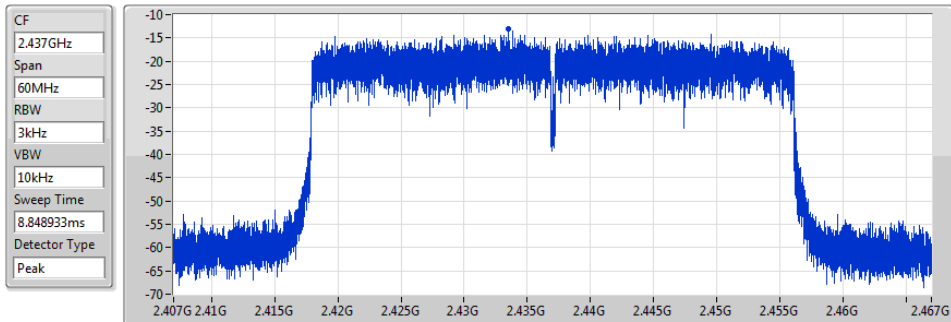
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.13	-14.13	-14.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

11/11/2019



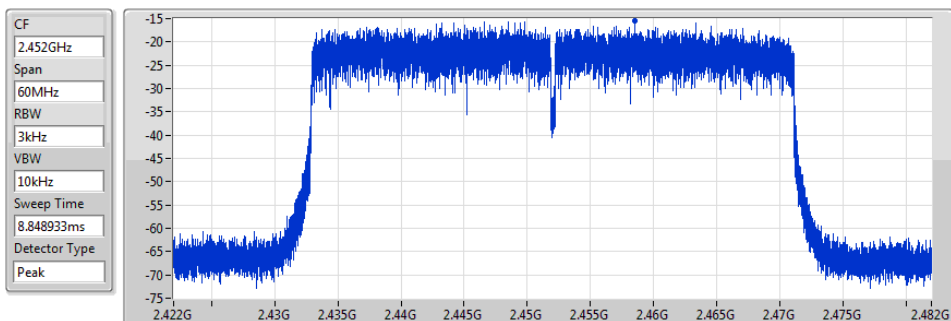
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.13	-13.13	-13.13

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;

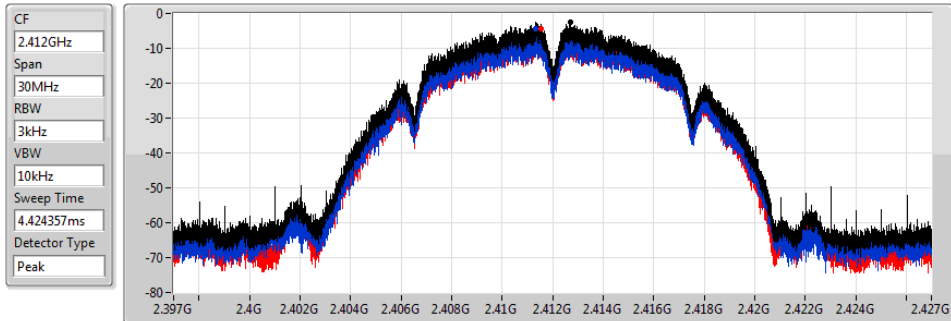
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

2412MHz

PSD

13/11/2019



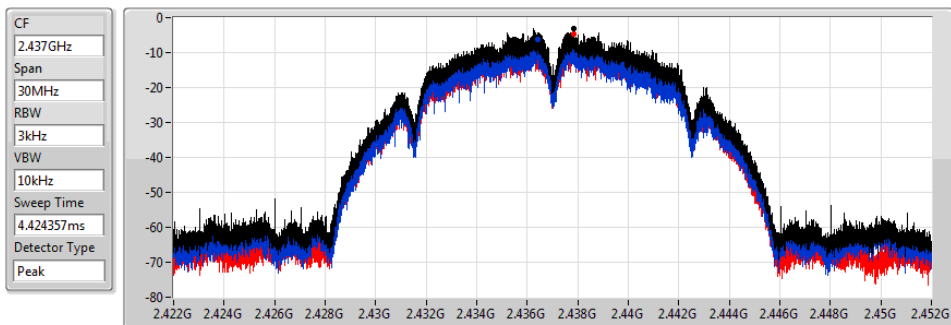
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.51	-2.51	-4.33	-4.47

802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

13/11/2019



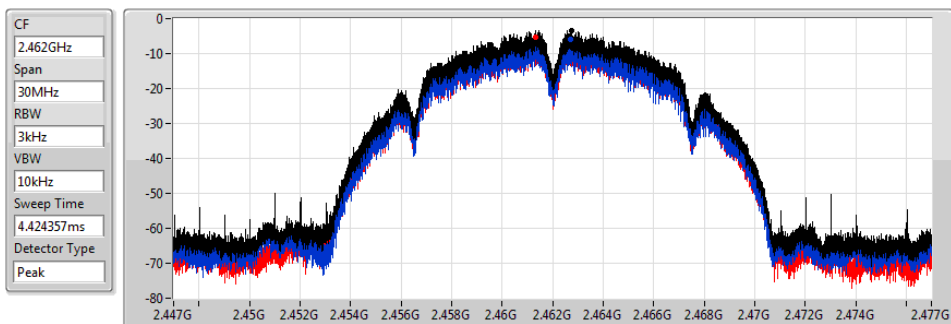
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-6.28	-4.68

802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

13/11/2019



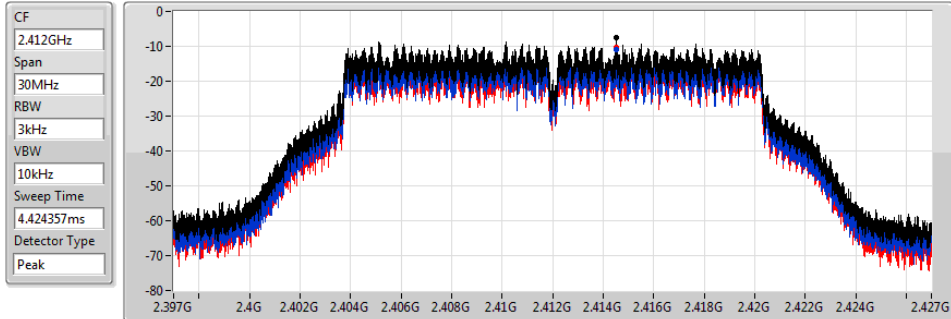
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.41	-3.41	-5.80	-5.23

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

13/11/2019



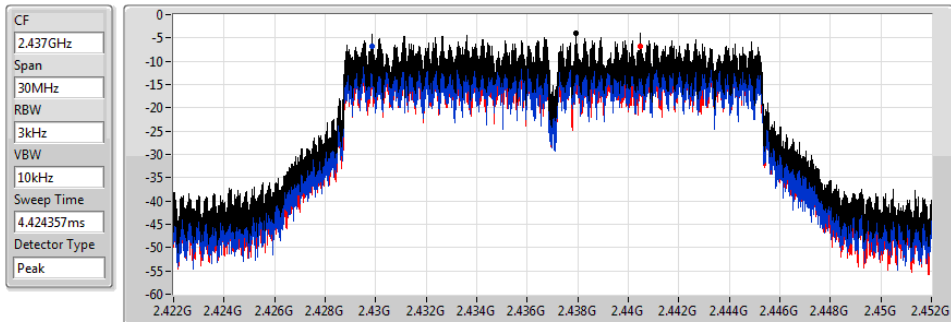
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.59	-7.59	-10.86	-10.35

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

13/11/2019



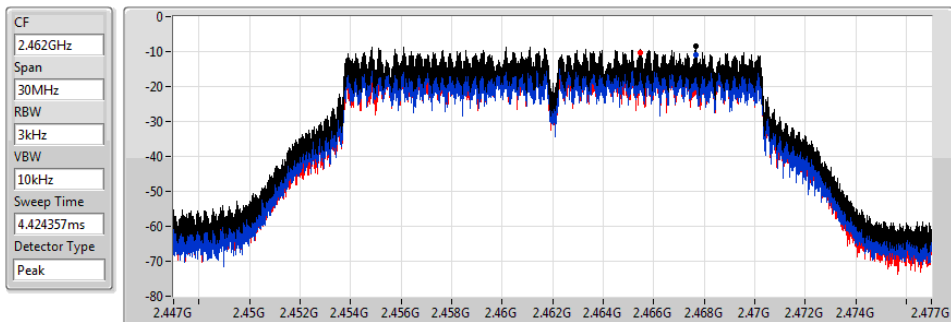
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.00	-4.00	-6.80	-6.68

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

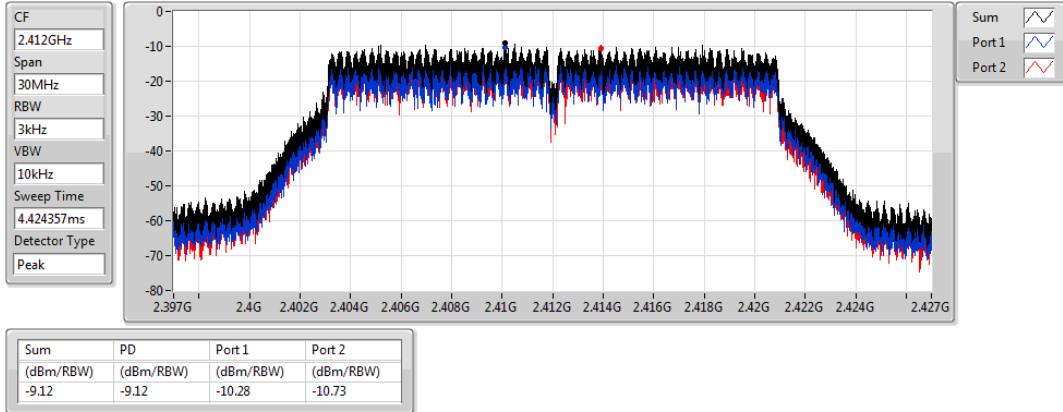
13/11/2019



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

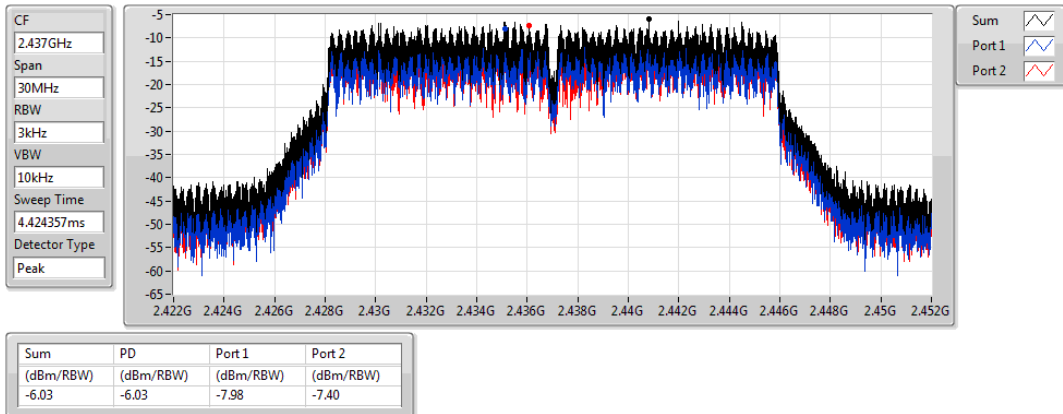
VHT20_Nss2,(MCS0)_2TX

2412MHz



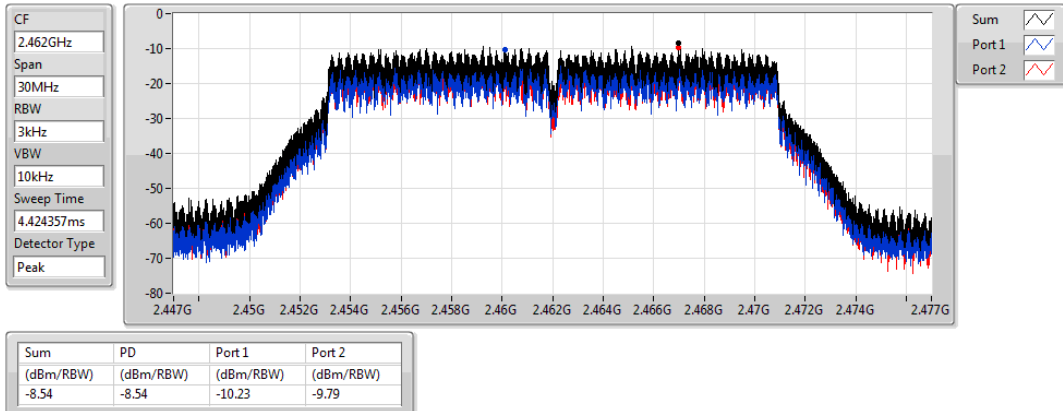
VHT20_Nss2,(MCS0)_2TX

2437MHz



VHT20_Nss2,(MCS0)_2TX

2462MHz

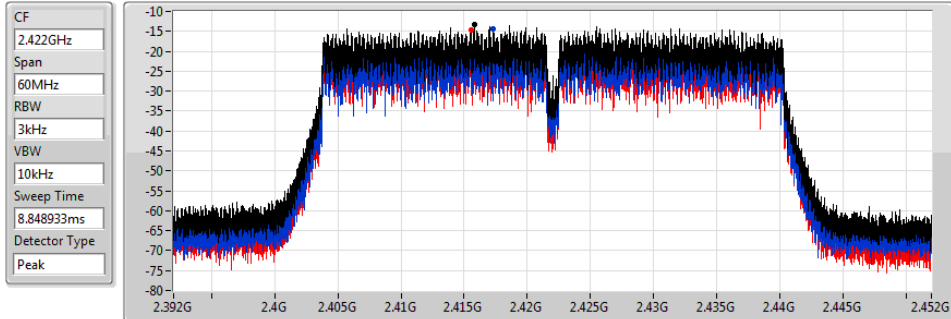


VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

13/11/2019



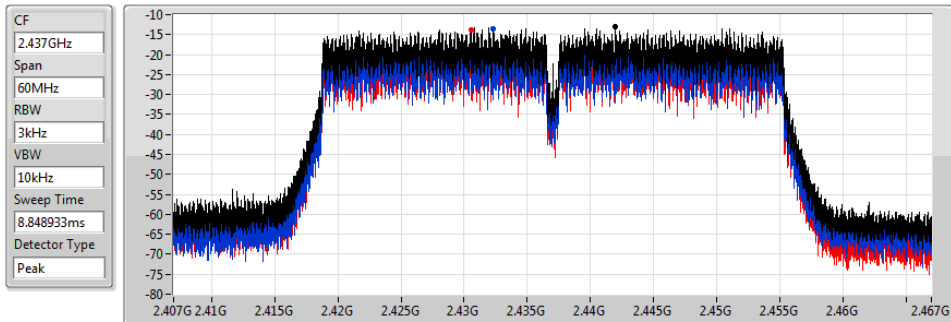
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.34	-13.34	-14.27	-14.67

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



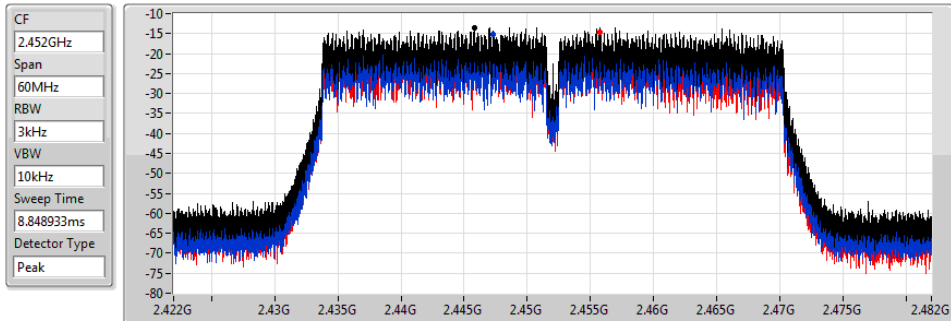
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.97	-12.97	-13.68	-13.84

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

13/11/2019



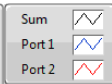
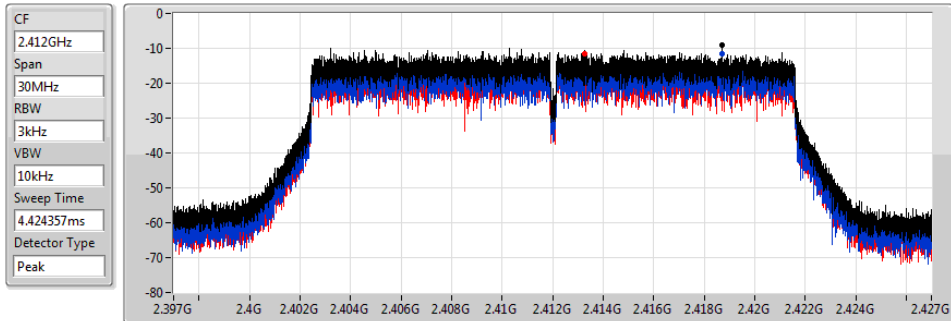
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.46	-13.46	-15.07	-14.59

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

13/11/2019



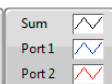
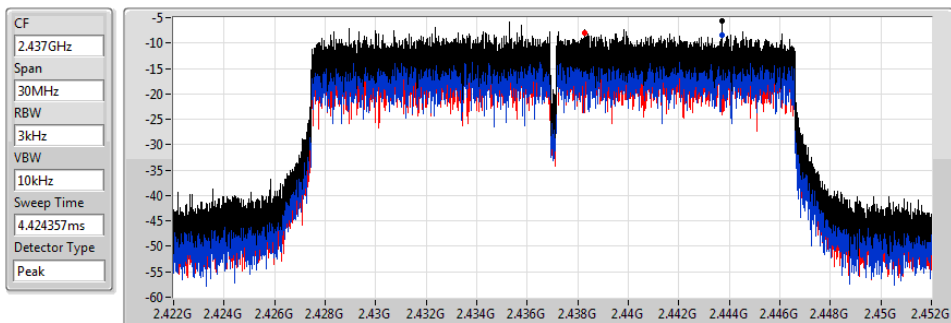
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.08	-9.08	-11.57	-11.43

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



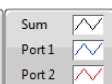
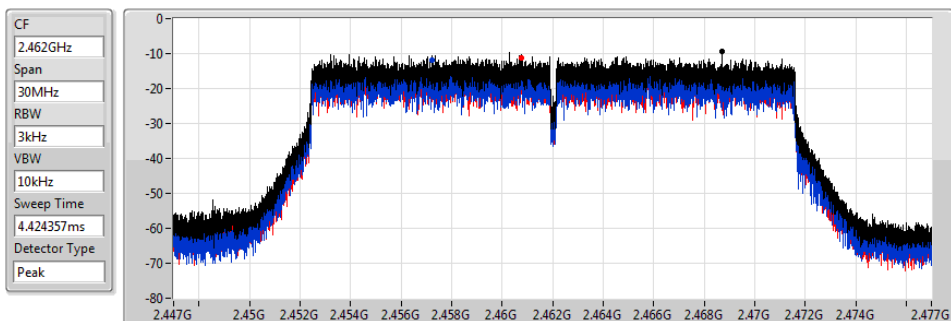
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-8.45	-7.91

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

13/11/2019



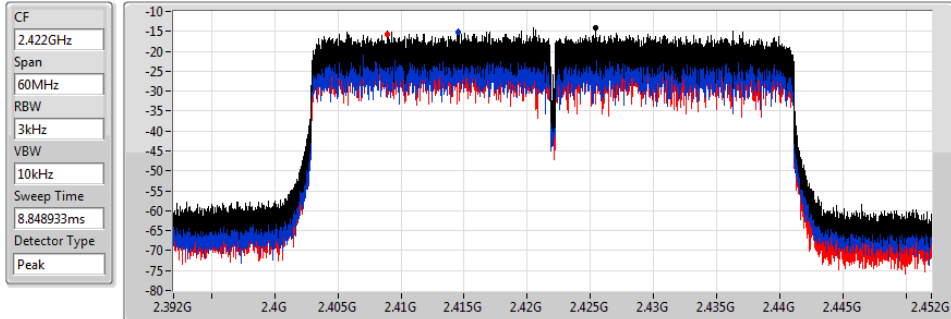
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.30	-9.30	-11.83	-11.30

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

13/11/2019



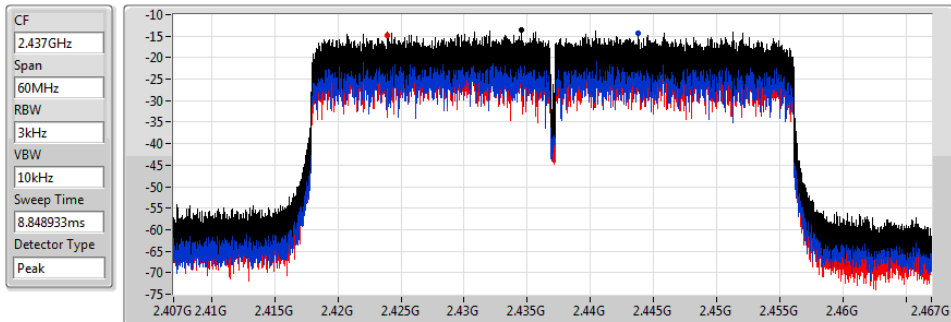
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.08	-14.08	-15.08	-15.71

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

13/11/2019



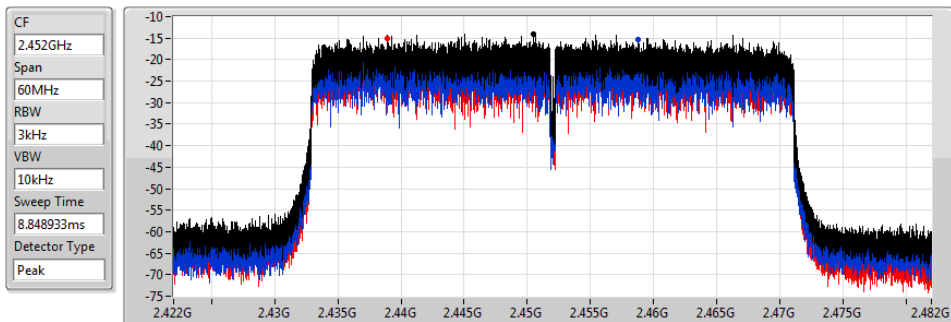
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.50	-13.50	-14.43	-14.73

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

13/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-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;

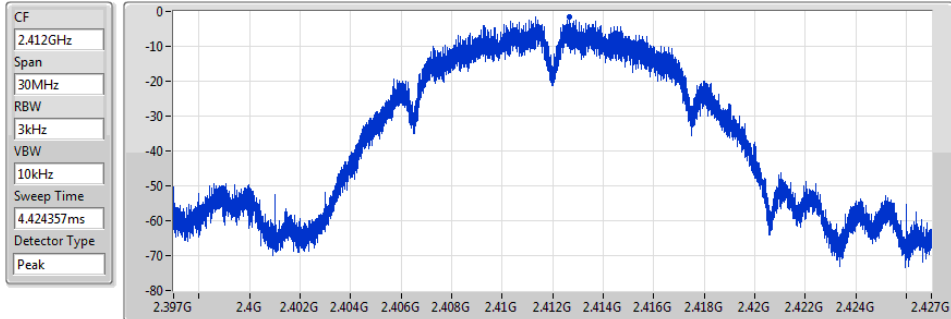
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

14/11/2019



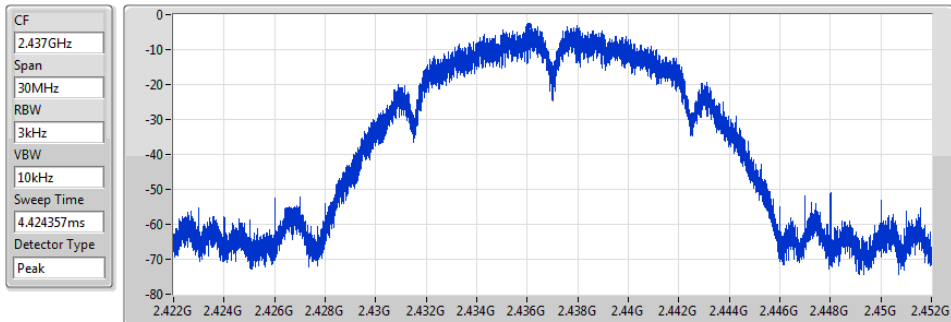
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-1.51

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

14/11/2019



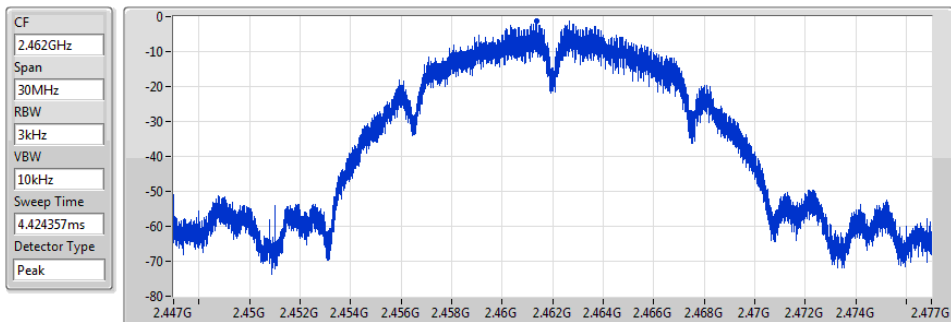
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.16	-3.16	-3.16

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

14/11/2019



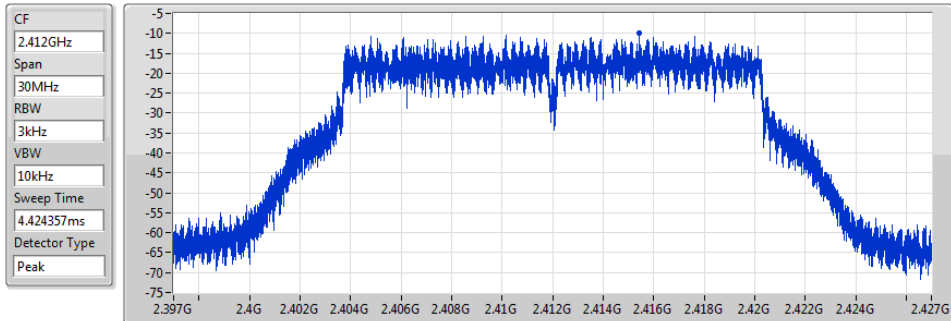
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.33	-1.33	-1.33

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

14/11/2019



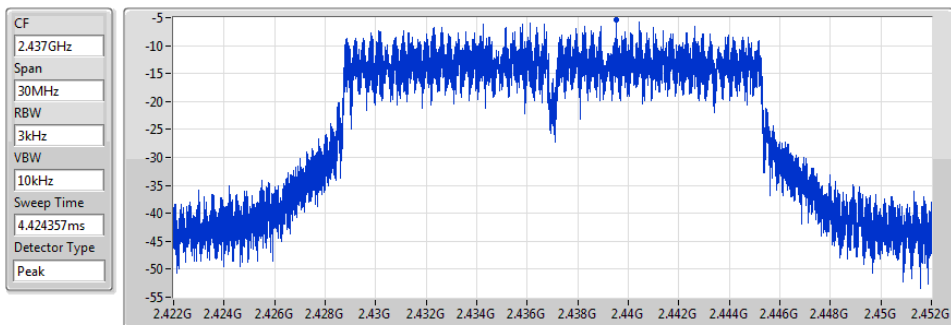
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.80	-9.80	-9.80

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

14/11/2019



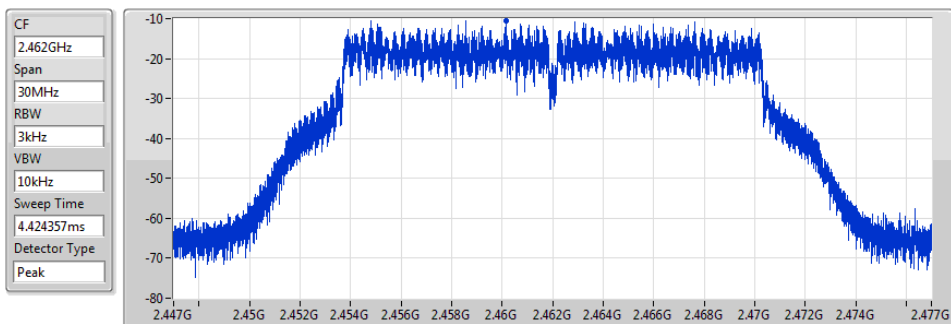
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.48	-5.48	-5.48

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

14/11/2019



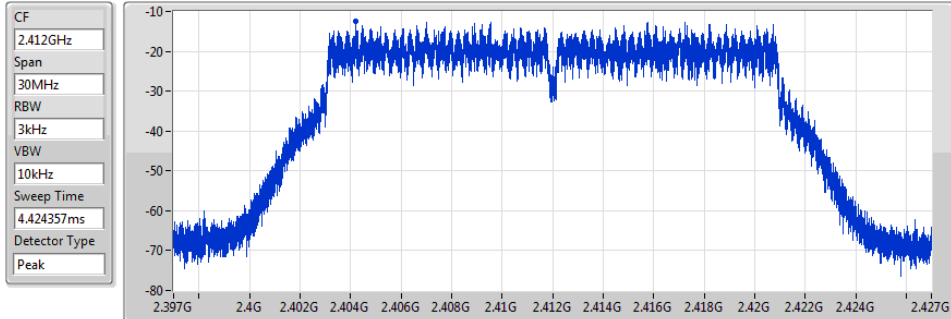
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.43	-10.43	-10.43

VHT20_Nss1,(MCS0)_1TX

PSD

2412MHz

14/11/2019



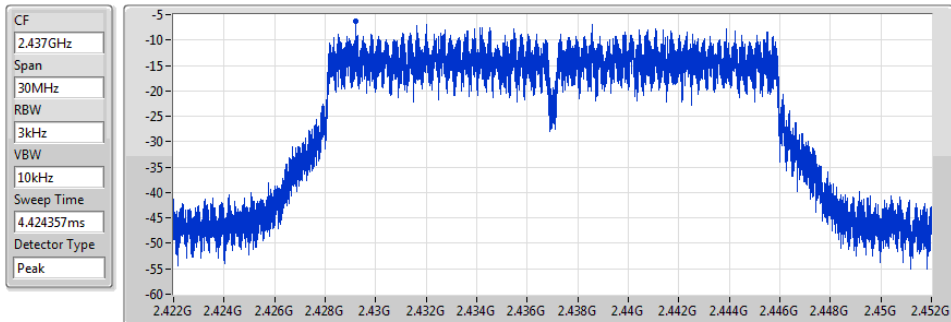
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.37	-12.37	-12.37

VHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



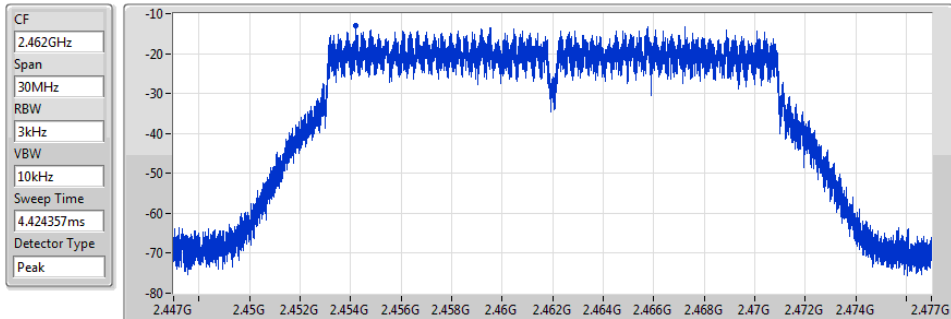
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.33	-6.33	-6.33

VHT20_Nss1,(MCS0)_1TX

PSD

2462MHz

14/11/2019



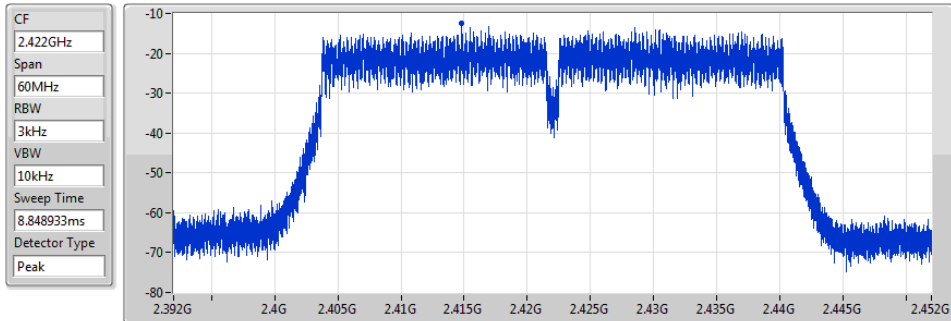
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.06	-13.06	-13.06

VHT40_Nss1,(MCS0)_1TX

PSD

2422MHz

14/11/2019



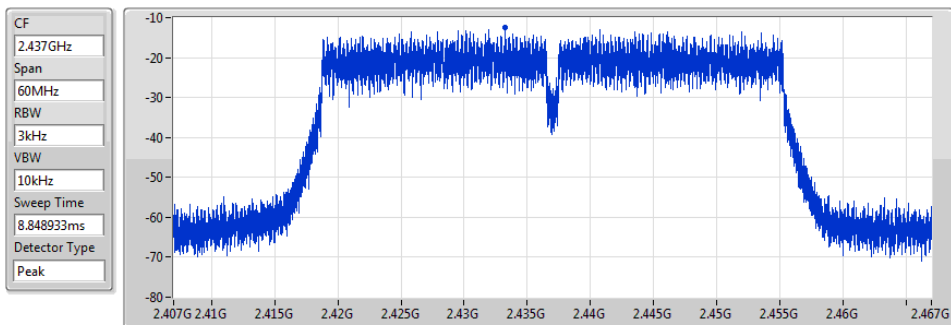
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.53	-12.53	-12.53

VHT40_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



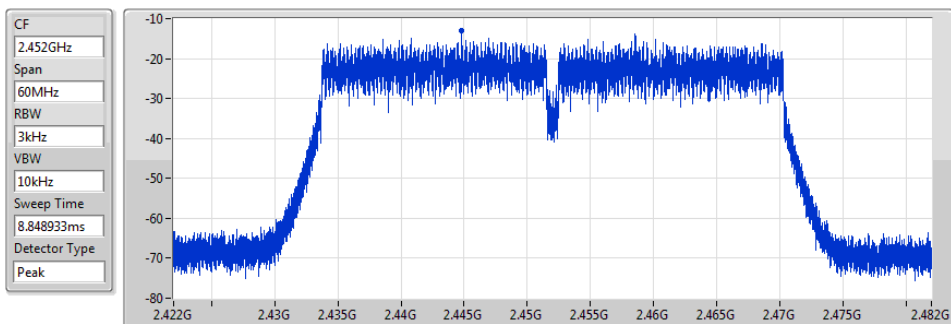
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.43	-12.43	-12.43

VHT40_Nss1,(MCS0)_1TX

PSD

2452MHz

14/11/2019



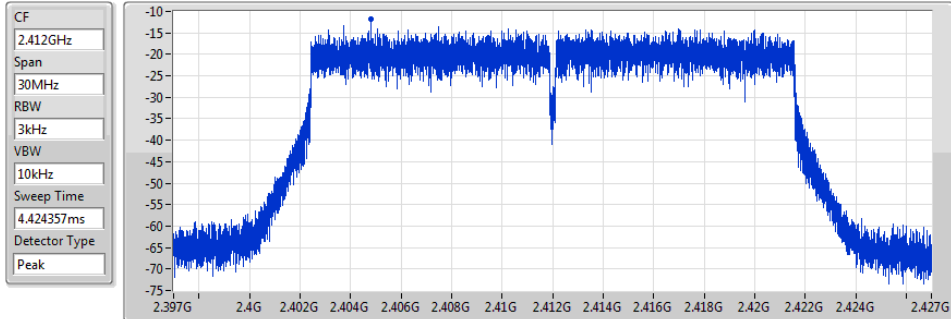
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.04	-13.04	-13.04

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

14/11/2019



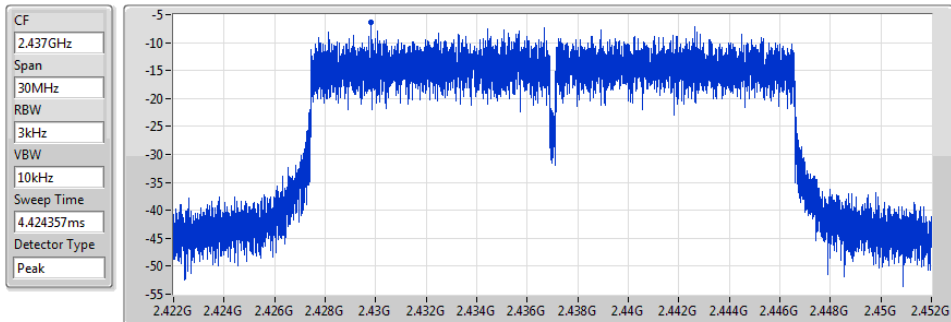
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.82	-11.82	-11.82

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



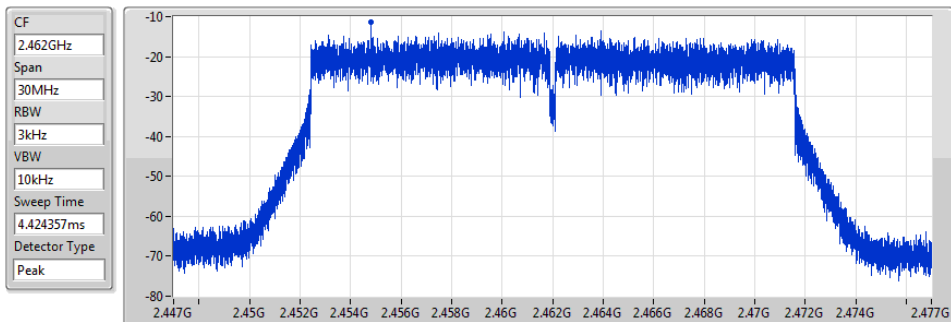
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.43	-6.43	-6.43

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

14/11/2019



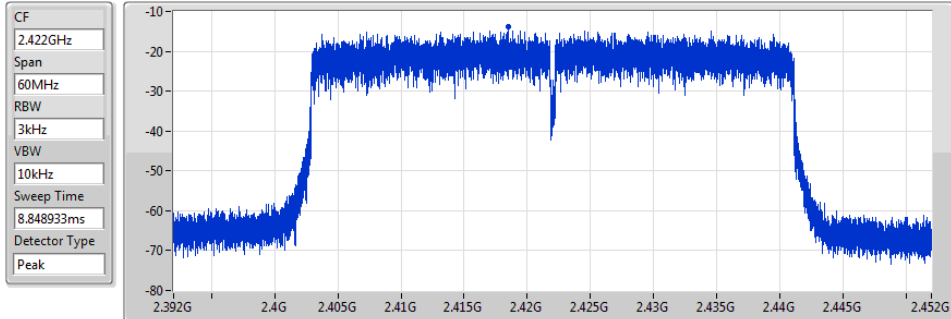
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.42	-11.42	-11.42

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

14/11/2019



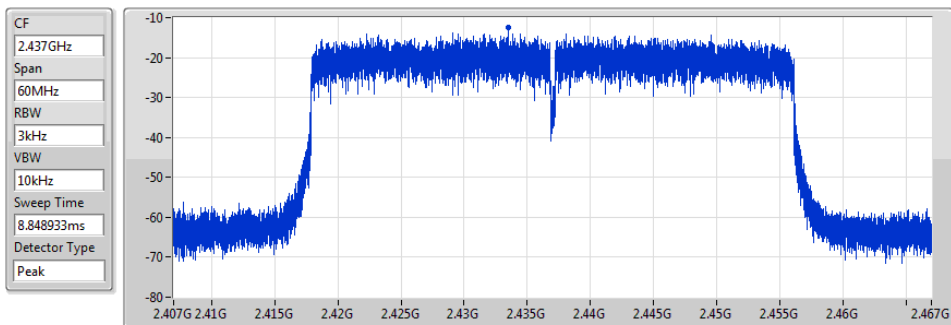
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.70	-13.70	-13.70

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

14/11/2019



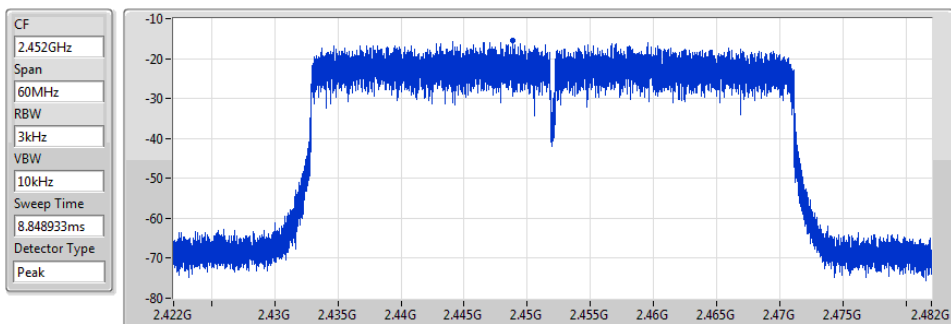
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.46	-12.46	-12.46

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;

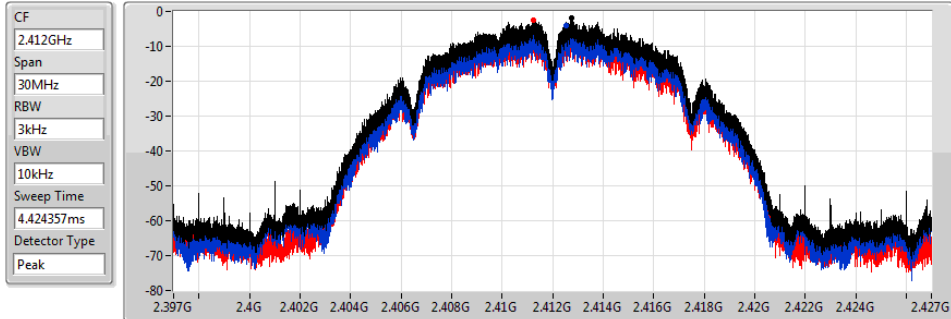
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

14/11/2019



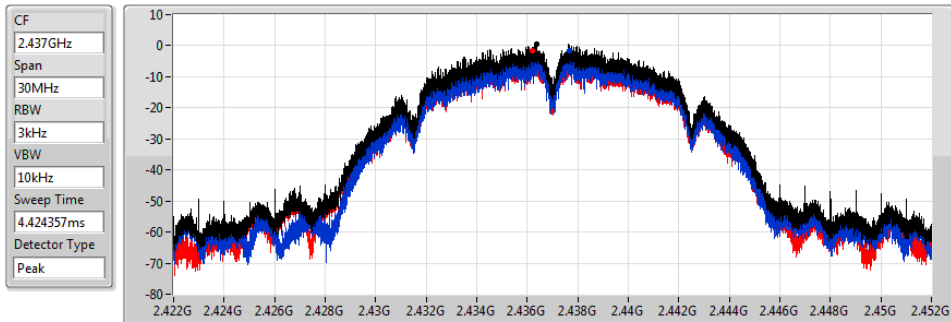
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.72	-1.72	-4.03	-2.57

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

14/11/2019



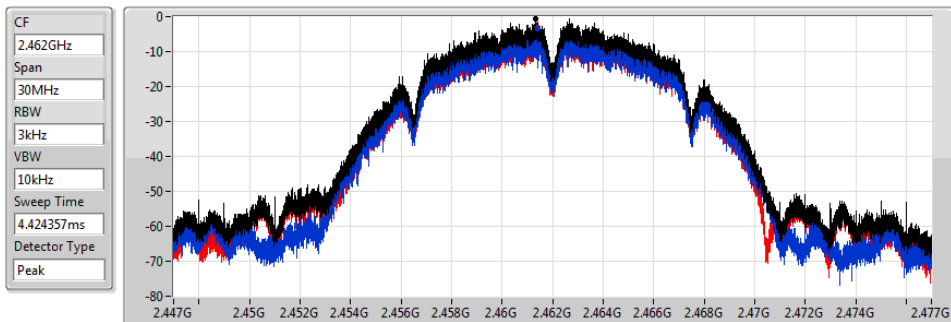
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.41	0.41	-1.54	-1.61

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

14/11/2019



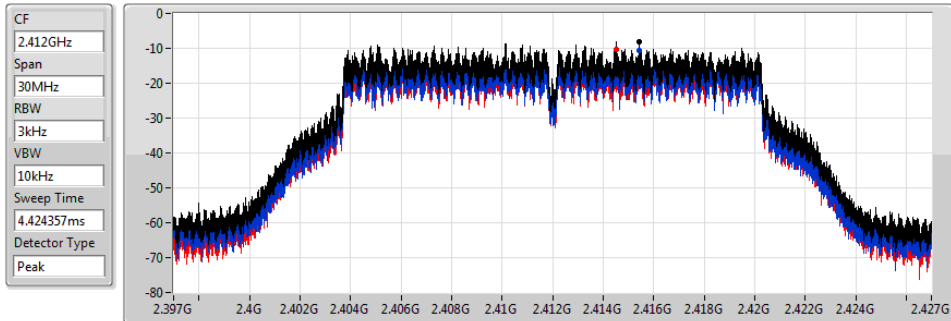
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.62	-0.62	-3.29	-2.99

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

14/11/2019



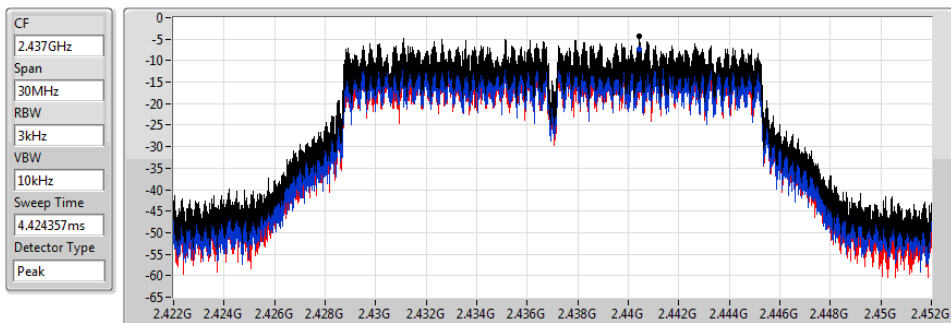
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.07	-8.07	-10.53	-10.26

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

14/11/2019



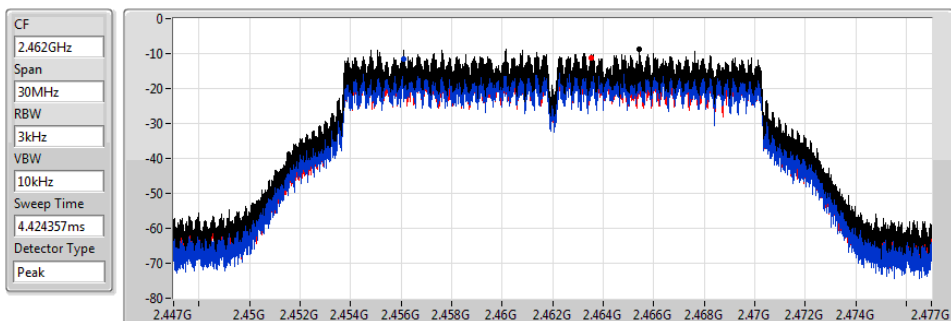
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.30	-4.30	-7.34	-7.28

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

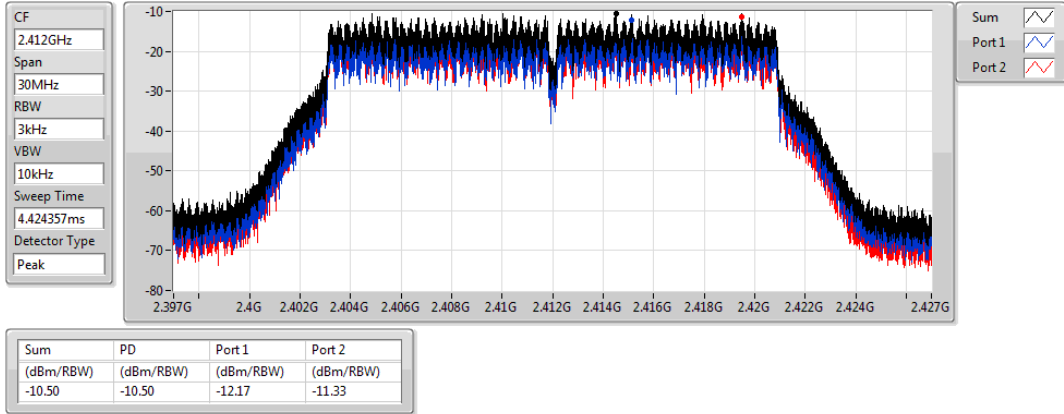
14/11/2019



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

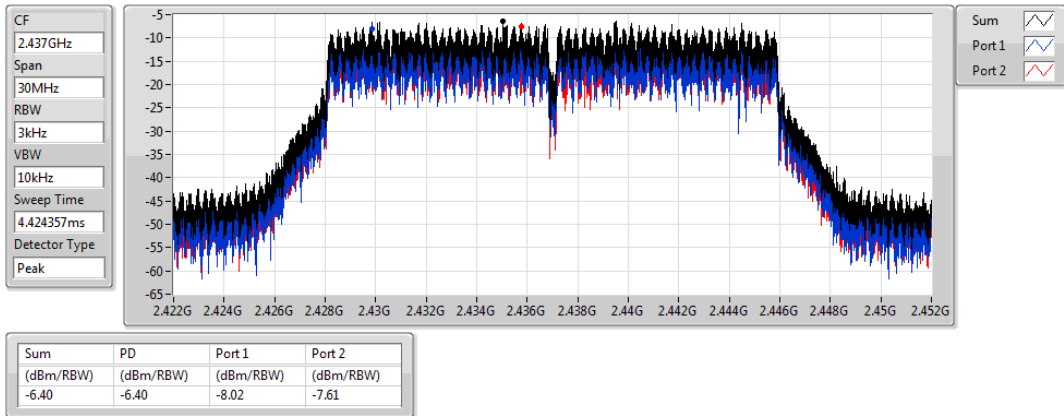
VHT20_Nss2,(MCS0)_2TX

2412MHz



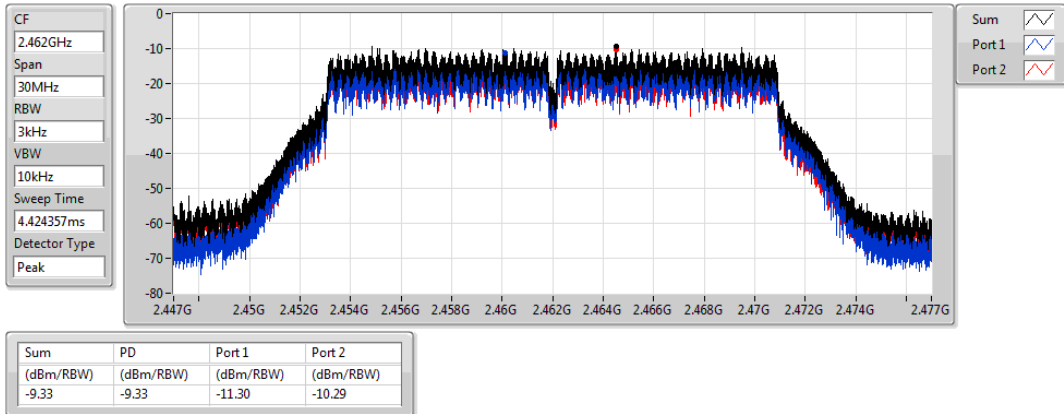
VHT20_Nss2,(MCS0)_2TX

2437MHz



VHT20_Nss2,(MCS0)_2TX

2462MHz

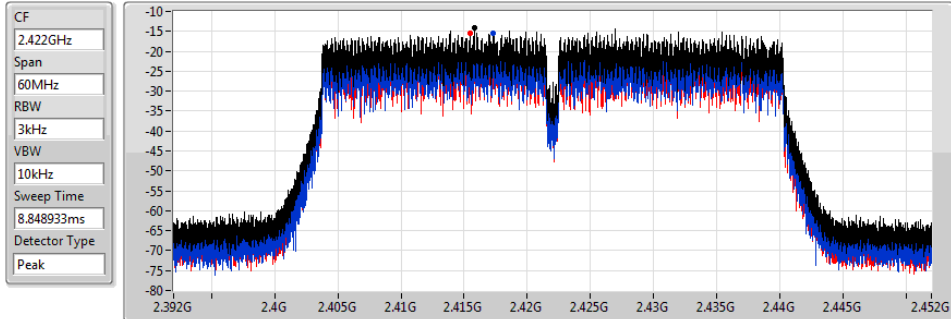


VHT40_Nss2,(MCS0)_2TX

PSD

2422MHz

14/11/2019



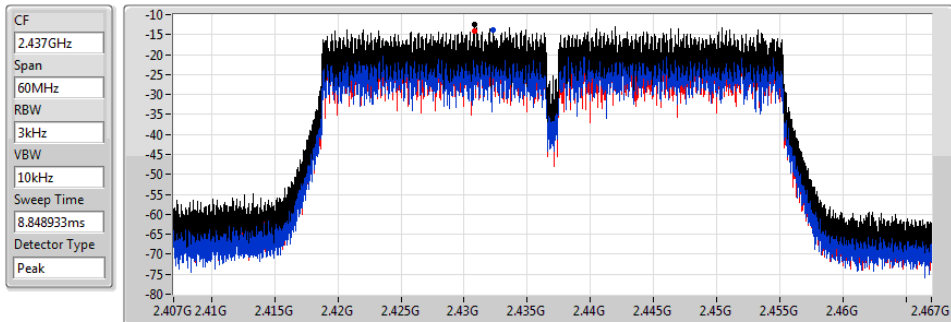
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.02	-14.02	-15.56	-15.44

VHT40_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



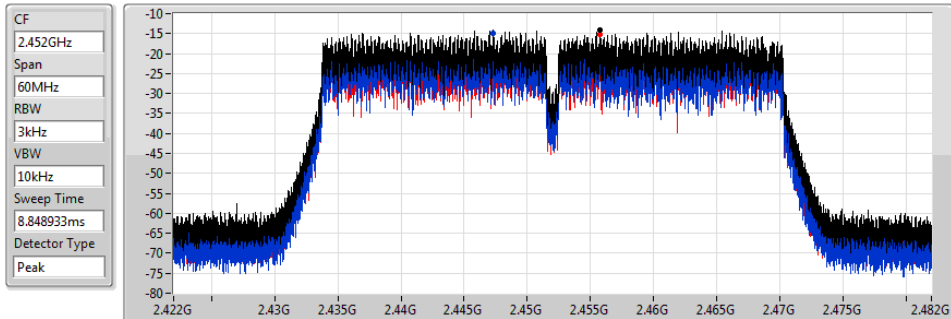
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.38	-12.38	-13.92	-13.99

VHT40_Nss2,(MCS0)_2TX

PSD

2452MHz

14/11/2019



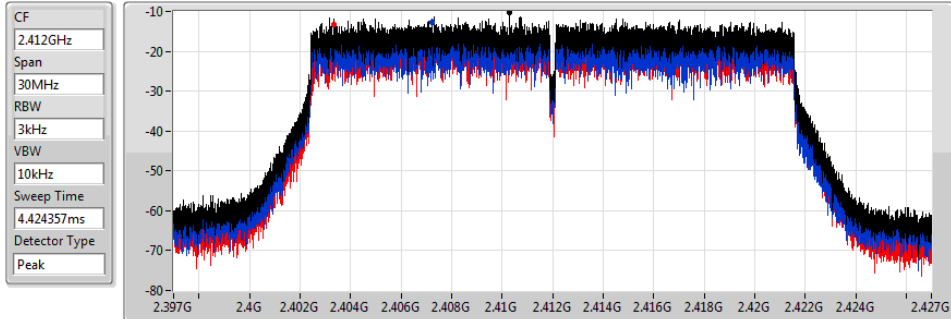
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.07	-14.07	-14.79	-15.30

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

14/11/2019



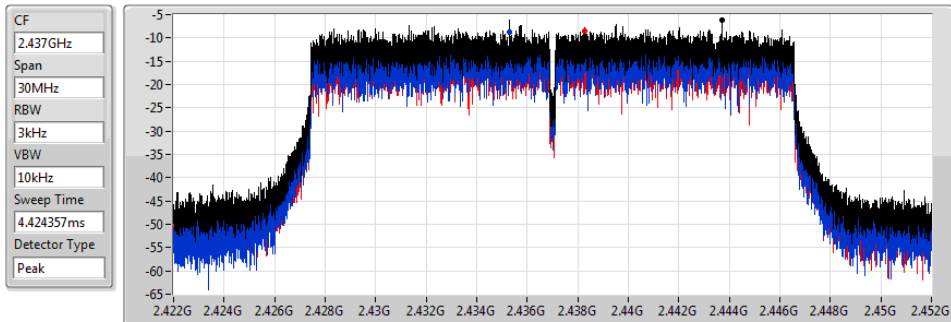
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.38	-10.38	-12.82	-13.19

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



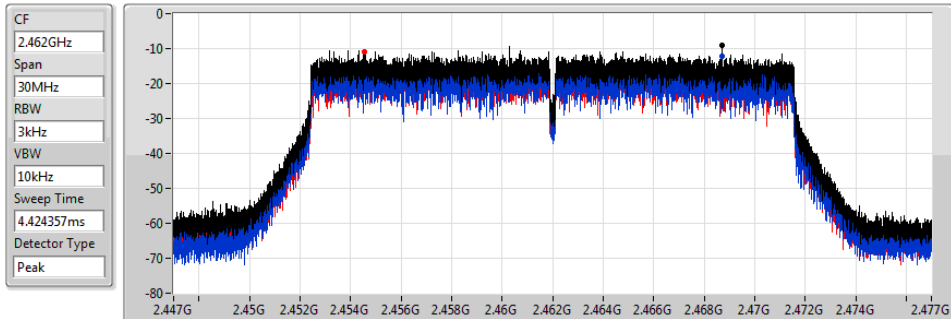
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.12	-6.12	-8.80	-8.54

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

14/11/2019



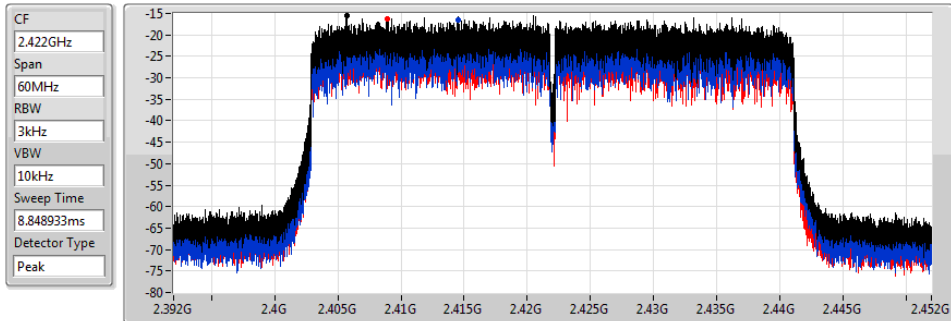
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.09	-9.09	-12.16	-11.09

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2422MHz

14/11/2019



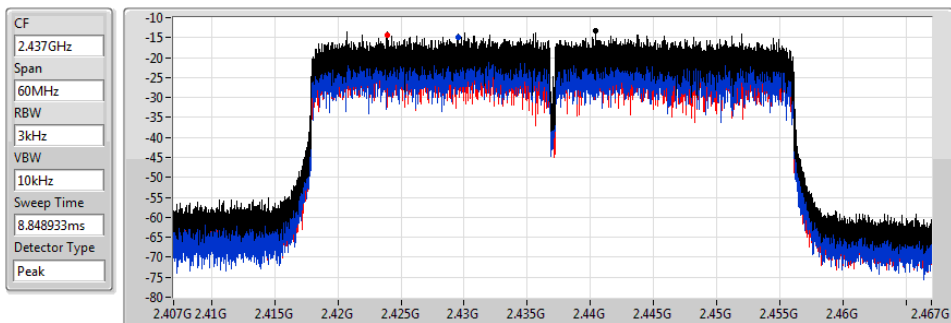
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.39	-15.39	-16.49	-16.34

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2437MHz

14/11/2019



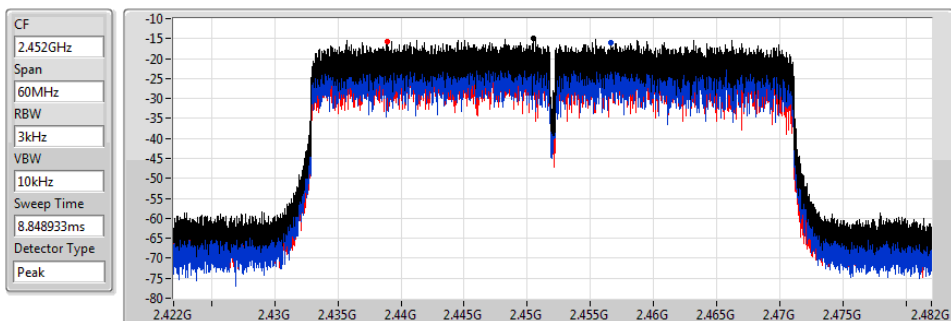
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.33	-13.33	-14.81	-14.51

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

2452MHz

14/11/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-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;

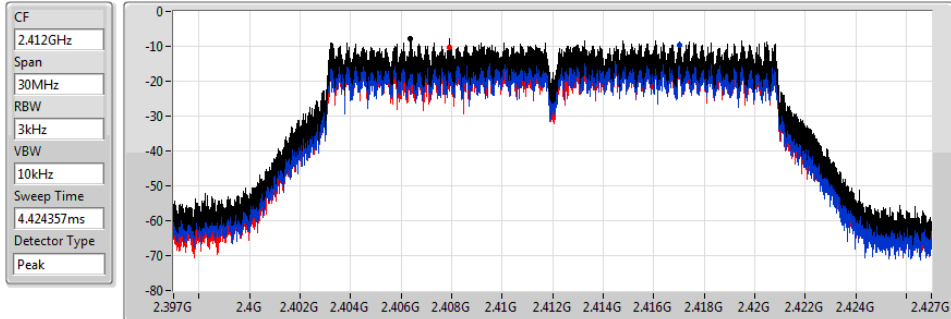
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



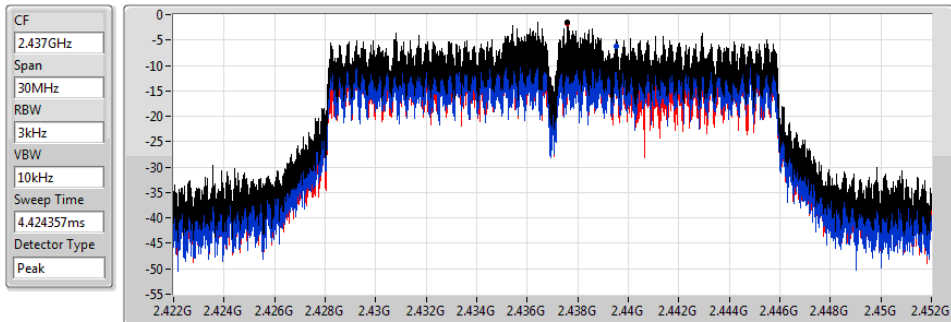
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.74	-7.74	-9.63	-10.35

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



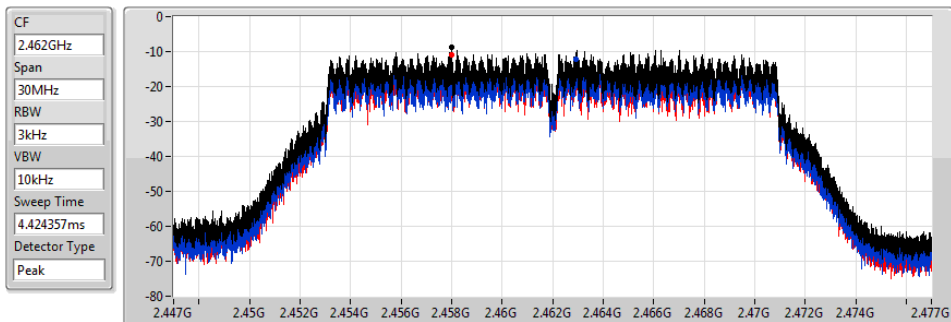
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-6.19	-1.78

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



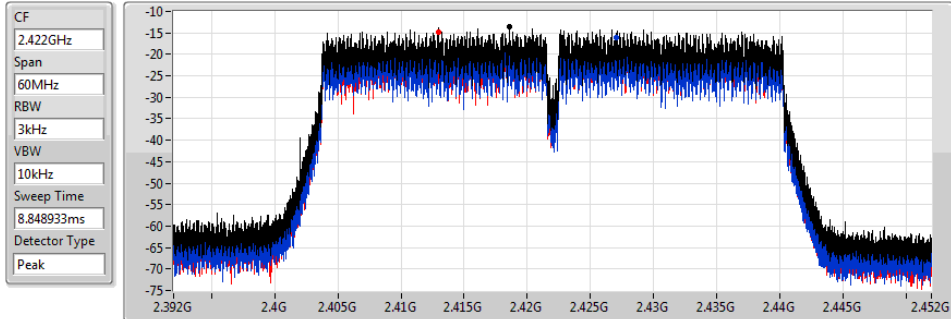
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.82	-8.82	-12.21	-10.91

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



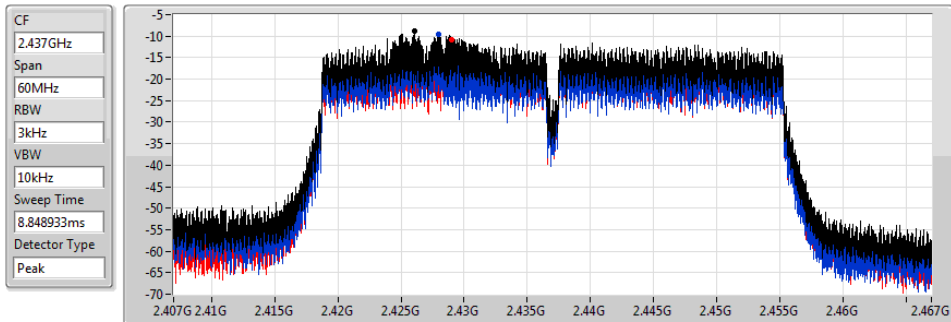
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.56	-13.56	-16.18	-14.84

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



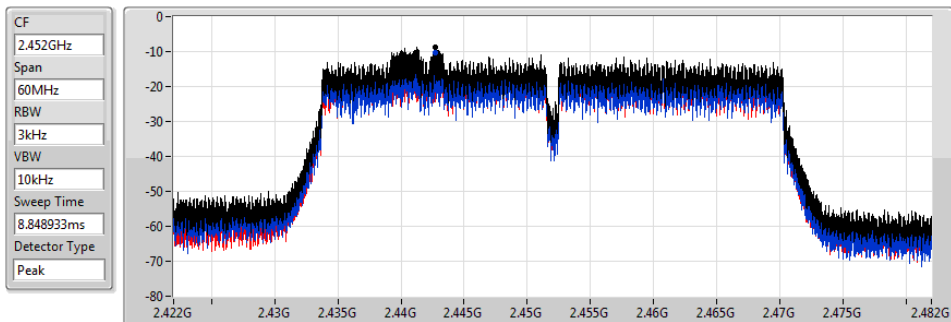
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.76	-8.76	-9.50	-10.77

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



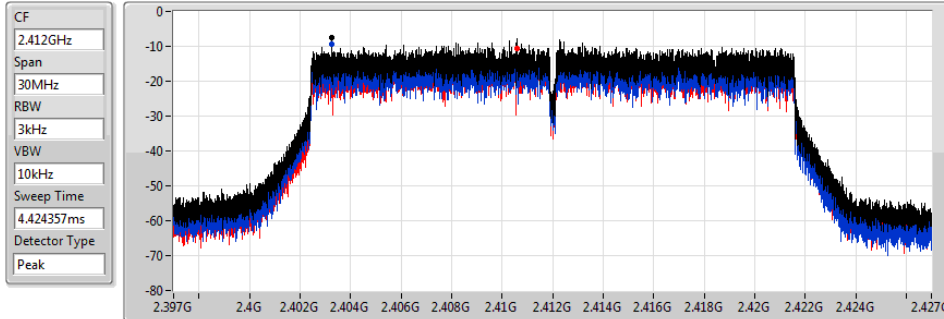
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.76	-8.76	-10.45	-10.34

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



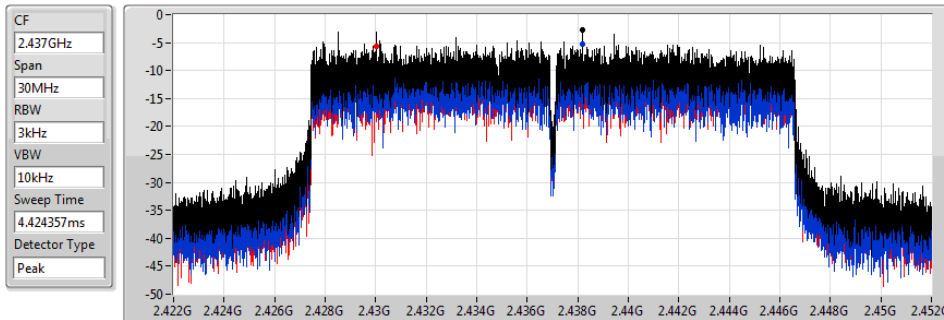
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.43	-7.43	-9.26	-10.58

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



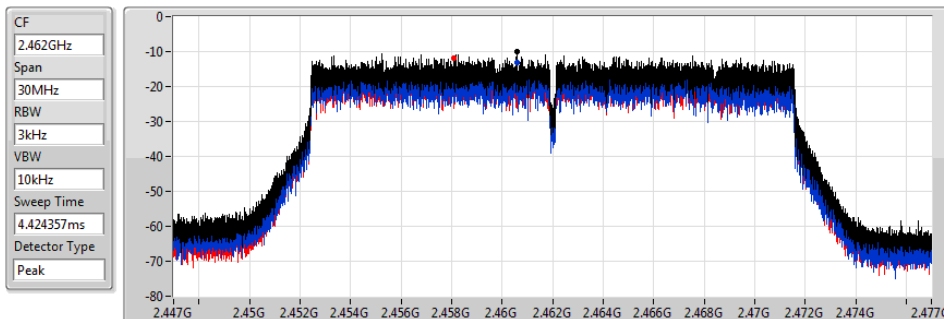
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.75	-2.75	-5.28	-5.75

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



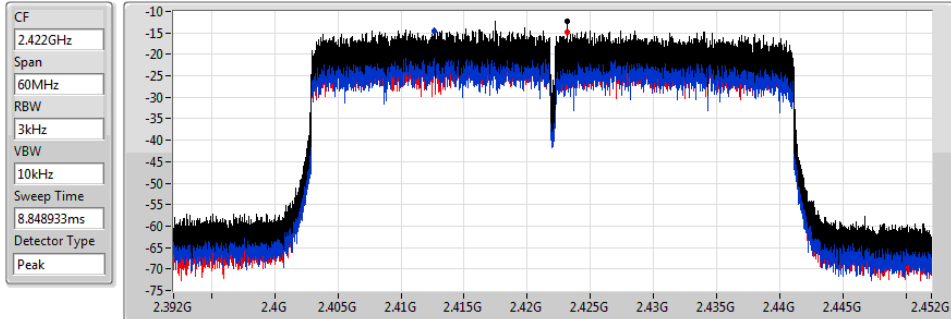
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.95	-9.95	-13.00	-11.94

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



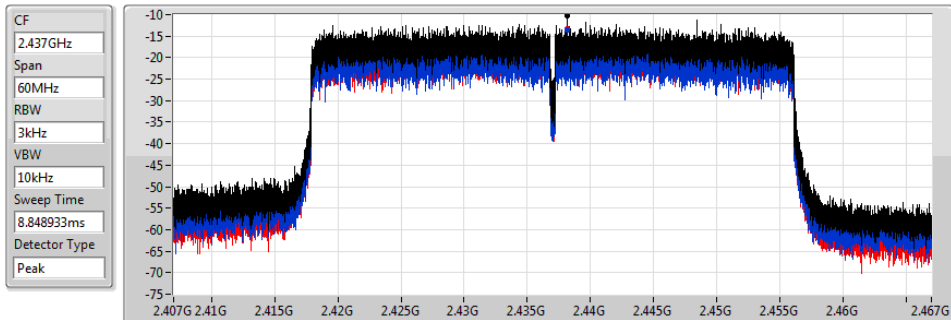
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.35	-12.35	-14.56	-14.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



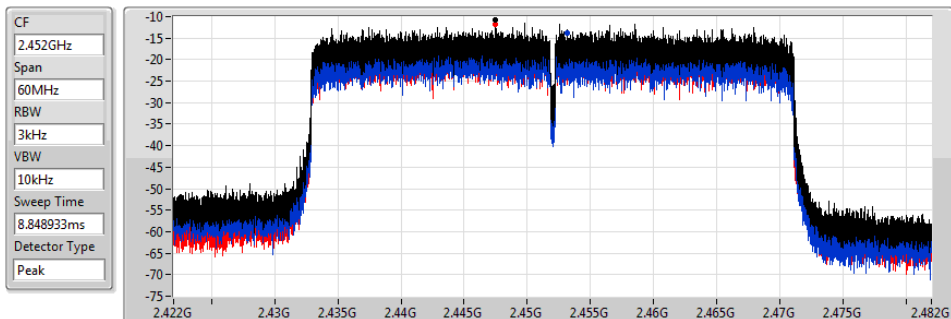
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.36	-10.36	-13.46	-13.28

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;

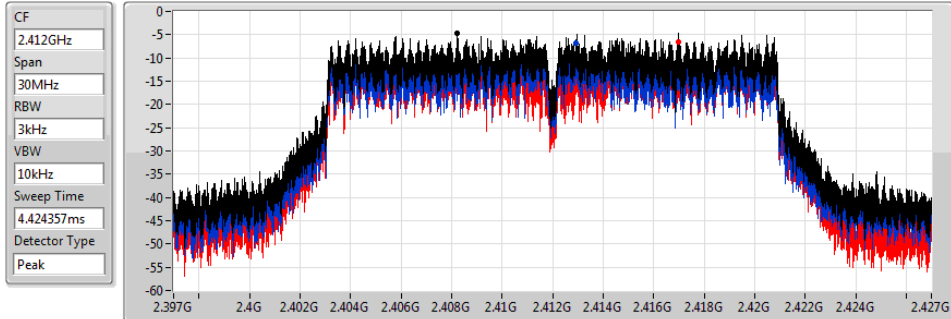
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



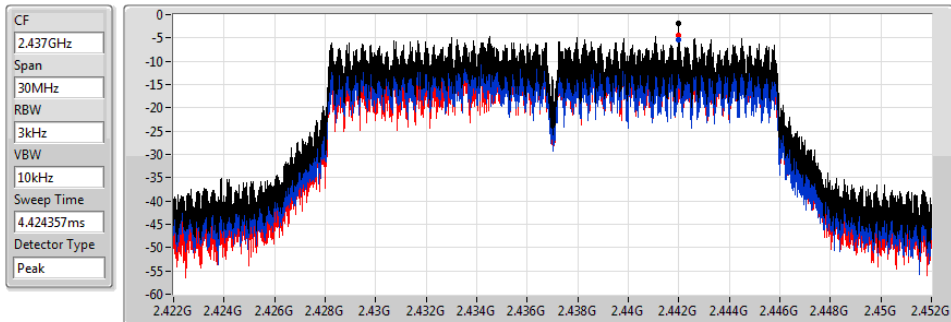
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-6.69	-6.46

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



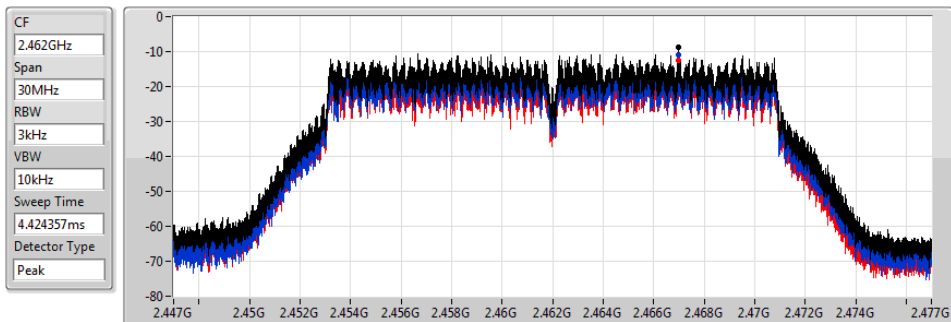
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.86	-1.86	-5.46	-4.35

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



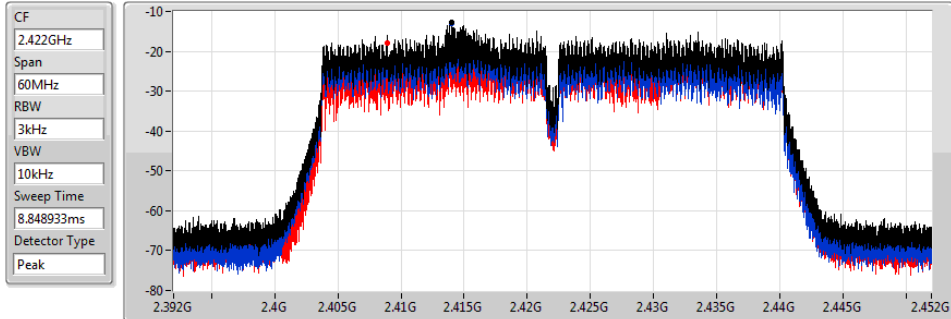
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.63	-8.63	-11.03	-12.36

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



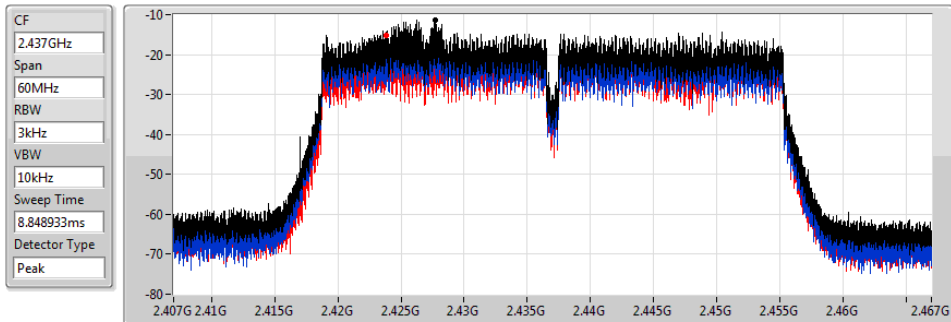
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.86	-12.86	-13.00	-17.90

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



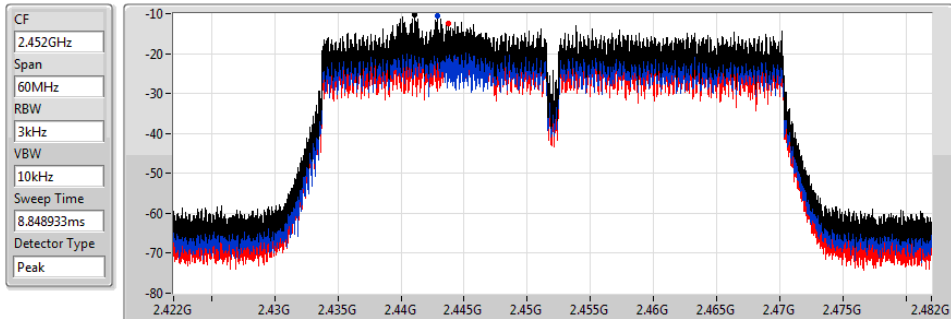
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.35	-11.35	-11.50	-15.31

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

04/12/2019



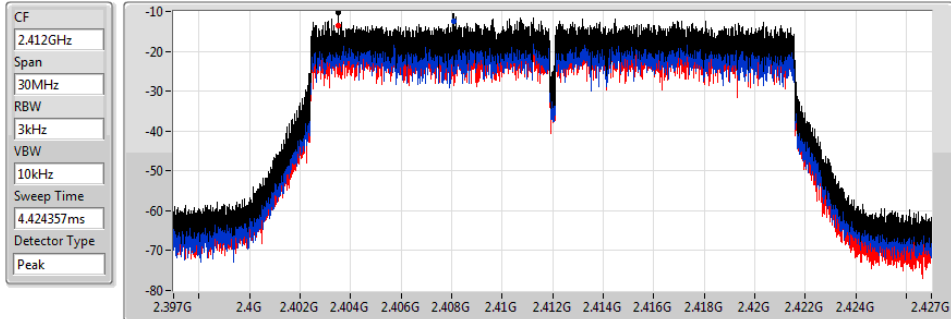
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.16	-10.16	-10.63	-12.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



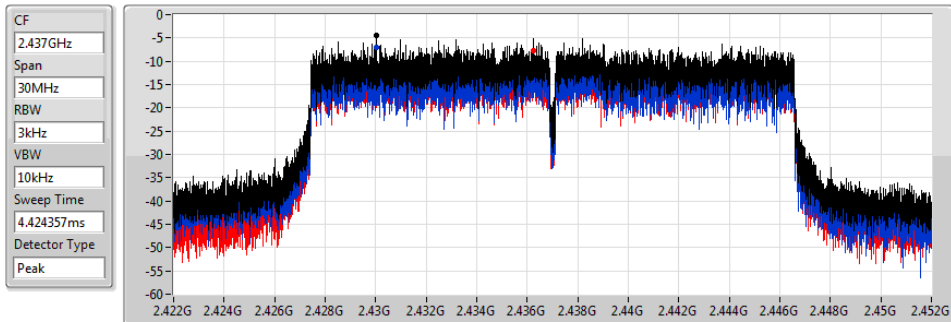
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-12.50	-13.49

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



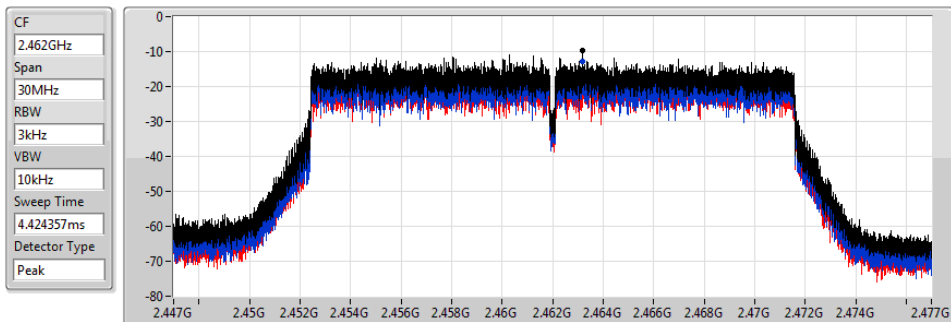
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-7.09	-7.80

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



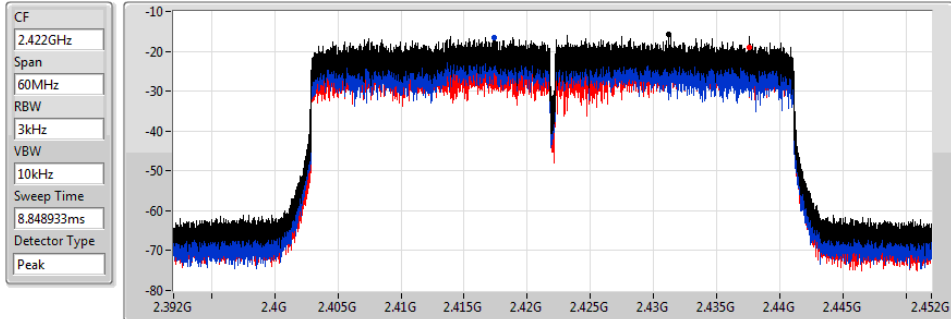
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.80	-9.80	-12.81	-12.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



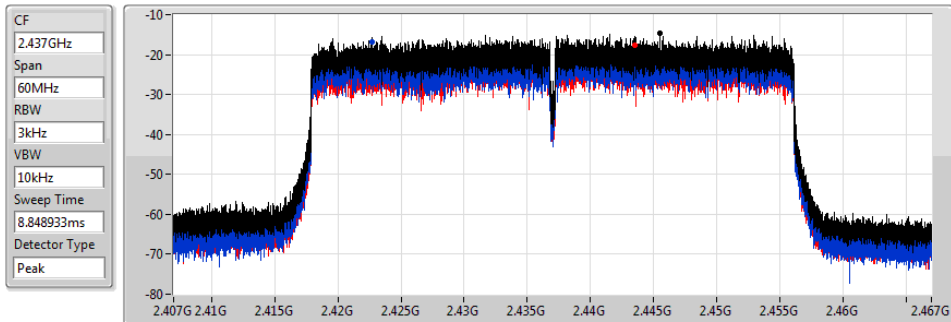
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.71	-15.71	-16.61	-19.09

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



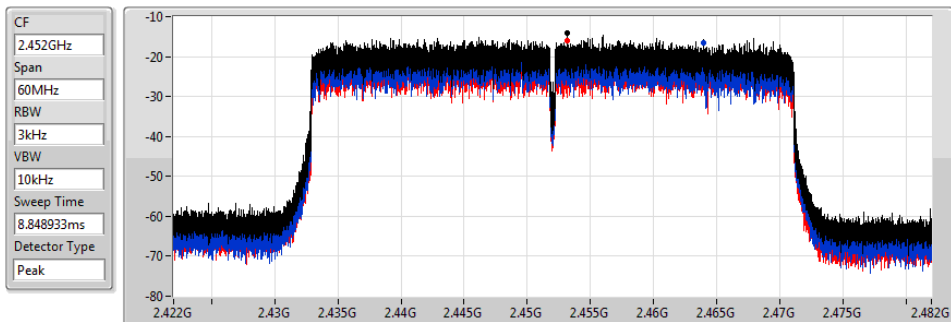
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.60	-14.60	-16.77	-17.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



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;

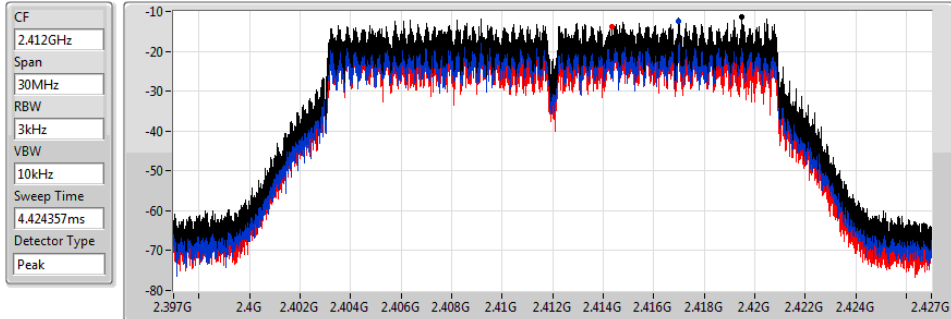
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

PSD

25/11/2019



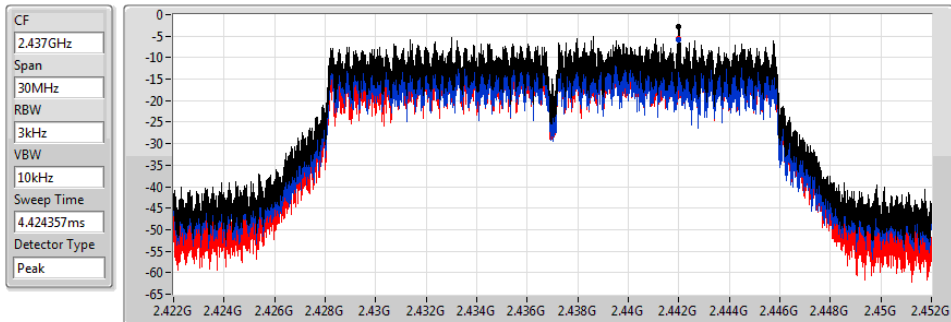
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.48	-11.48	-12.37	-13.95

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

25/11/2019



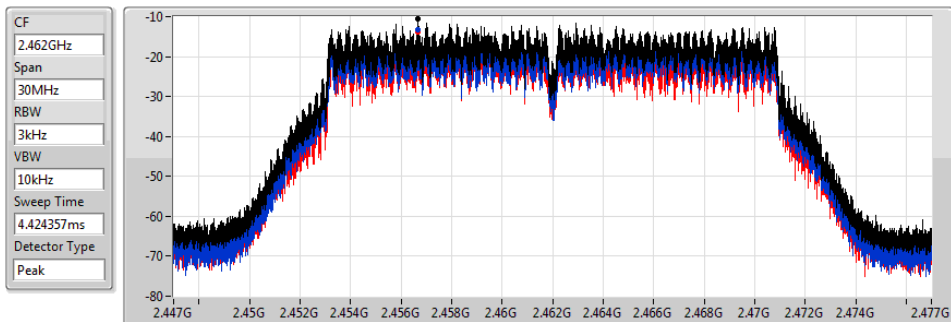
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.67	-2.67	-5.90	-5.48

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

PSD

25/11/2019



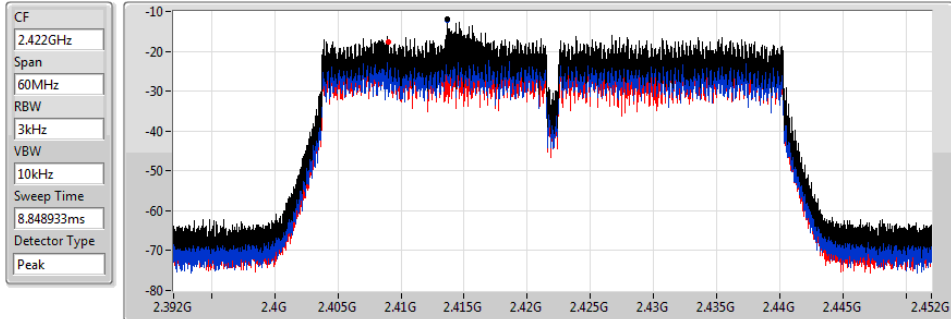
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.58	-10.58	-13.40	-13.79

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



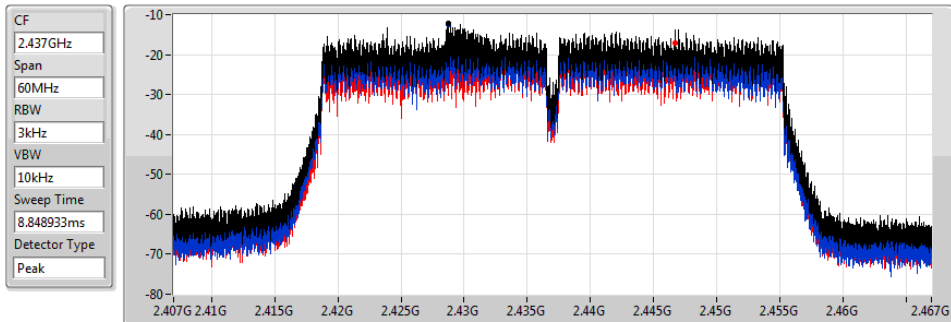
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.04	-12.04	-12.25	-17.67

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



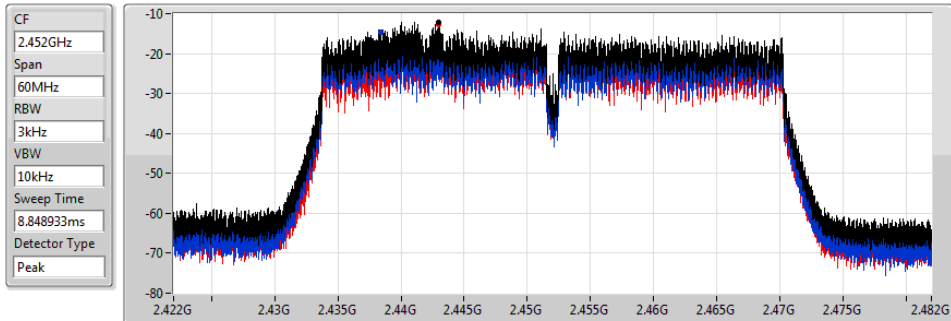
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.21	-12.21	-12.42	-17.00

VHT40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

25/11/2019



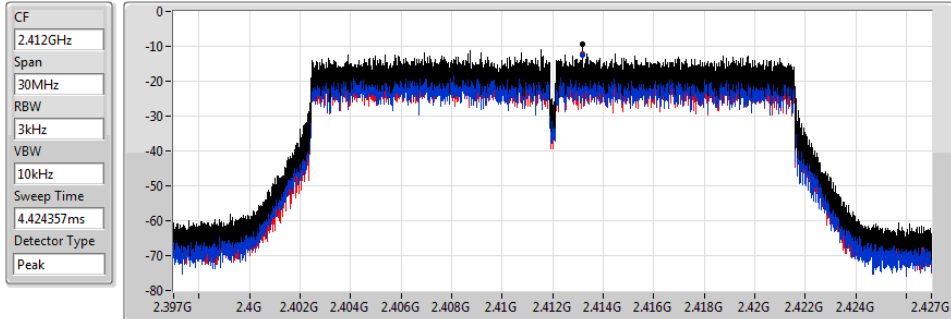
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.13	-12.13	-14.59	-12.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

04/12/2019



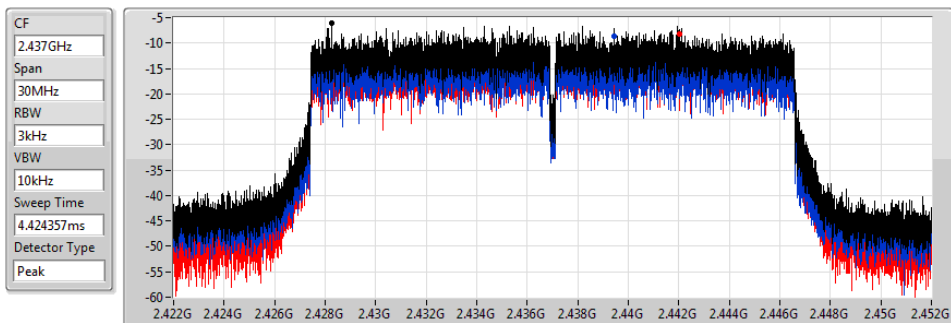
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-9.33	-9.33	-12.46	-12.23

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



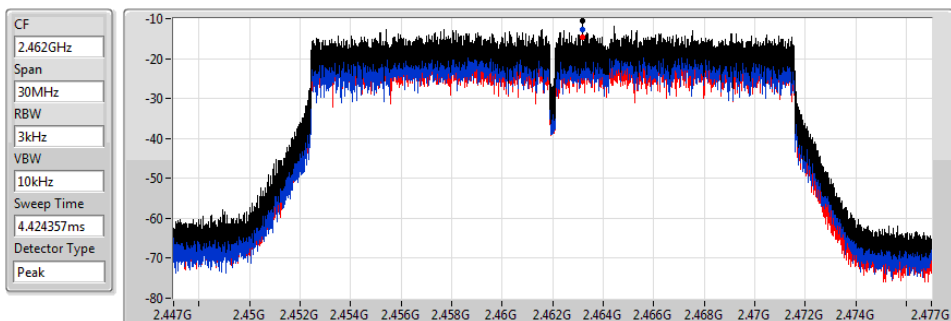
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-6.00	-6.00	-8.56	-8.19

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



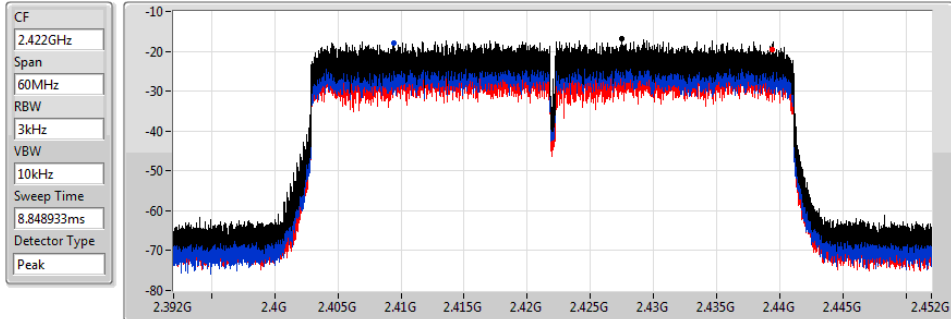
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-10.53	-10.53	-12.70	-14.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



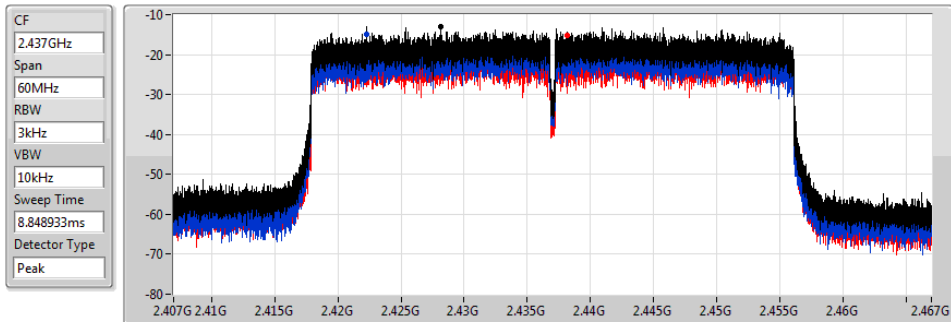
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.86	-16.86	-17.89	-19.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



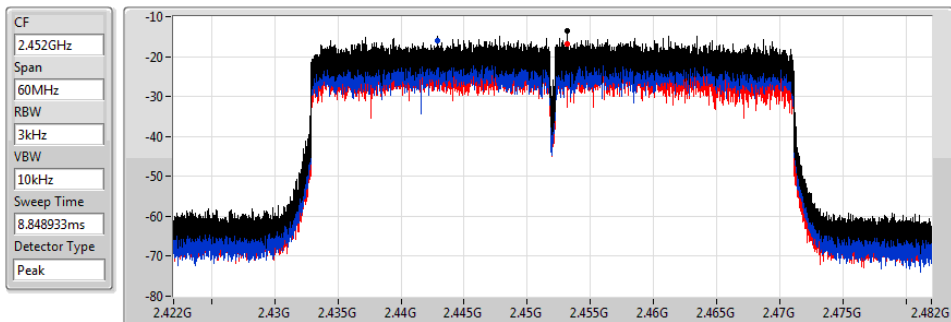
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.94	-12.94	-14.94	-15.30

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;

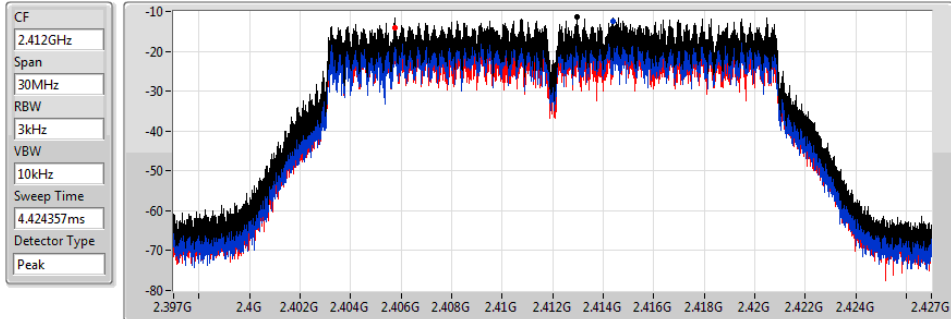
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



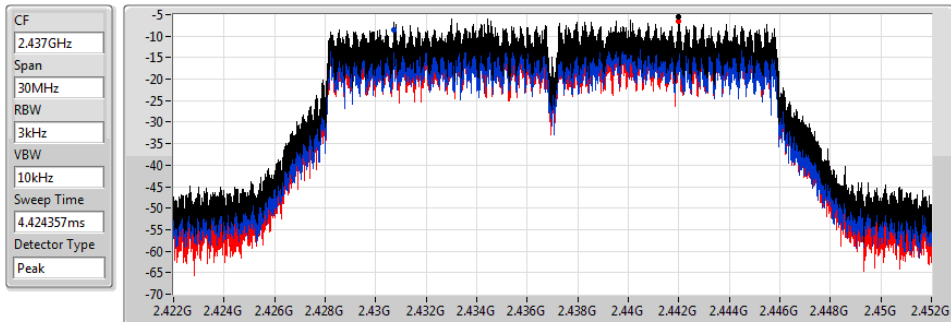
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.45	-11.45	-12.52	-14.04

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



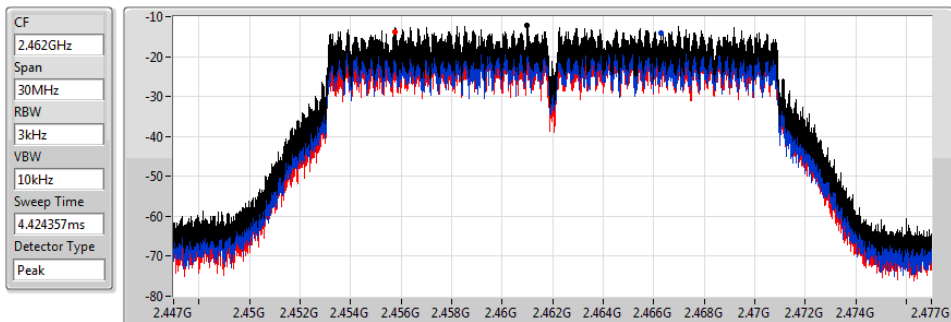
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.61	-5.61	-8.52	-6.50

VHT20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



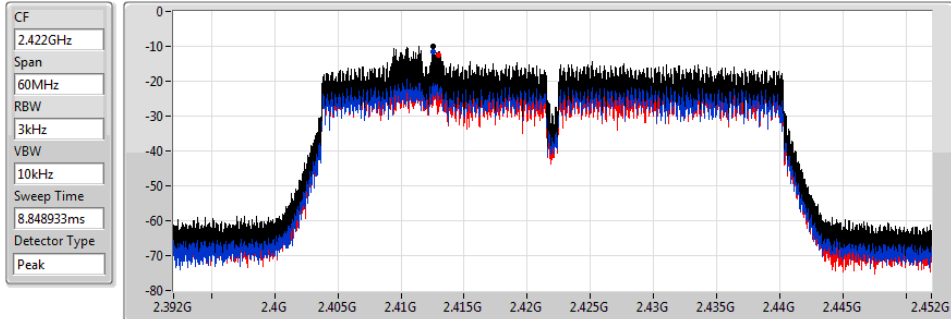
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.30	-12.30	-14.22	-13.90

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

PSD

25/11/2019



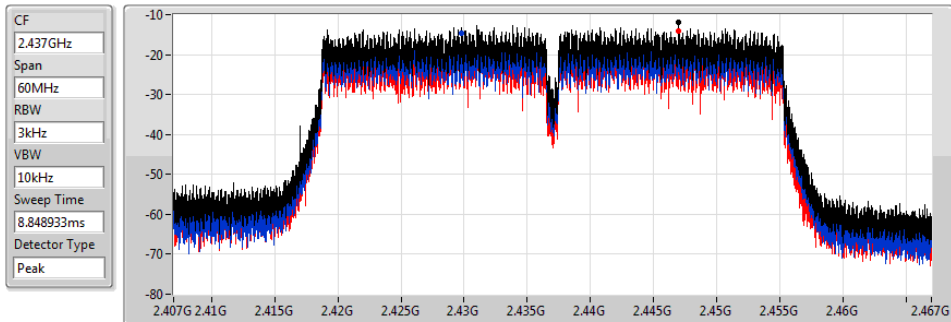
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.91	-9.91	-11.53	-12.54

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

25/11/2019



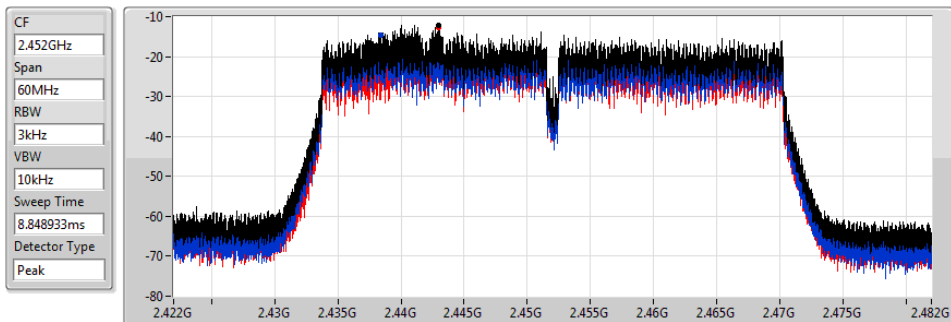
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.05	-12.05	-14.69	-14.07

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz

PSD

25/11/2019



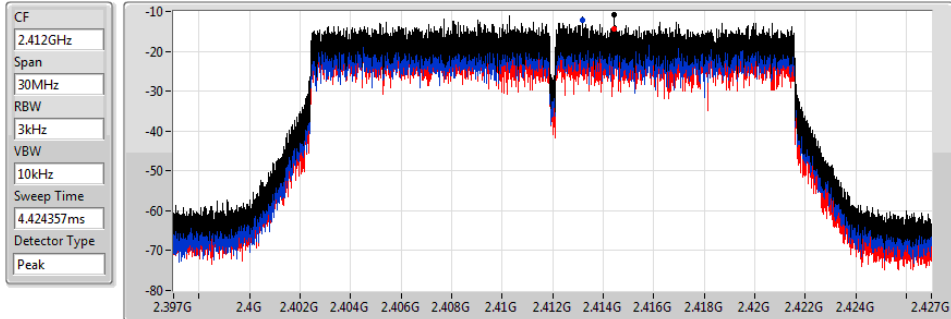
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.13	-12.13	-14.59	-12.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

25/11/2019



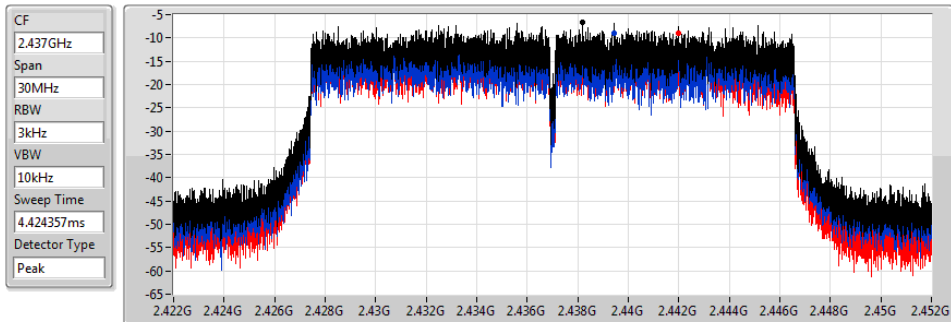
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.90	-10.90	-12.30	-14.25

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



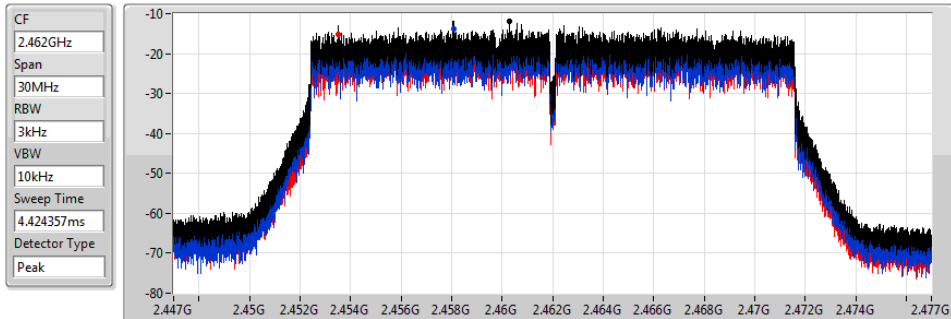
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.64	-6.64	-8.94	-8.98

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

25/11/2019



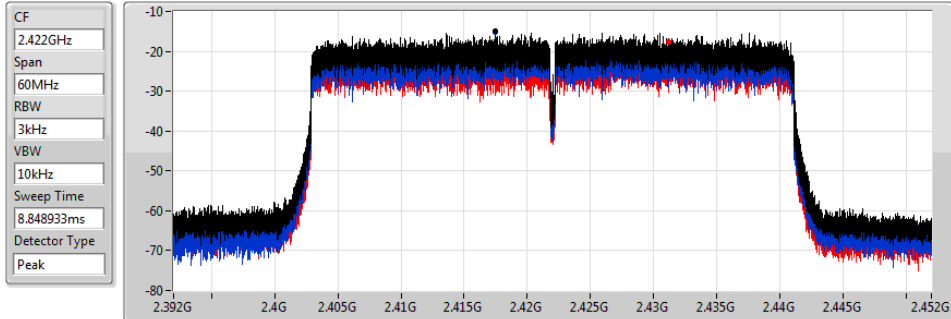
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.81	-11.81	-13.90	-15.11

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

25/11/2019



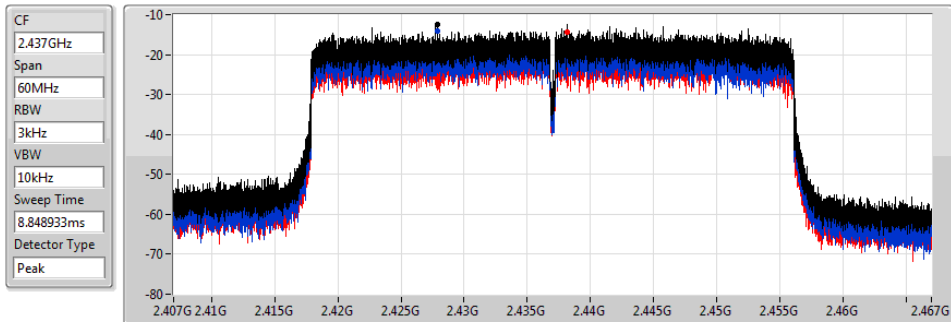
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.05	-15.05	-15.19	-17.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

25/11/2019



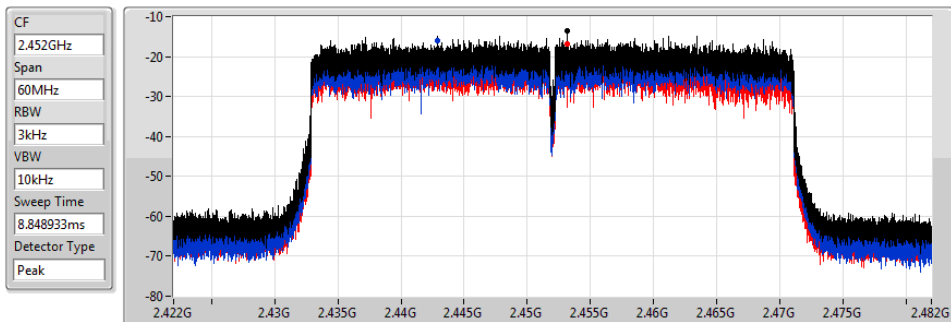
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.48	-12.48	-14.17	-14.46

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



**CSE(Non-restricted Band) _Non-Beamforming _Sample
1_Radio 1_1T1S**

Appendix E.1

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	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

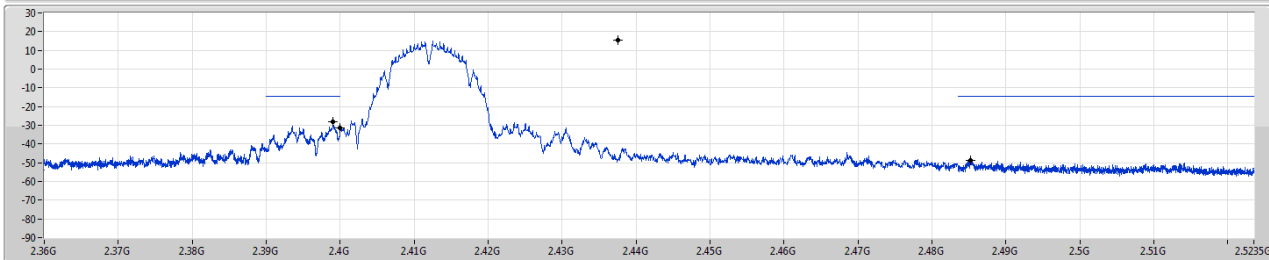
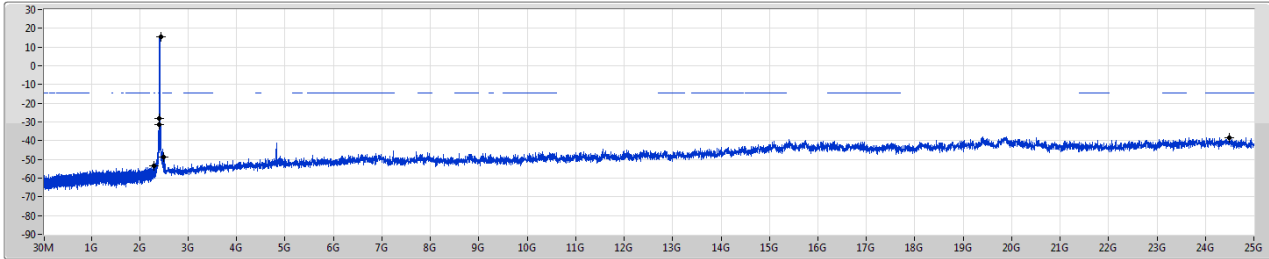
802.11b_Nss1,(1Mbps)_1TX

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

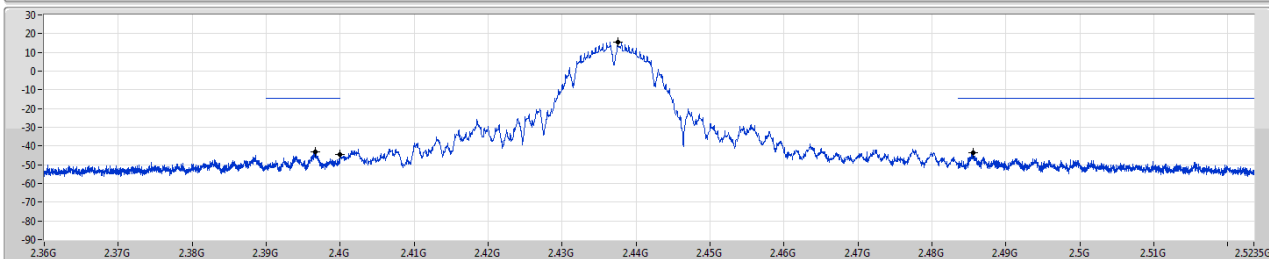
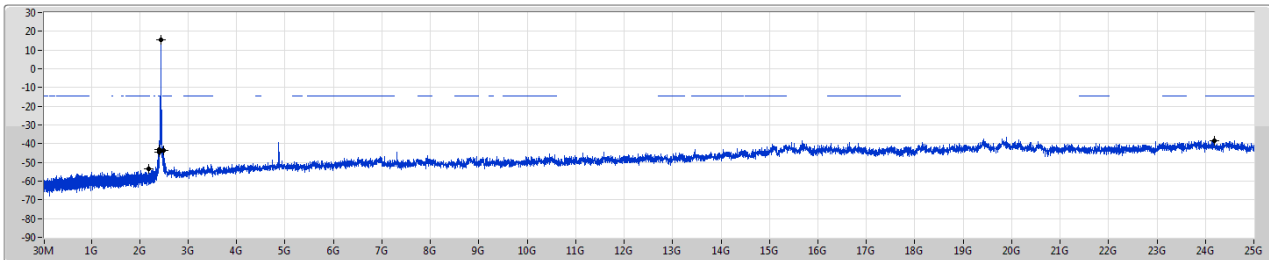
802.11b_Nss1,(1Mbps)_1TX

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

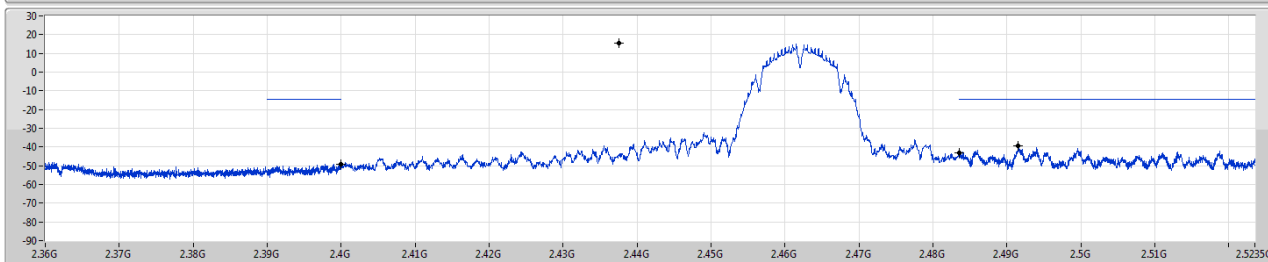
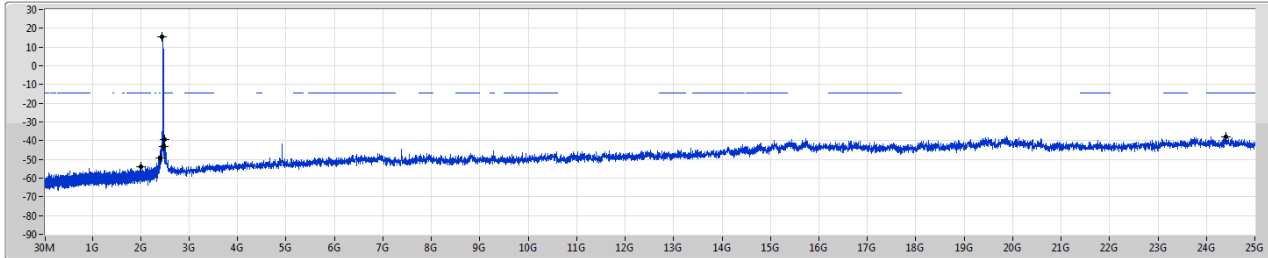
802.11b_Nss1,(1Mbps)_1TX

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

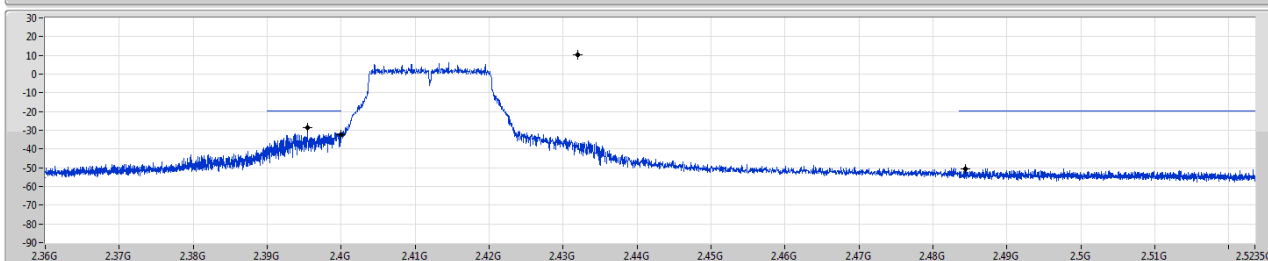
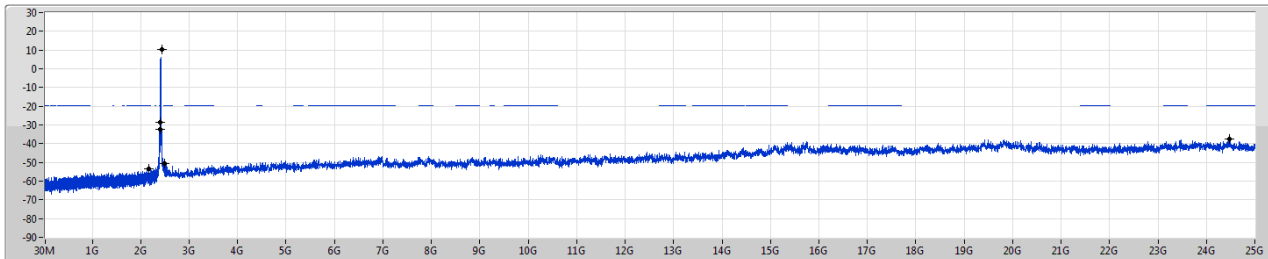
802.11g_Nss1,(6Mbps)_1TX

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

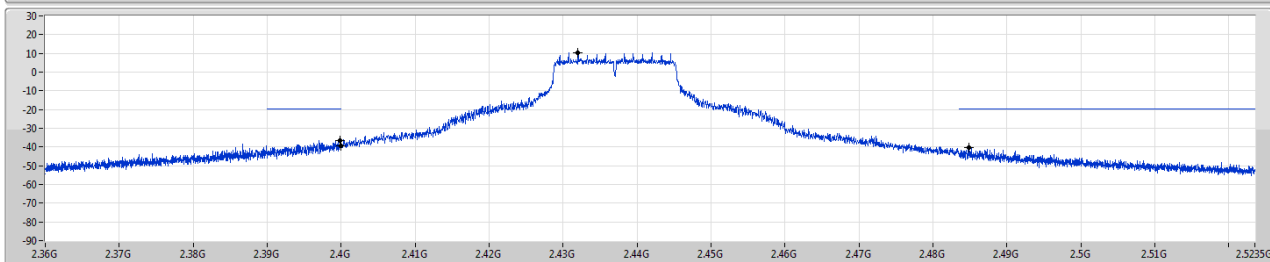
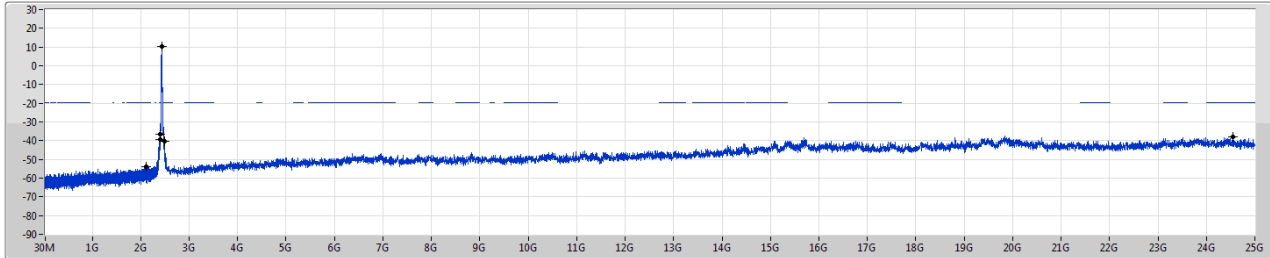
802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1 



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	2.10749G	-54.07	2.39982G	-36.42	2.4G	-39.46	2.48488G	-40.18	2.54485G	-37.85	1

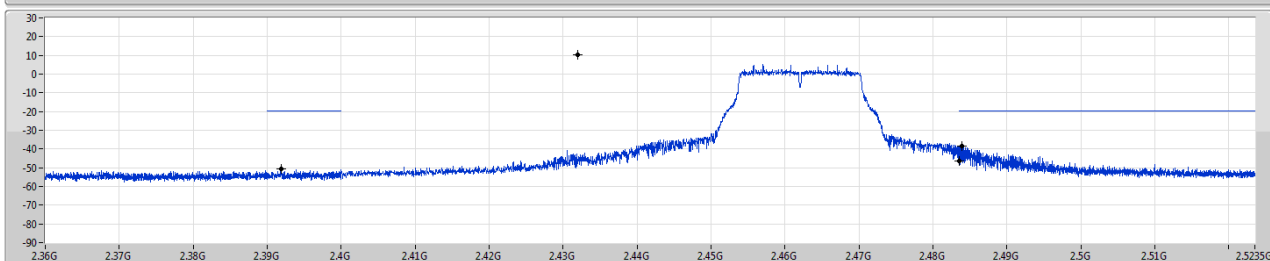
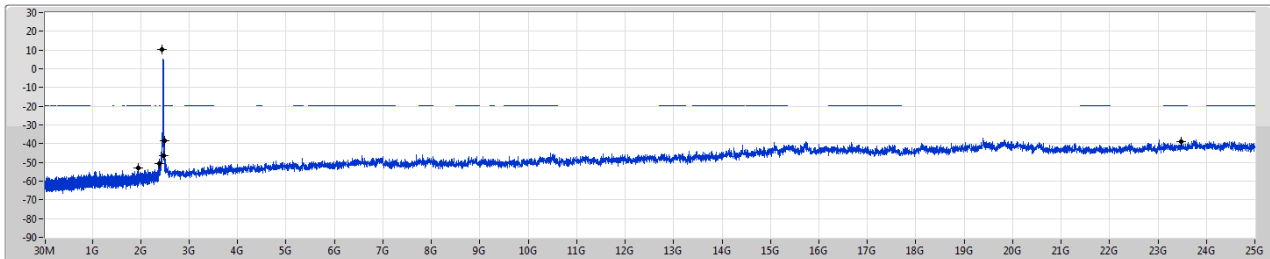
802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

08/11/2019

Port 1 



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	1.94584G	-52.94	2.39188G	-50.76	2.4835G	-46.49	2.48394G	-38.32	2.548284G	-38.69	1

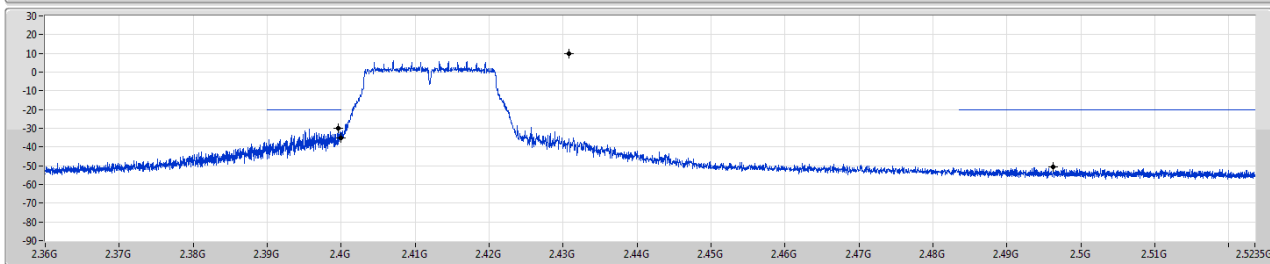
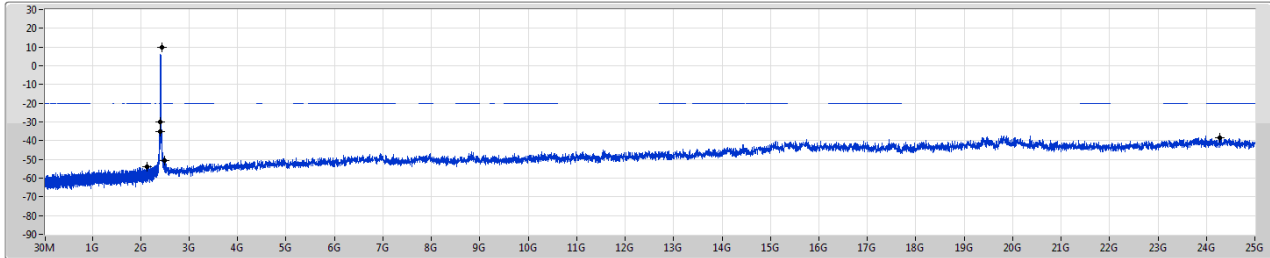
VHT20_Nss1,(MCS0)_1TX

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

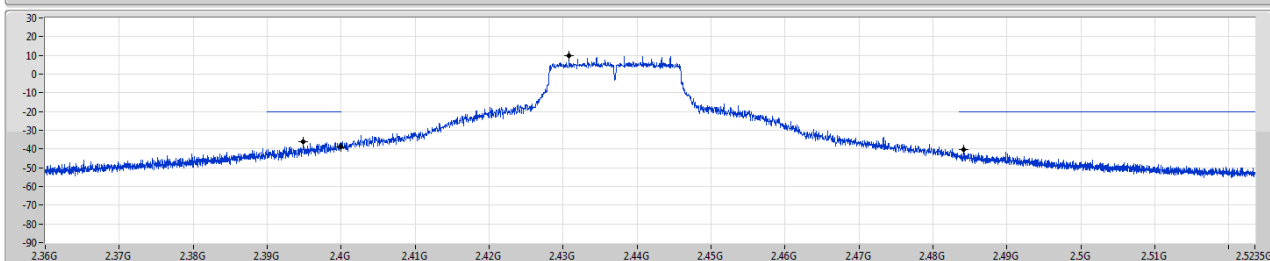
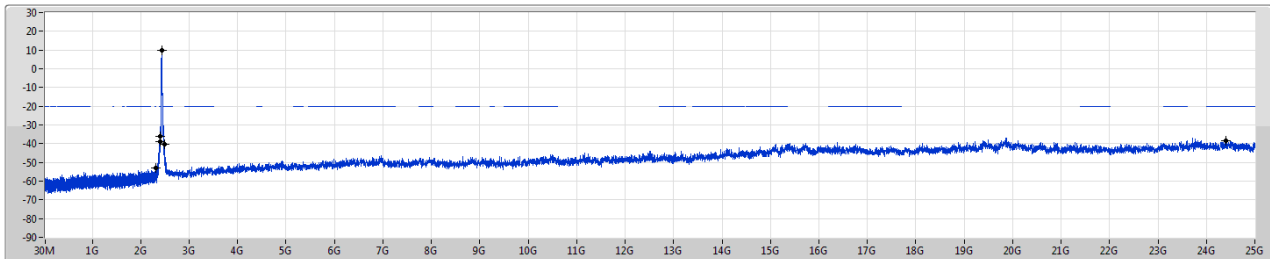
VHT20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1



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

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

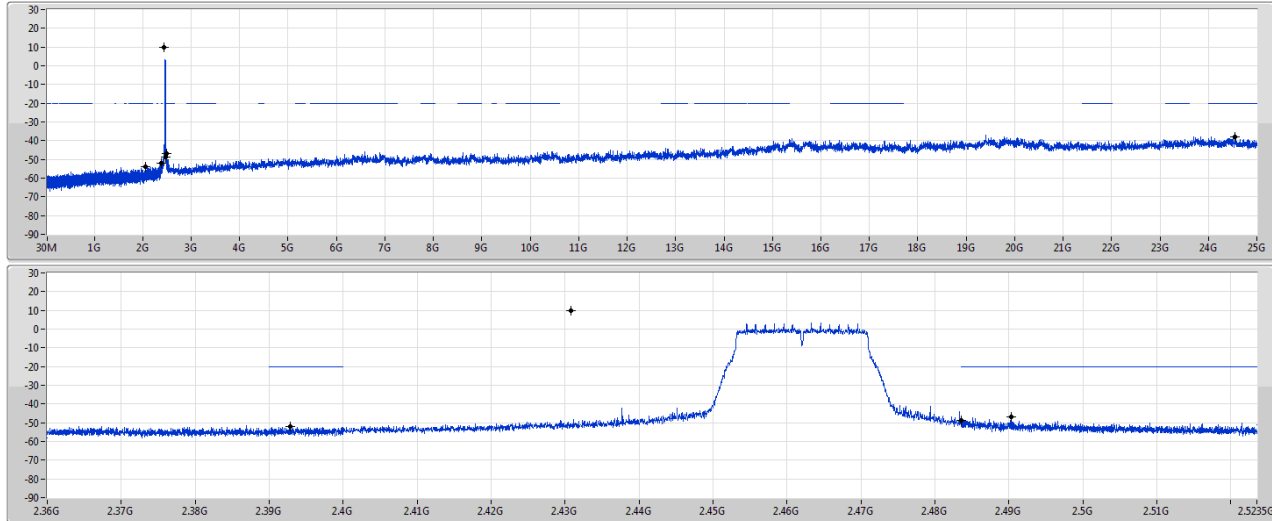
VHT20_Nss1,(MCS0)_1TX

2462MHz

CSE NdB

08/11/2019

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
2.43077G	9.76	-20.24	2.06496G	-53.74	2.39288G	-52.12	2.4835G	-48.59	2.49026G	-46.85	2.55047G	-37.95	1

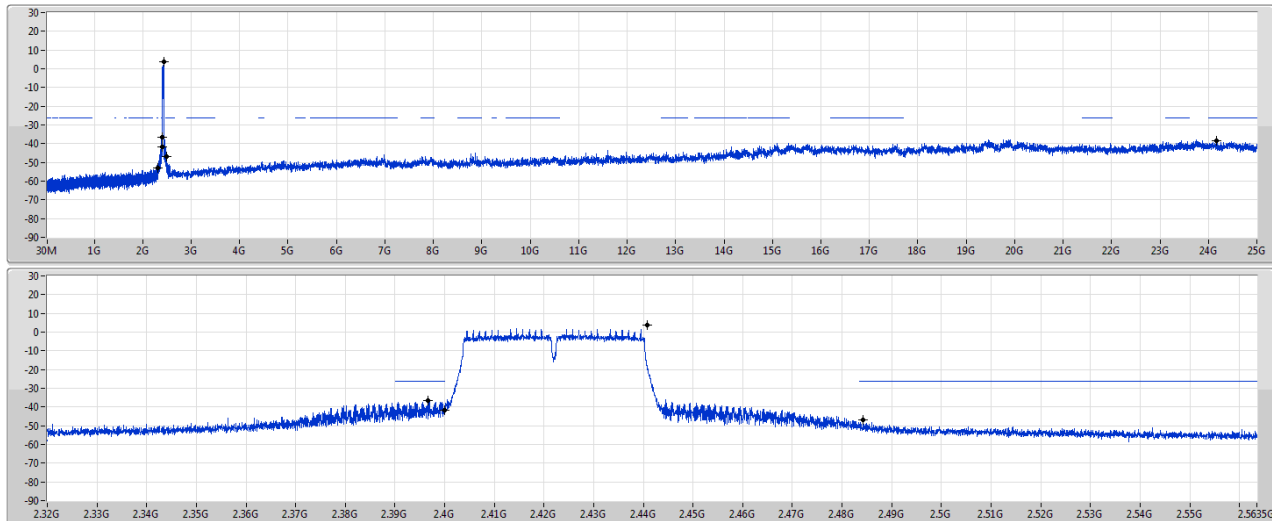
VHT40_Nss1,(MCS0)_1TX

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
2.44075G	3.59	-26.41	2.30569G	-53.20	2.39672G	-36.56	2.4G	-41.72	2.48422G	-46.80	2.516985G	-38.55	1

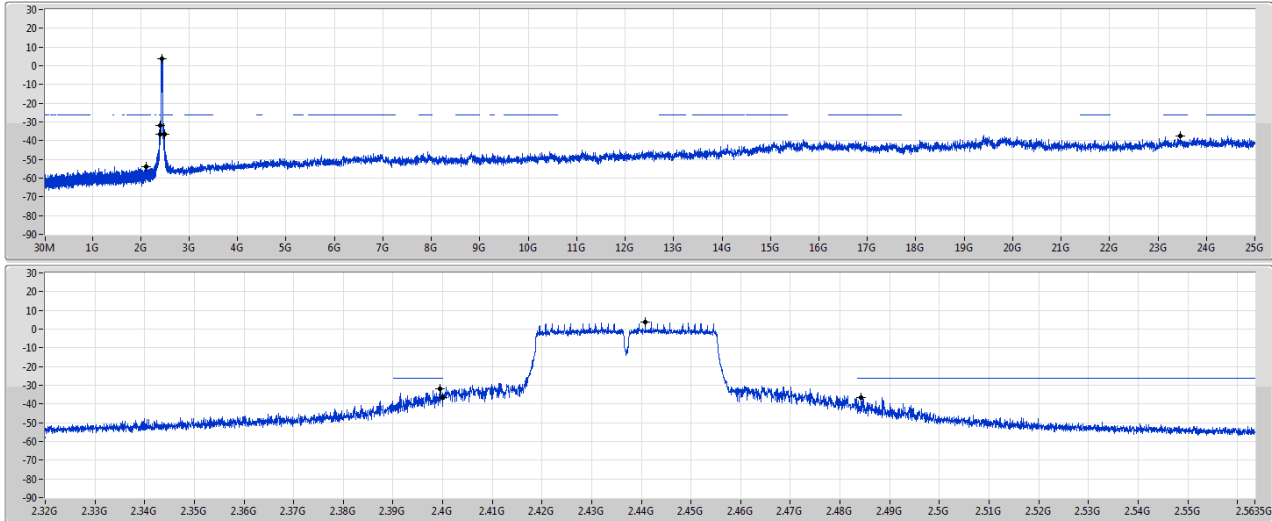
VHT40_Nss1,(MCS0)_1TX

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

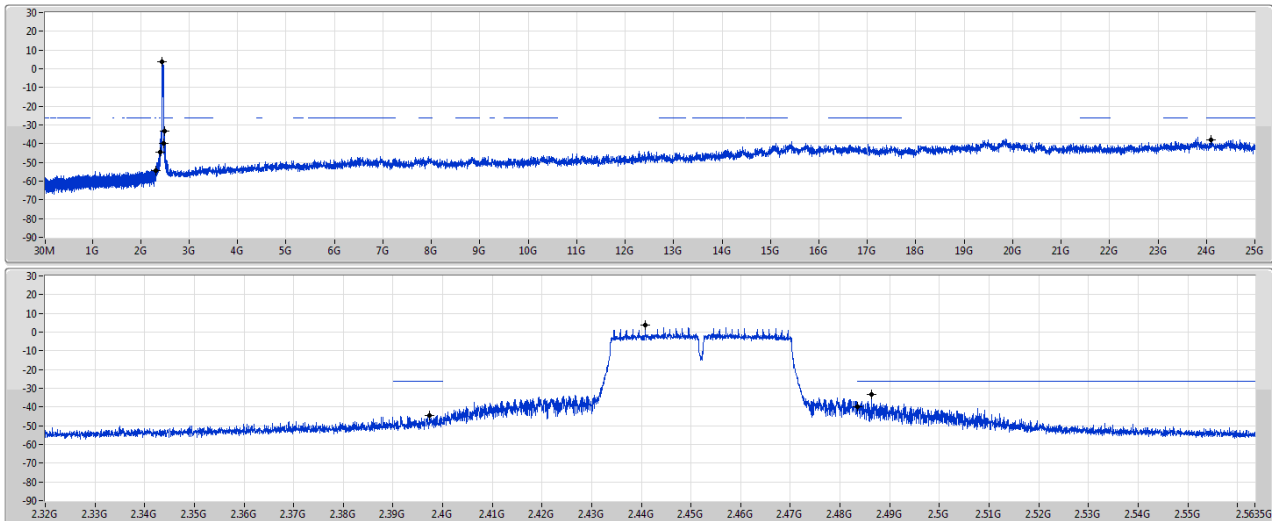
VHT40_Nss1,(MCS0)_1TX

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

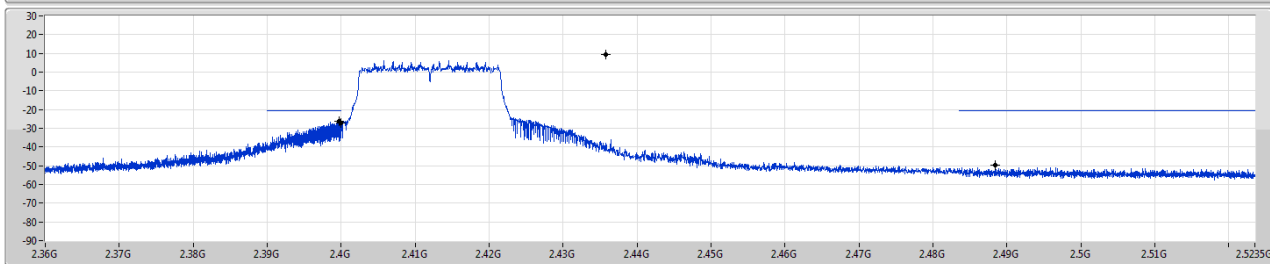
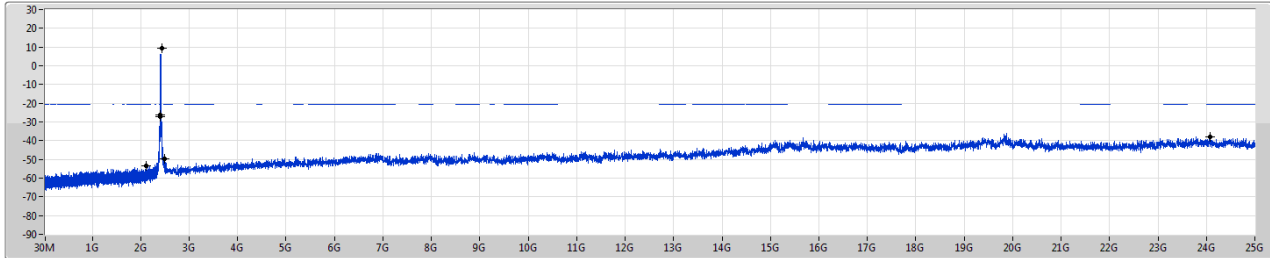
802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz

CSE NdB

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
2.43574G	9.54	-20.46	2.10487G	-53.36	2.3997G	-26.44	2.4G	-27.31	2.48846G	-49.60	2.47003G	-38.05	1

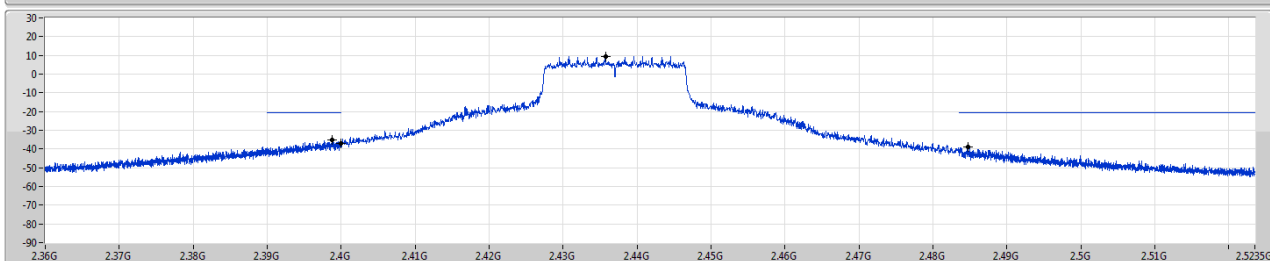
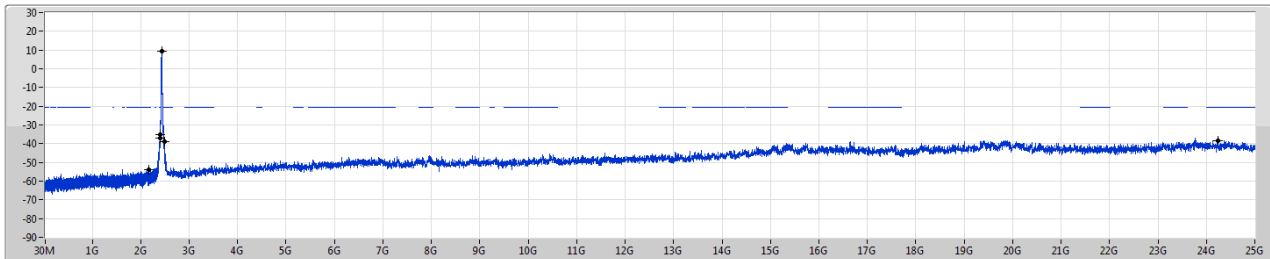
802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

08/11/2019

Port 1 



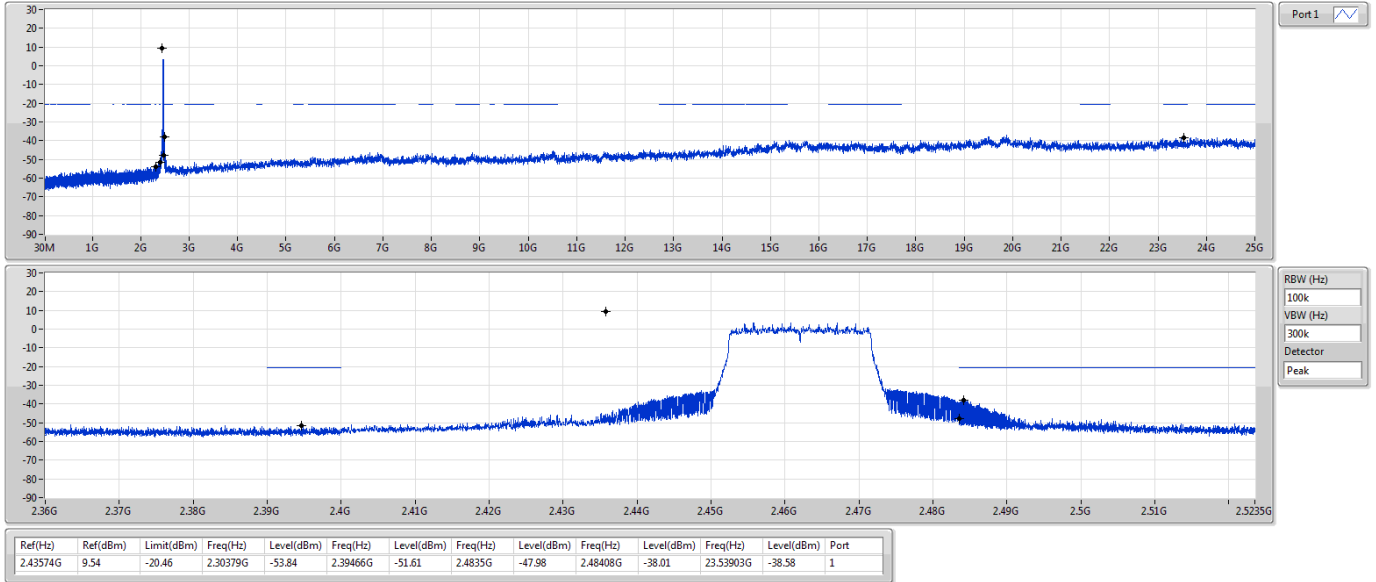
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43574G	9.54	-20.46	2.16166G	-53.97	2.39876G	-35.20	2.4G	-37.15	2.48474G	-38.96	2.42329G	-38.30	1

802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz

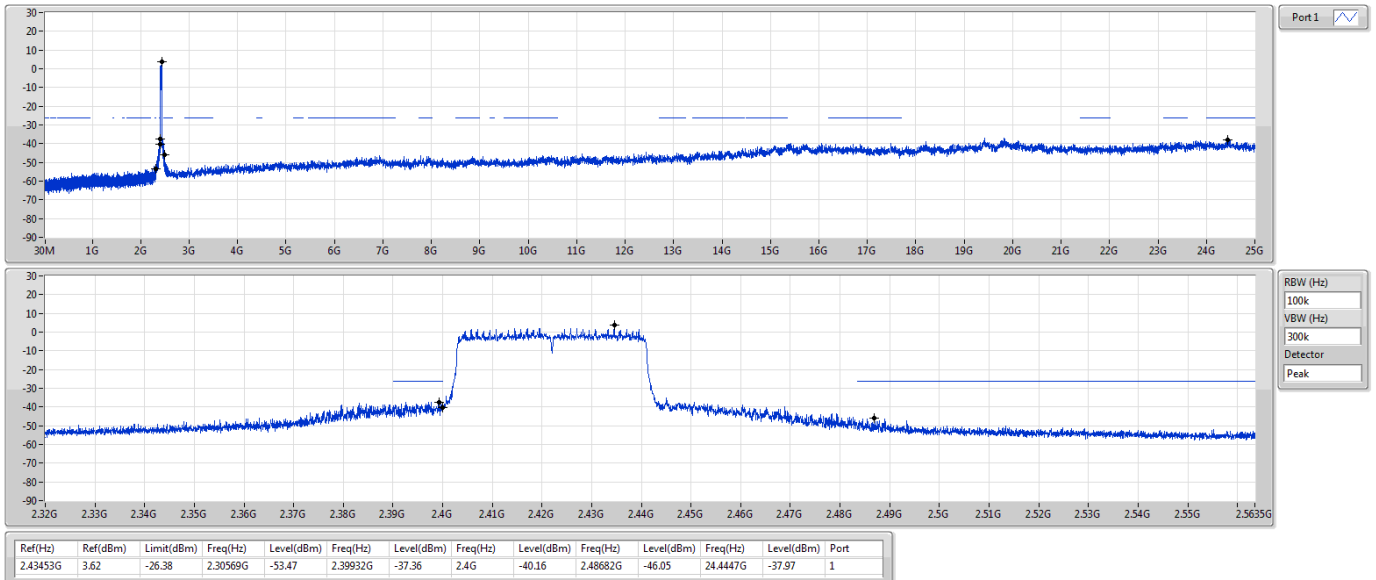
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB



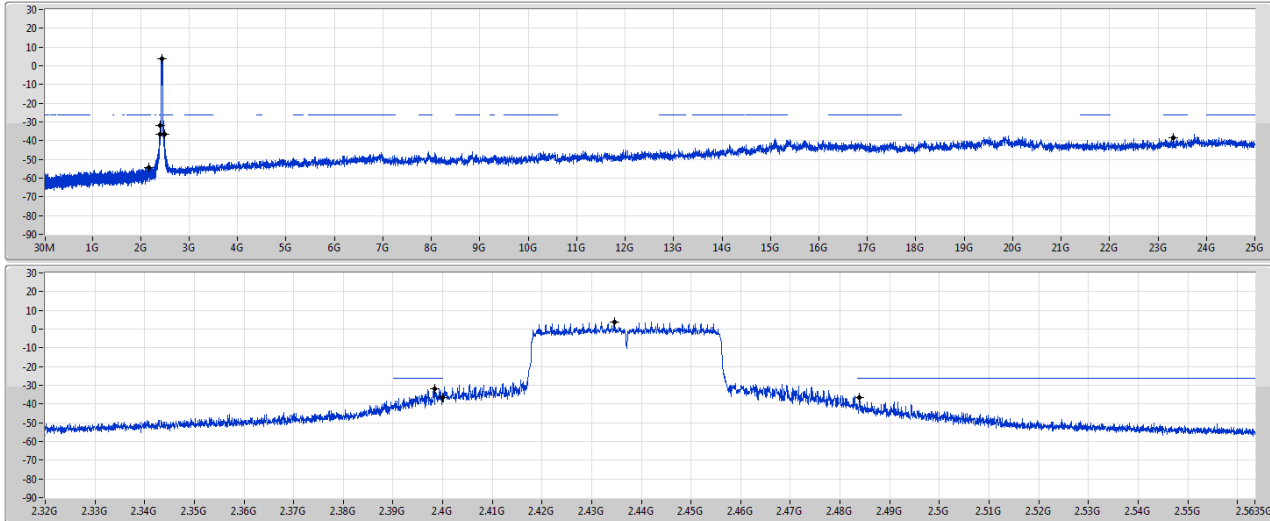
802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz

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
2.43453G	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

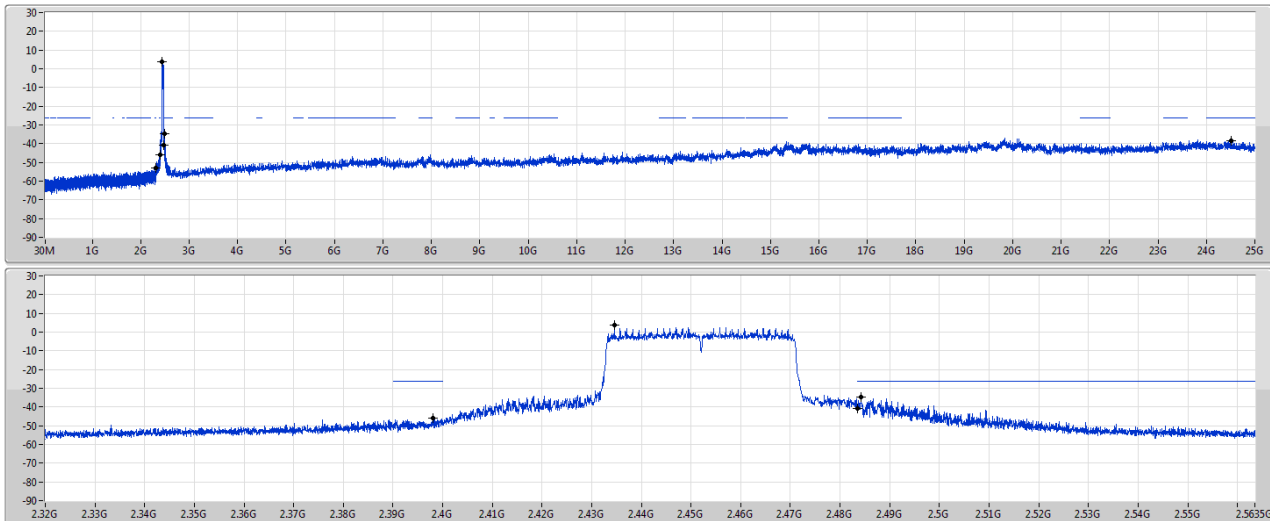
802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

CSE NdB

08/11/2019

Port 1 



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
2.43453G	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



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

Appendix E.2

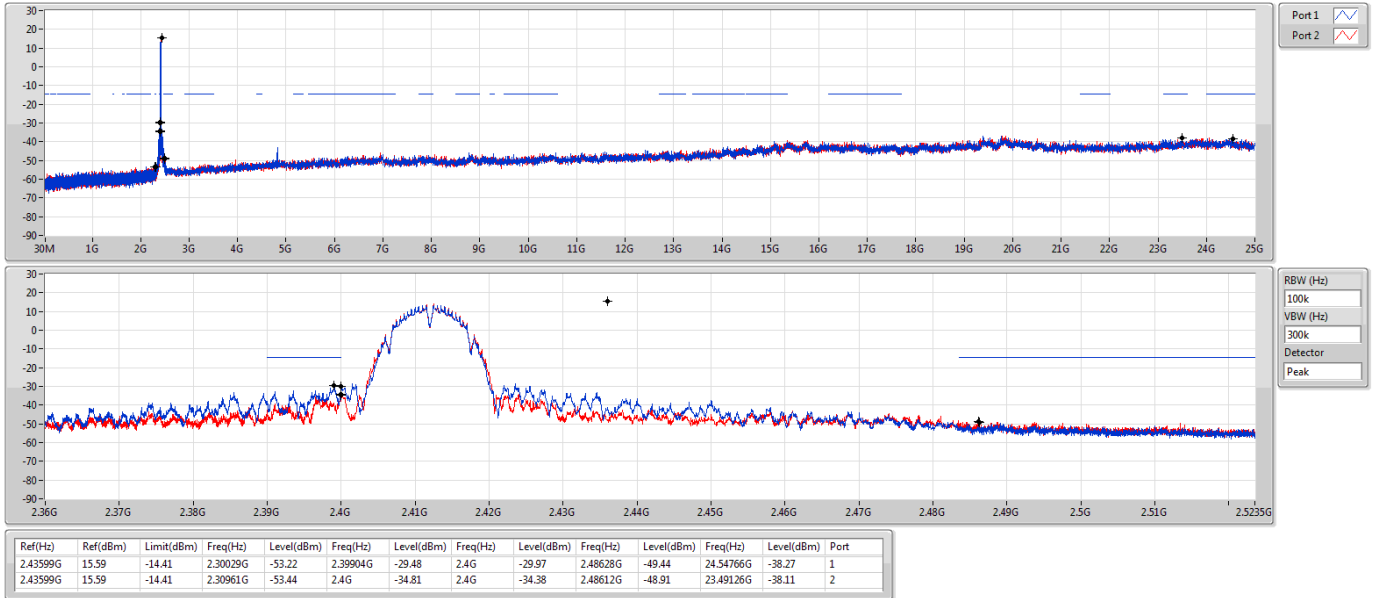
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	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

CSE NdB

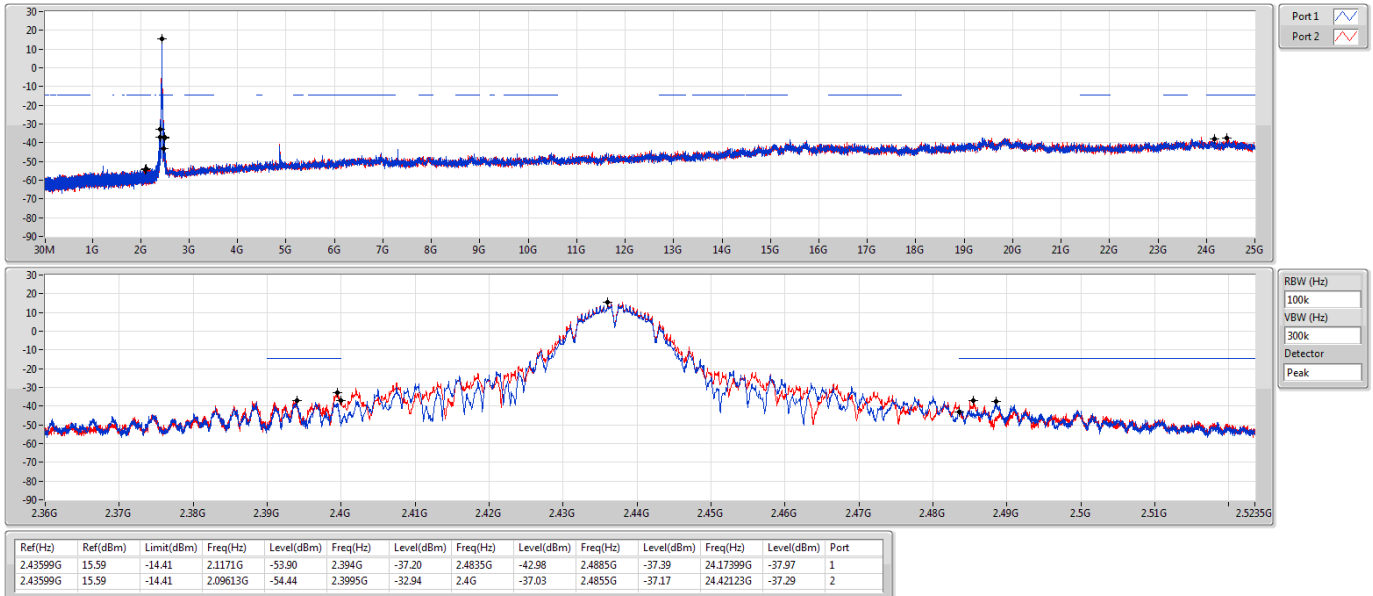
2412MHz



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

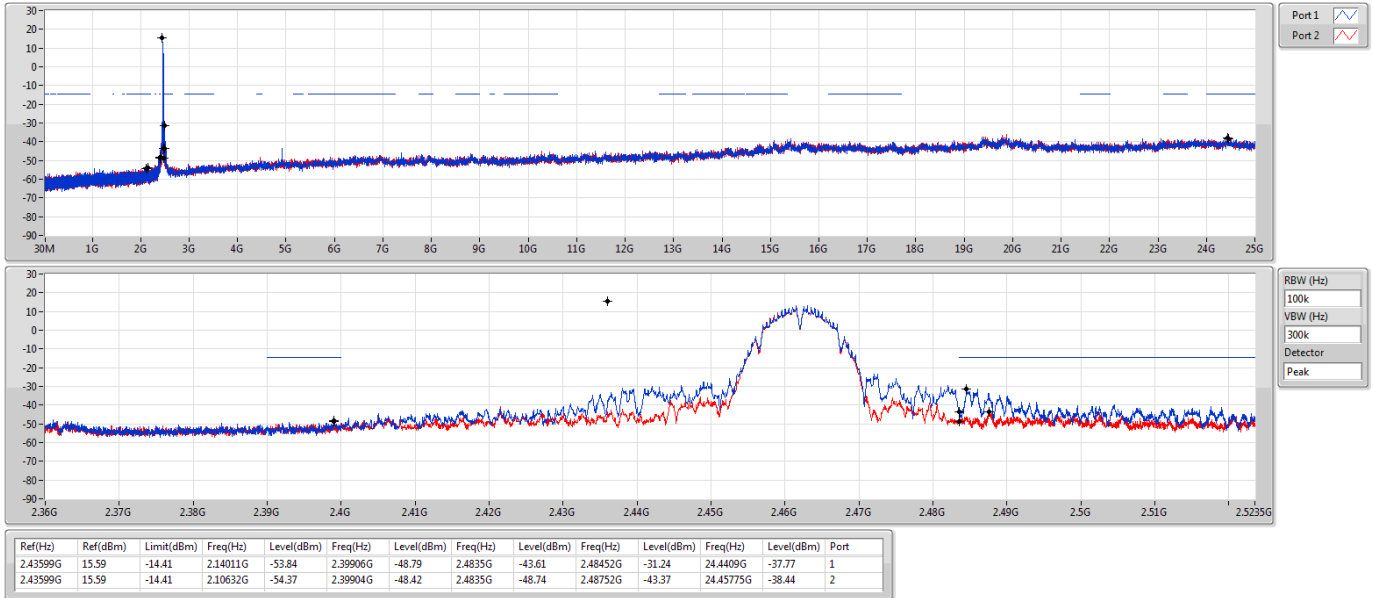
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802.11b_Nss1,(1Mbps)_2TX

2462MHz

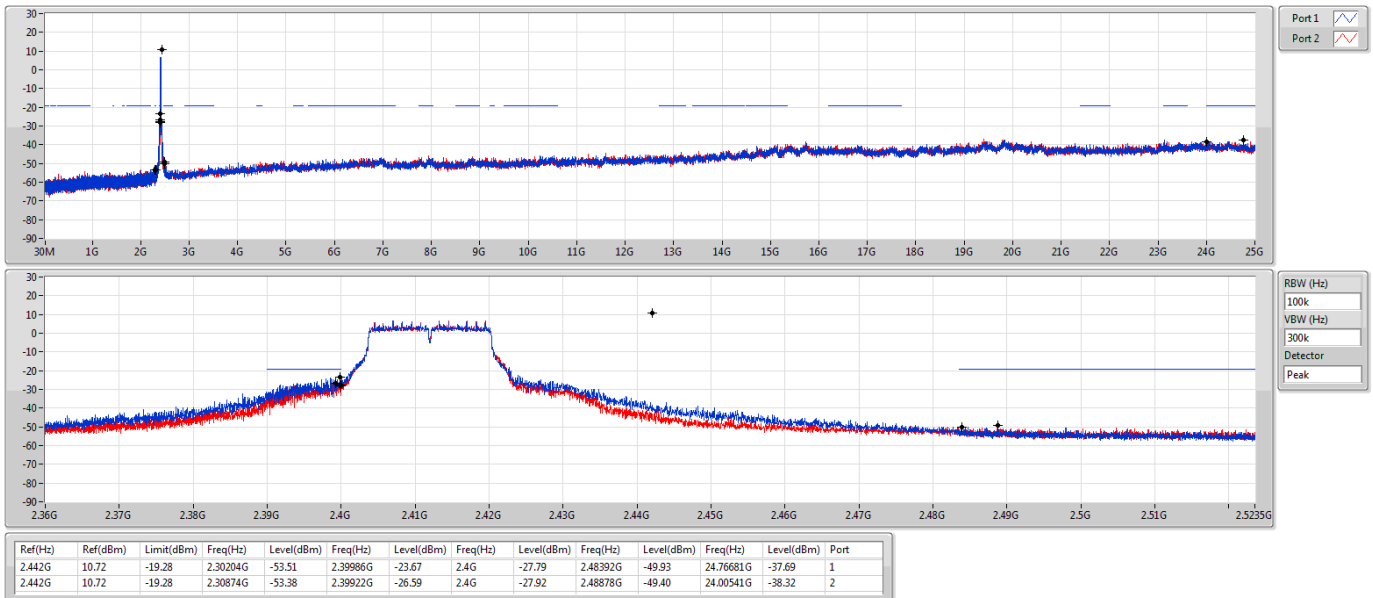
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2412MHz

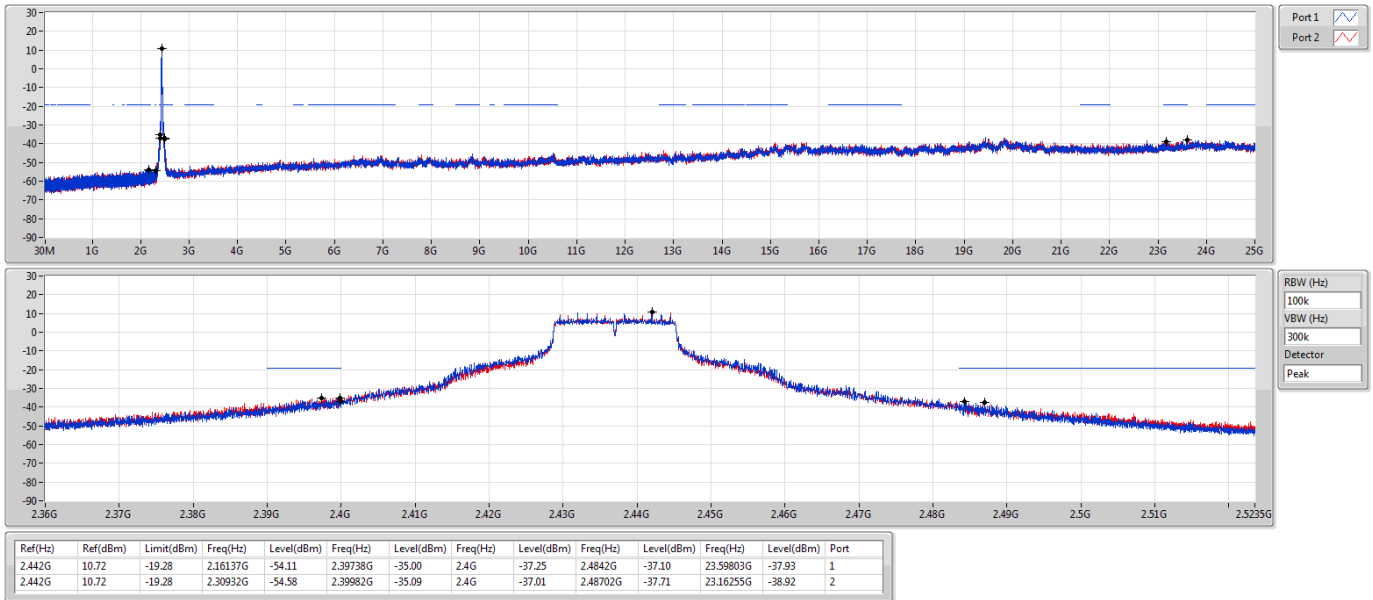
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2437MHz

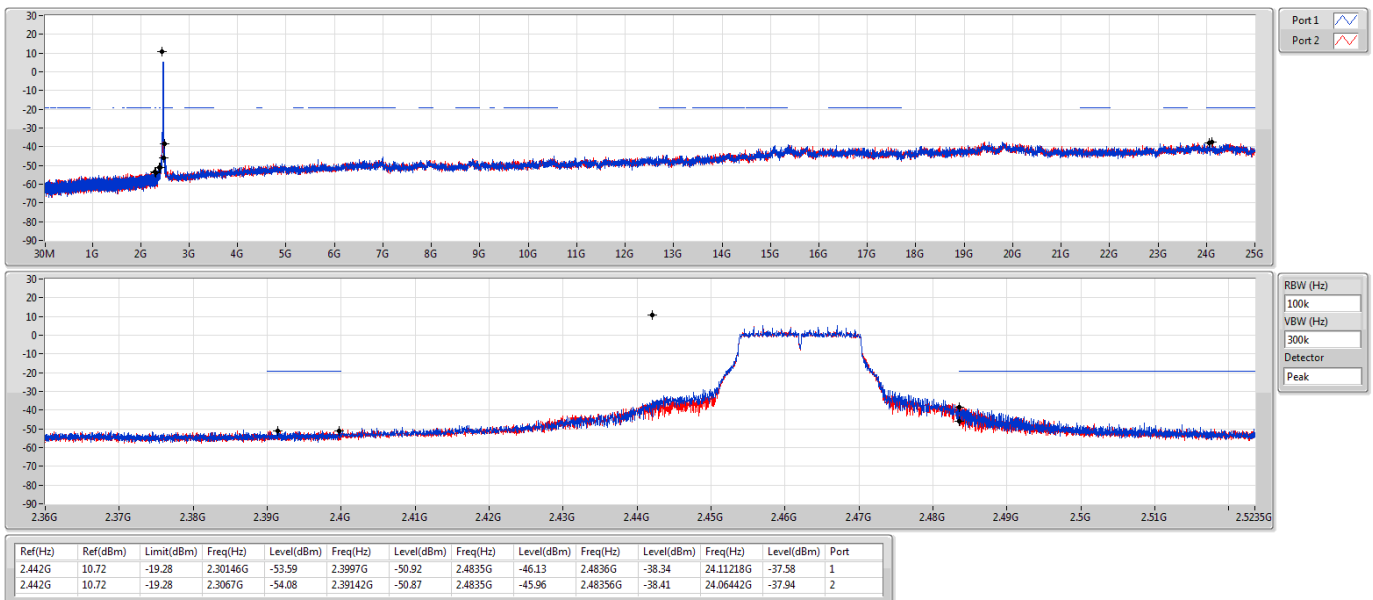
CSE NdB



802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

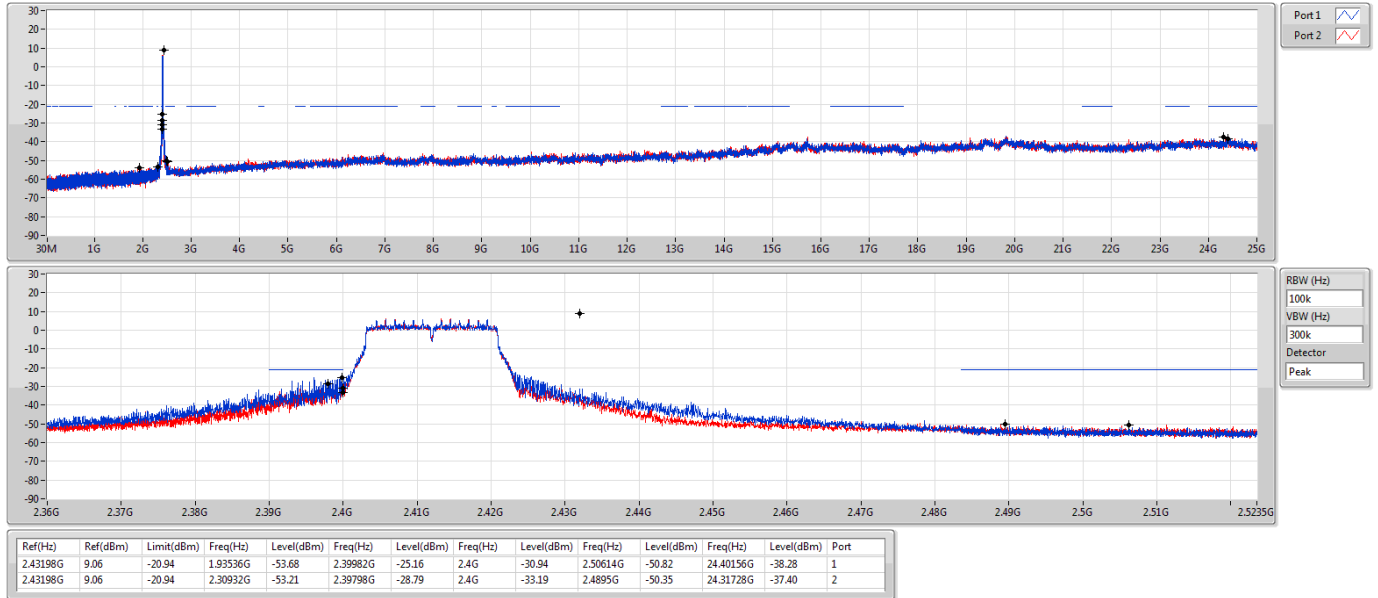


VHT20_Nss2,(MCS0)_2TX

2412MHz

CSE NdB

08/11/2019

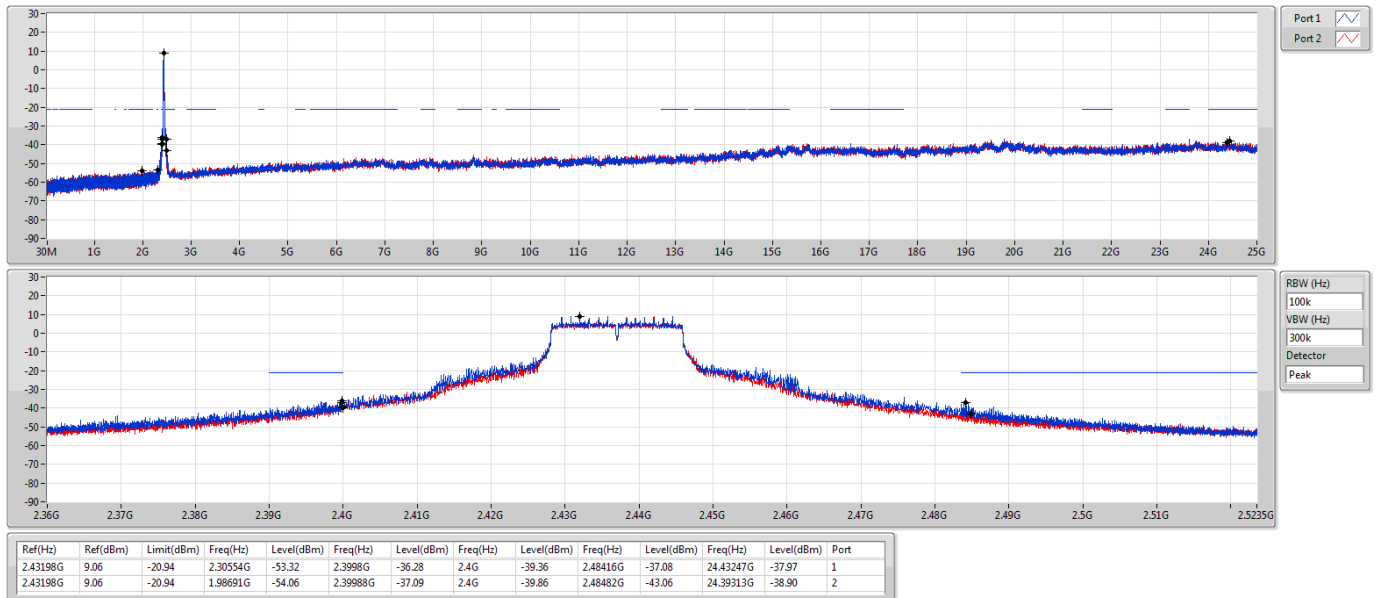


VHT20_Nss2,(MCS0)_2TX

2437MHz

CSE NdB

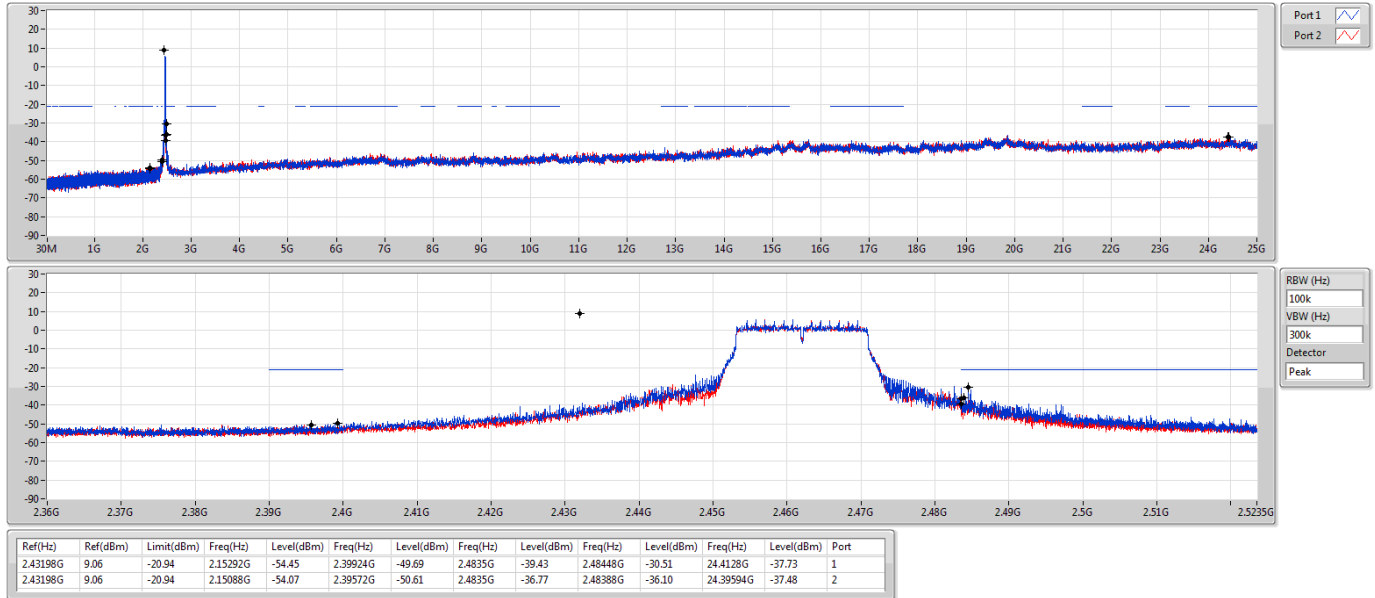
08/11/2019



VHT20_Nss2,(MCS0)_2TX

2462MHz

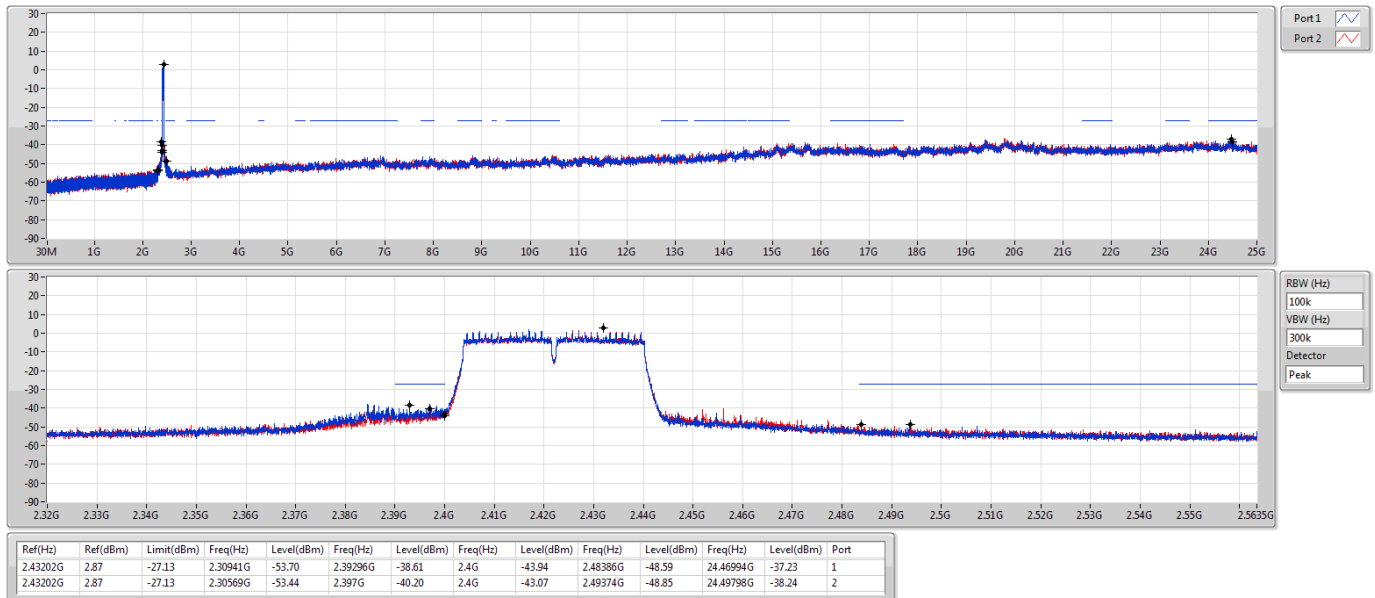
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2422MHz

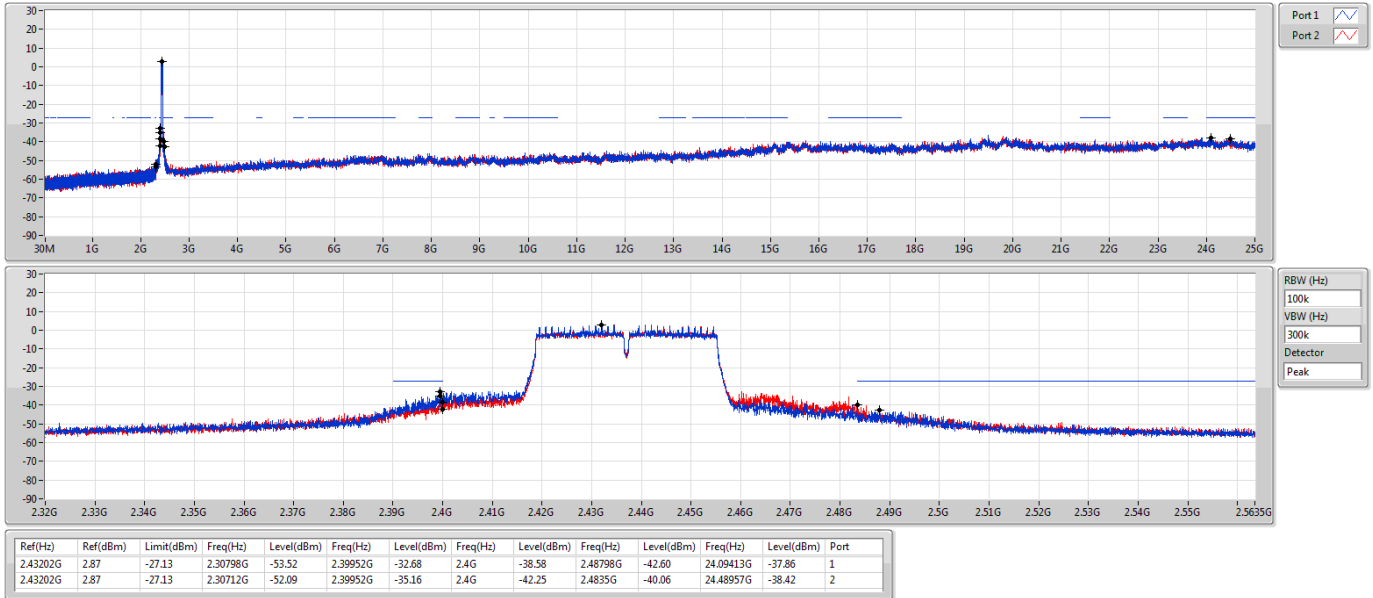
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2437MHz

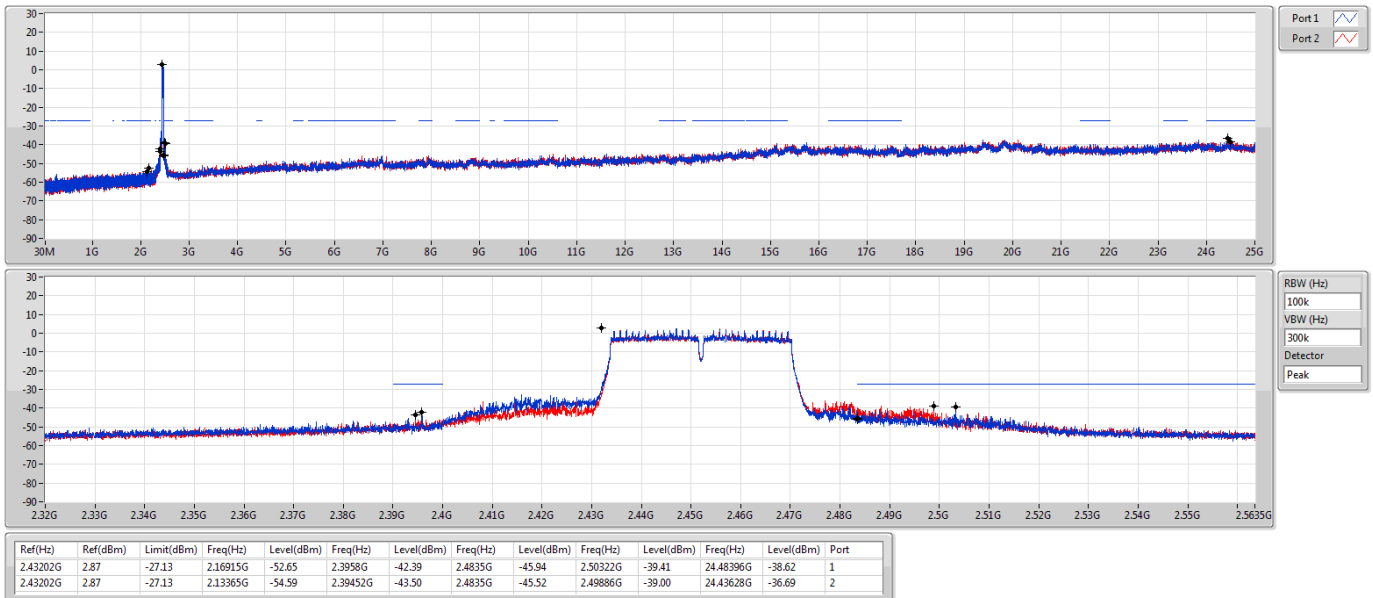
CSE NdB



VHT40_Nss2,(MCS0)_2TX

2452MHz

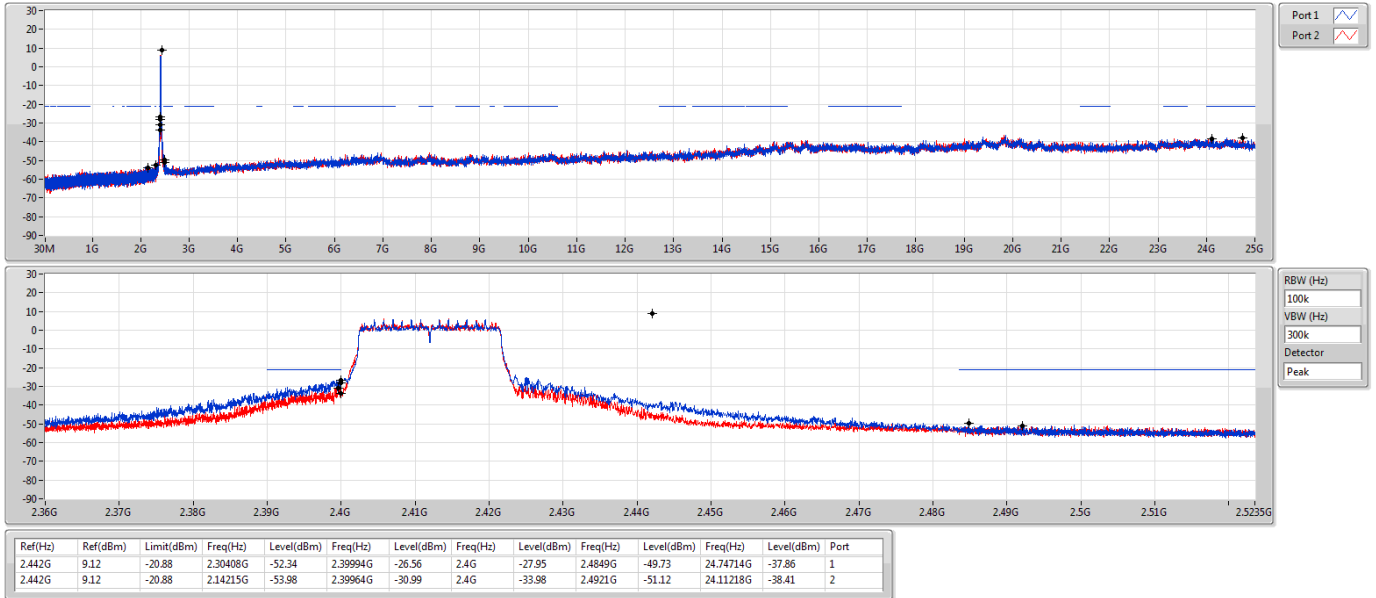
CSE NdB



802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz

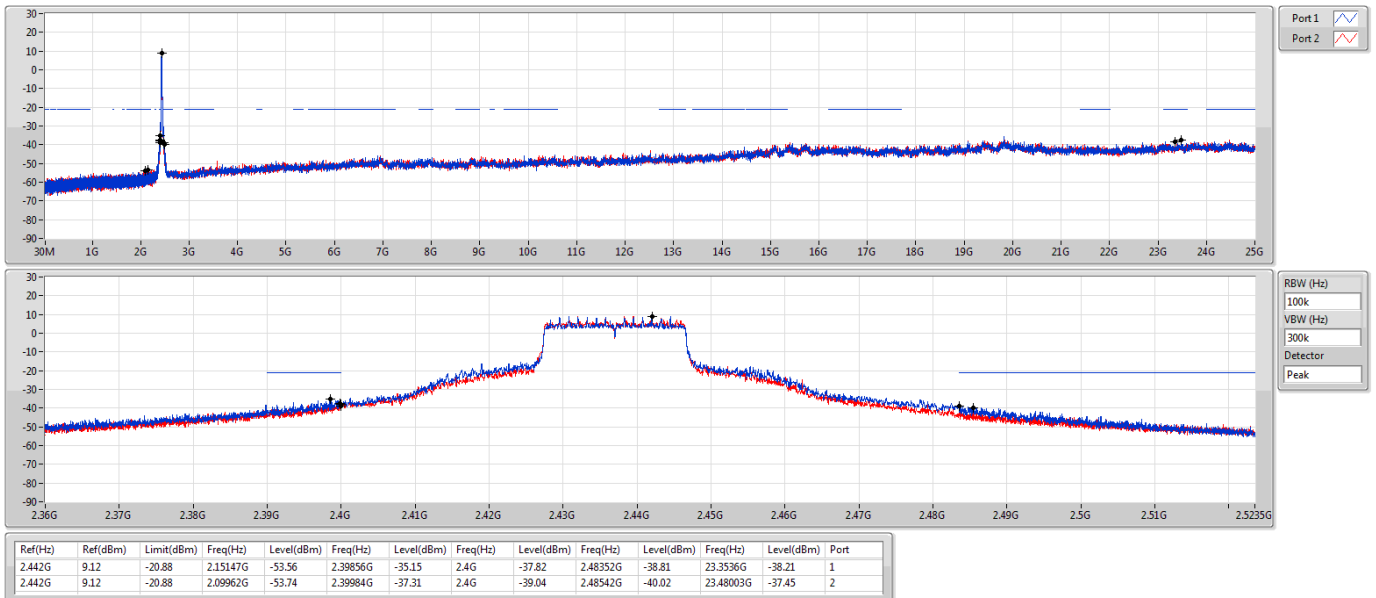
CSE NdB



802.11ax HEW20_Nss2,(MCS0)_2TX

2437MHz

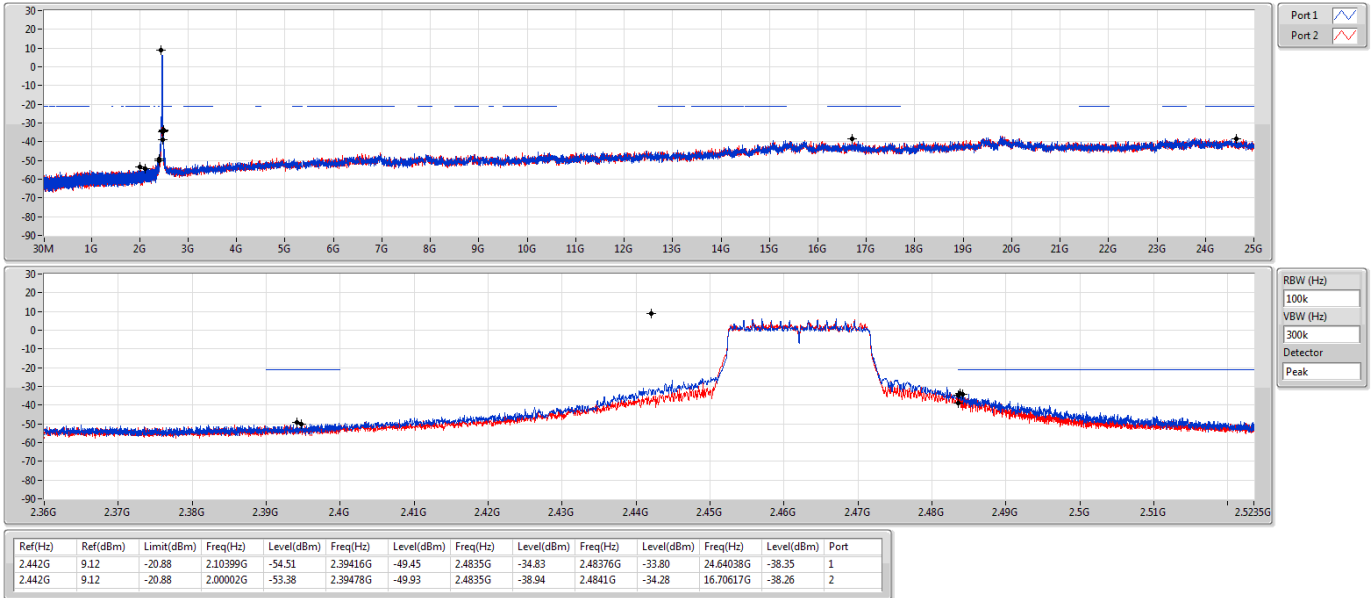
CSE NdB



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

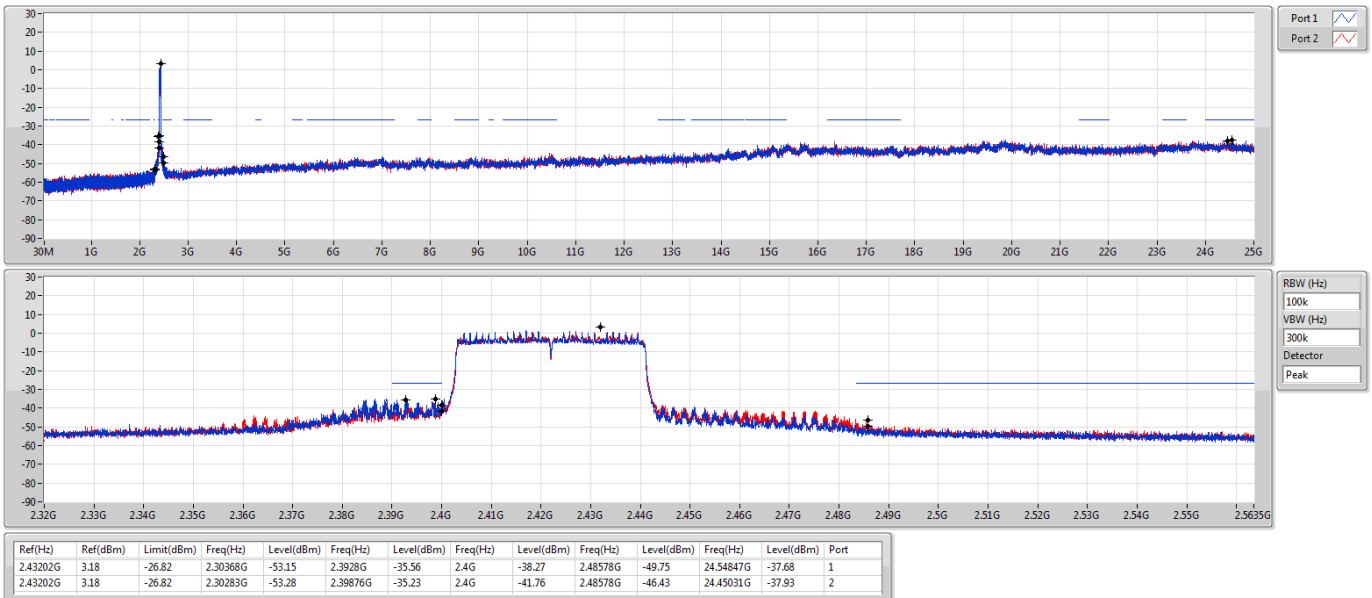
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

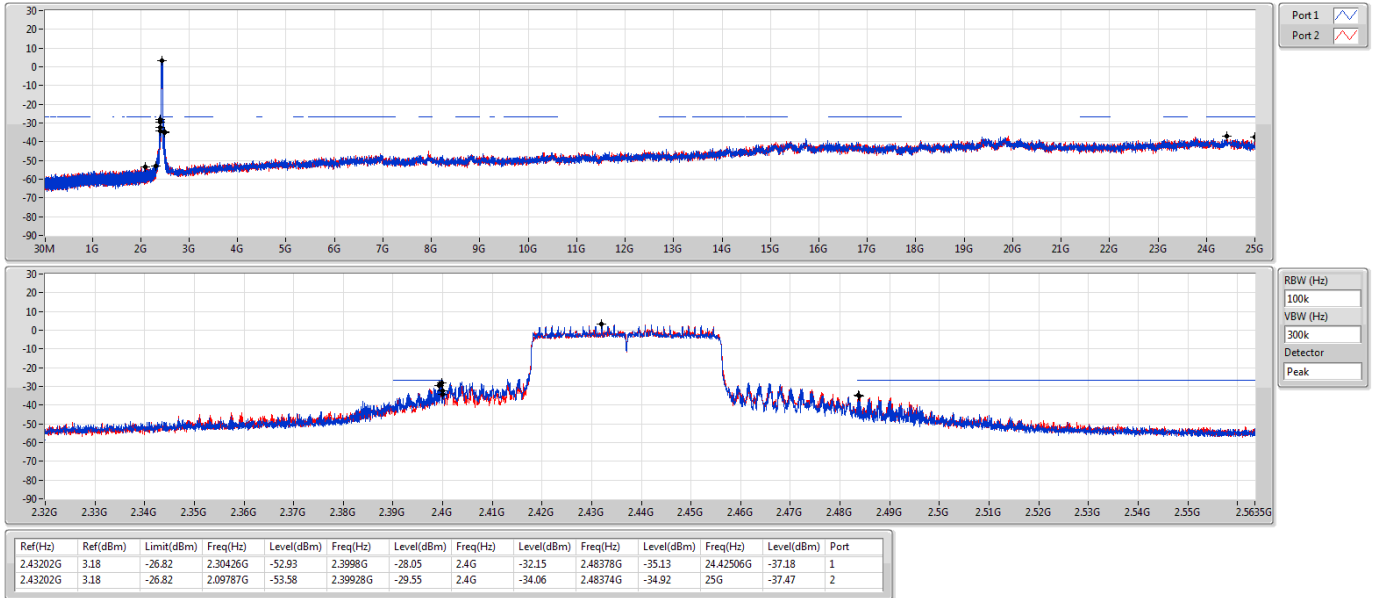
2422MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

2437MHz

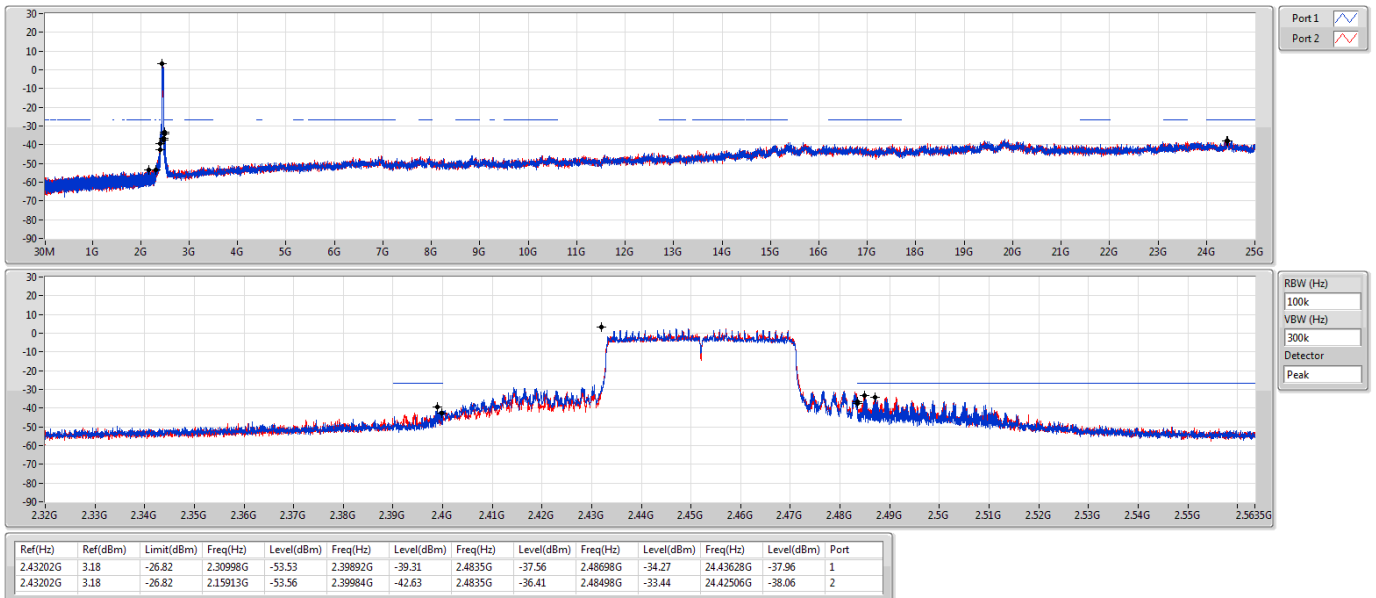
CSE NdB



802.11ax HEW40_Nss2,(MCS0)_2TX

2452MHz

CSE NdB





CSE(Non-restricted Band)_ Non-Beamforming _Sample 2_
Radio 1_Omni_1T1S

Appendix E.3

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	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