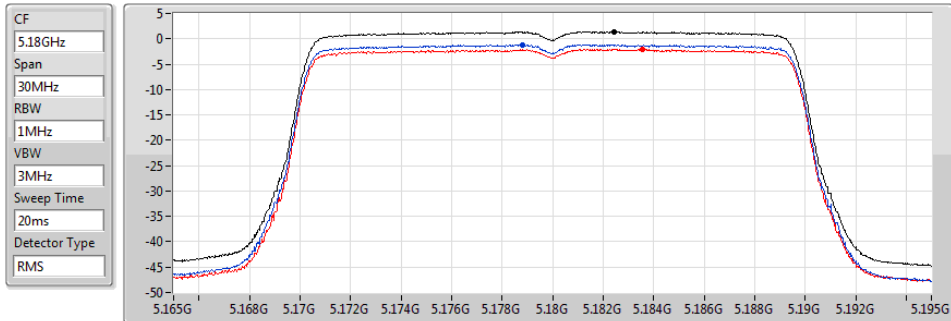


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

20/09/2019



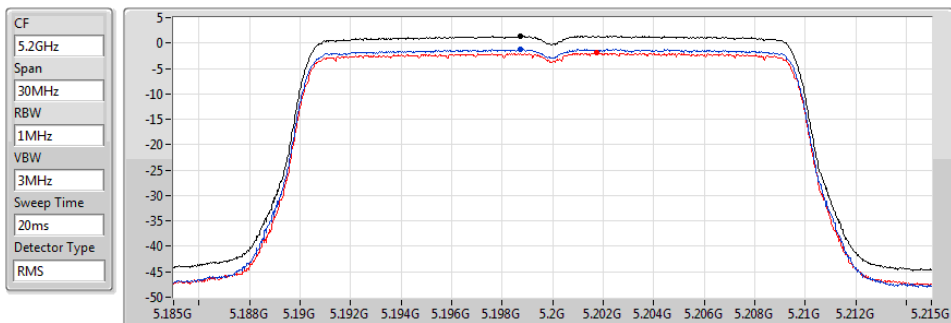
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.39	1.39	-1.15	-2.04

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

20/09/2019



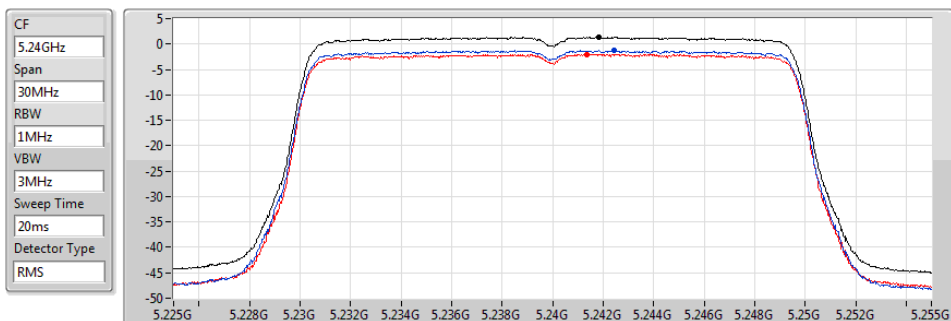
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.43	1.43	-1.17	-1.91

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

20/09/2019



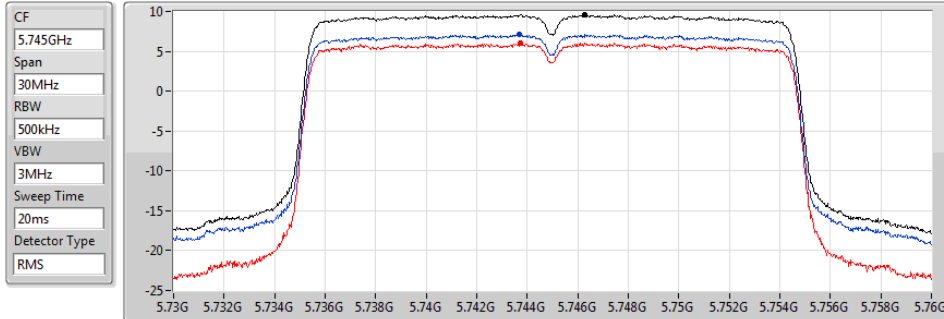
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.33	1.33	-1.27	-1.99

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

20/09/2019



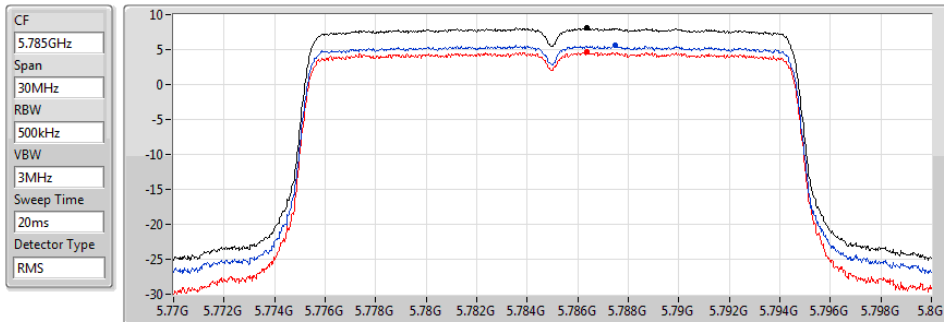
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.59	9.59	7.11	6.06

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

20/09/2019



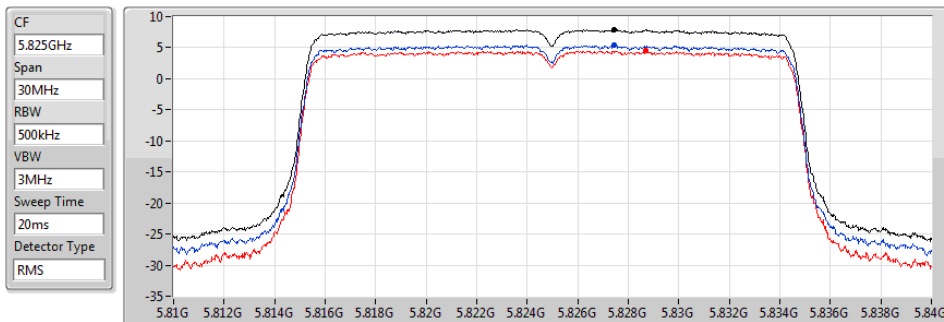
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	5.56	4.64

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

20/09/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.90	7.90	5.37	4.49

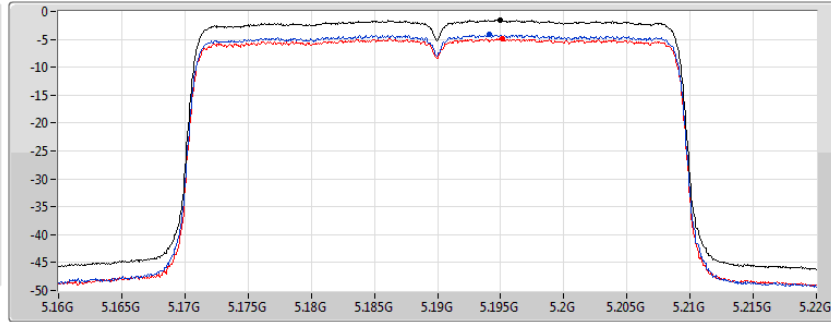
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

20/09/2019

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.54	-1.54	-4.11	-4.85

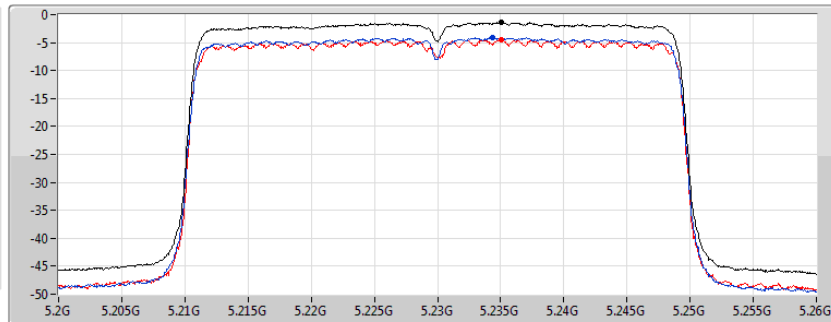
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

20/09/2019

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.42	-1.42	-4.06	-4.46

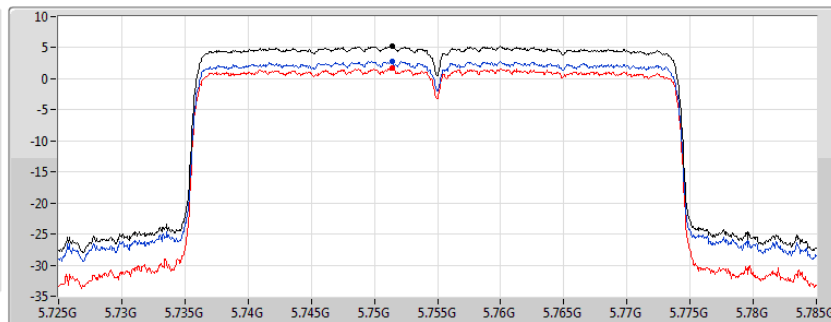
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

20/09/2019

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

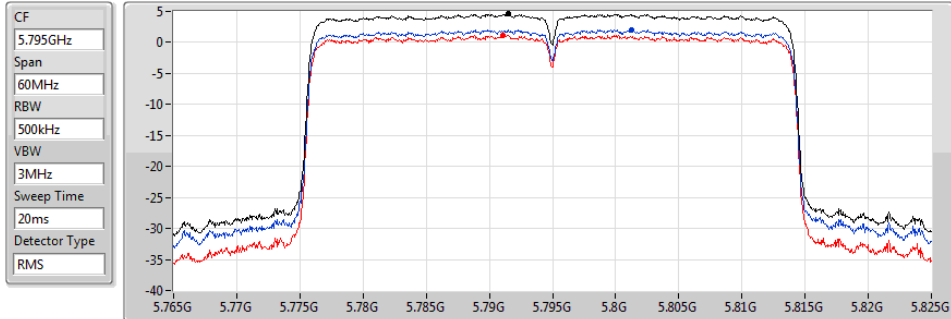
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.32	5.32	2.76	1.81

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

20/09/2019



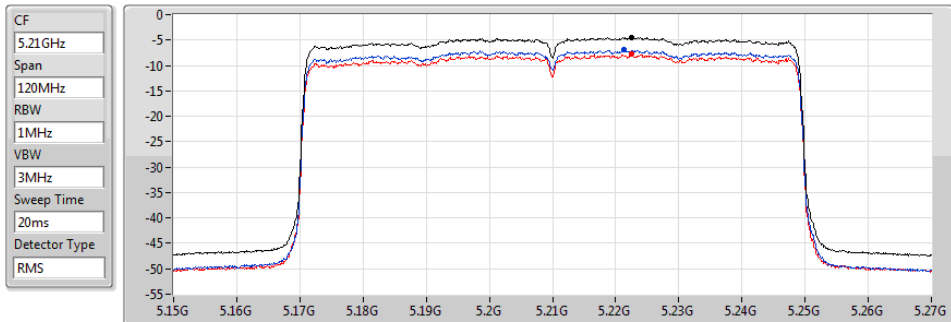
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.60	4.60	2.04	1.17

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

20/09/2019



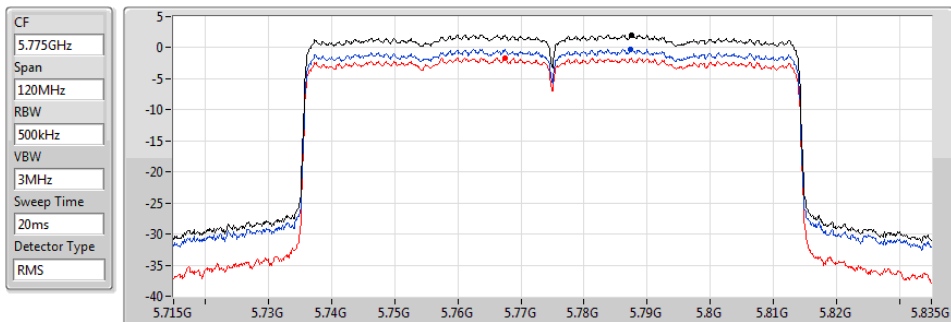
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.47	-4.47	-6.97	-7.82

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

20/09/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.08	2.08	-0.25	-1.64



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.85	18.85
802.11ac VHT20_Nss1,(MCS0)_1TX	10.20	18.20
802.11ac VHT40_Nss1,(MCS0)_1TX	4.98	12.98
802.11ac VHT80_Nss1,(MCS0)_1TX	-1.58	6.42
802.11ax HEW20_Nss1,(MCS0)_1TX	10.12	18.12
802.11ax HEW40_Nss1,(MCS0)_1TX	4.91	12.91
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.65	6.35
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.12	16.12
802.11ac VHT20_Nss1,(MCS0)_1TX	7.92	15.92
802.11ac VHT40_Nss1,(MCS0)_1TX	3.86	11.86
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.33	4.67
802.11ax HEW20_Nss1,(MCS0)_1TX	7.77	15.77
802.11ax HEW40_Nss1,(MCS0)_1TX	3.78	11.78
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.51	4.49

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	7.62	7.62	15.00	15.62	23.00
5200MHz	Pass	8.00	10.81	10.81	15.00	18.81	23.00
5240MHz	Pass	8.00	10.85	10.85	15.00	18.85	23.00
5745MHz	Pass	8.00	8.10	8.10	28.00	16.10	36.00
5785MHz	Pass	8.00	8.12	8.12	28.00	16.12	36.00
5825MHz	Pass	8.00	8.01	8.01	28.00	16.01	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	6.00	6.00	15.00	14.00	23.00
5200MHz	Pass	8.00	10.04	10.04	15.00	18.04	23.00
5240MHz	Pass	8.00	10.20	10.20	15.00	18.20	23.00
5745MHz	Pass	8.00	7.92	7.92	28.00	15.92	36.00
5785MHz	Pass	8.00	7.89	7.89	28.00	15.89	36.00
5825MHz	Pass	8.00	7.85	7.85	28.00	15.85	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	0.72	0.72	15.00	8.72	23.00
5230MHz	Pass	8.00	4.98	4.98	15.00	12.98	23.00
5755MHz	Pass	8.00	3.58	3.58	28.00	11.58	36.00
5795MHz	Pass	8.00	3.86	3.86	28.00	11.86	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-1.58	-1.58	15.00	6.42	23.00
5775MHz	Pass	8.00	-3.33	-3.33	28.00	4.67	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	6.01	6.01	15.00	14.01	23.00
5200MHz	Pass	8.00	9.97	9.97	15.00	17.97	23.00
5240MHz	Pass	8.00	10.12	10.12	15.00	18.12	23.00
5745MHz	Pass	8.00	7.73	7.73	28.00	15.73	36.00
5785MHz	Pass	8.00	7.77	7.77	28.00	15.77	36.00
5825MHz	Pass	8.00	7.61	7.61	28.00	15.61	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	0.85	0.85	15.00	8.85	23.00
5230MHz	Pass	8.00	4.91	4.91	15.00	12.91	23.00
5755MHz	Pass	8.00	3.48	3.48	28.00	11.48	36.00
5795MHz	Pass	8.00	3.78	3.78	28.00	11.78	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-1.65	-1.65	15.00	6.35	23.00
5775MHz	Pass	8.00	-3.51	-3.51	28.00	4.49	36.00

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

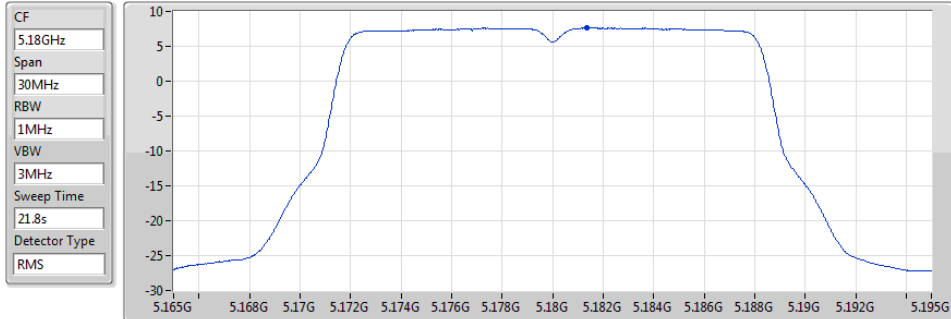
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

25/09/2019



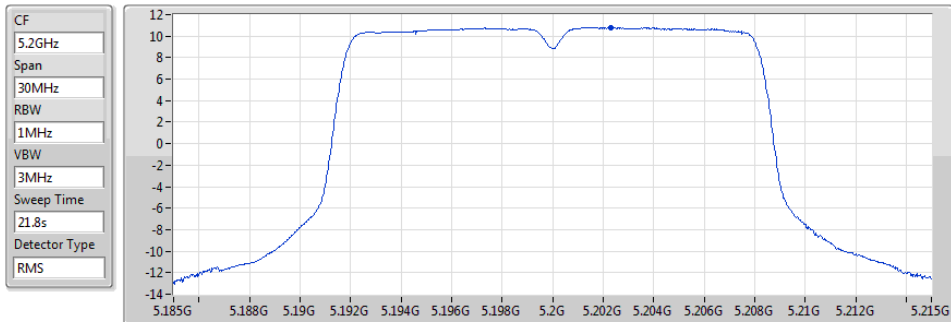
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.62	7.62	7.62

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

25/09/2019



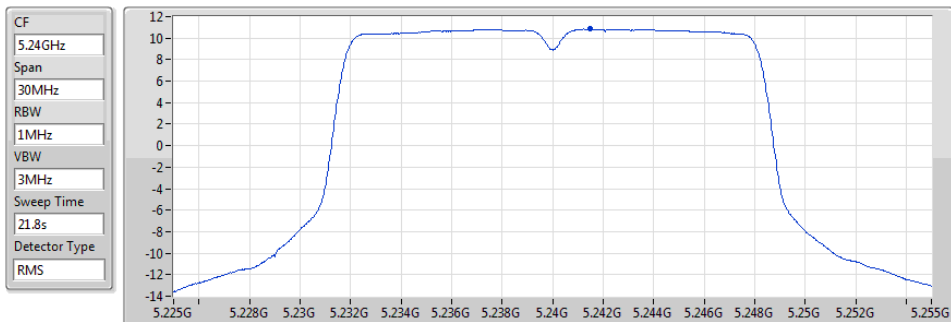
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	10.81

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

25/09/2019



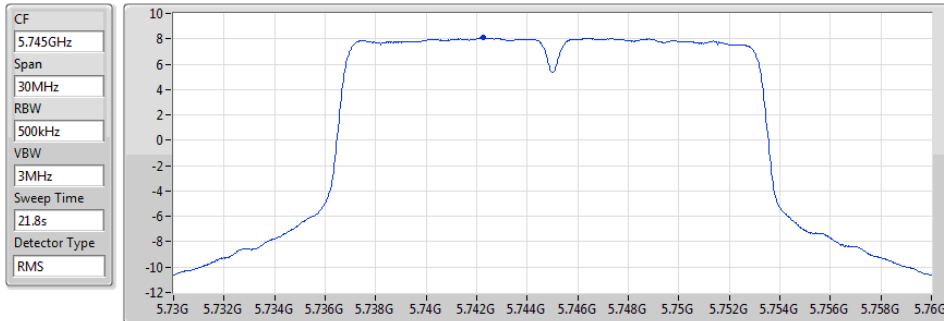
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.85	10.85	10.85

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

25/09/2019



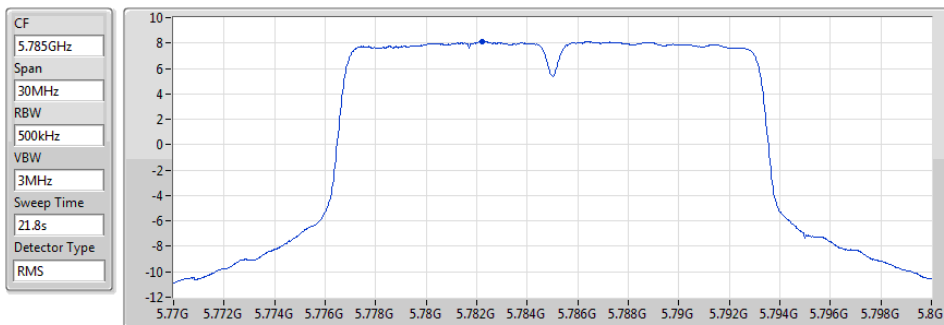
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.10	8.10	8.10

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

25/09/2019



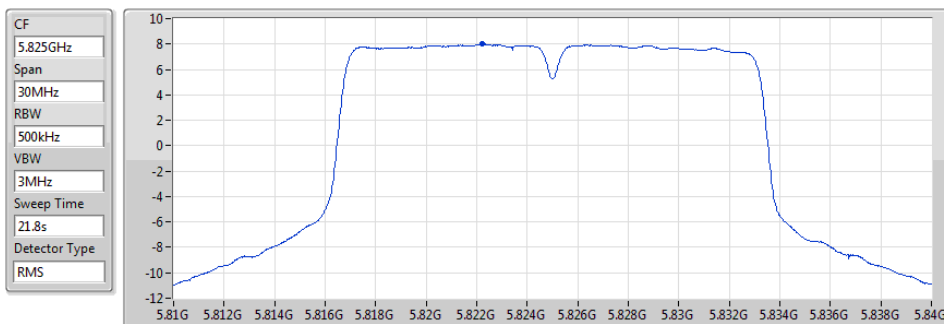
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.12	8.12	8.12

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

25/09/2019



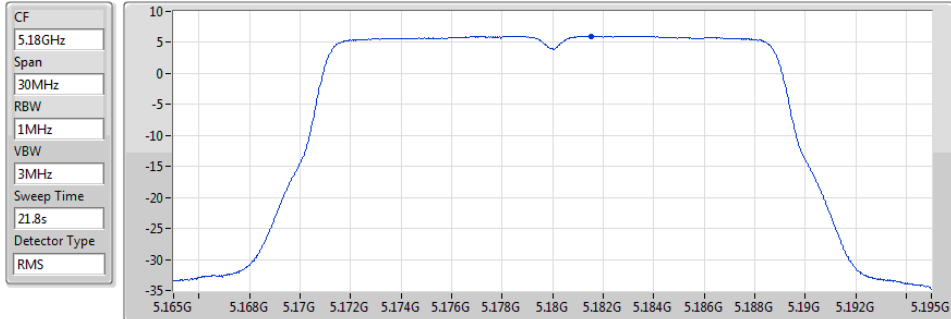
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.01	8.01	8.01

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

25/09/2019



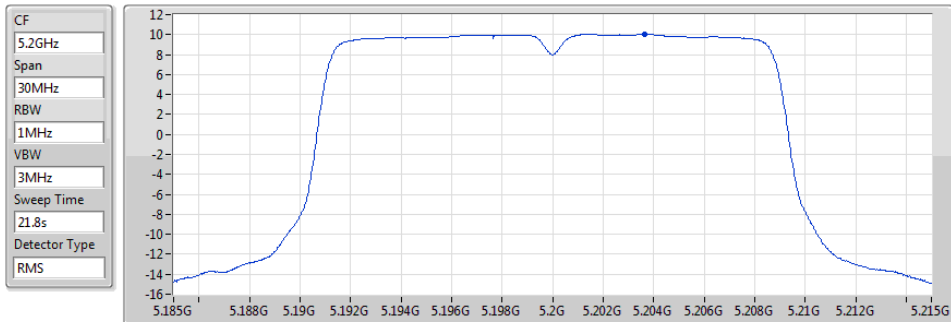
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	6.00

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

25/09/2019



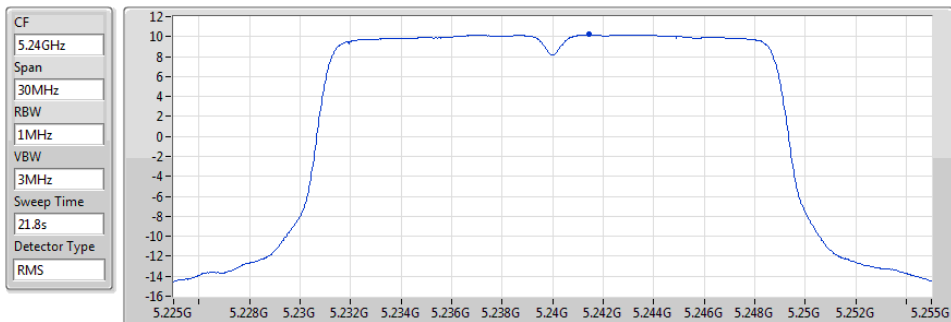
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.04	10.04	10.04

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

25/09/2019



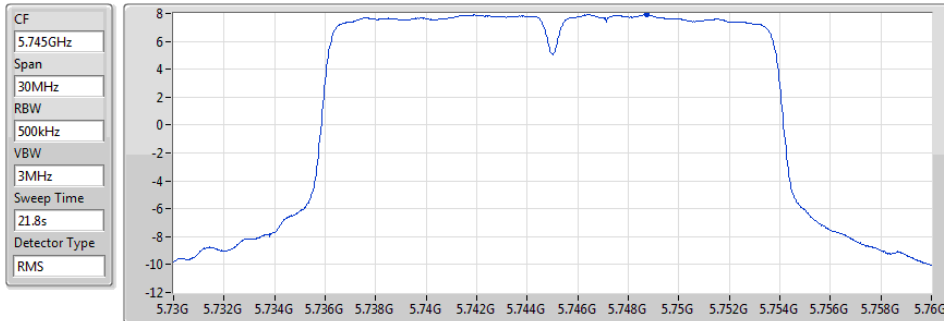
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.20	10.20	10.20

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

25/09/2019

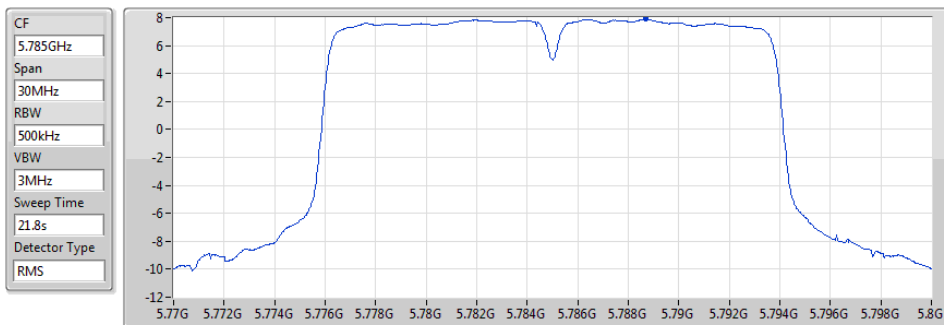


802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

25/09/2019

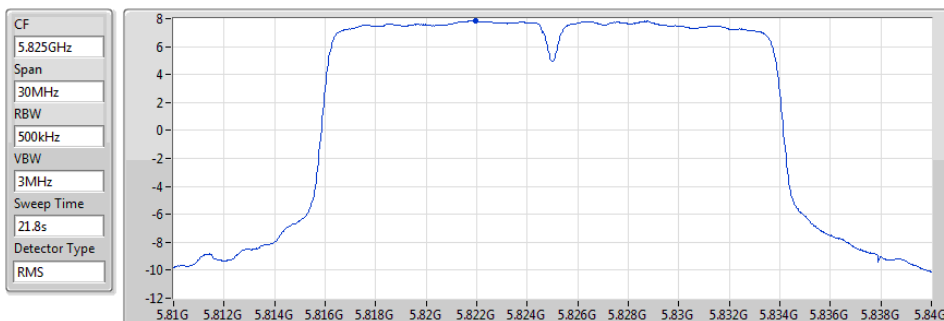


802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

25/09/2019

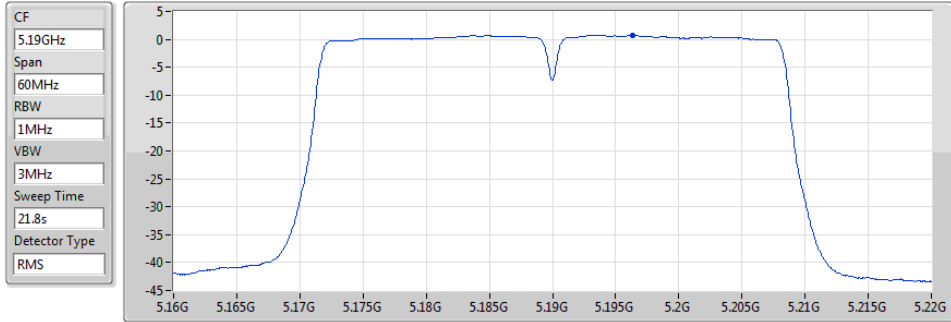


802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

25/09/2019



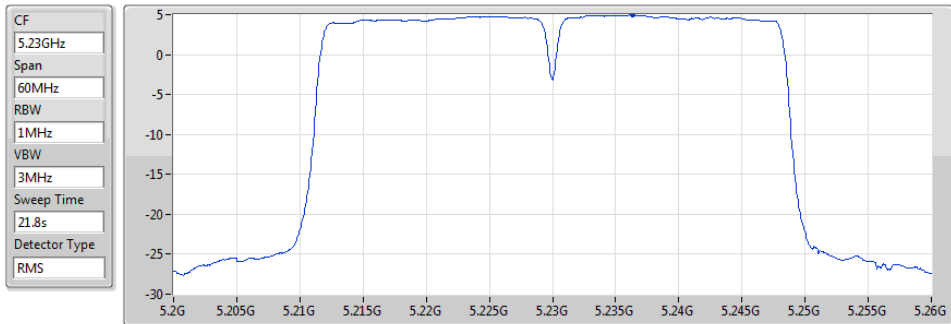
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.72	0.72	0.72

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

25/09/2019



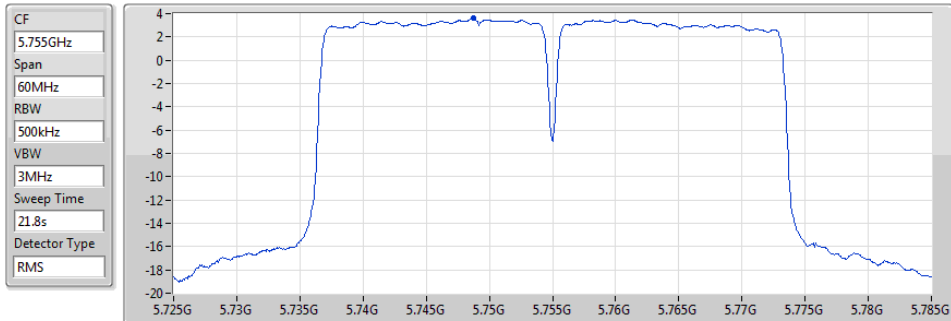
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.98	4.98	4.98

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

25/09/2019



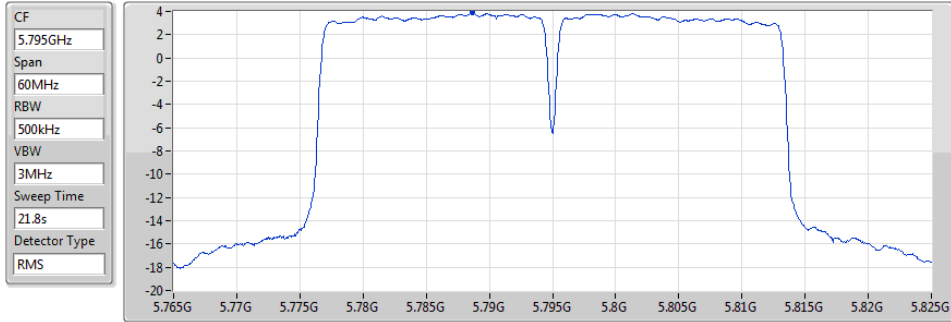
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.58	3.58	3.58

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

25/09/2019



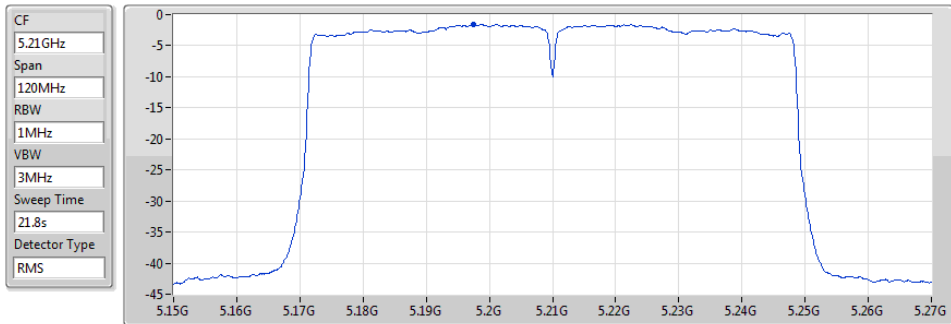
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.86	3.86	3.86

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

25/09/2019



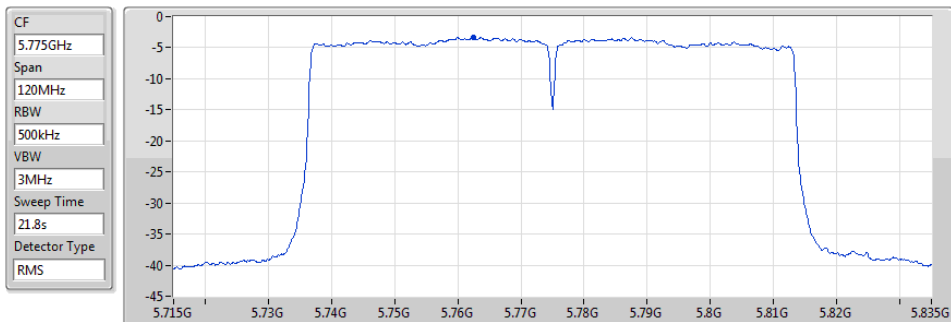
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.58	-1.58	-1.58

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

25/09/2019



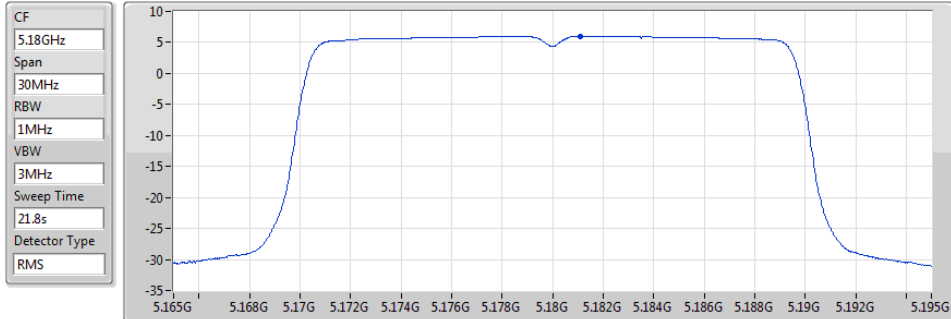
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.33	-3.33	-3.33

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

25/09/2019



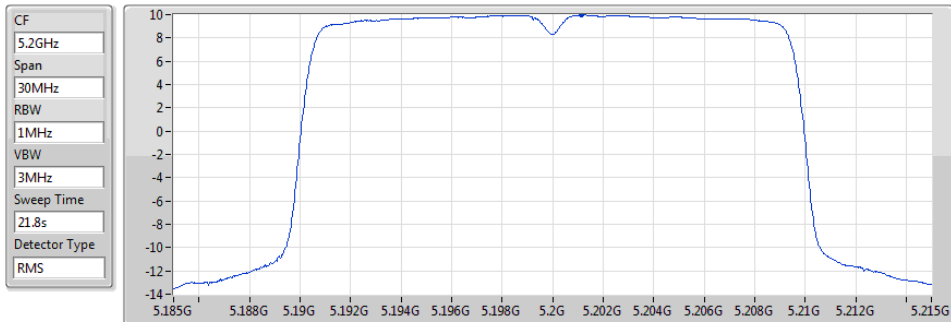
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.01	6.01	6.01

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

25/09/2019



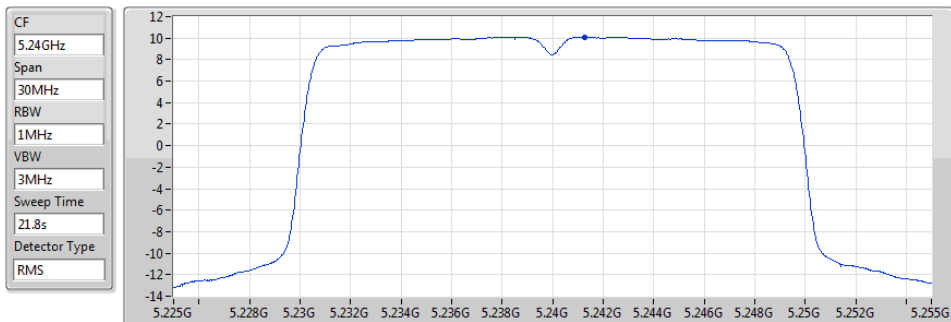
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.97	9.97	9.97

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

25/09/2019



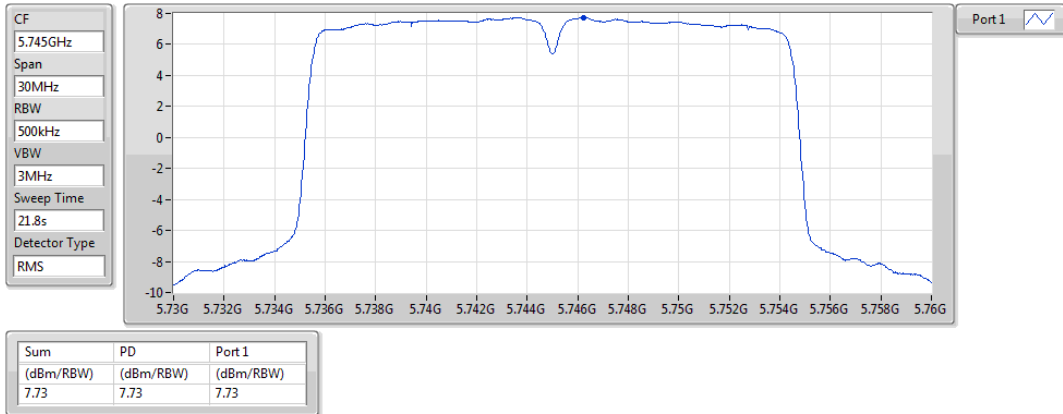
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.12	10.12	10.12

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

25/09/2019

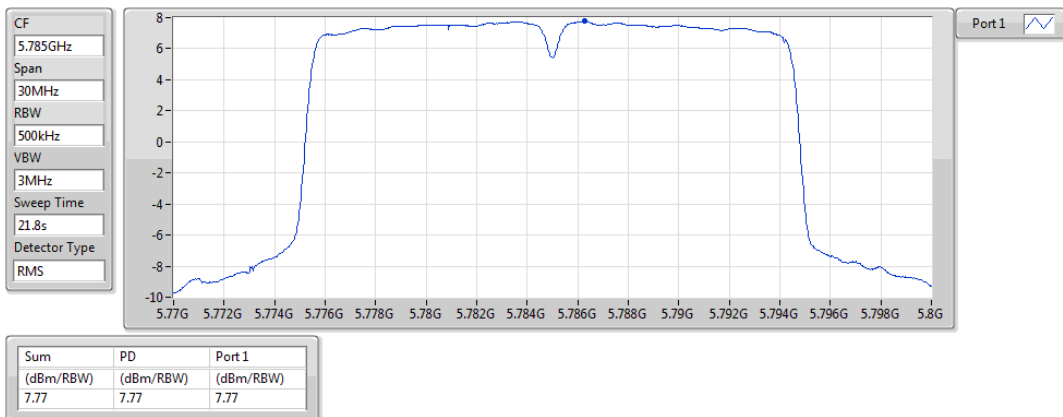


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

25/09/2019

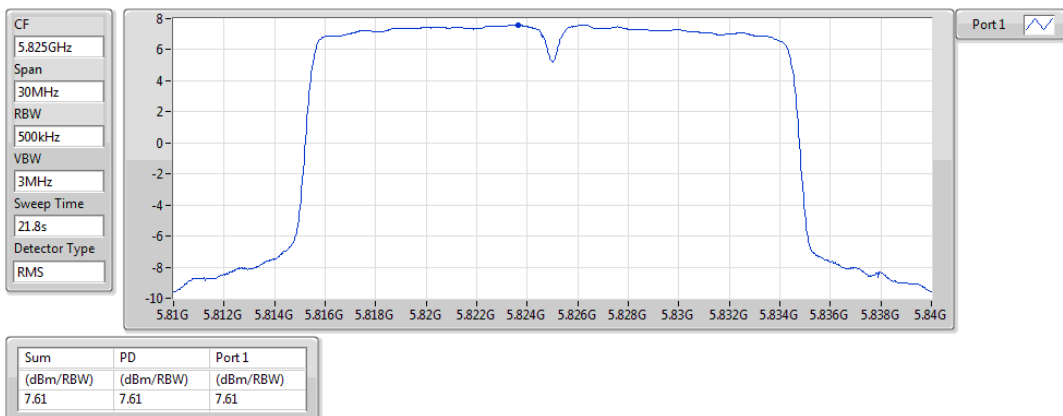


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

25/09/2019

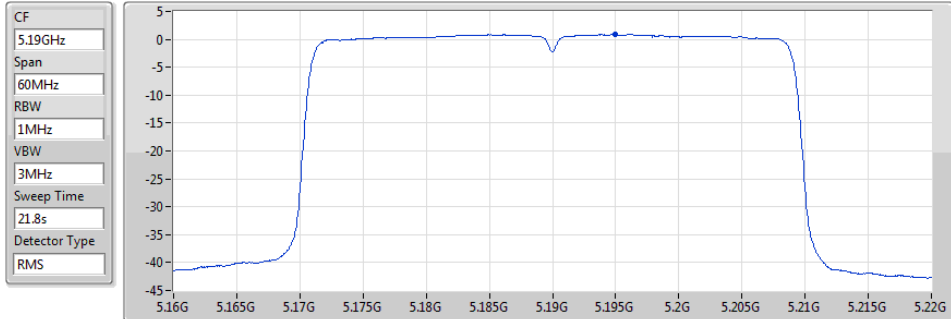


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

25/09/2019



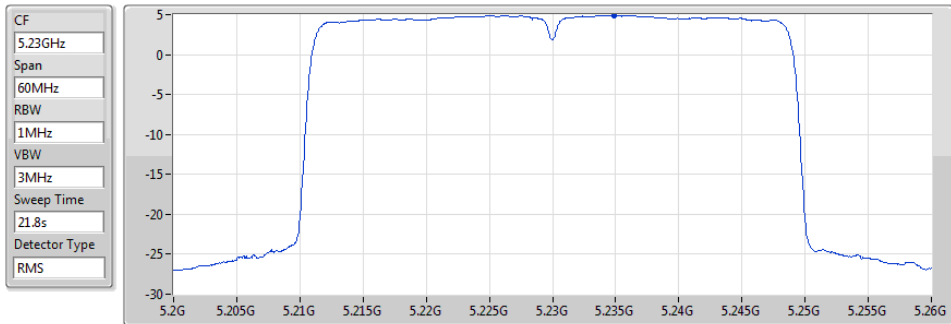
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.85	0.85	0.85

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

25/09/2019



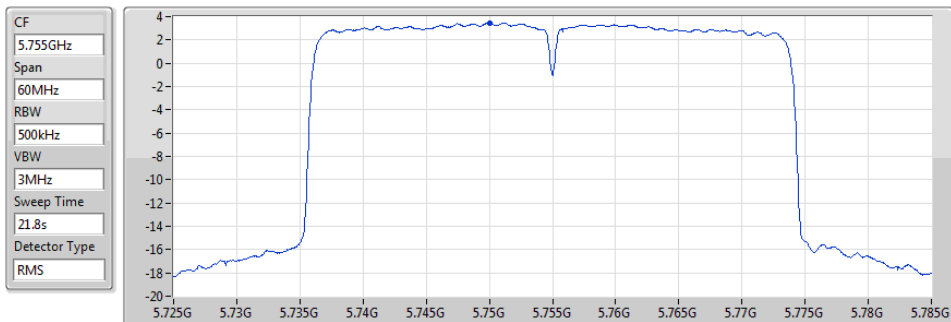
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.91	4.91	4.91

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

25/09/2019



Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.48	3.48	3.48

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

25/09/2019



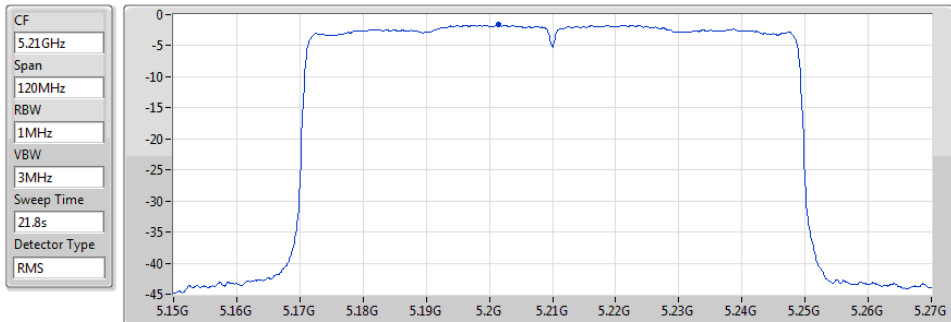
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.78	3.78	3.78

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

25/09/2019



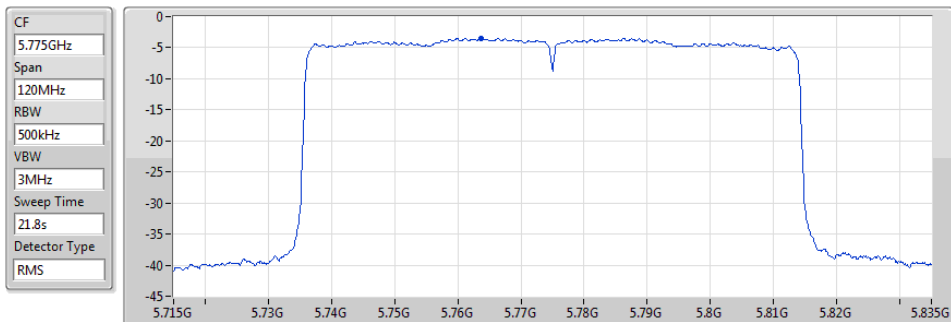
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.65	-1.65	-1.65

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

25/09/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.51	-3.51	-3.51



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.67	22.68
802.11ac VHT20_Nss2,(MCS0)_2TX	12.49	20.49
802.11ac VHT40_Nss2,(MCS0)_2TX	9.78	17.78
802.11ac VHT80_Nss2,(MCS0)_2TX	3.03	11.03
802.11ax HEW20_Nss2,(MCS0)_2TX	12.46	20.46
802.11ax HEW40_Nss2,(MCS0)_2TX	9.77	17.77
802.11ax HEW80_Nss2,(MCS0)_2TX	3.23	11.23
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.50	23.51
802.11ac VHT20_Nss2,(MCS0)_2TX	12.13	20.13
802.11ac VHT40_Nss2,(MCS0)_2TX	9.44	17.44
802.11ac VHT80_Nss2,(MCS0)_2TX	2.38	10.38
802.11ax HEW20_Nss2,(MCS0)_2TX	12.05	20.05
802.11ax HEW40_Nss2,(MCS0)_2TX	9.29	17.29
802.11ax HEW80_Nss2,(MCS0)_2TX	2.36	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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.01	8.21	8.69	11.45	11.99	22.46	23.00
5200MHz	Pass	11.01	8.34	8.99	11.67	11.99	22.68	23.00
5240MHz	Pass	11.01	8.33	8.97	11.65	11.99	22.66	23.00
5745MHz	Pass	11.01	9.47	9.48	12.48	24.99	23.49	36.00
5785MHz	Pass	11.01	9.64	9.47	12.50	24.99	23.51	36.00
5825MHz	Pass	11.01	9.39	9.24	12.31	24.99	23.32	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	6.62	7.13	9.85	15.00	17.85	23.00
5200MHz	Pass	8.00	9.27	9.61	12.41	15.00	20.41	23.00
5240MHz	Pass	8.00	9.30	9.76	12.49	15.00	20.49	23.00
5745MHz	Pass	8.00	9.12	9.17	12.13	28.00	20.13	36.00
5785MHz	Pass	8.00	9.09	9.21	12.13	28.00	20.13	36.00
5825MHz	Pass	8.00	9.10	9.06	12.09	28.00	20.09	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	2.50	2.87	5.64	15.00	13.64	23.00
5230MHz	Pass	8.00	6.57	7.06	9.78	15.00	17.78	23.00
5755MHz	Pass	8.00	6.18	6.75	9.44	28.00	17.44	36.00
5795MHz	Pass	8.00	6.17	6.72	9.42	28.00	17.42	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-0.14	0.30	3.03	15.00	11.03	23.00
5775MHz	Pass	8.00	-0.89	-0.30	2.38	28.00	10.38	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	6.49	6.97	9.73	15.00	17.73	23.00
5200MHz	Pass	8.00	9.09	9.59	12.35	15.00	20.35	23.00
5240MHz	Pass	8.00	9.30	9.61	12.46	15.00	20.46	23.00
5745MHz	Pass	8.00	9.00	9.13	12.05	28.00	20.05	36.00
5785MHz	Pass	8.00	8.97	9.05	12.01	28.00	20.01	36.00
5825MHz	Pass	8.00	8.92	9.03	11.97	28.00	19.97	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	2.49	3.04	5.74	15.00	13.74	23.00
5230MHz	Pass	8.00	6.52	7.02	9.77	15.00	17.77	23.00
5755MHz	Pass	8.00	6.08	6.63	9.29	28.00	17.29	36.00
5795MHz	Pass	8.00	6.07	6.65	9.29	28.00	17.29	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	0.19	0.38	3.23	15.00	11.23	23.00
5775MHz	Pass	8.00	-0.87	-0.35	2.36	28.00	10.36	36.00

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

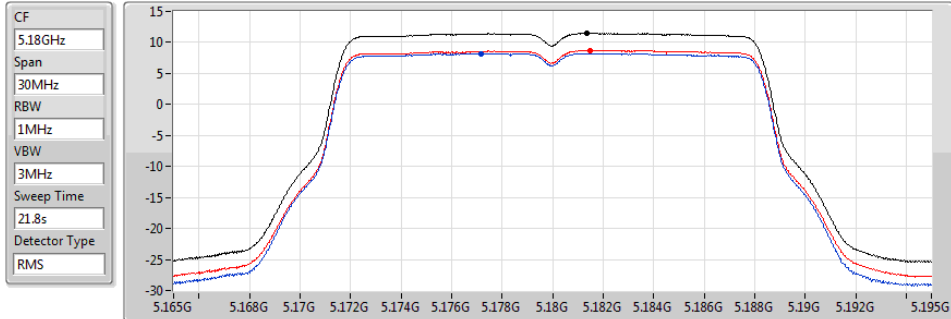
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

26/09/2019



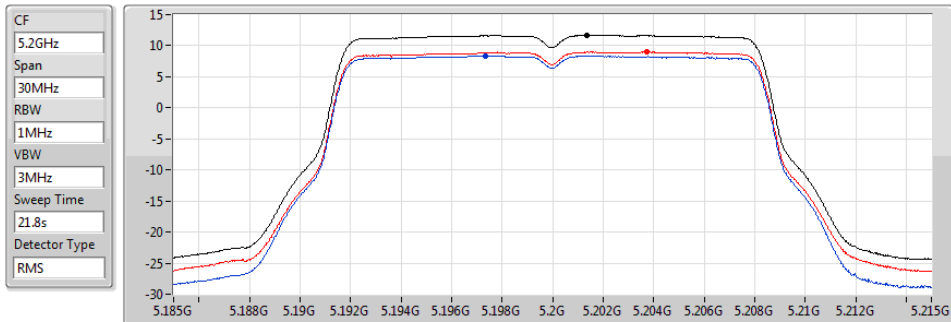
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.45	11.45	8.21	8.69

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

26/09/2019



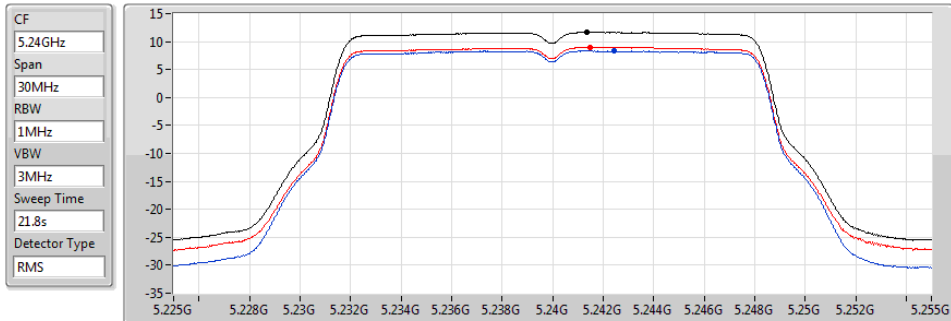
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.67	11.67	8.34	8.99

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

26/09/2019



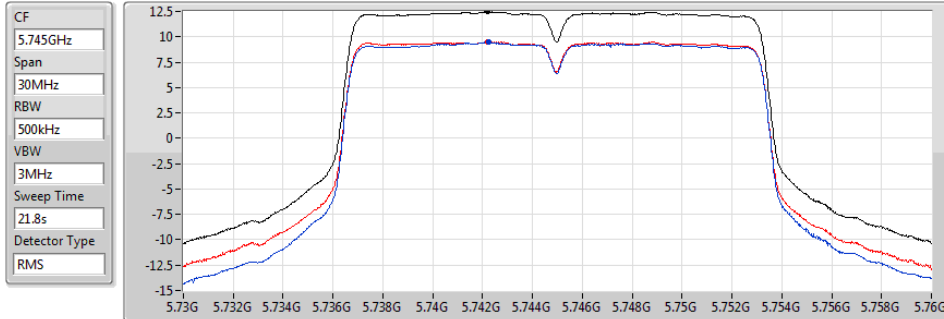
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.65	11.65	8.33	8.97

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

26/09/2019



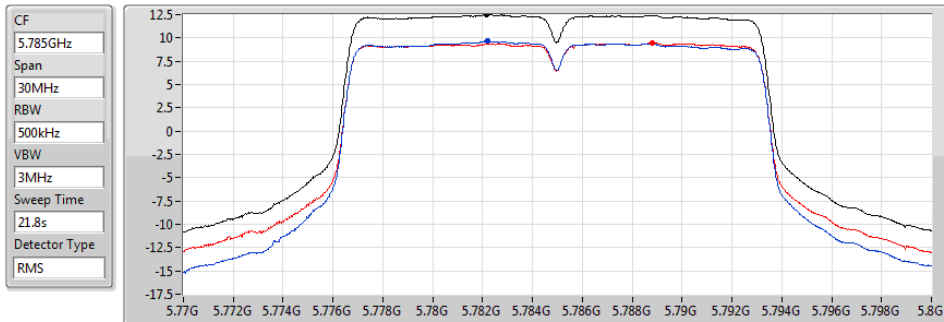
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.48	12.48	9.47	9.48

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

26/09/2019



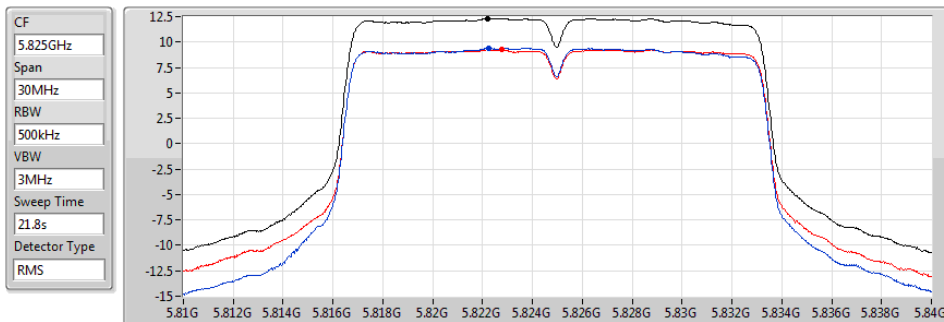
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.50	12.50	9.64	9.47

802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

26/09/2019



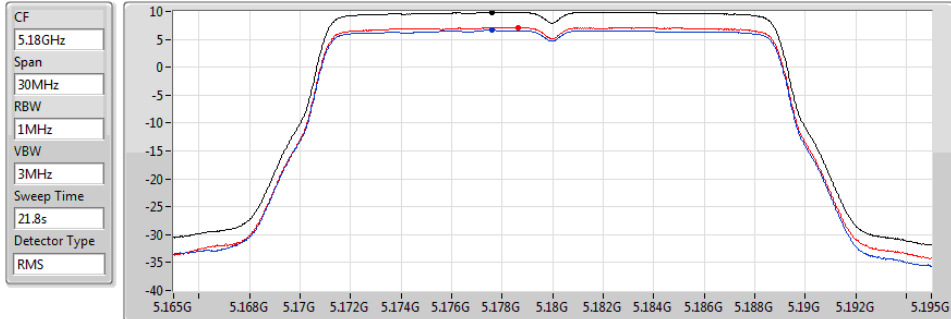
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.31	12.31	9.39	9.24

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5180MHz

26/09/2019



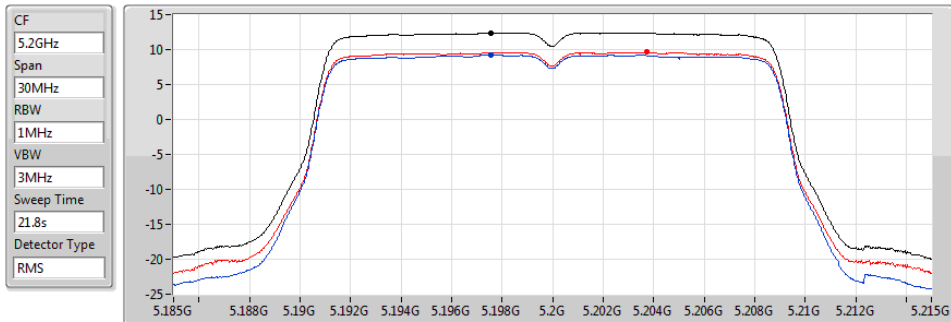
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.85	9.85	6.62	7.13

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5200MHz

26/09/2019



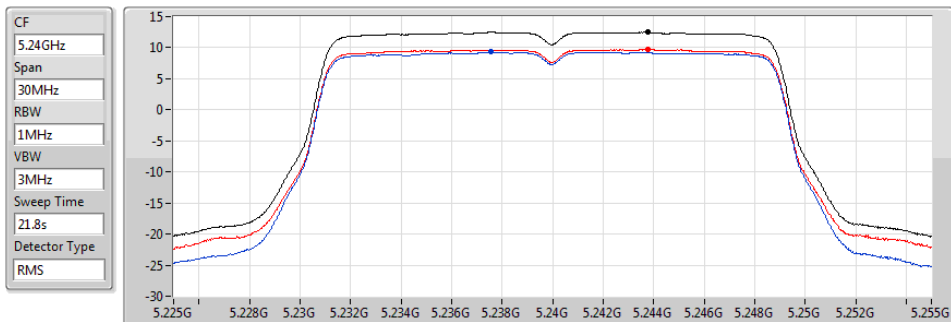
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.41	12.41	9.27	9.61

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

26/09/2019



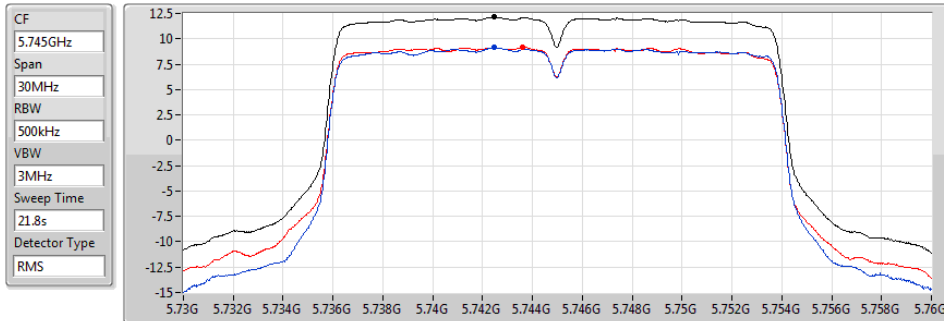
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.49	12.49	9.30	9.76

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

26/09/2019



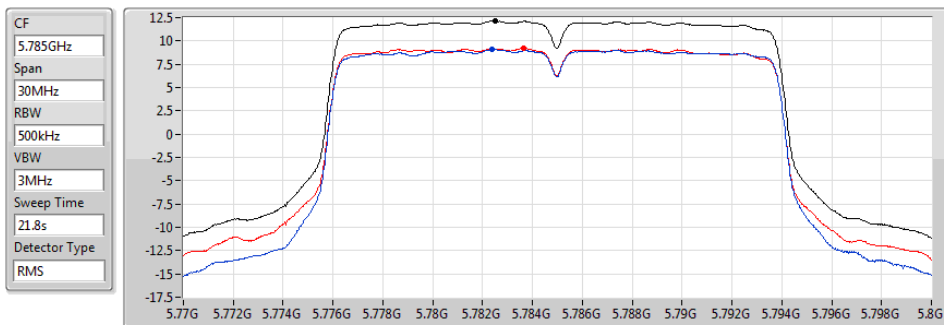
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.13	12.13	9.12	9.17

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

26/09/2019



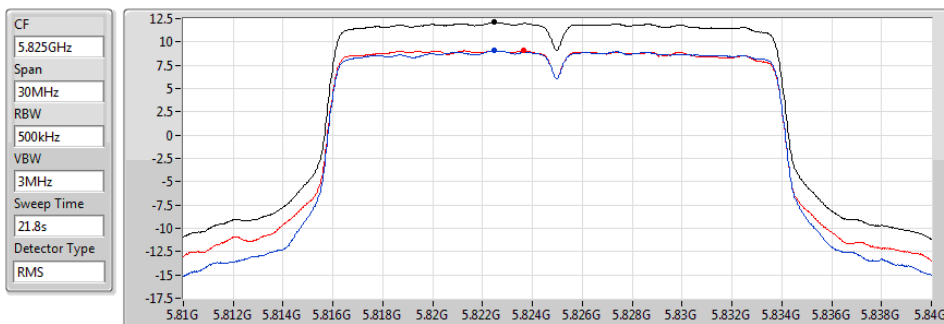
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.13	12.13	9.09	9.21

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5825MHz

26/09/2019



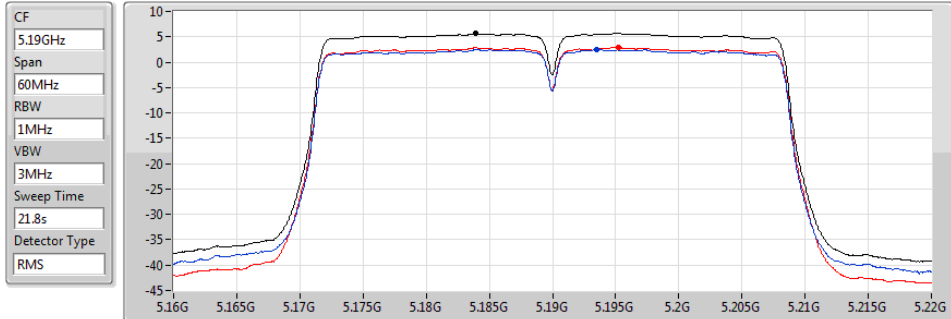
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.09	12.09	9.10	9.06

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5190MHz

26/09/2019



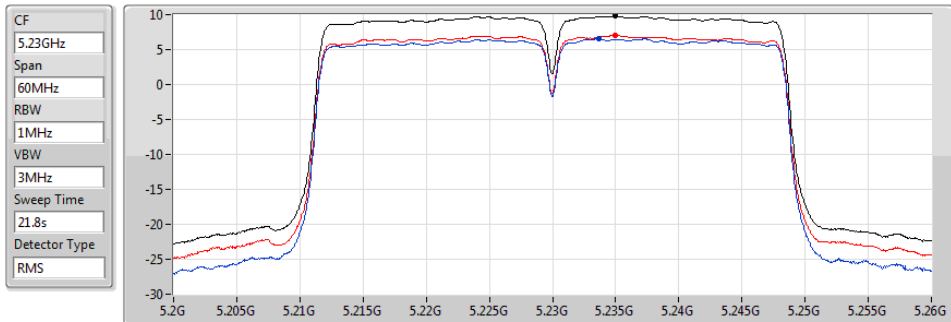
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.64	5.64	2.50	2.87

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

26/09/2019



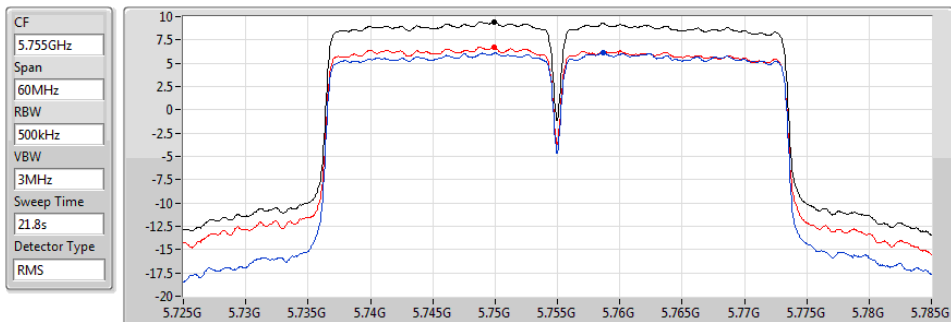
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.78	9.78	6.57	7.06

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

26/09/2019



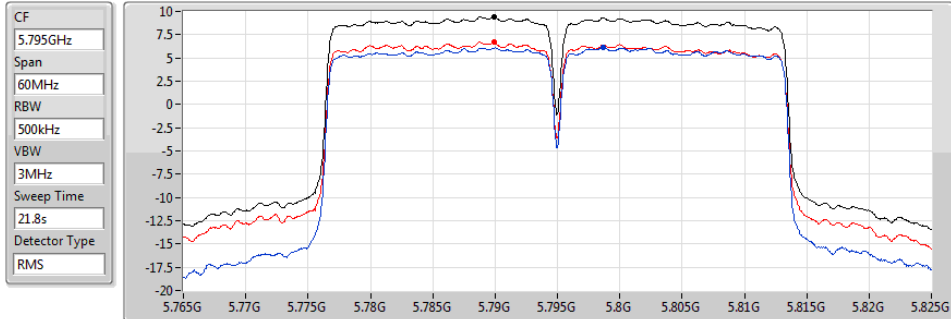
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.18	6.75

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

26/09/2019



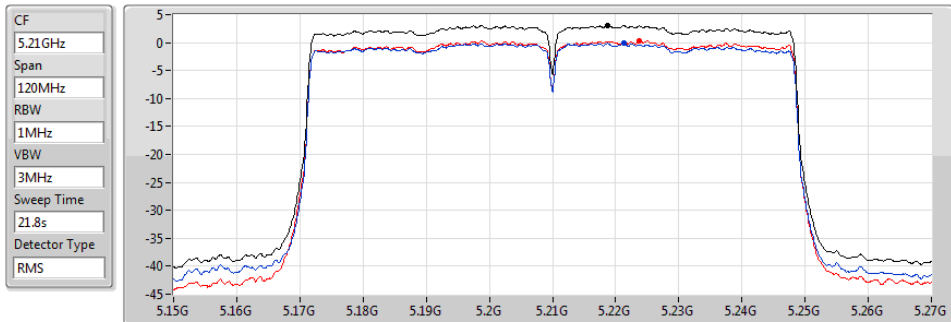
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.42	9.42	6.17	6.72

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

26/09/2019



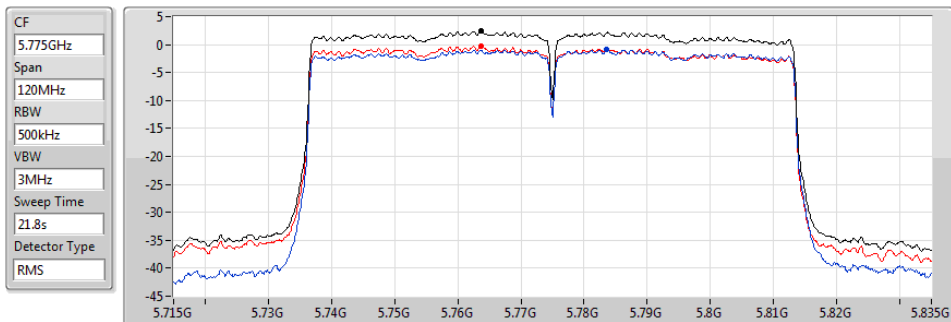
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.03	3.03	-0.14	0.30

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

26/09/2019



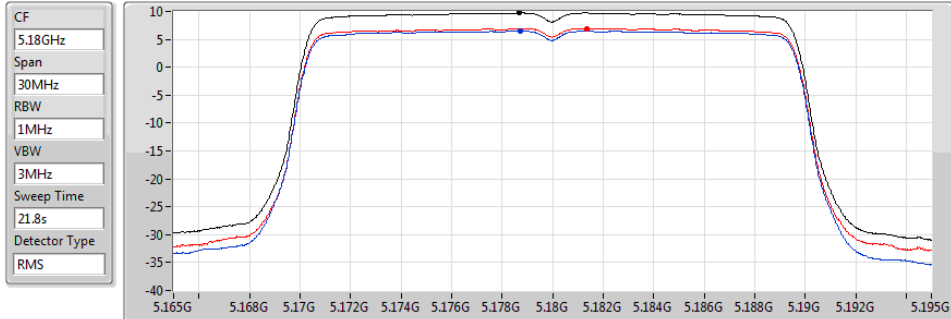
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.38	2.38	-0.89	-0.30

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

26/09/2019



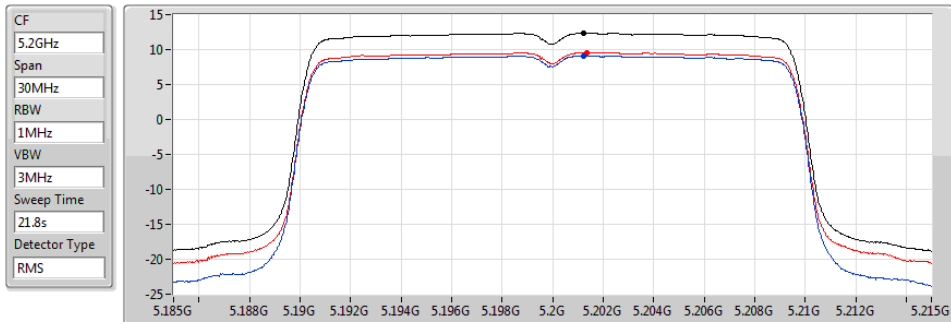
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.73	9.73	6.49	6.97

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

26/09/2019



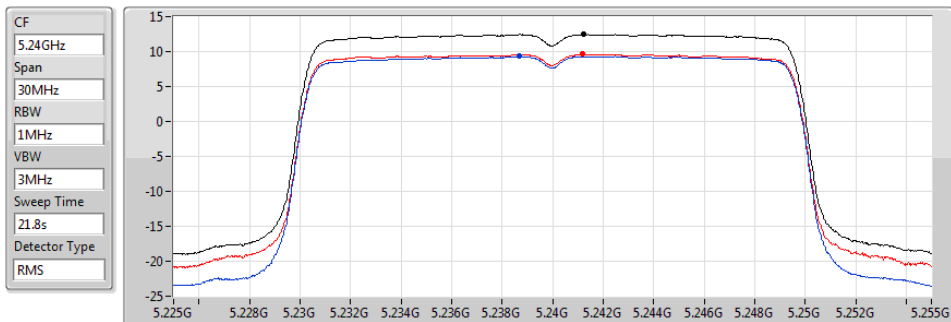
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.35	12.35	9.09	9.59

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

26/09/2019



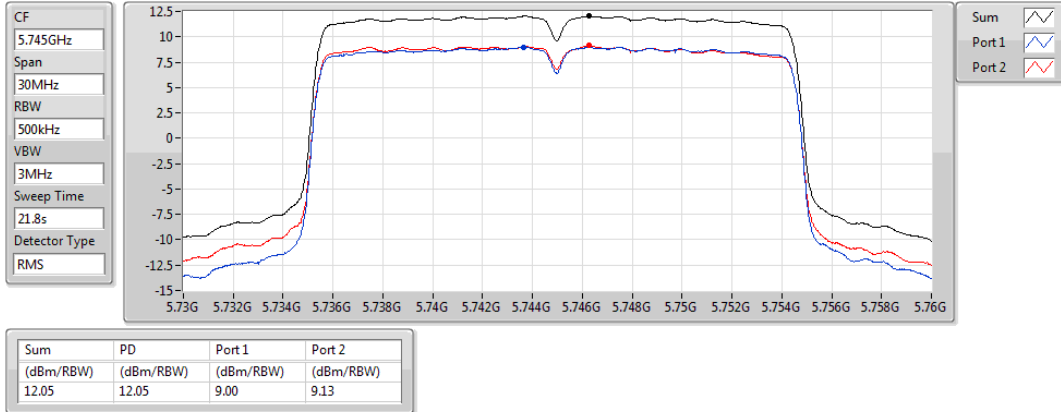
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.46	12.46	9.30	9.61

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

26/09/2019

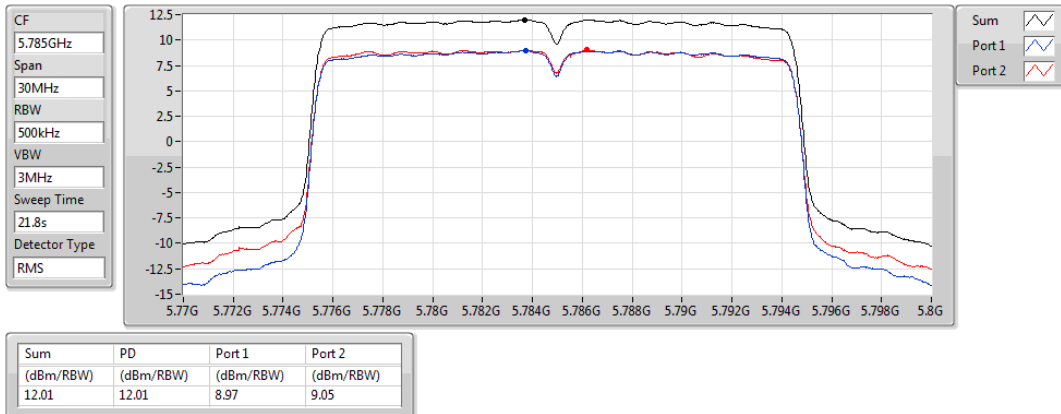


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

26/09/2019

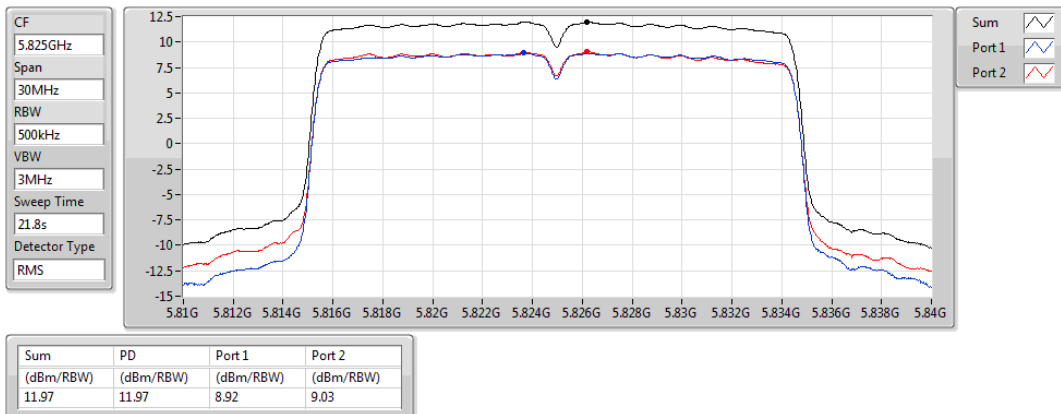


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

26/09/2019

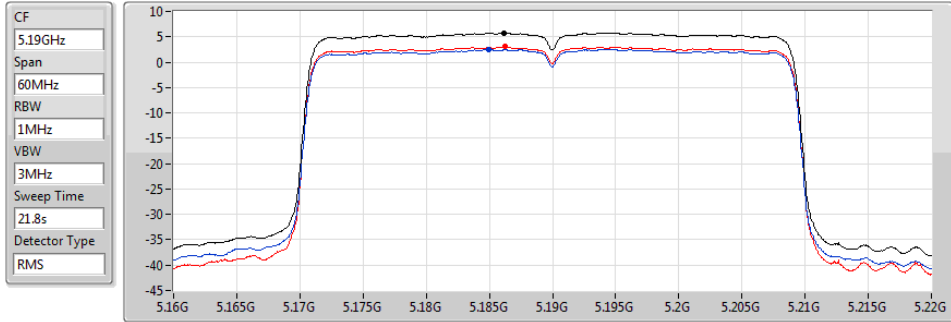


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

26/09/2019



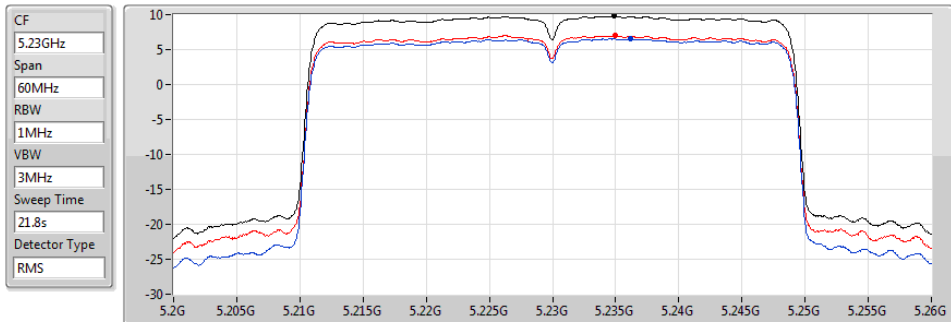
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.74	5.74	2.49	3.04

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

26/09/2019



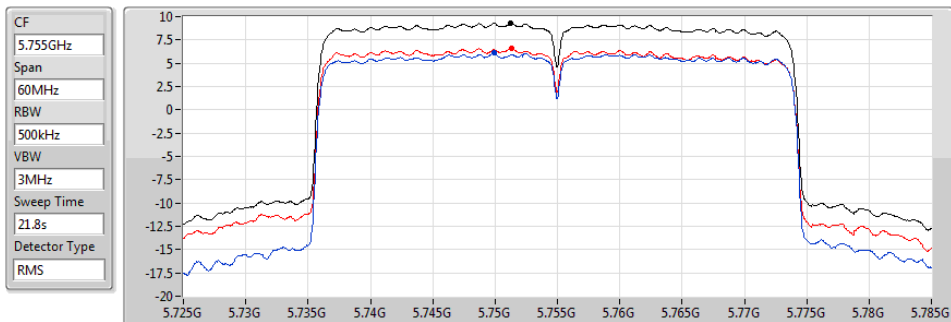
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.77	9.77	6.52	7.02

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

26/09/2019



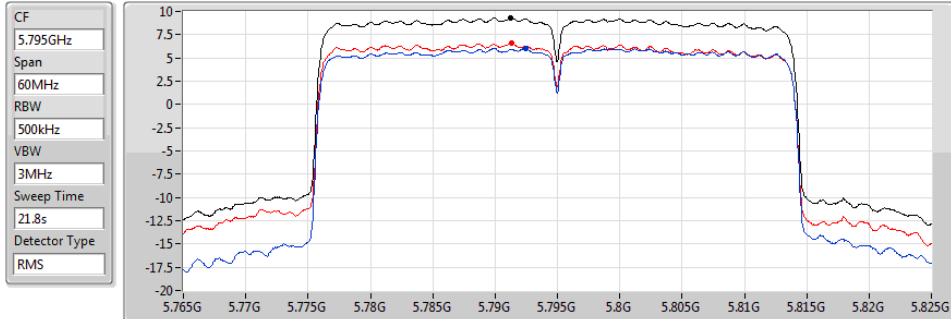
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.29	9.29	6.08	6.63

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

26/09/2019



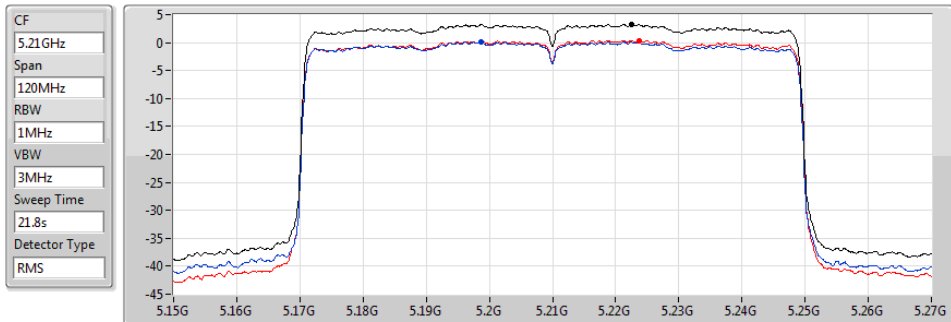
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.29	9.29	6.07	6.65

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

26/09/2019



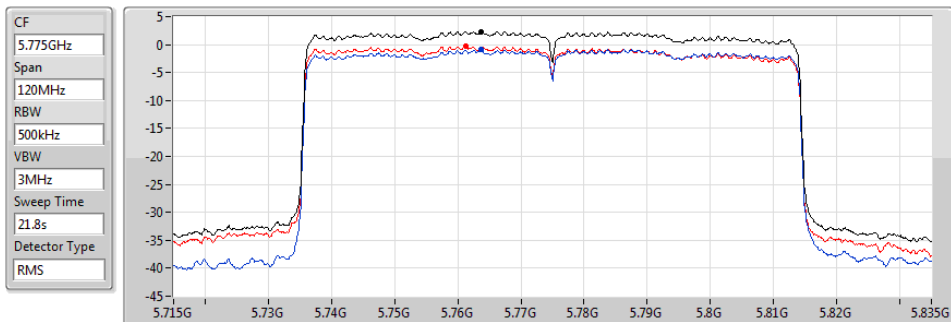
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.23	3.23	0.19	0.38

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

26/09/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.36	2.36	-0.87	-0.35



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	8.84	22.86
802.11ac VHT20_Nss1,(MCS0)_4TX	8.69	22.71
802.11ac VHT40_Nss1,(MCS0)_4TX	8.61	22.63
802.11ac VHT80_Nss1,(MCS0)_4TX	2.81	16.83
802.11ax HEW20_Nss1,(MCS0)_4TX	8.75	22.77
802.11ax HEW40_Nss1,(MCS0)_4TX	8.82	22.84
802.11ax HEW80_Nss1,(MCS0)_4TX	3.20	17.22
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.91	26.93
802.11ac VHT20_Nss1,(MCS0)_4TX	12.25	26.27
802.11ac VHT40_Nss1,(MCS0)_4TX	9.37	23.39
802.11ac VHT80_Nss1,(MCS0)_4TX	2.39	16.41
802.11ax HEW20_Nss1,(MCS0)_4TX	12.43	26.45
802.11ax HEW40_Nss1,(MCS0)_4TX	9.67	23.69
802.11ax HEW80_Nss1,(MCS0)_4TX	2.69	16.71

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	14.02	2.57	3.14	2.80	2.64	8.71	8.98	22.73	23.00
5200MHz	Pass	14.02	2.66	3.08	2.86	2.87	8.84	8.98	22.86	23.00
5240MHz	Pass	14.02	2.59	3.00	2.80	2.64	8.74	8.98	22.76	23.00
5745MHz	Pass	14.02	6.85	6.84	6.97	7.00	12.91	21.98	26.93	36.00
5785MHz	Pass	14.02	6.74	6.65	6.59	6.79	12.65	21.98	26.67	36.00
5825MHz	Pass	14.02	6.61	6.46	6.50	6.76	12.56	21.98	26.58	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	14.02	2.54	2.80	2.82	2.64	8.69	8.98	22.71	23.00
5200MHz	Pass	14.02	2.36	2.57	2.59	2.56	8.50	8.98	22.52	23.00
5240MHz	Pass	14.02	2.39	2.65	2.72	2.56	8.56	8.98	22.58	23.00
5745MHz	Pass	14.02	6.06	6.31	6.36	6.39	12.25	21.98	26.27	36.00
5785MHz	Pass	14.02	5.96	5.99	6.08	6.16	11.98	21.98	26.00	36.00
5825MHz	Pass	14.02	5.85	5.84	6.01	6.04	11.88	21.98	25.90	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	14.02	-0.18	-0.03	-0.07	-0.14	5.85	8.98	19.87	23.00
5230MHz	Pass	14.02	2.24	2.75	2.82	2.66	8.61	8.98	22.63	23.00
5755MHz	Pass	14.02	2.89	3.56	3.51	3.47	9.37	21.98	23.39	36.00
5795MHz	Pass	14.02	2.98	3.42	3.29	3.22	9.19	21.98	23.21	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	14.02	-3.53	-2.99	-3.13	-3.11	2.81	8.98	16.83	23.00
5775MHz	Pass	14.02	-3.97	-3.46	-3.41	-3.57	2.39	21.98	16.41	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	14.02	2.64	2.89	2.96	2.55	8.75	8.98	22.77	23.00
5200MHz	Pass	14.02	2.59	2.75	2.84	2.66	8.69	8.98	22.71	23.00
5240MHz	Pass	14.02	2.56	2.83	2.86	2.75	8.75	8.98	22.77	23.00
5745MHz	Pass	14.02	6.25	6.52	6.57	6.54	12.43	21.98	26.45	36.00
5785MHz	Pass	14.02	6.09	6.17	6.26	6.23	12.16	21.98	26.18	36.00
5825MHz	Pass	14.02	6.21	6.12	6.28	6.35	12.19	21.98	26.21	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	14.02	-0.03	0.12	0.30	0.17	6.11	8.98	20.13	23.00
5230MHz	Pass	14.02	2.56	3.00	2.98	2.80	8.82	8.98	22.84	23.00
5755MHz	Pass	14.02	2.94	3.45	3.62	3.45	9.33	21.98	23.35	36.00
5795MHz	Pass	14.02	3.66	3.71	3.76	3.75	9.67	21.98	23.69	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	14.02	-3.06	-2.61	-2.81	-2.62	3.20	8.98	17.22	23.00
5775MHz	Pass	14.02	-3.73	-3.11	-3.17	-3.31	2.69	21.98	16.71	36.00

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

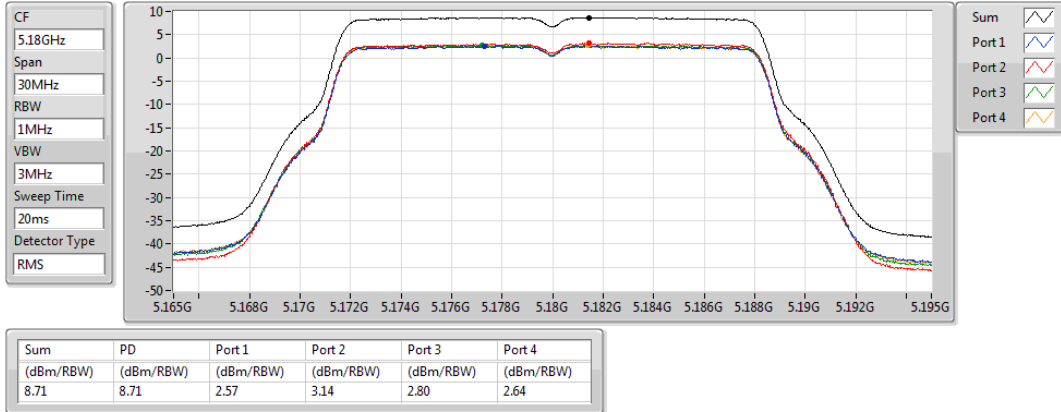
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

27/09/2019

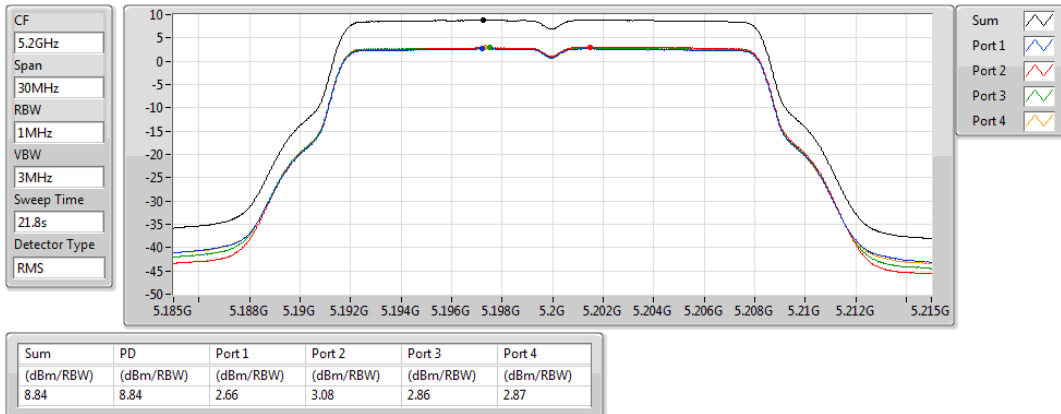


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

27/09/2019

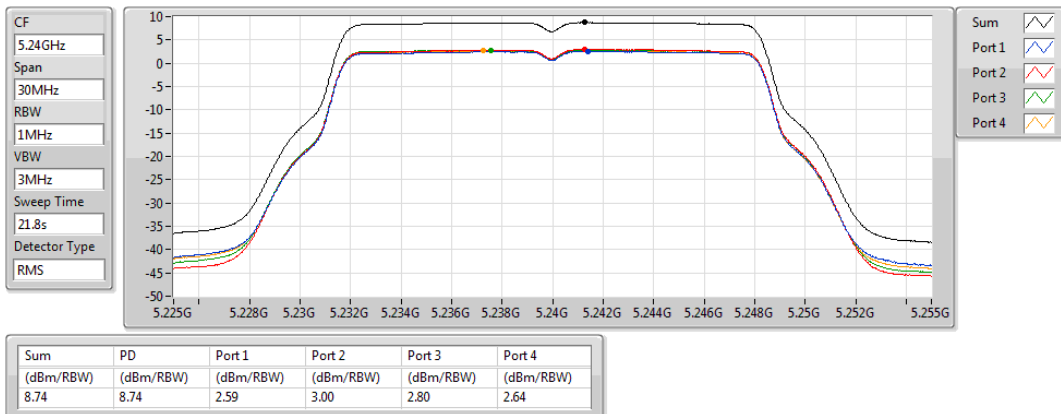


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

27/09/2019

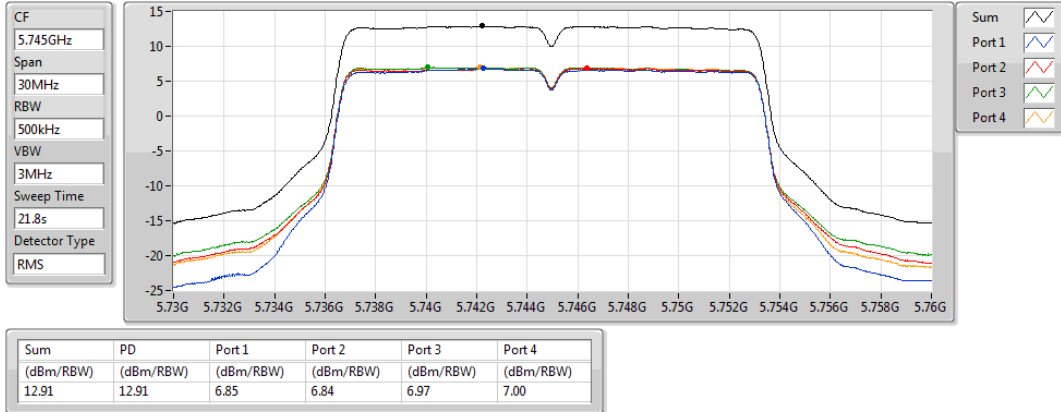


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

27/09/2019

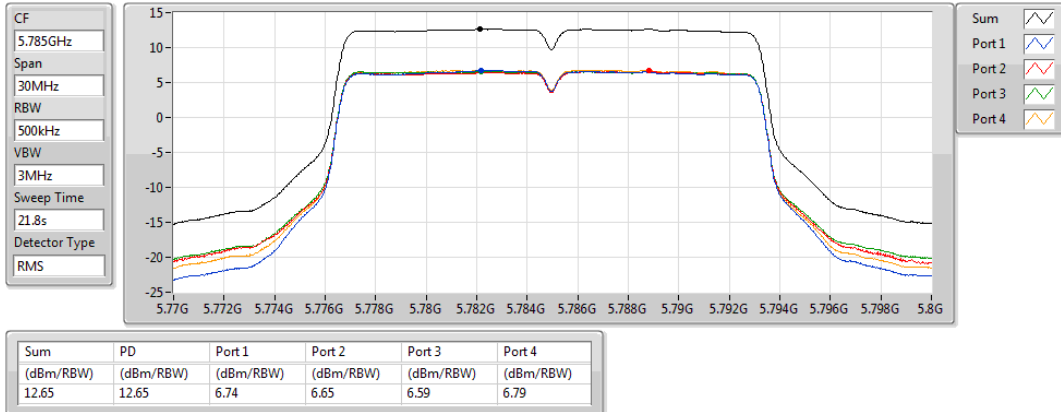


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

27/09/2019

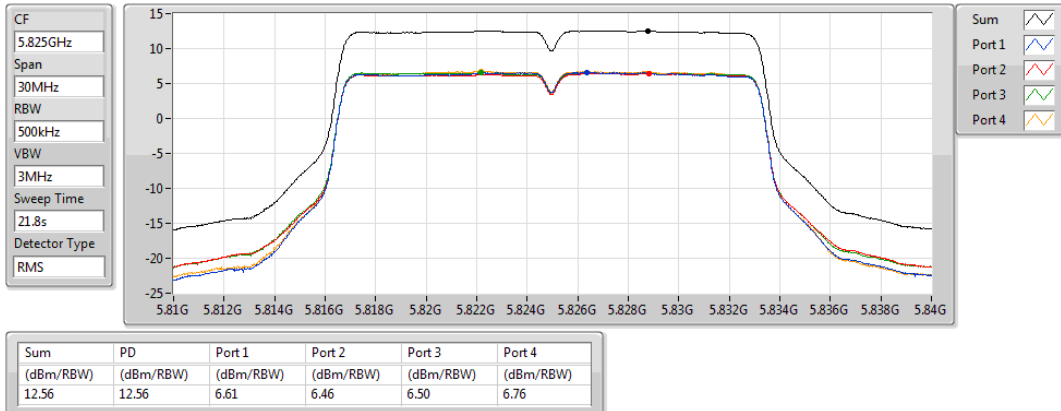


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

27/09/2019

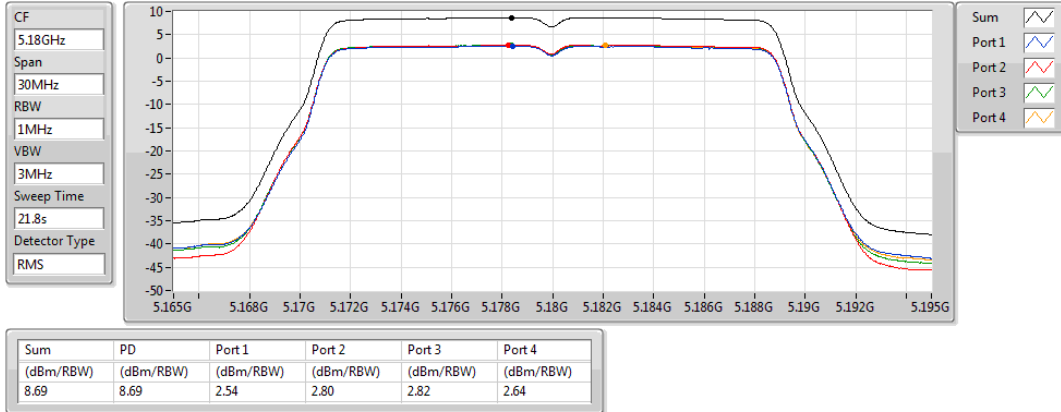


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

27/09/2019

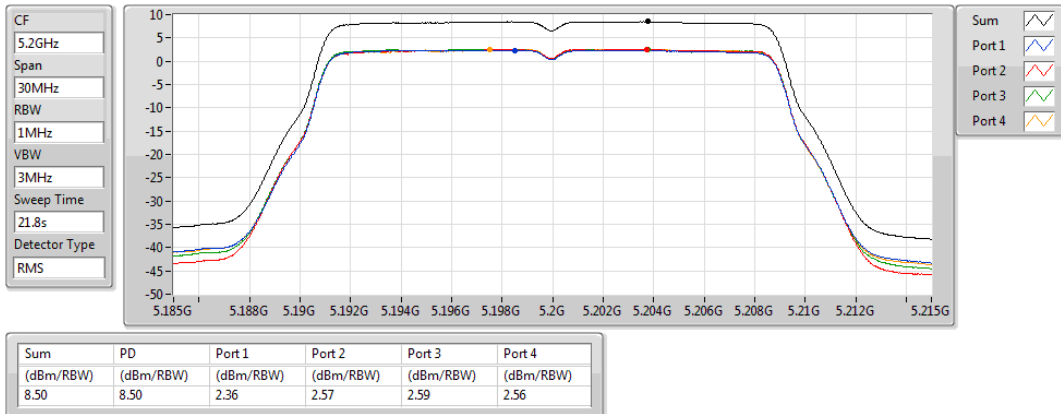


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

27/09/2019

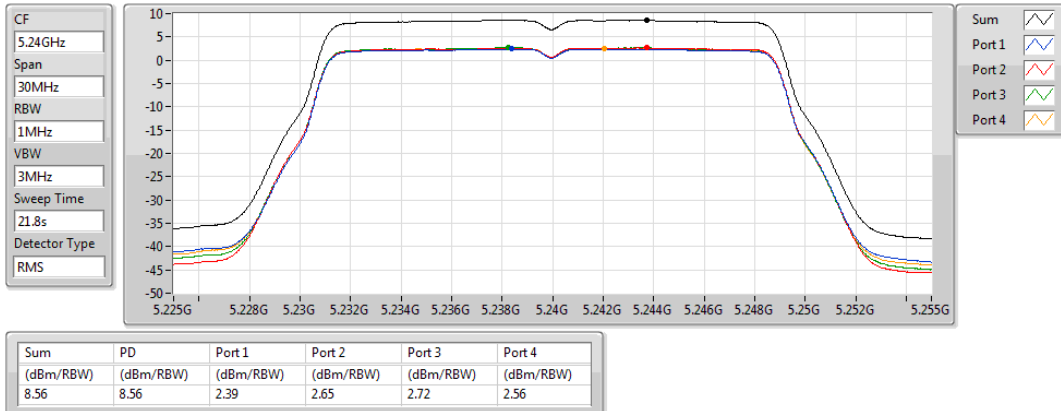


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

27/09/2019

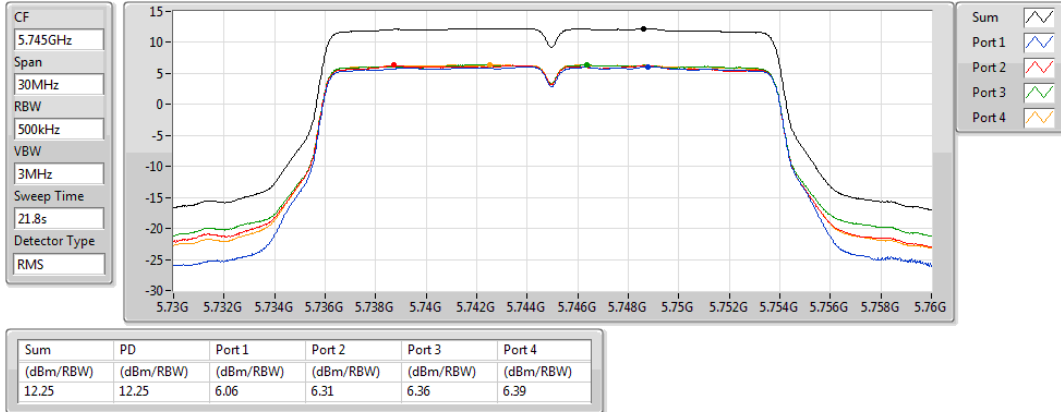


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

27/09/2019

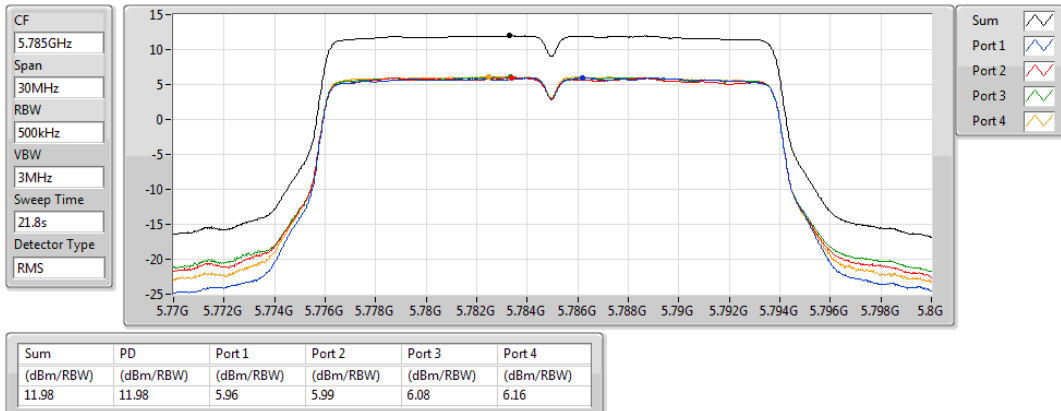


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

27/09/2019

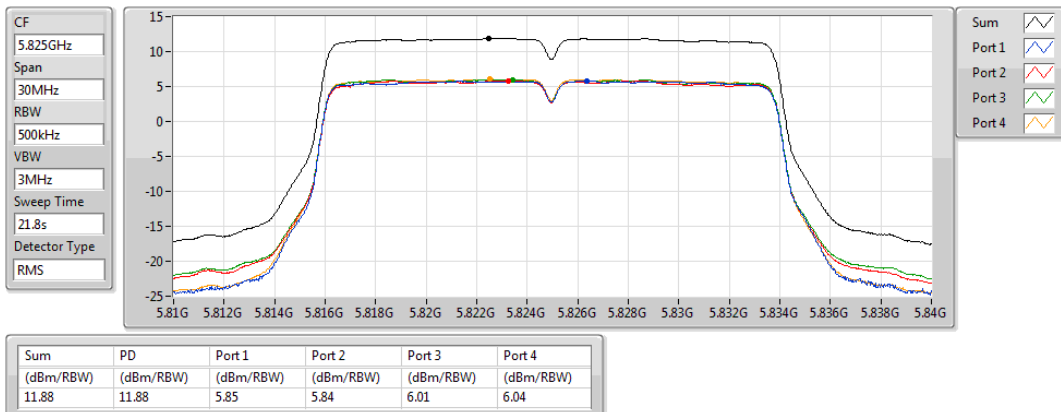


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

27/09/2019

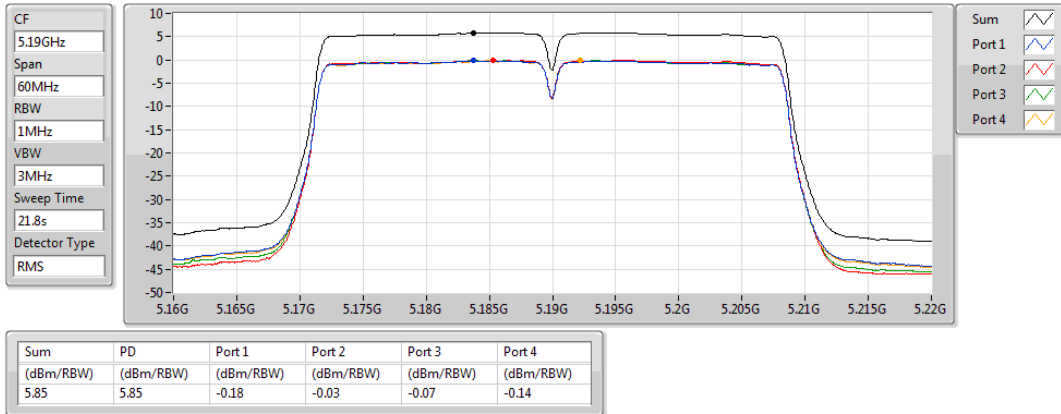


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

27/09/2019

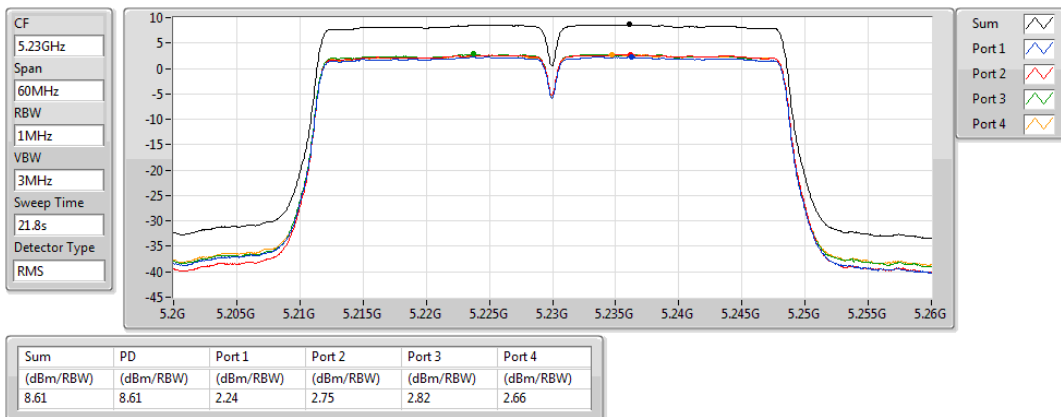


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

27/09/2019

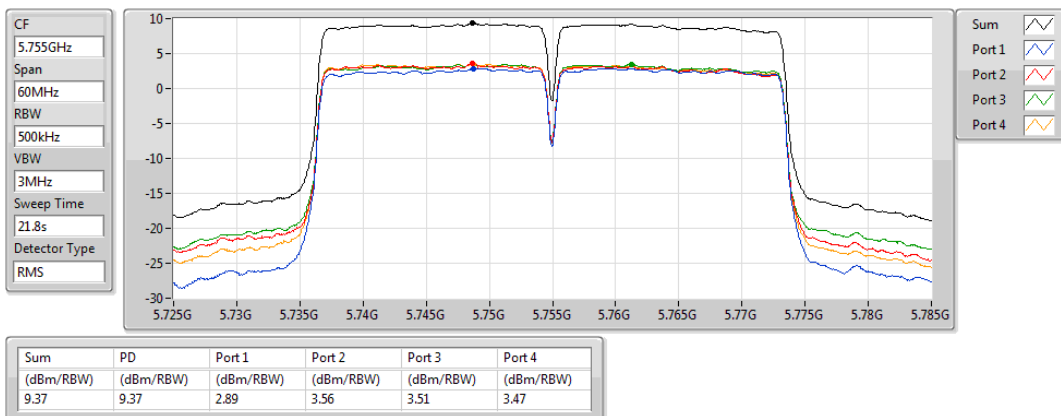


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5755MHz

27/09/2019



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

27/09/2019

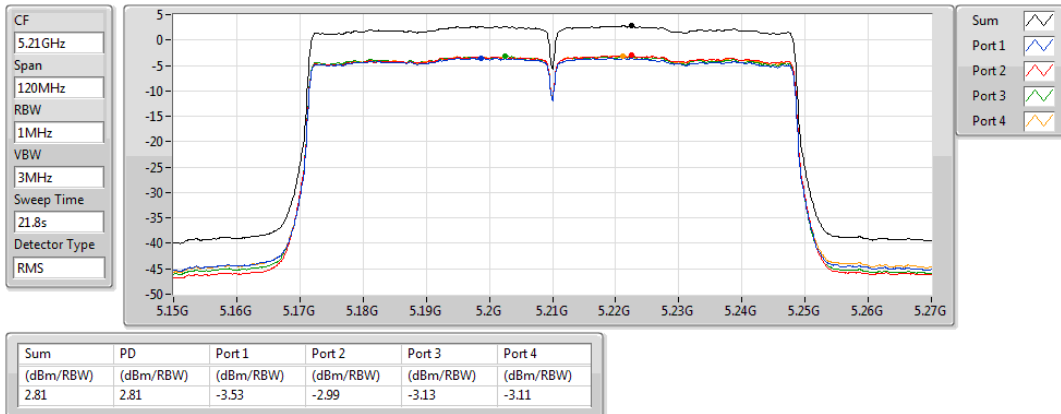


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

27/09/2019

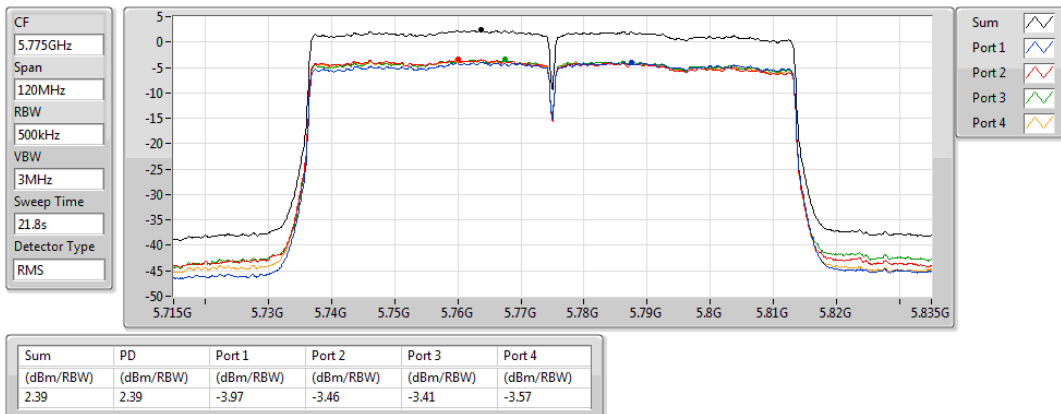


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

27/09/2019

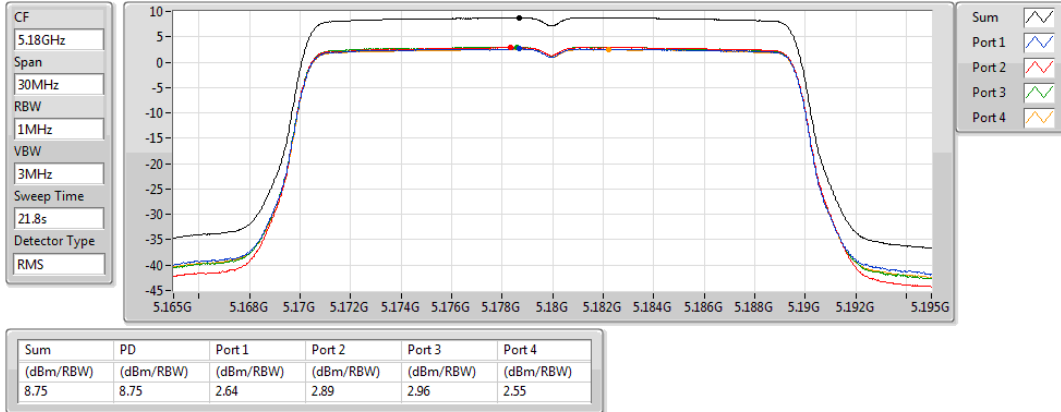


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

27/09/2019

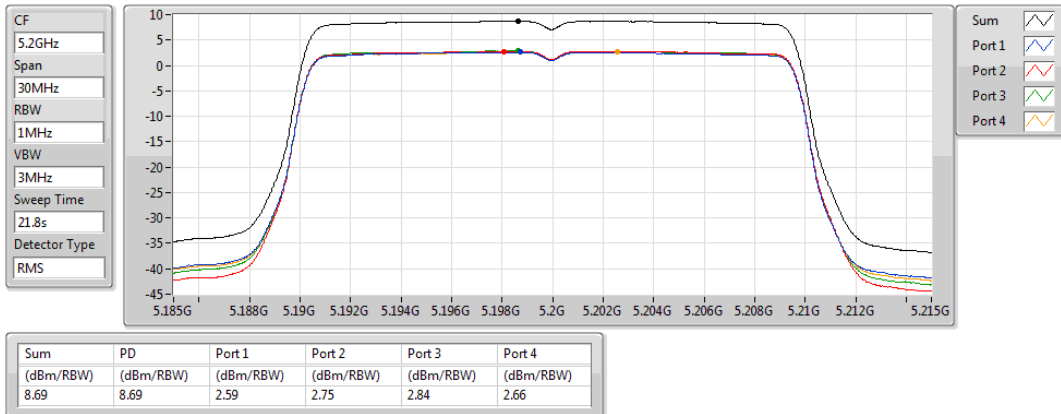


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

27/09/2019

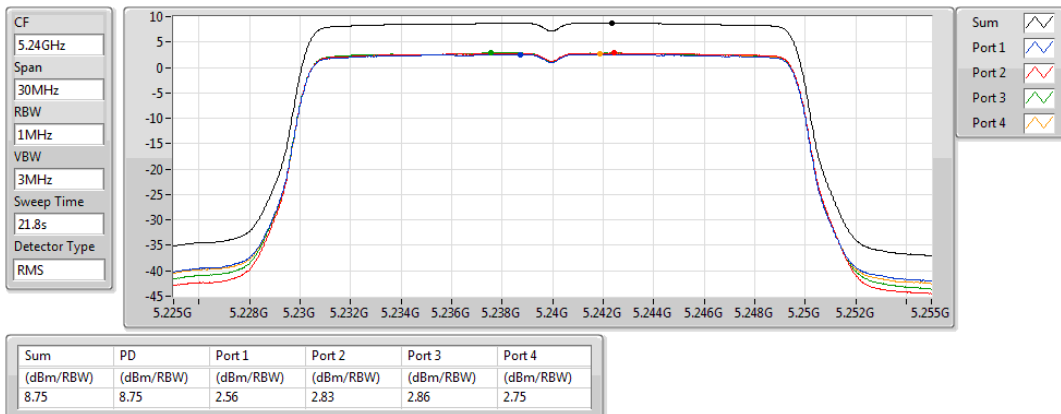


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

27/09/2019

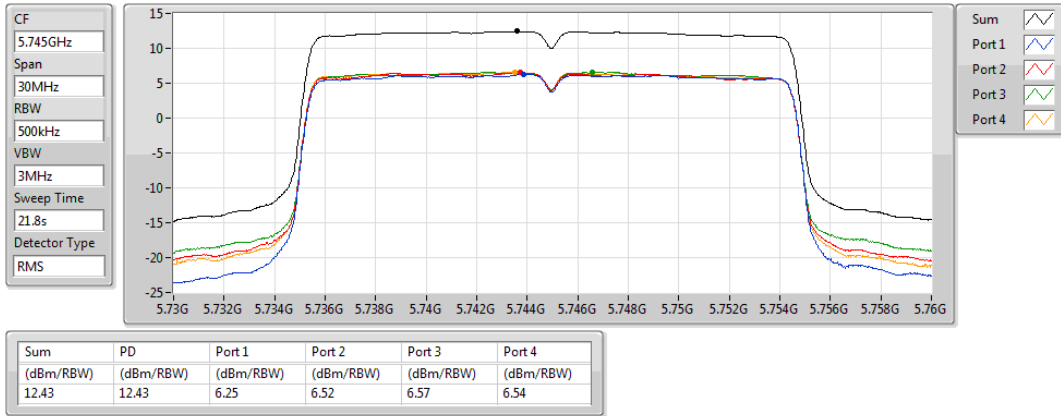


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

27/09/2019

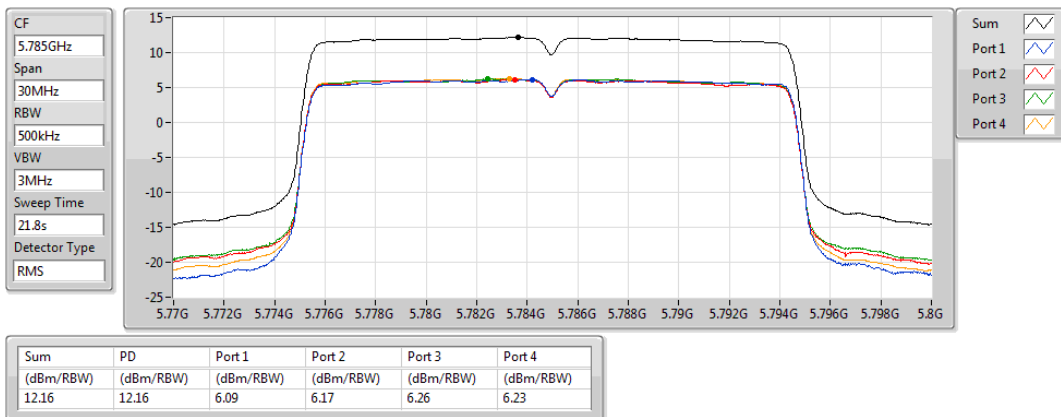


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

27/09/2019

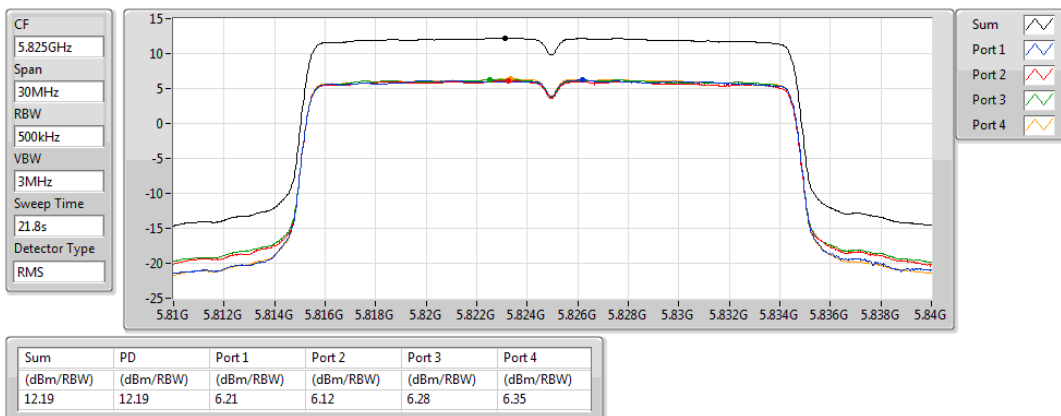


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

27/09/2019

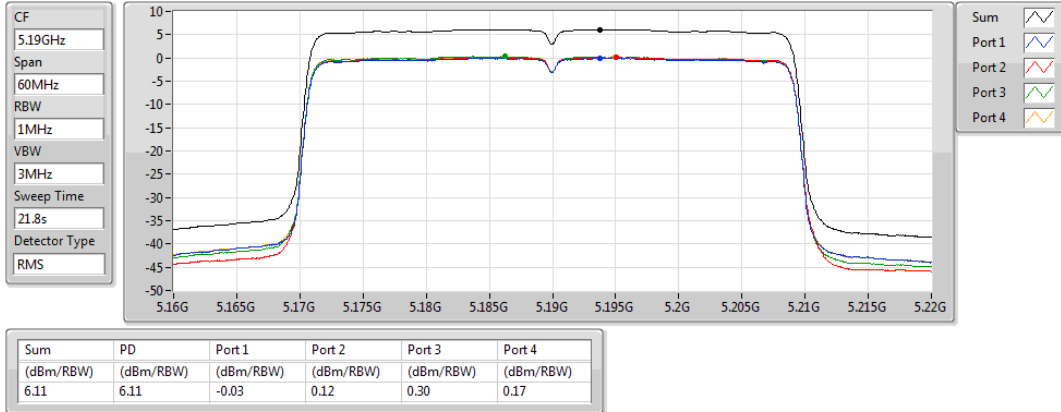


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

27/09/2019

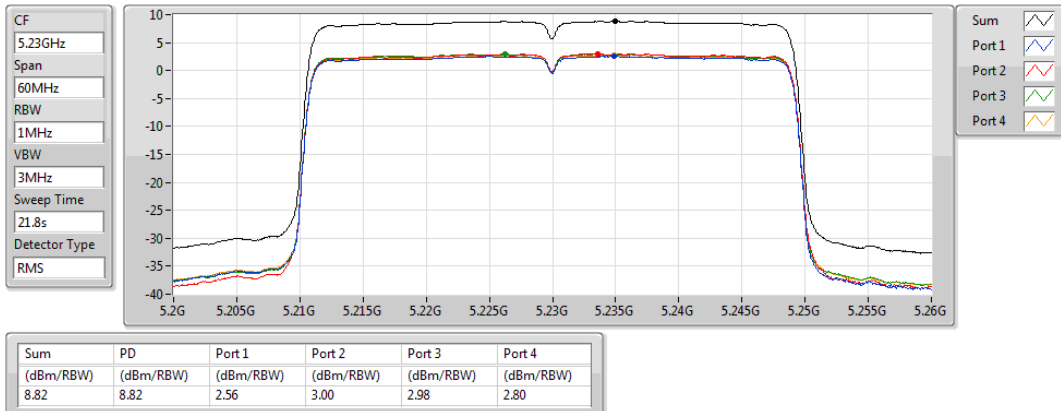


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

27/09/2019

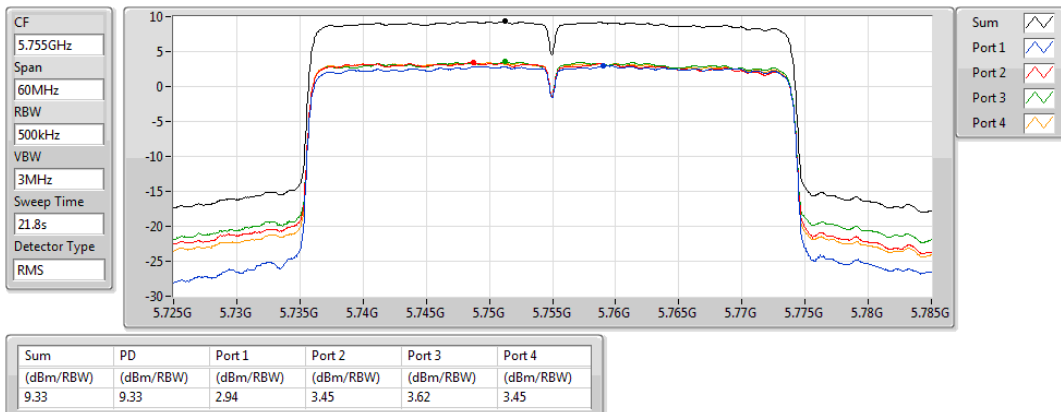


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

27/09/2019

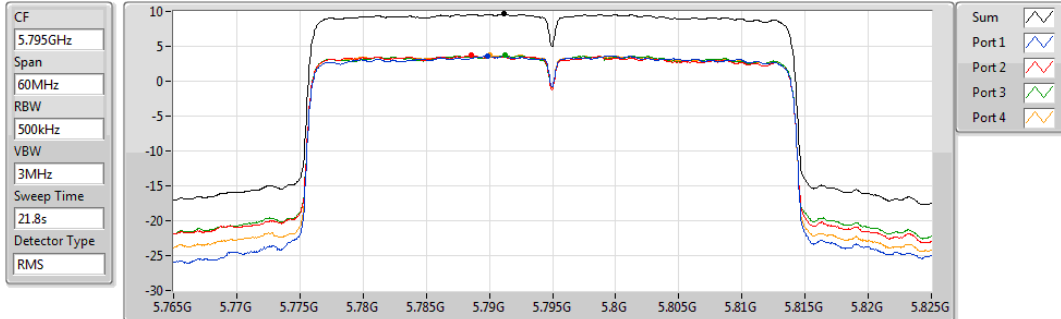


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

27/09/2019



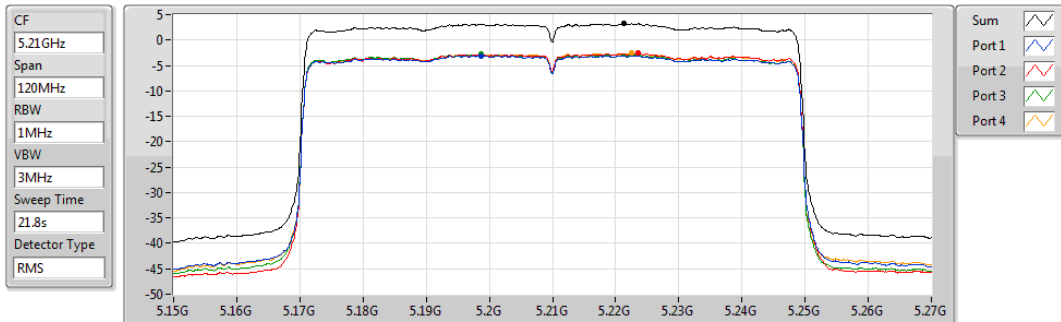
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.67	9.67	3.66	3.71	3.76	3.75

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

27/09/2019



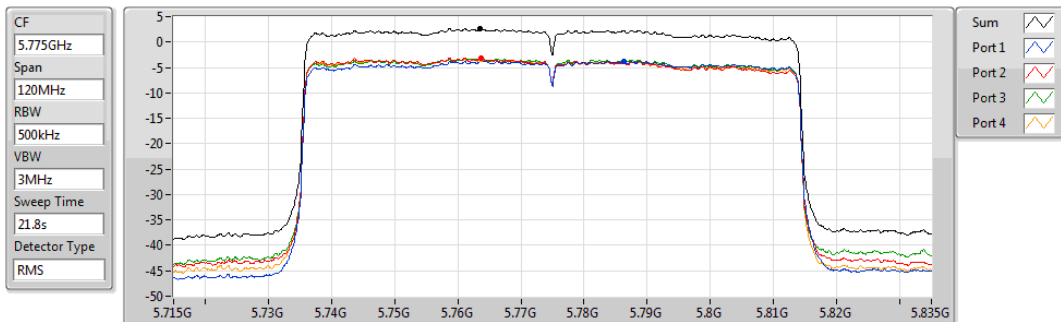
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.20	3.20	-3.06	-2.61	-2.81	-2.62

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

27/09/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.69	2.69	-3.73	-3.11	-3.17	-3.31



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	12.82	20.82
802.11ac VHT40_Nss4,(MCS0)_4TX	9.65	17.65
802.11ac VHT80_Nss4,(MCS0)_4TX	2.44	10.44
802.11ax HEW20_Nss4,(MCS0)_4TX	12.66	20.66
802.11ax HEW40_Nss4,(MCS0)_4TX	9.54	17.54
802.11ax HEW80_Nss4,(MCS0)_4TX	2.47	10.47
5.725-5.85GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	12.26	20.26
802.11ac VHT40_Nss4,(MCS0)_4TX	9.63	17.63
802.11ac VHT80_Nss4,(MCS0)_4TX	2.30	10.30
802.11ax HEW20_Nss4,(MCS0)_4TX	12.14	20.14
802.11ax HEW40_Nss4,(MCS0)_4TX	9.55	17.55
802.11ax HEW80_Nss4,(MCS0)_4TX	2.44	10.44

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



PSD

Non-Beamforming_outdoor_Sample 2_Radio 2_Omni_4T4S

Appendix D.10

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	4.77	4.96	5.03	4.89	10.86	15.00	18.86	23.00
5200MHz	Pass	8.00	6.71	6.82	6.83	6.77	12.73	15.00	20.73	23.00
5240MHz	Pass	8.00	6.78	7.00	6.92	6.80	12.82	15.00	20.82	23.00
5745MHz	Pass	8.00	6.07	6.33	6.45	6.45	12.26	28.00	20.26	36.00
5785MHz	Pass	8.00	5.99	6.13	6.06	6.12	11.96	28.00	19.96	36.00
5825MHz	Pass	8.00	6.06	6.00	6.08	6.19	12.01	28.00	20.01	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-1.55	-1.45	-1.37	-1.25	4.50	15.00	12.50	23.00
5230MHz	Pass	8.00	3.41	3.72	3.84	3.94	9.65	15.00	17.65	23.00
5755MHz	Pass	8.00	2.20	2.66	2.82	2.90	8.57	28.00	16.57	36.00
5795MHz	Pass	8.00	3.50	3.69	3.76	3.97	9.63	28.00	17.63	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-3.83	-3.33	-3.33	-3.39	2.44	15.00	10.44	23.00
5775MHz	Pass	8.00	-4.15	-3.59	-3.37	-3.52	2.30	28.00	10.30	36.00
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	4.69	5.06	4.96	4.90	10.91	15.00	18.91	23.00
5200MHz	Pass	8.00	6.54	6.85	6.70	6.62	12.65	15.00	20.65	23.00
5240MHz	Pass	8.00	6.58	6.83	6.69	6.63	12.66	15.00	20.66	23.00
5745MHz	Pass	8.00	5.84	6.14	6.26	6.32	12.14	28.00	20.14	36.00
5785MHz	Pass	8.00	5.71	5.77	5.95	5.98	11.84	28.00	19.84	36.00
5825MHz	Pass	8.00	5.81	5.78	6.03	6.12	11.94	28.00	19.94	36.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-1.58	-1.44	-1.22	-1.40	4.54	15.00	12.54	23.00
5230MHz	Pass	8.00	3.35	3.68	3.76	3.62	9.54	15.00	17.54	23.00
5755MHz	Pass	8.00	2.14	2.53	2.83	2.66	8.47	28.00	16.47	36.00
5795MHz	Pass	8.00	3.40	3.58	3.79	3.77	9.55	28.00	17.55	36.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-3.74	-3.47	-3.43	-3.45	2.47	15.00	10.47	23.00
5775MHz	Pass	8.00	-3.97	-3.31	-3.47	-3.54	2.44	28.00	10.44	36.00

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

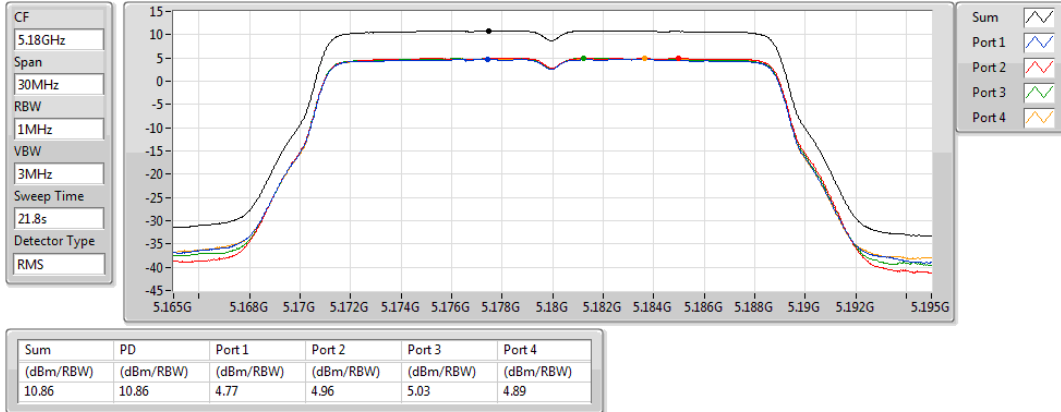
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5180MHz

27/09/2019

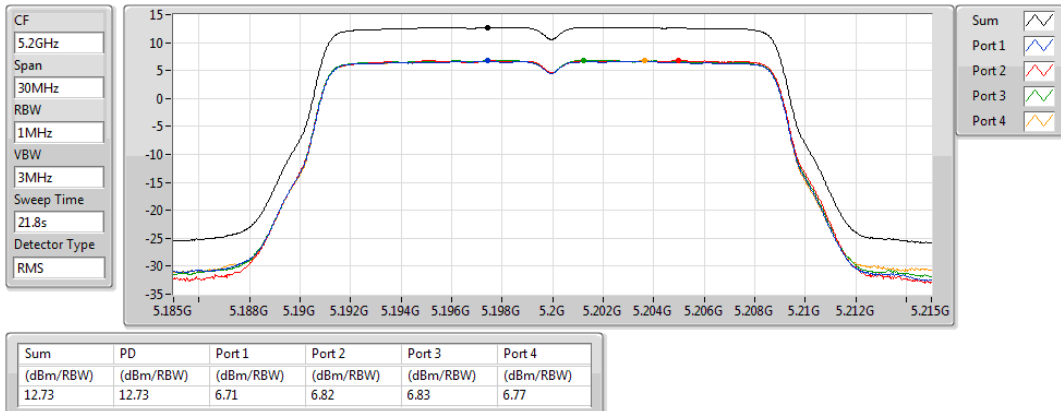


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5200MHz

27/09/2019

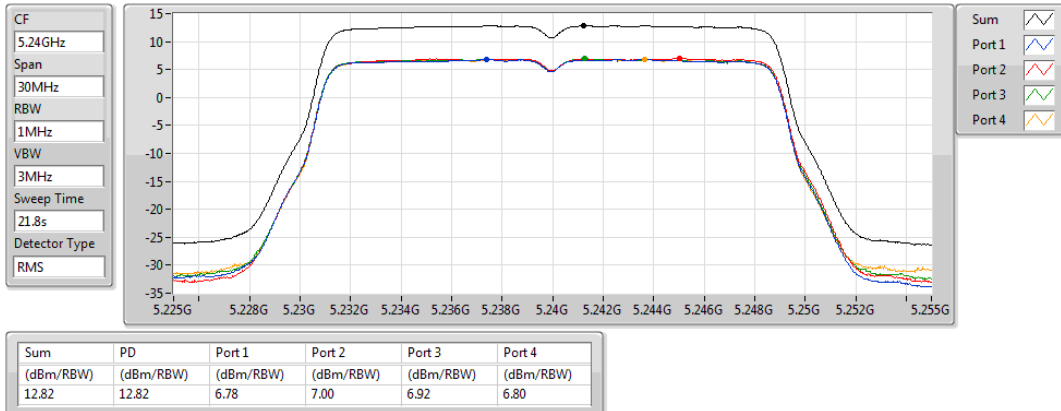


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5240MHz

27/09/2019

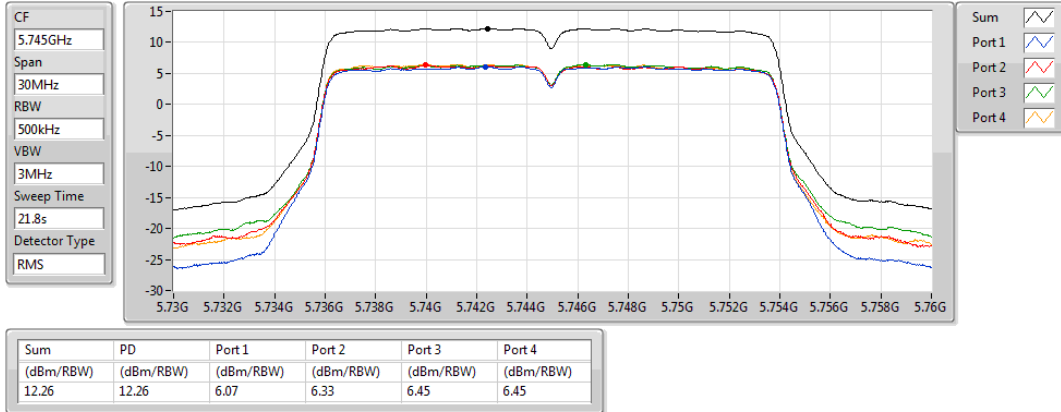


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5745MHz

27/09/2019

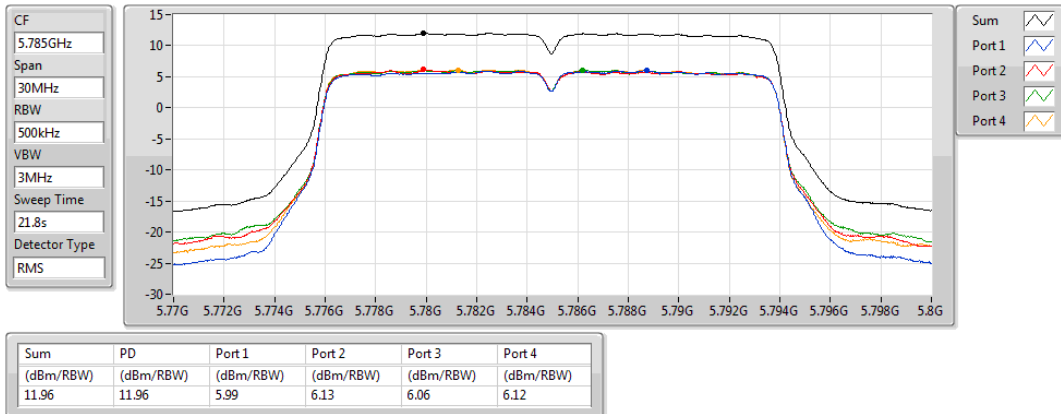


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5785MHz

27/09/2019

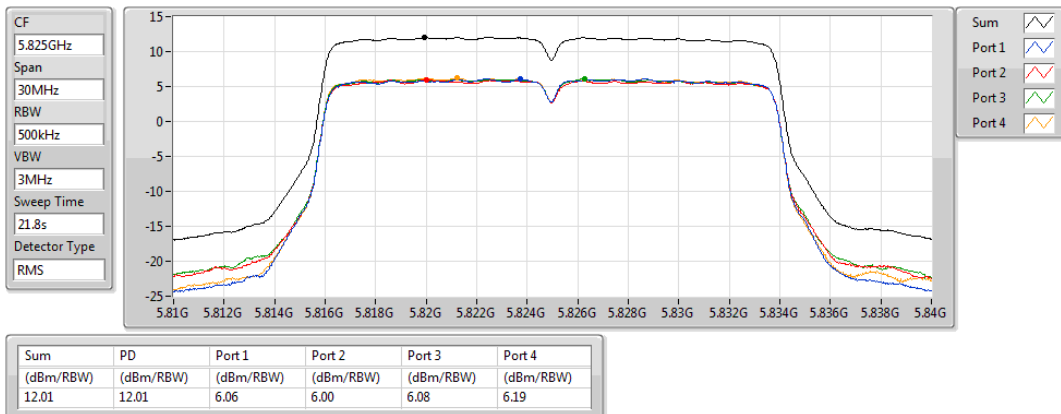


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5825MHz

27/09/2019

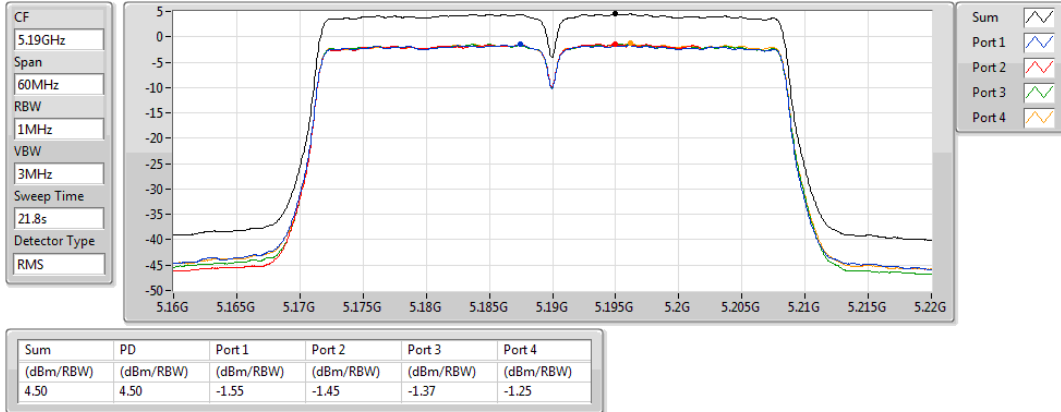


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5190MHz

27/09/2019

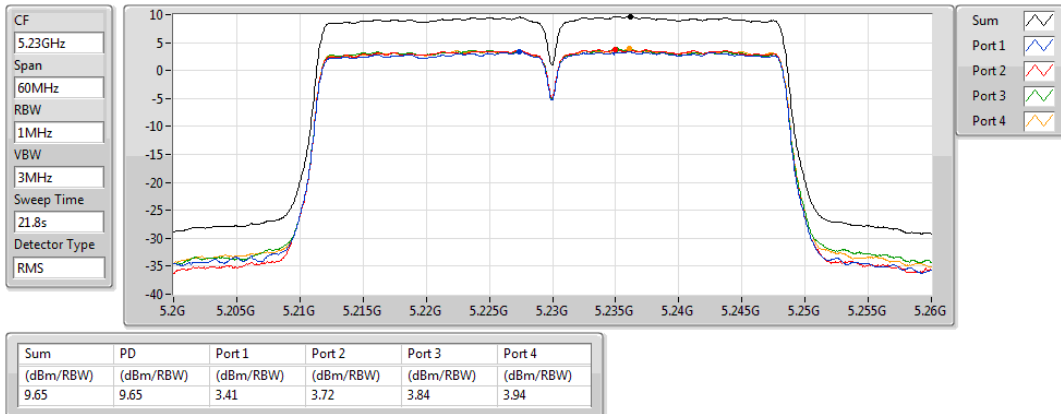


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5230MHz

27/09/2019

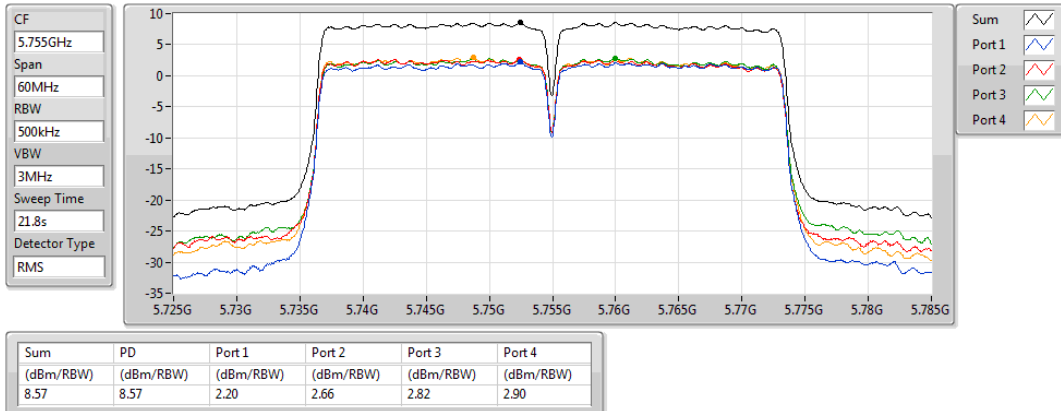


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5755MHz

27/09/2019

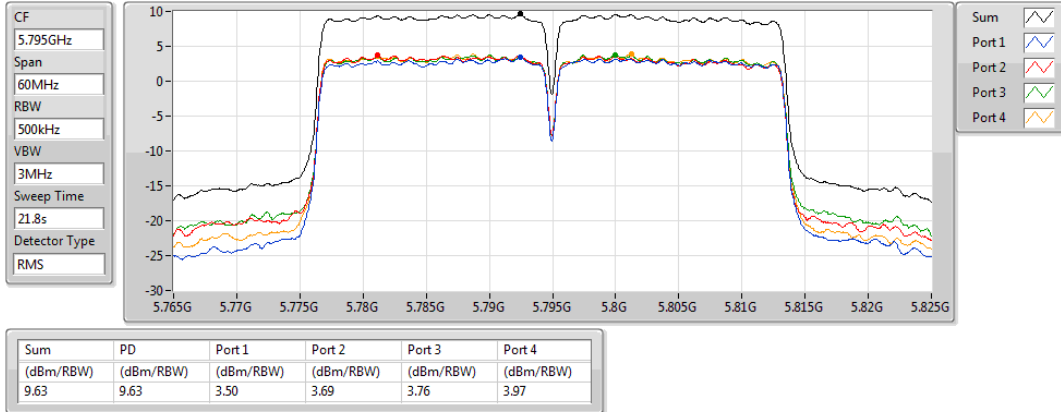


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5795MHz

27/09/2019

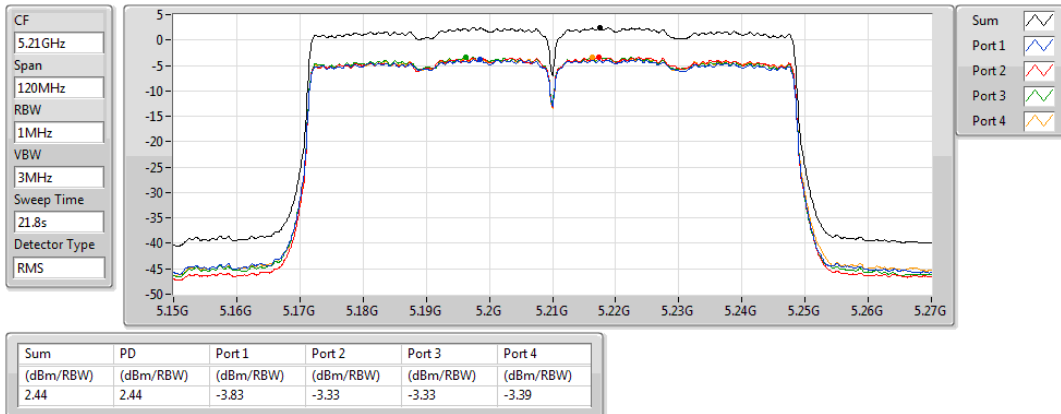


802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5210MHz

27/09/2019

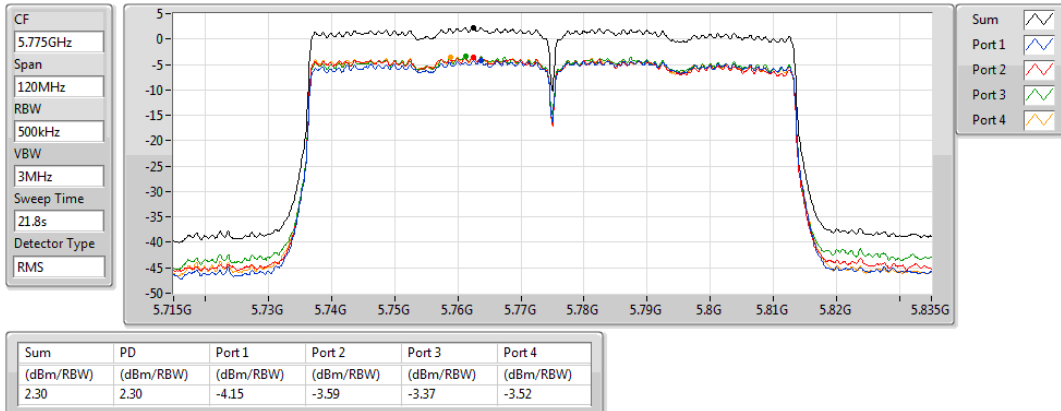


802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5775MHz

27/09/2019

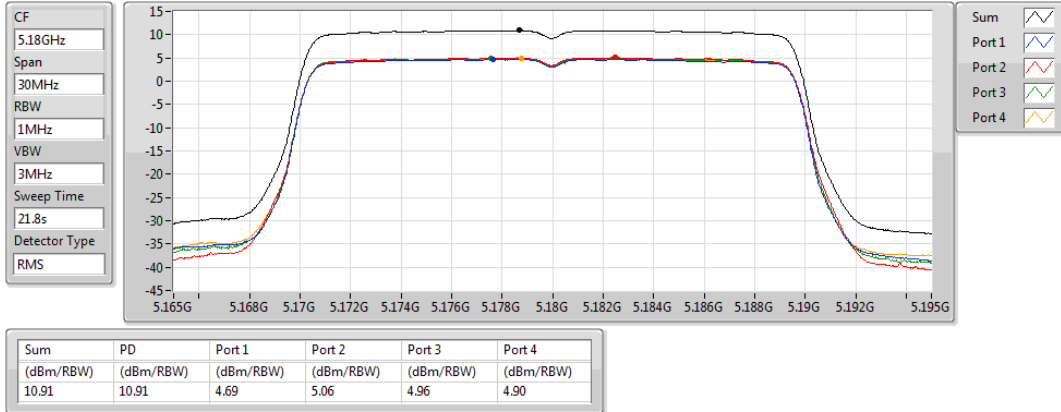


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

27/09/2019

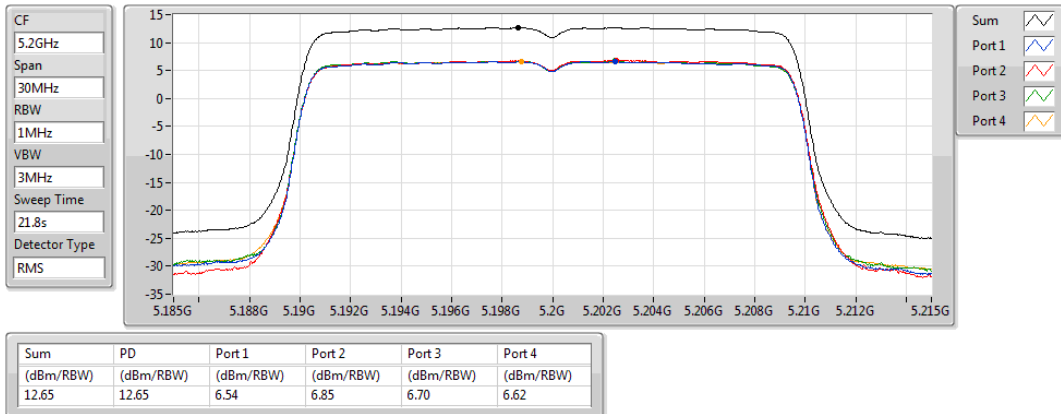


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

27/09/2019

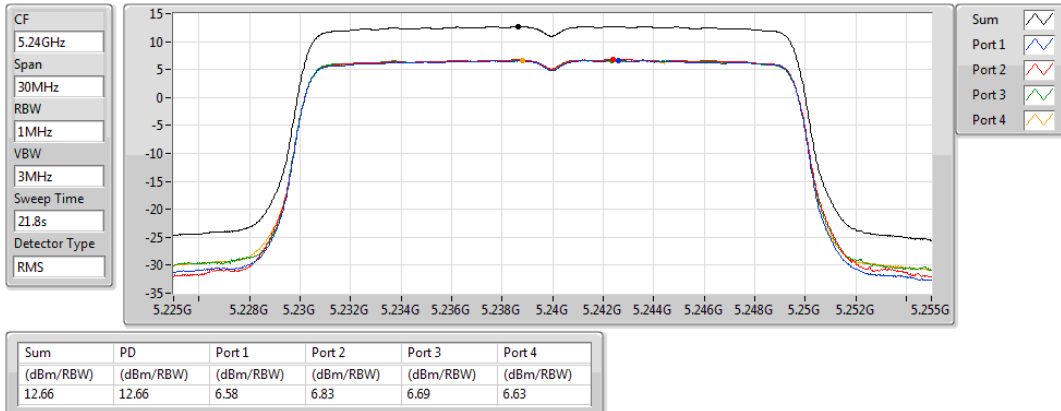


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

27/09/2019

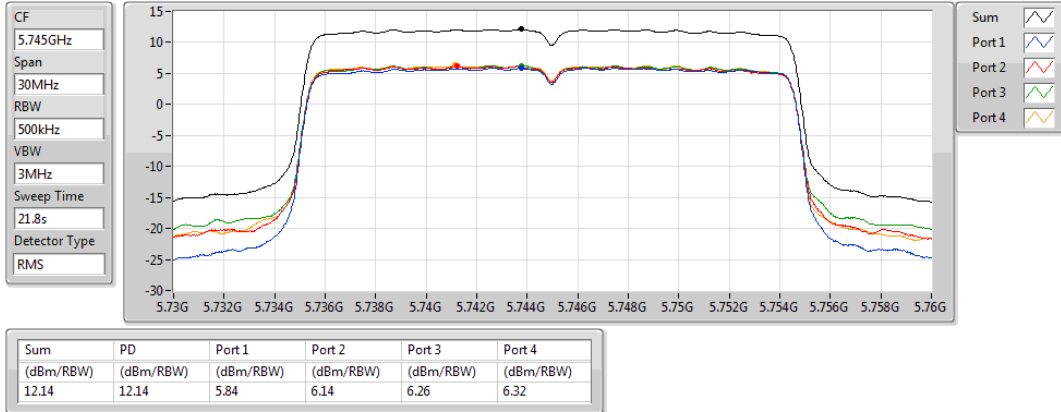


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

27/09/2019

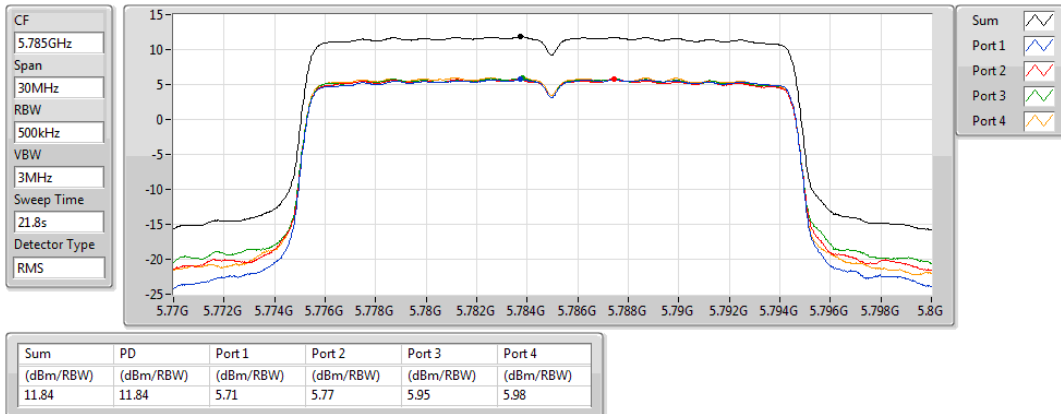


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

27/09/2019

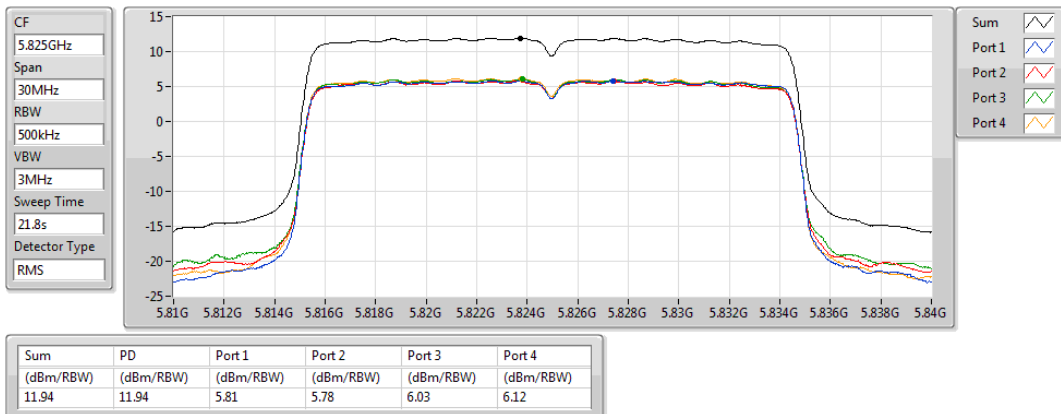


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

27/09/2019

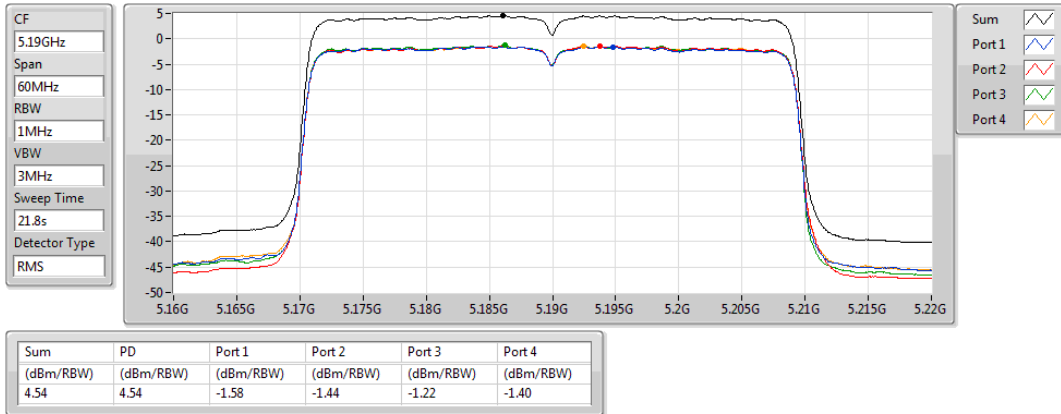


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

27/09/2019

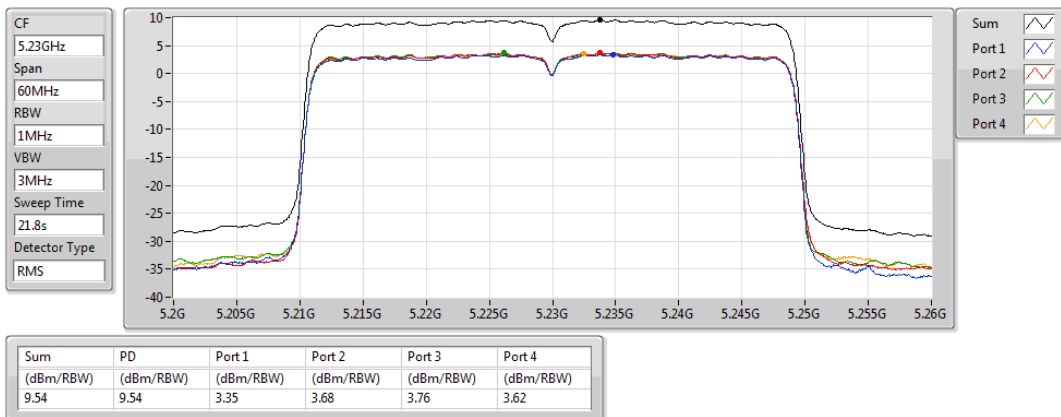


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

27/09/2019

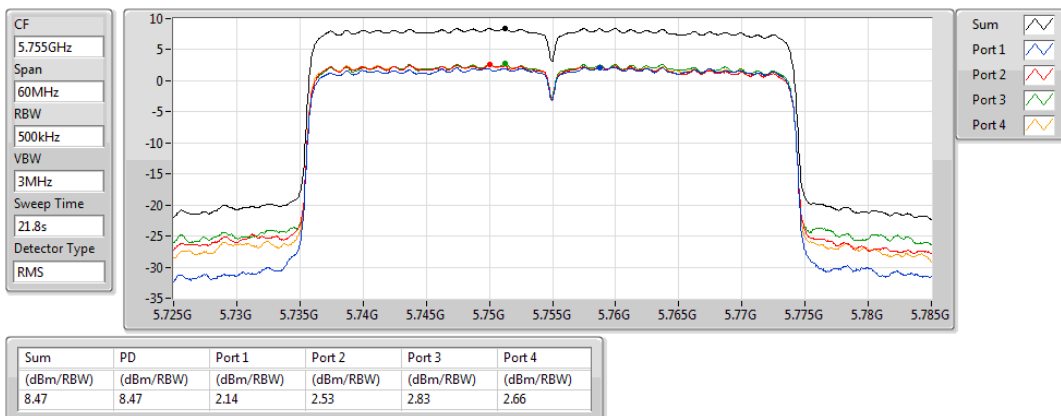


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

27/09/2019

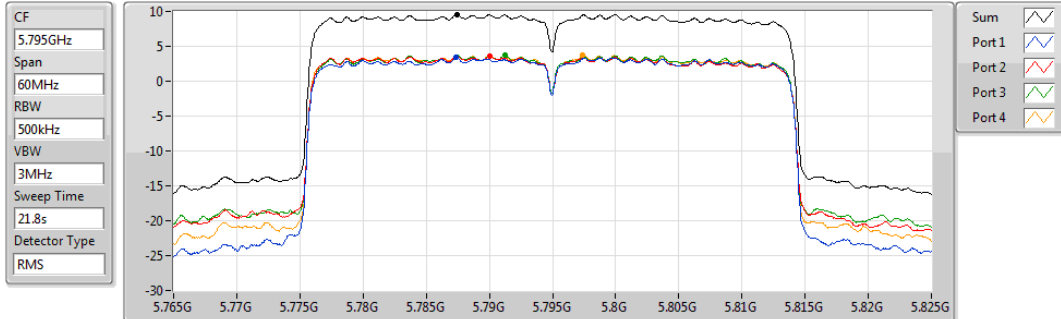


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

27/09/2019



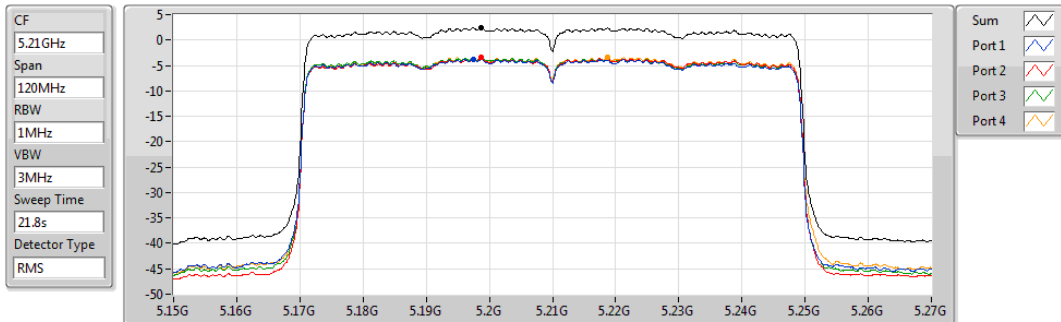
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.55	9.55	3.40	3.58	3.79	3.77

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

27/09/2019



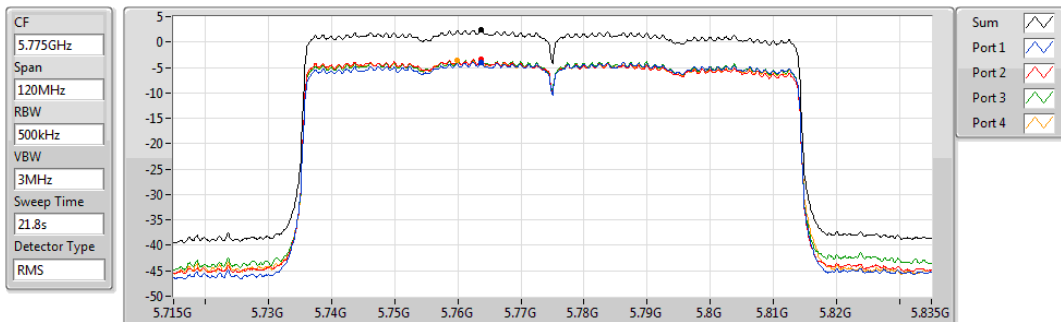
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.47	2.47	-3.74	-3.47	-3.43	-3.45

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

27/09/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.44	2.44	-3.97	-3.31	-3.47	-3.54



PSD_
Non-Beamforming_outdoor_Sample 2_Radio 2_Panel 1_1T1S Appendix D.11

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-0.99	9.71
802.11ac VHT20_Nss1,(MCS0)_1TX	-1.63	9.07
802.11ac VHT40_Nss1,(MCS0)_1TX	-4.46	6.24
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.28	3.42
802.11ax HEW20_Nss1,(MCS0)_1TX	-1.52	9.18
802.11ax HEW40_Nss1,(MCS0)_1TX	-4.31	6.39
802.11ax HEW80_Nss1,(MCS0)_1TX	-7.13	3.57
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.54	20.24
802.11ac VHT20_Nss1,(MCS0)_1TX	9.39	20.09
802.11ac VHT40_Nss1,(MCS0)_1TX	6.21	16.91
802.11ac VHT80_Nss1,(MCS0)_1TX	-1.77	8.93
802.11ax HEW20_Nss1,(MCS0)_1TX	8.91	19.61
802.11ax HEW40_Nss1,(MCS0)_1TX	6.48	17.18
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.45	9.25

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-0.99	-0.99	12.30	9.71	23.00
5200MHz	Pass	10.70	-1.00	-1.00	12.30	9.70	23.00
5240MHz	Pass	10.70	-1.06	-1.06	12.30	9.64	23.00
5745MHz	Pass	10.70	9.38	9.38	25.30	20.08	36.00
5785MHz	Pass	10.70	9.50	9.50	25.30	20.20	36.00
5825MHz	Pass	10.70	9.54	9.54	25.30	20.24	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-1.71	-1.71	12.30	8.99	23.00
5200MHz	Pass	10.70	-1.63	-1.63	12.30	9.07	23.00
5240MHz	Pass	10.70	-1.68	-1.68	12.30	9.02	23.00
5745MHz	Pass	10.70	9.33	9.33	25.30	20.03	36.00
5785MHz	Pass	10.70	9.39	9.39	25.30	20.09	36.00
5825MHz	Pass	10.70	9.39	9.39	25.30	20.09	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-4.58	-4.58	12.30	6.12	23.00
5230MHz	Pass	10.70	-4.46	-4.46	12.30	6.24	23.00
5755MHz	Pass	10.70	4.87	4.87	25.30	15.57	36.00
5795MHz	Pass	10.70	6.21	6.21	25.30	16.91	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-7.28	-7.28	12.30	3.42	23.00
5775MHz	Pass	10.70	-1.77	-1.77	25.30	8.93	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-1.56	-1.56	12.30	9.14	23.00
5200MHz	Pass	10.70	-1.67	-1.67	12.30	9.03	23.00
5240MHz	Pass	10.70	-1.52	-1.52	12.30	9.18	23.00
5745MHz	Pass	10.70	8.91	8.91	25.30	19.61	36.00
5785MHz	Pass	10.70	8.89	8.89	25.30	19.59	36.00
5825MHz	Pass	10.70	8.86	8.86	25.30	19.56	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-4.40	-4.40	12.30	6.30	23.00
5230MHz	Pass	10.70	-4.31	-4.31	12.30	6.39	23.00
5755MHz	Pass	10.70	5.27	5.27	25.30	15.97	36.00
5795MHz	Pass	10.70	6.48	6.48	25.30	17.18	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-7.13	-7.13	12.30	3.57	23.00
5775MHz	Pass	10.70	-1.45	-1.45	25.30	9.25	36.00

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

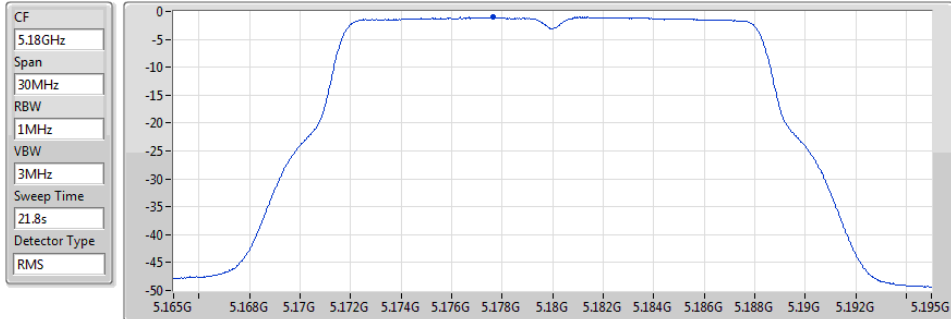
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

26/09/2019



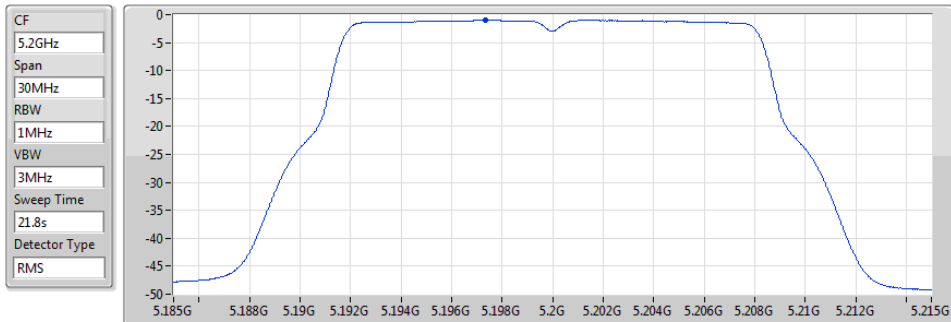
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.99	-0.99	-0.99

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

26/09/2019



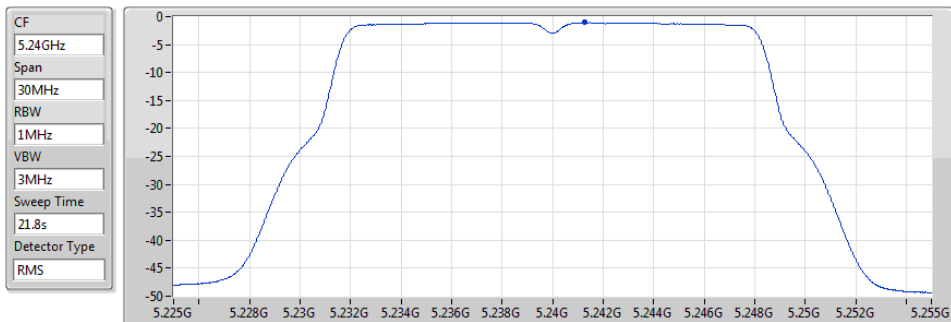
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.00	-1.00	-1.00

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

26/09/2019



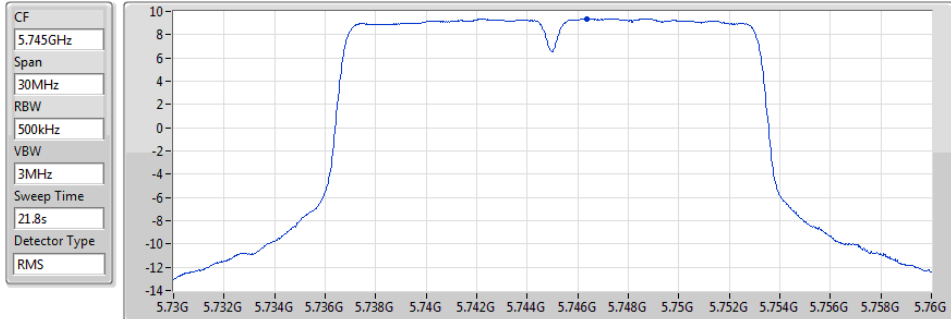
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.06	-1.06	-1.06

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

20/09/2019



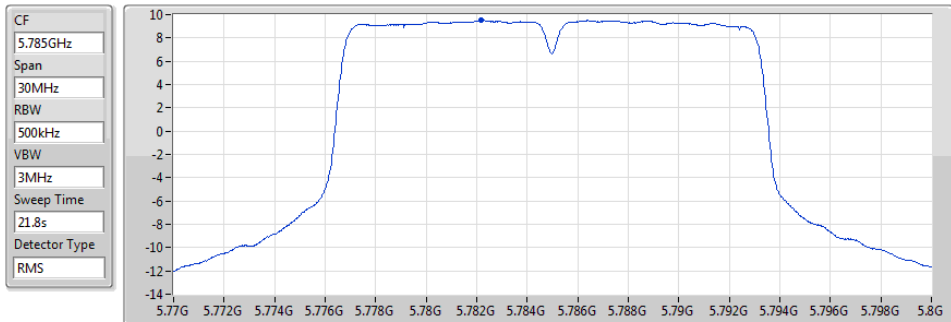
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.38	9.38	9.38

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

20/09/2019



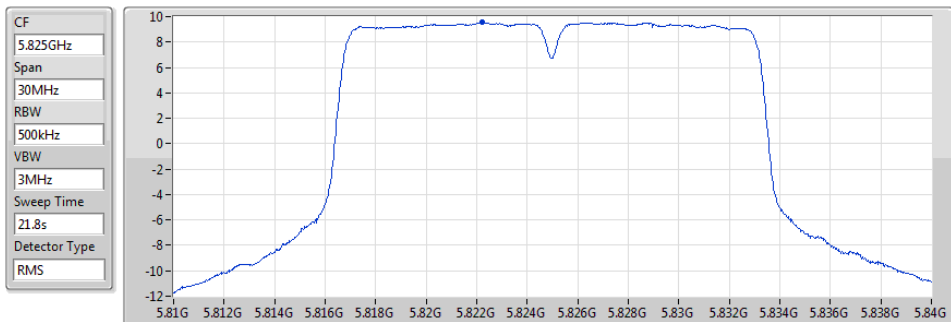
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.50	9.50	9.50

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

20/09/2019



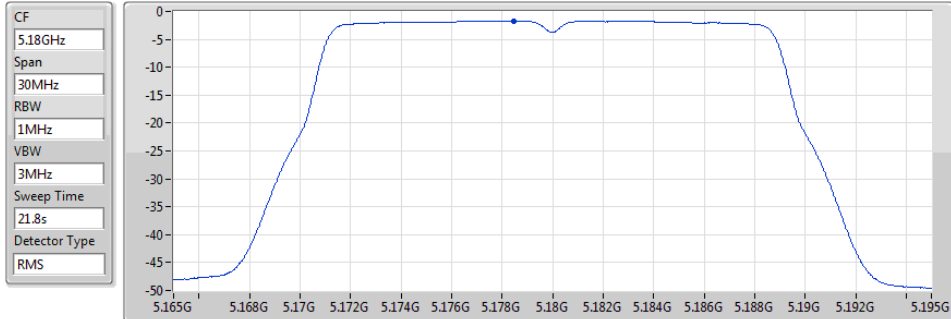
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.54	9.54	9.54

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

26/09/2019



Port 1

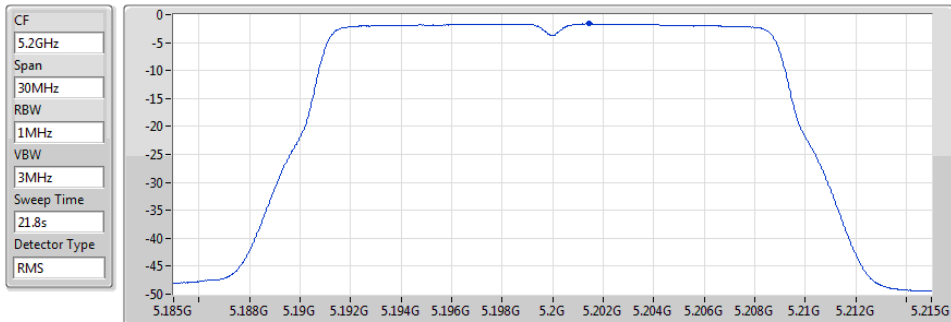
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.71	-1.71	-1.71

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

26/09/2019



Port 1

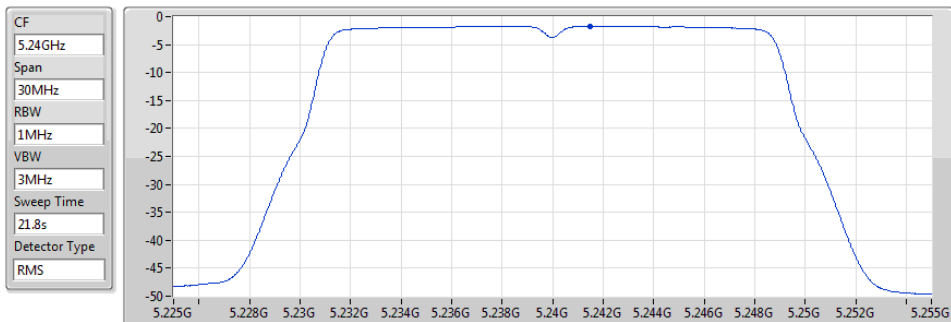
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.63	-1.63	-1.63

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

26/09/2019



Port 1

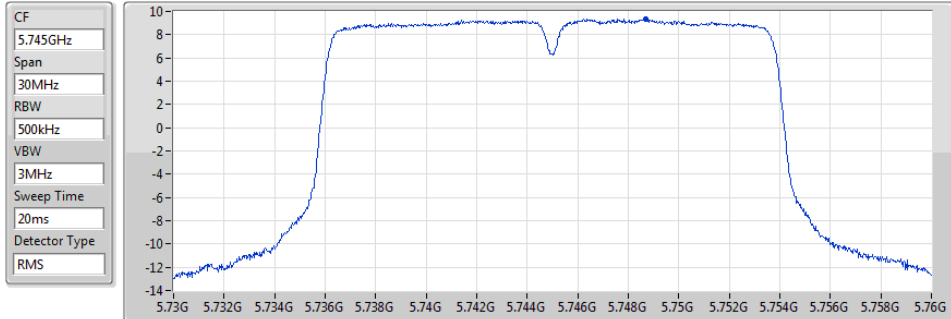
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.68	-1.68	-1.68

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

20/09/2019



Port 1

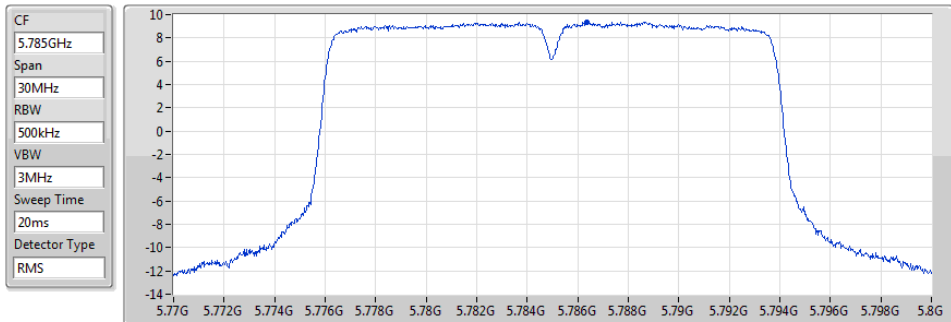
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.33	9.33	9.33

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

20/09/2019



Port 1

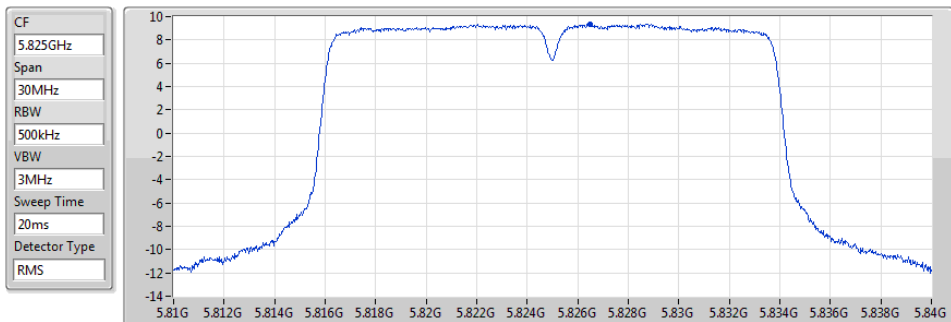
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.39	9.39	9.39

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

20/09/2019



Port 1

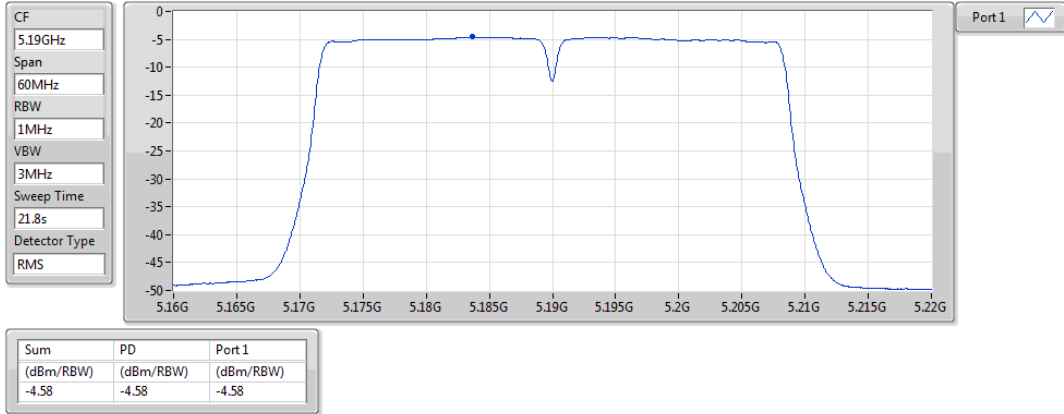
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.39	9.39	9.39

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

26/09/2019

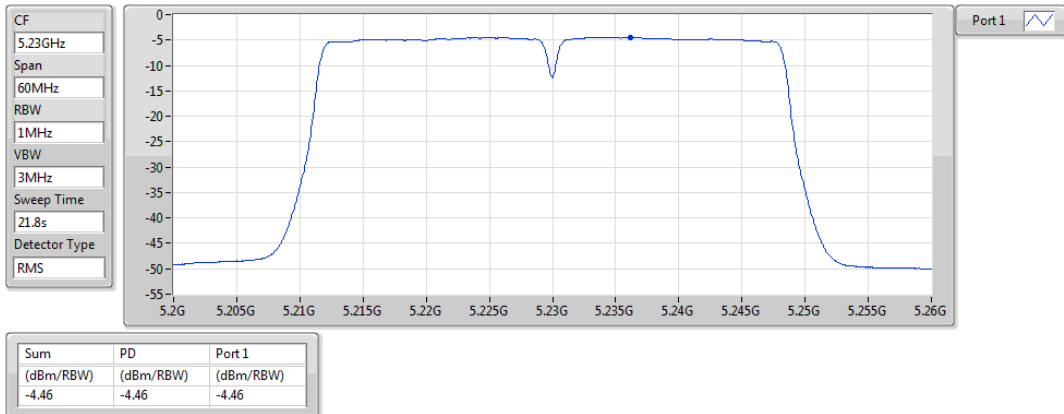


802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

26/09/2019

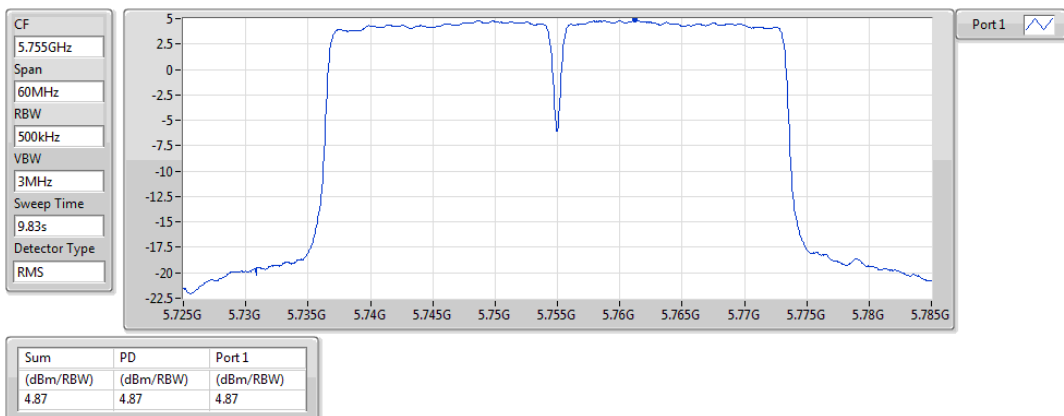


802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

20/09/2019

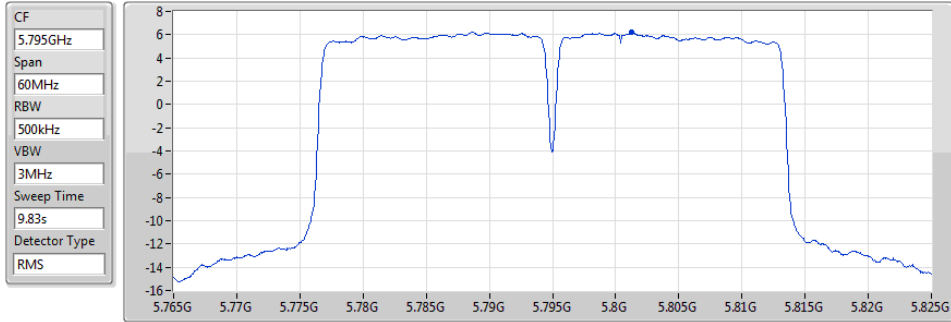


802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

20/09/2019



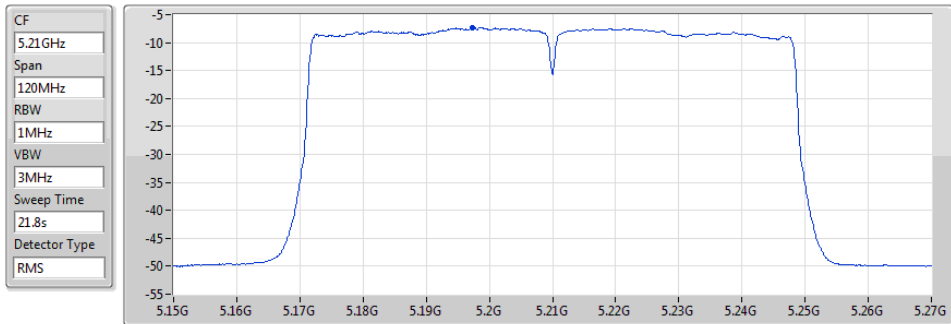
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.21	6.21	6.21

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

26/09/2019



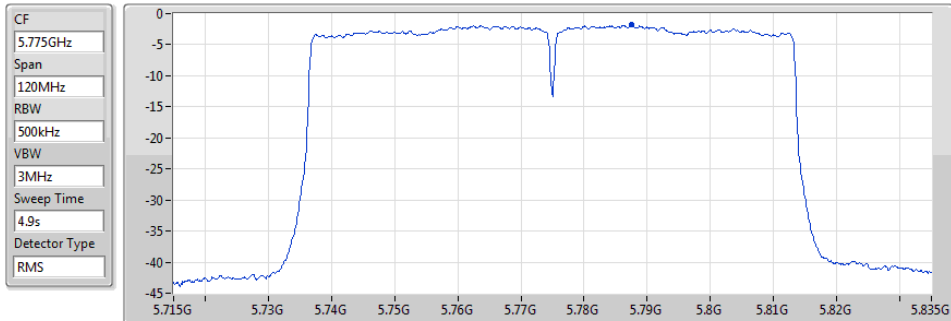
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.28	-7.28	-7.28

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

20/09/2019



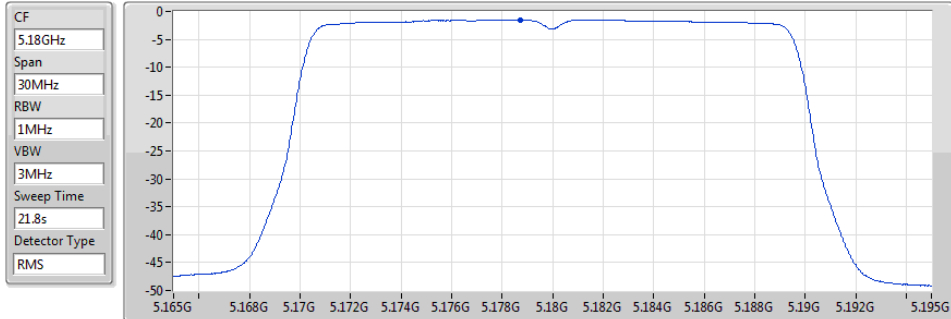
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.77	-1.77	-1.77

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

26/09/2019



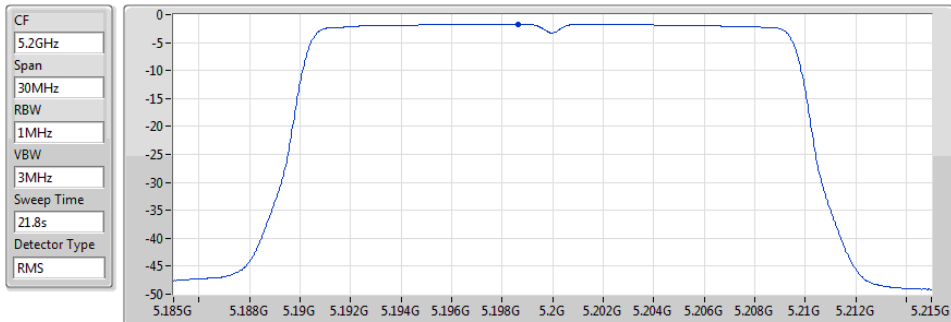
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.56	-1.56	-1.56

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

26/09/2019



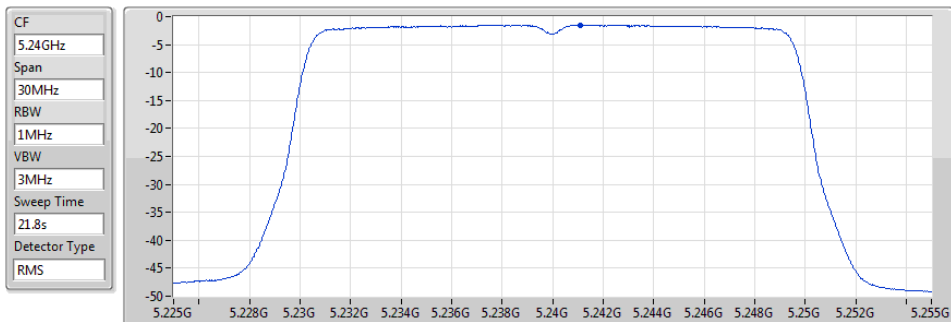
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.67	-1.67	-1.67

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

26/09/2019



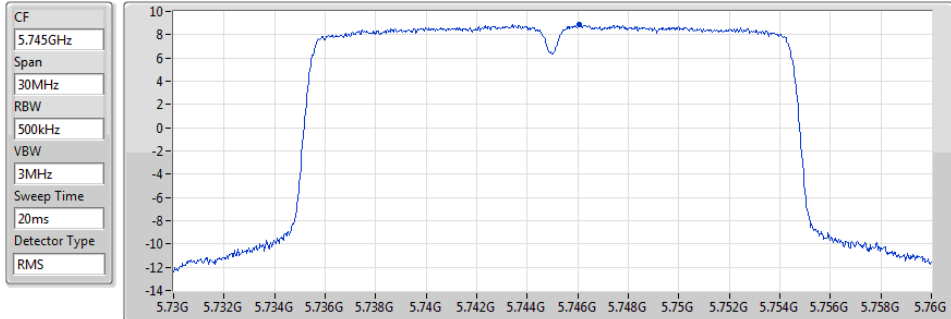
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.52	-1.52	-1.52

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

20/09/2019



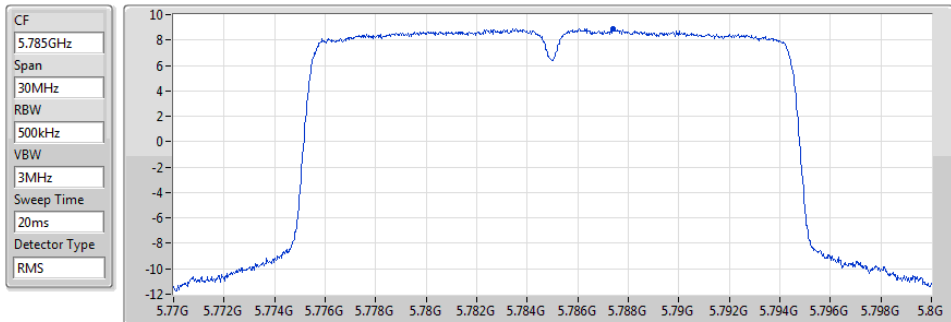
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.91	8.91	8.91

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

20/09/2019



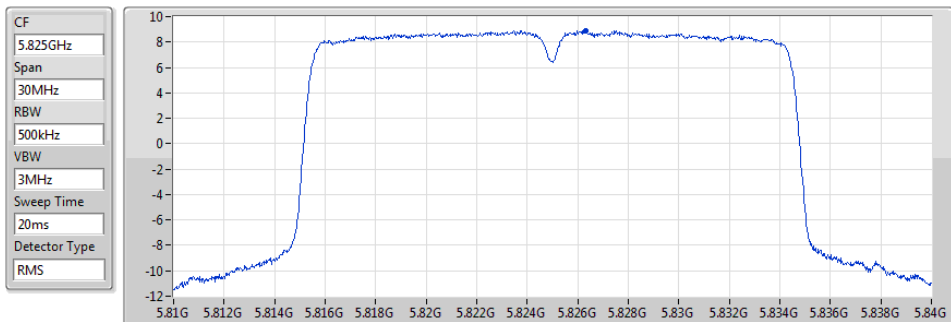
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.89	8.89	8.89

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

20/09/2019



Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.86	8.86	8.86

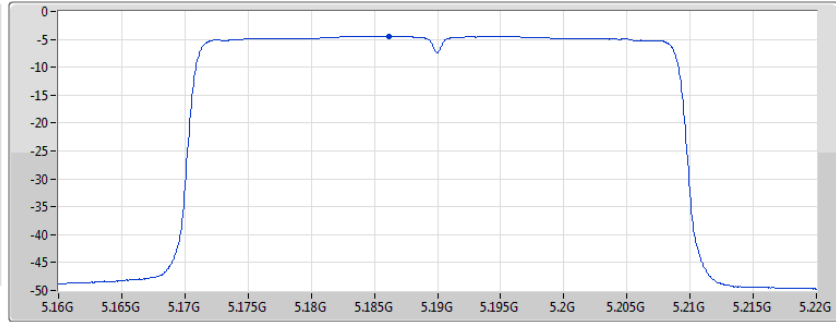
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

26/09/2019

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.40	-4.40	-4.40

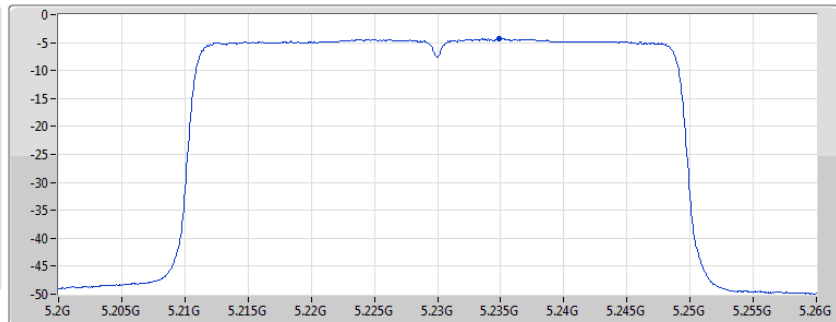
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

26/09/2019

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.31	-4.31	-4.31

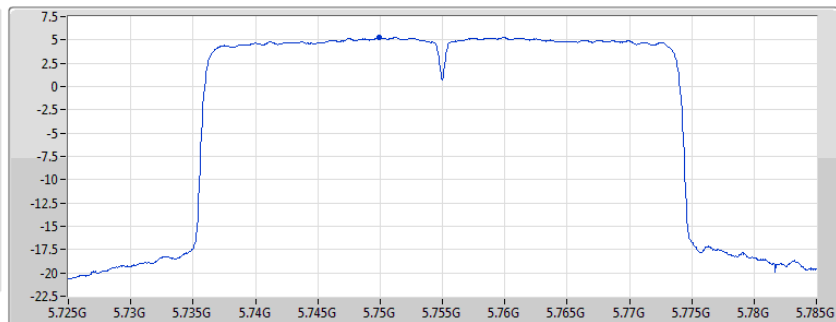
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

20/09/2019

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
8.04s
Detector Type
RMS



Port 1

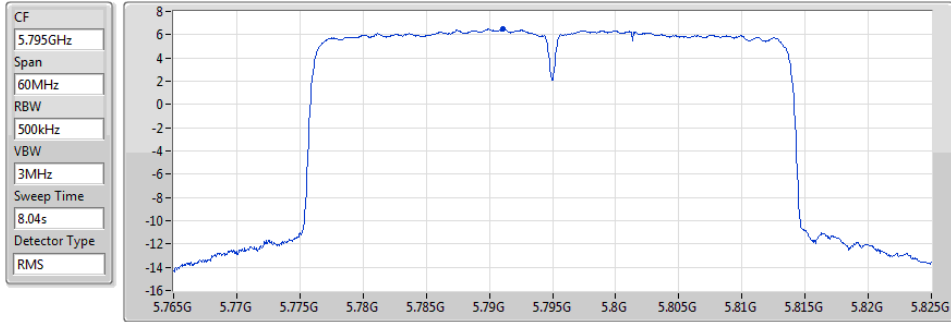
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.27	5.27	5.27

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

20/09/2019



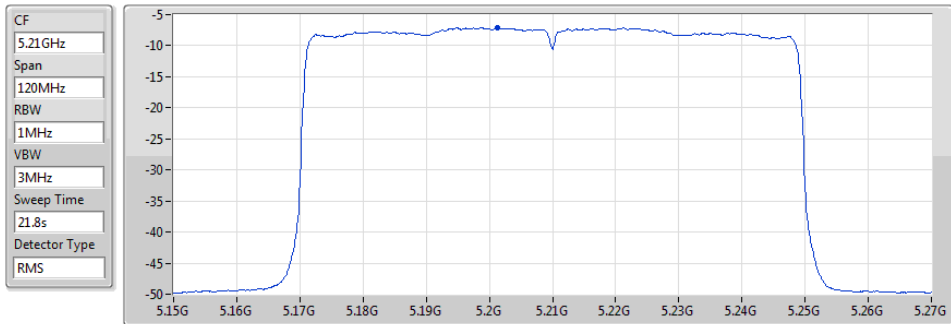
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.48	6.48	6.48

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

26/09/2019



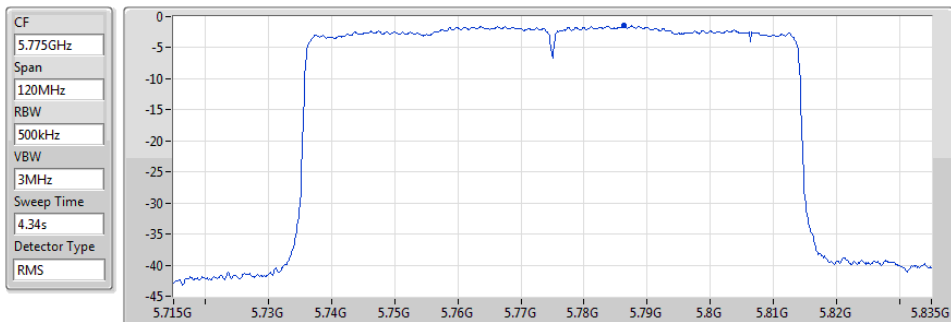
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.13	-7.13	-7.13

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

20/09/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.45	-1.45	-1.45



PSD_
Non-Beamforming_outdoor_Sample 2_Radio 2_Panel 1_2T2S Appendix D.12

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-0.95	12.76
802.11ac VHT20_Nss2,(MCS0)_2TX	-1.47	9.23
802.11ac VHT40_Nss2,(MCS0)_2TX	-4.40	6.30
802.11ac VHT80_Nss2,(MCS0)_2TX	-7.51	3.19
802.11ax HEW20_Nss2,(MCS0)_2TX	-1.64	9.06
802.11ax HEW40_Nss2,(MCS0)_2TX	-4.33	6.37
802.11ax HEW80_Nss2,(MCS0)_2TX	-7.36	3.34
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.91	35.62
802.11ac VHT20_Nss2,(MCS0)_2TX	23.57	34.27
802.11ac VHT40_Nss2,(MCS0)_2TX	20.67	31.37
802.11ac VHT80_Nss2,(MCS0)_2TX	15.52	26.22
802.11ax HEW20_Nss2,(MCS0)_2TX	23.34	34.04
802.11ax HEW40_Nss2,(MCS0)_2TX	20.70	31.40
802.11ax HEW80_Nss2,(MCS0)_2TX	15.62	26.32

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.71	-4.54	-3.75	-1.12	9.29	12.59	23.00
5200MHz	Pass	13.71	-4.30	-3.78	-1.08	9.29	12.63	23.00
5240MHz	Pass	13.71	-3.97	-3.71	-0.95	9.29	12.76	23.00
5745MHz	Pass	13.71	18.71	19.11	21.89	22.29	35.60	36.00
5785MHz	Pass	13.71	18.77	19.24	21.91	22.29	35.62	36.00
5825MHz	Pass	13.71	18.58	18.87	21.69	22.29	35.40	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-4.77	-4.08	-1.47	12.30	9.23	23.00
5200MHz	Pass	10.70	-4.94	-4.15	-1.58	12.30	9.12	23.00
5240MHz	Pass	10.70	-5.21	-4.32	-1.79	12.30	8.91	23.00
5745MHz	Pass	10.70	20.26	20.95	23.57	25.30	34.27	36.00
5785MHz	Pass	10.70	20.20	20.66	23.39	25.30	34.09	36.00
5825MHz	Pass	10.70	20.30	20.87	23.54	25.30	34.24	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-7.81	-7.16	-4.47	12.30	6.23	23.00
5230MHz	Pass	10.70	-7.66	-7.04	-4.40	12.30	6.30	23.00
5755MHz	Pass	10.70	17.26	18.08	20.59	25.30	31.29	36.00
5795MHz	Pass	10.70	17.37	18.08	20.67	25.30	31.37	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-10.80	-10.13	-7.51	12.30	3.19	23.00
5775MHz	Pass	10.70	12.13	12.92	15.52	25.30	26.22	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-5.14	-4.40	-1.75	12.30	8.95	23.00
5200MHz	Pass	10.70	-4.94	-4.33	-1.64	12.30	9.06	23.00
5240MHz	Pass	10.70	-5.19	-4.41	-1.80	12.30	8.90	23.00
5745MHz	Pass	10.70	20.06	20.59	23.34	25.30	34.04	36.00
5785MHz	Pass	10.70	19.93	20.50	23.23	25.30	33.93	36.00
5825MHz	Pass	10.70	20.16	20.48	23.33	25.30	34.03	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-7.78	-7.07	-4.44	12.30	6.26	23.00
5230MHz	Pass	10.70	-7.74	-6.94	-4.33	12.30	6.37	23.00
5755MHz	Pass	10.70	17.03	18.12	20.58	25.30	31.28	36.00
5795MHz	Pass	10.70	17.29	18.12	20.70	25.30	31.40	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-10.54	-10.09	-7.36	12.30	3.34	23.00
5775MHz	Pass	10.70	12.26	13.03	15.62	25.30	26.32	36.00

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

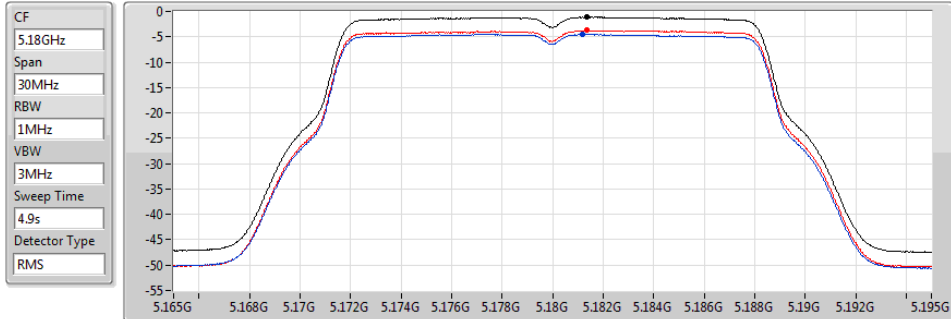
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

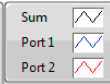
PSD

5180MHz

26/09/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.12	-1.12	-4.54	-3.75

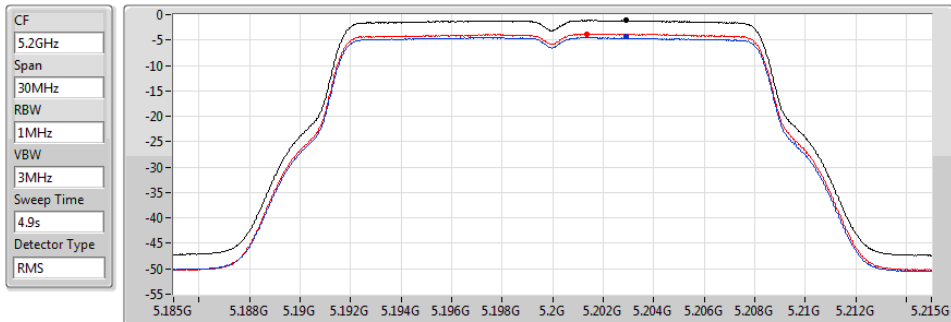


802.11a_Nss1,(6Mbps)_2TX

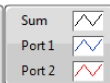
PSD

5200MHz

26/09/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.08	-1.08	-4.30	-3.78

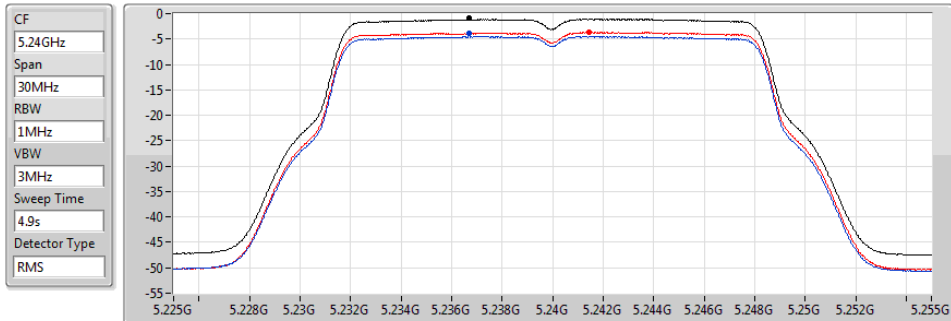


802.11a_Nss1,(6Mbps)_2TX

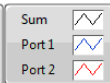
PSD

5240MHz

26/09/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.95	-0.95	-3.97	-3.71

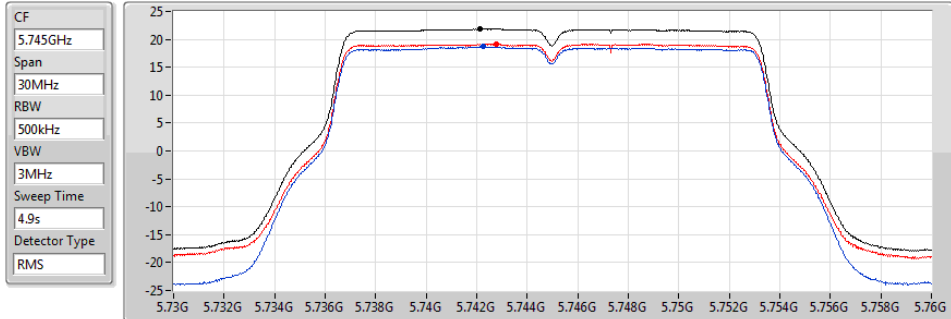


802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

24/09/2019



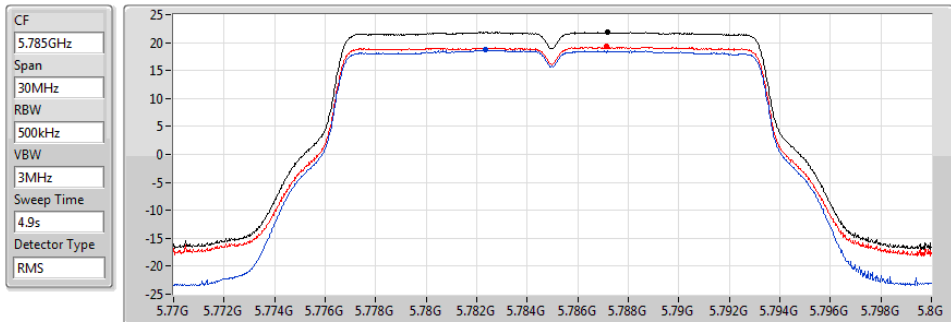
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
21.89	21.89	18.71	19.11

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

24/09/2019



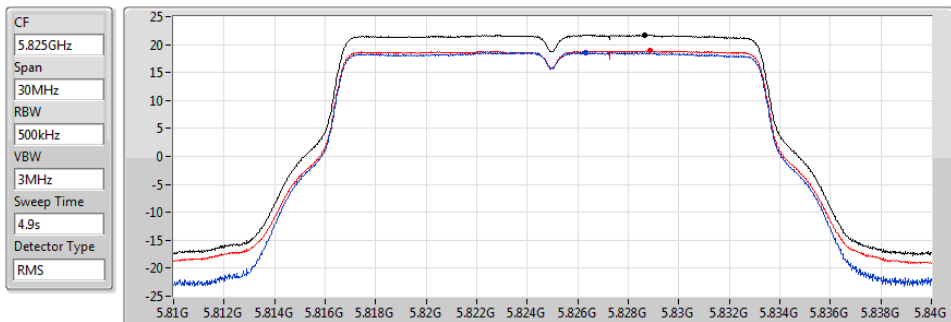
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
21.91	21.91	18.77	19.24

802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

24/09/2019



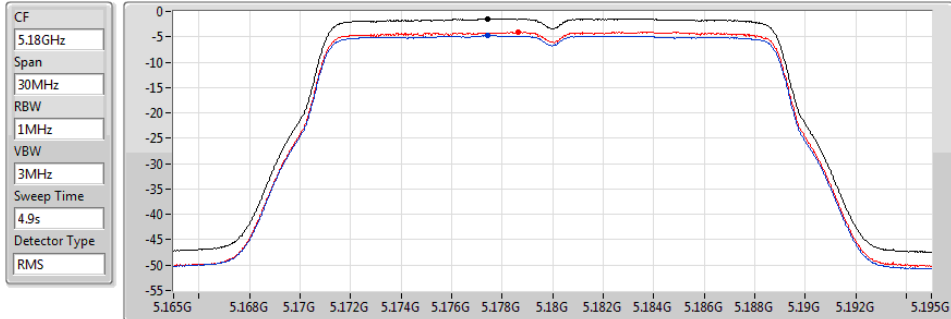
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
21.69	21.69	18.58	18.87

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5180MHz

26/09/2019



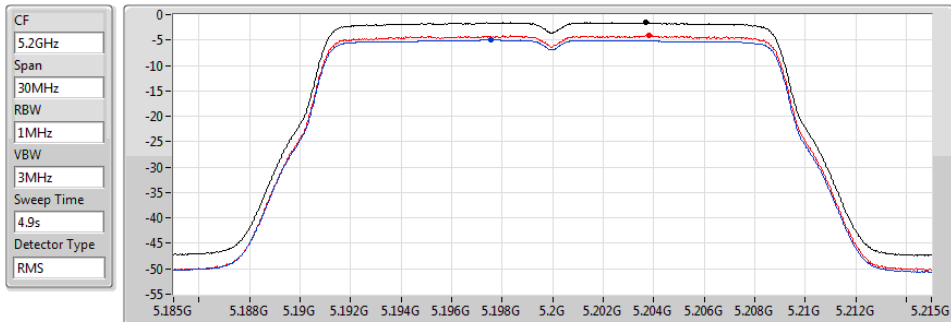
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.47	-1.47	-4.77	-4.08

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5200MHz

26/09/2019



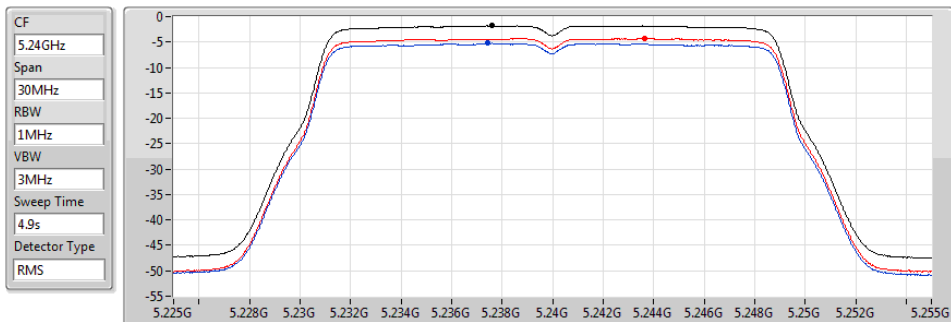
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.58	-1.58	-4.94	-4.15

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

26/09/2019



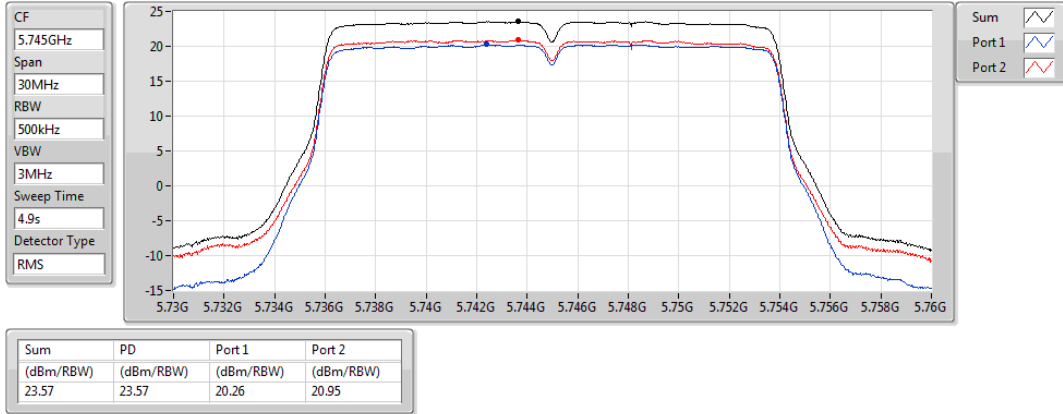
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.79	-1.79	-5.21	-4.32

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

24/09/2019

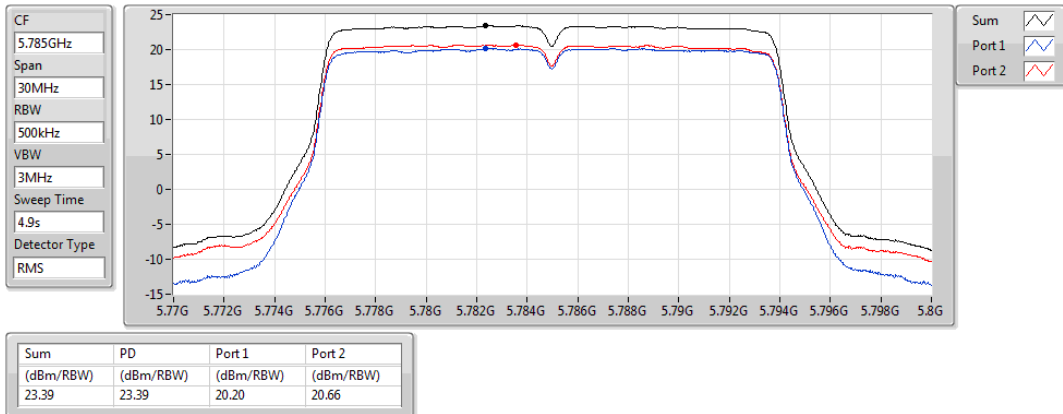


802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

24/09/2019

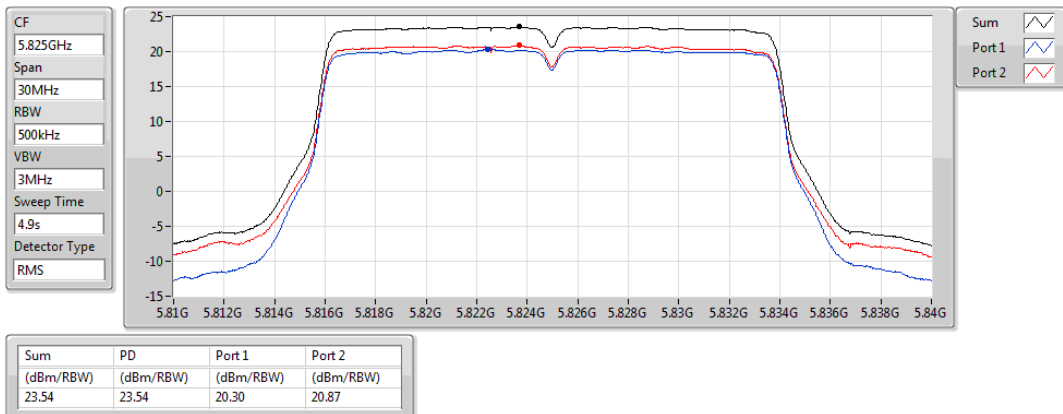


802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5825MHz

24/09/2019

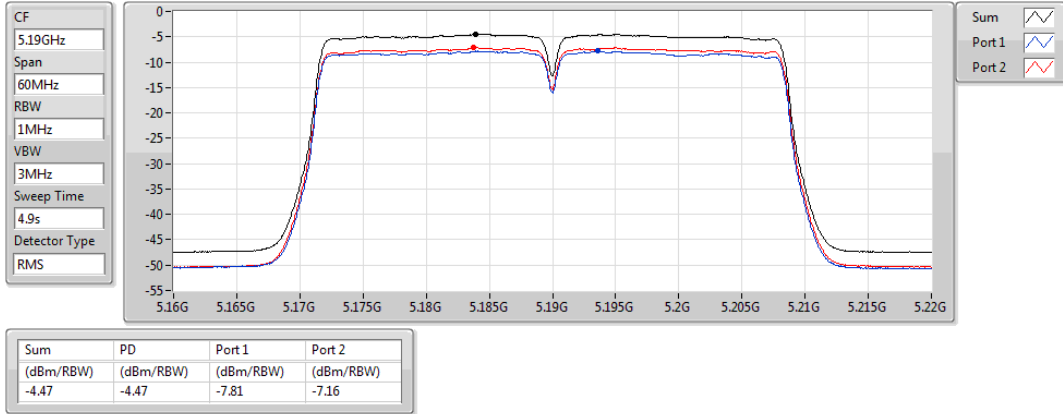


802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5190MHz

26/09/2019

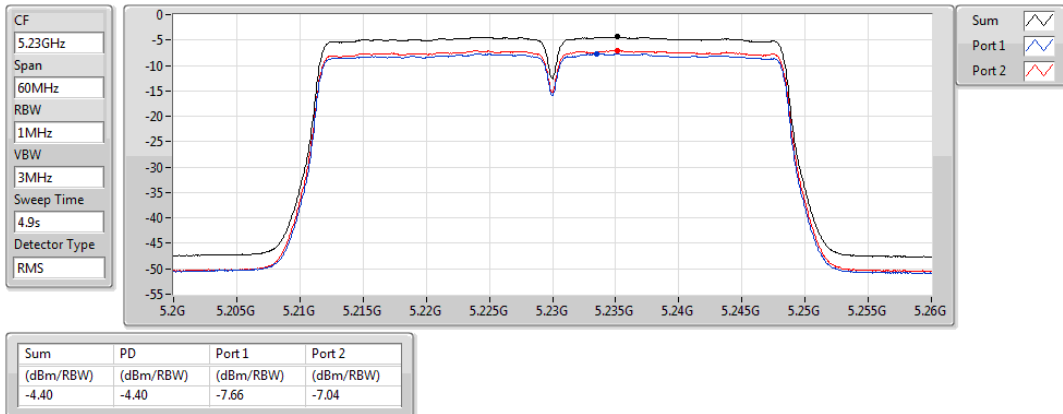


802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

26/09/2019

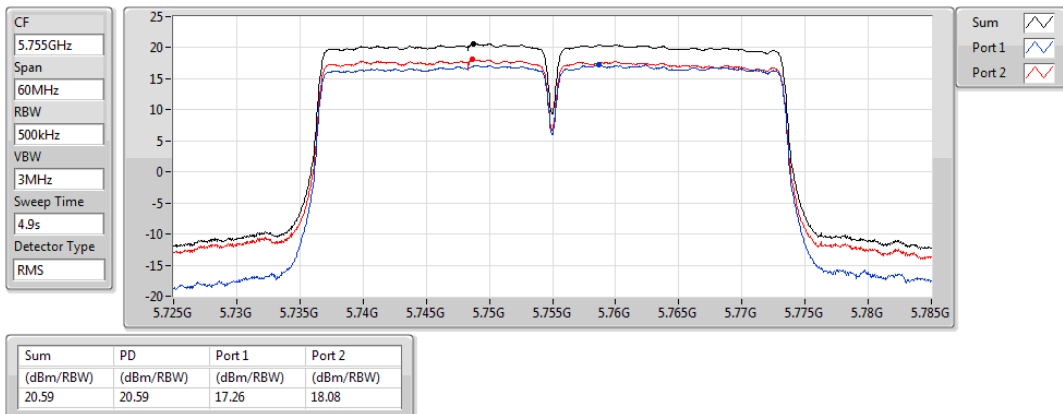


802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

24/09/2019

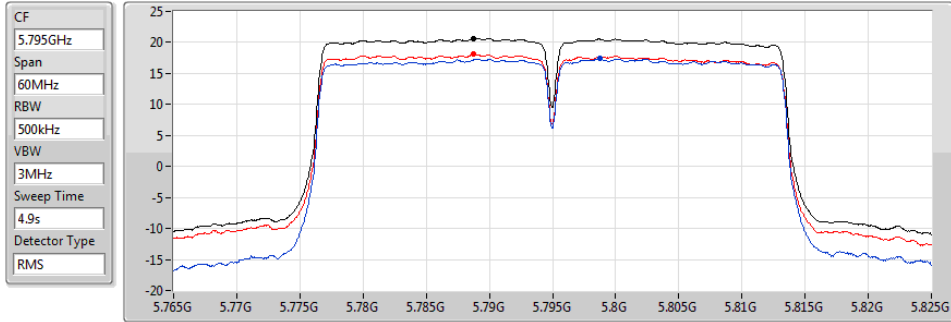


802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

24/09/2019



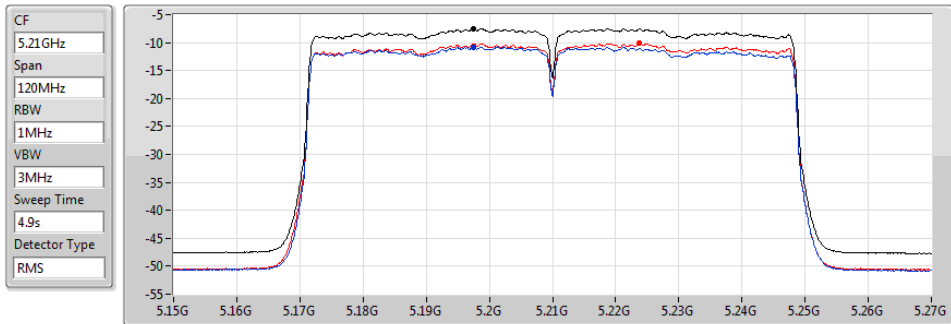
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
20.67	20.67	17.37	18.08

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

26/09/2019



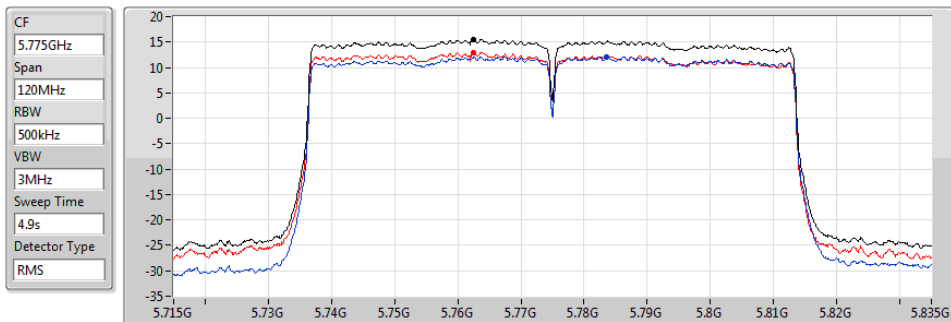
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.51	-7.51	-10.80	-10.13

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

24/09/2019



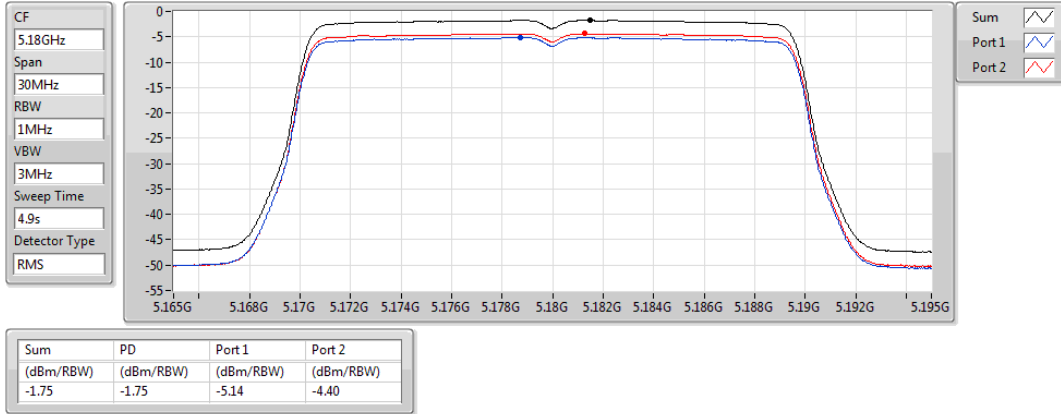
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.52	15.52	12.13	12.92

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

26/09/2019

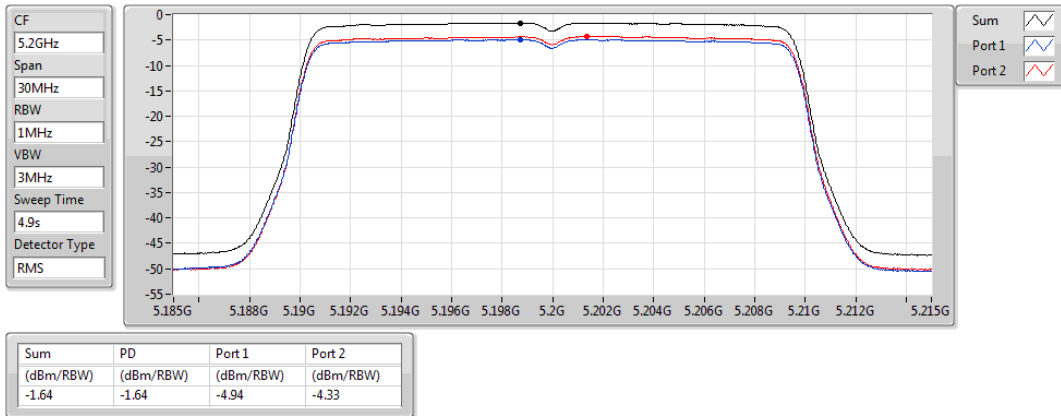


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

26/09/2019

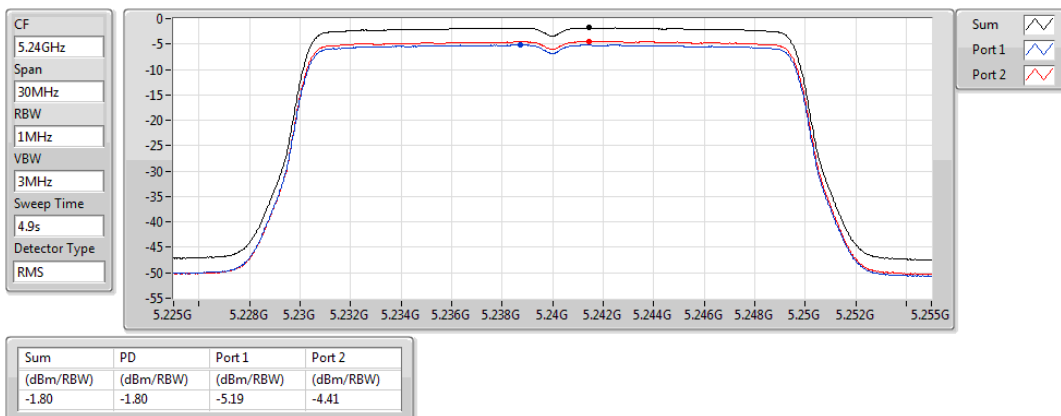


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

26/09/2019

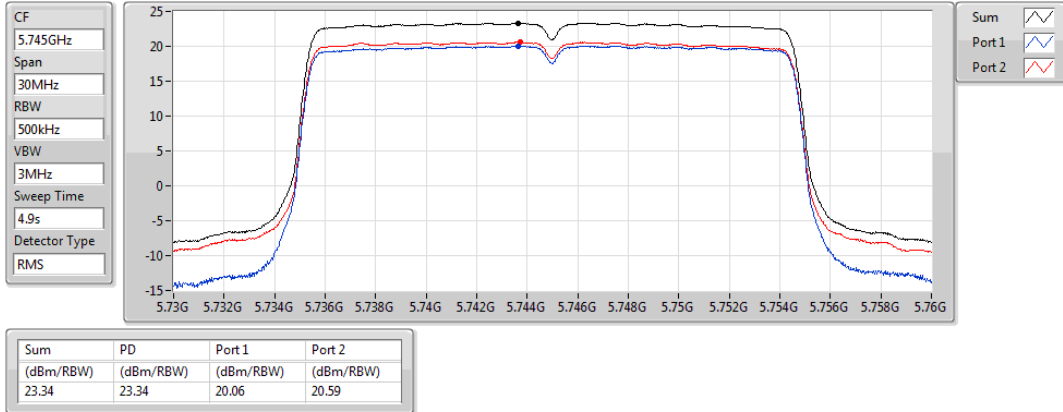


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

24/09/2019

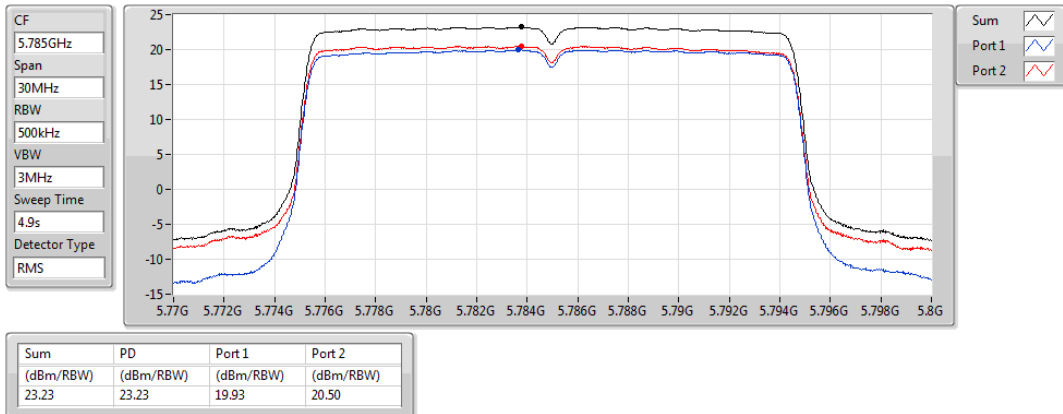


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

24/09/2019

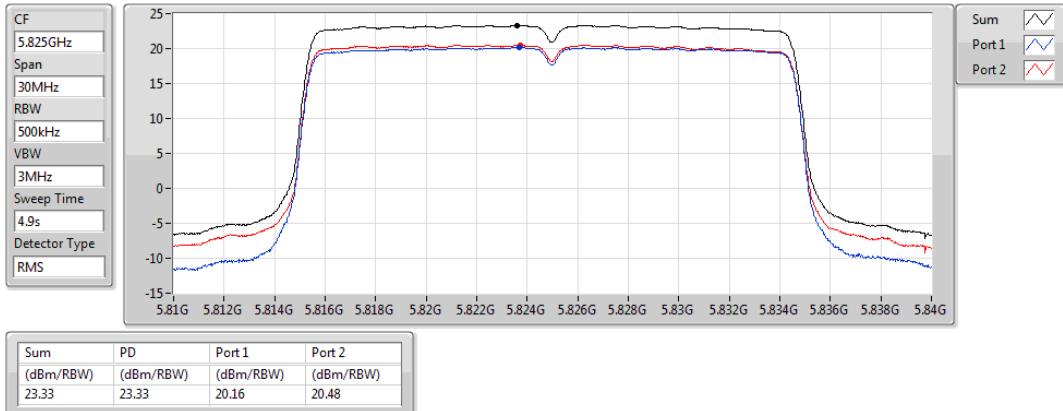


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

24/09/2019

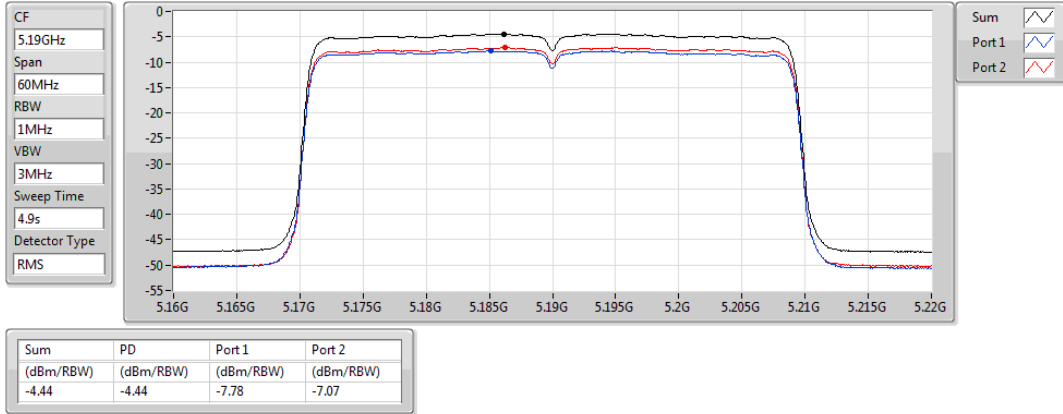


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

26/09/2019

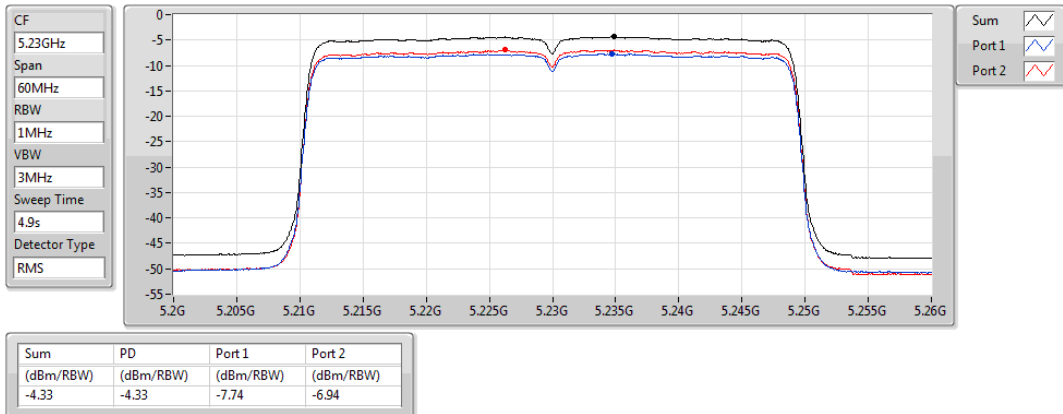


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

26/09/2019

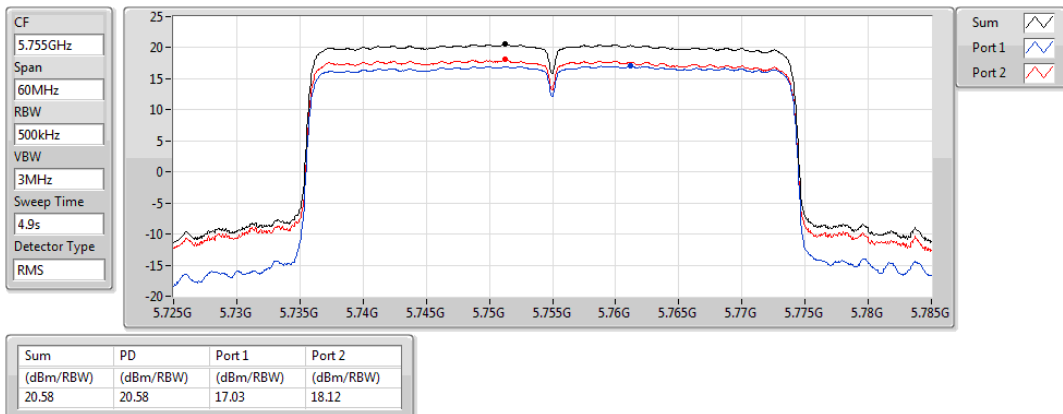


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

24/09/2019

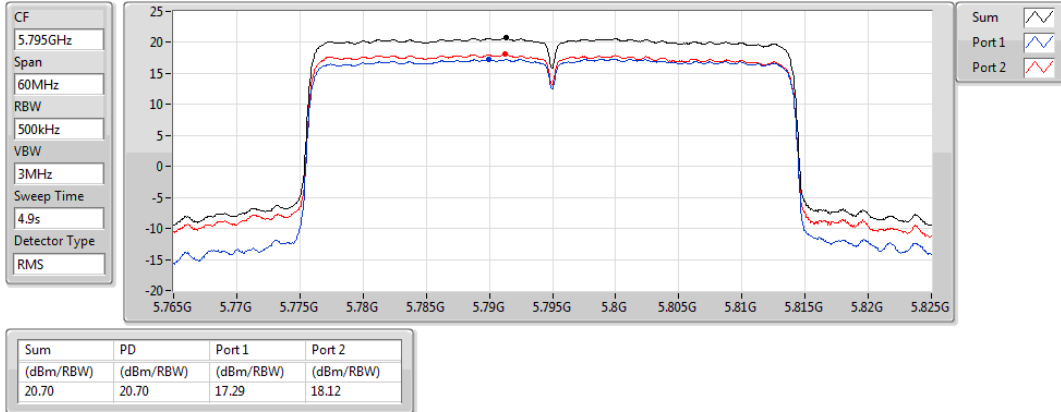


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

24/09/2019

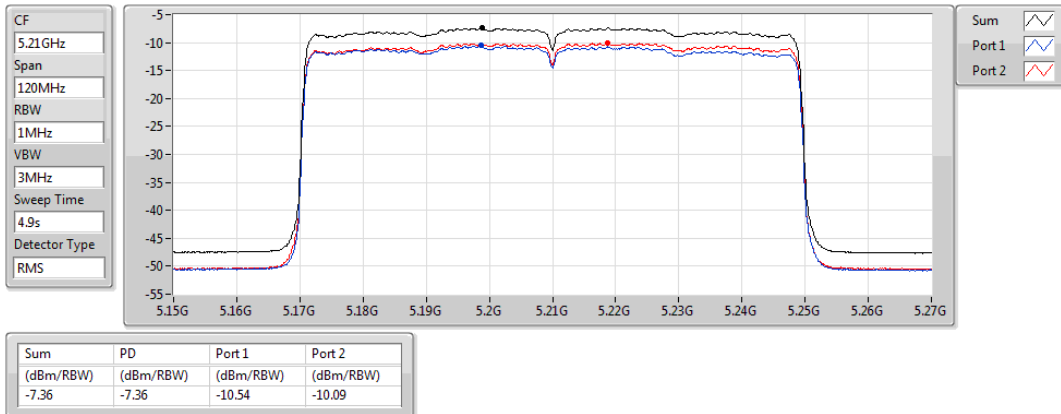


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

26/09/2019

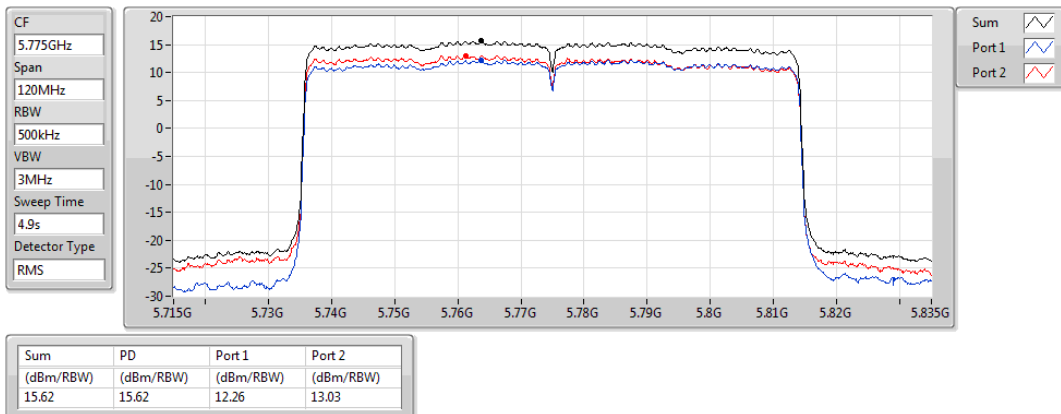


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

24/09/2019





PSD_
Non-Beamforming_outdoor_Sample 2_Radio 2_Panel 1_4T1S Appendix D.13

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	-0.25	16.47
802.11ac VHT20_Nss1,(MCS0)_4TX	-0.83	15.89
802.11ac VHT40_Nss1,(MCS0)_4TX	-3.42	13.30
802.11ac VHT80_Nss1,(MCS0)_4TX	-6.60	10.12
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.58	16.14
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.38	13.34
802.11ax HEW80_Nss1,(MCS0)_4TX	-6.47	10.25
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.54	27.26
802.11ac VHT20_Nss1,(MCS0)_4TX	10.00	26.72
802.11ac VHT40_Nss1,(MCS0)_4TX	7.17	23.89
802.11ac VHT80_Nss1,(MCS0)_4TX	3.60	20.32
802.11ax HEW20_Nss1,(MCS0)_4TX	10.04	26.76
802.11ax HEW40_Nss1,(MCS0)_4TX	7.11	23.83
802.11ax HEW80_Nss1,(MCS0)_4TX	3.78	20.50

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	16.72	-7.56	-6.64	-7.24	-7.08	-1.15	6.28	15.57	23.00
5200MHz	Pass	16.72	-6.54	-5.71	-6.31	-6.28	-0.25	6.28	16.47	23.00
5240MHz	Pass	16.72	-6.55	-5.81	-6.49	-6.49	-0.39	6.28	16.33	23.00
5745MHz	Pass	16.72	4.04	4.68	4.69	4.76	10.54	19.28	27.26	36.00
5785MHz	Pass	16.72	4.08	4.57	4.32	4.41	10.31	19.28	27.03	36.00
5825MHz	Pass	16.72	4.43	4.73	4.49	4.67	10.53	19.28	27.25	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	16.72	-7.06	-6.39	-6.78	-7.07	-0.83	6.28	15.89	23.00
5200MHz	Pass	16.72	-7.15	-6.52	-6.88	-7.21	-0.96	6.28	15.76	23.00
5240MHz	Pass	16.72	-7.19	-6.37	-6.77	-7.15	-0.91	6.28	15.81	23.00
5745MHz	Pass	16.72	3.48	4.34	4.32	4.04	10.00	19.28	26.72	36.00
5785MHz	Pass	16.72	3.35	4.19	4.12	3.68	9.79	19.28	26.51	36.00
5825MHz	Pass	16.72	3.54	4.28	3.99	3.81	9.84	19.28	26.56	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	16.72	-9.56	-9.40	-9.45	-9.60	-3.54	6.28	13.18	23.00
5230MHz	Pass	16.72	-9.54	-9.23	-9.35	-9.47	-3.42	6.28	13.30	23.00
5755MHz	Pass	16.72	0.17	1.32	1.15	0.93	6.90	19.28	23.62	36.00
5795MHz	Pass	16.72	0.64	1.74	1.36	1.04	7.17	19.28	23.89	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	16.72	-12.42	-12.41	-12.49	-12.90	-6.60	6.28	10.12	23.00
5775MHz	Pass	16.72	-2.99	-2.16	-2.08	-2.37	3.60	19.28	20.32	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	16.72	-6.79	-6.06	-6.71	-6.61	-0.58	6.28	16.14	23.00
5200MHz	Pass	16.72	-6.96	-6.35	-6.91	-7.06	-0.84	6.28	15.88	23.00
5240MHz	Pass	16.72	-7.04	-6.21	-6.77	-6.95	-0.78	6.28	15.94	23.00
5745MHz	Pass	16.72	3.52	4.38	4.29	4.01	10.04	19.28	26.76	36.00
5785MHz	Pass	16.72	3.40	4.22	4.13	3.70	9.82	19.28	26.54	36.00
5825MHz	Pass	16.72	3.59	4.16	4.02	3.79	9.83	19.28	26.55	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	16.72	-9.64	-9.27	-9.43	-9.61	-3.52	6.28	13.20	23.00
5230MHz	Pass	16.72	-9.56	-9.15	-9.28	-9.36	-3.38	6.28	13.34	23.00
5755MHz	Pass	16.72	0.27	1.33	1.21	1.08	6.91	19.28	23.63	36.00
5795MHz	Pass	16.72	0.71	1.56	1.25	1.12	7.11	19.28	23.83	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	16.72	-12.45	-12.27	-12.36	-12.72	-6.47	6.28	10.25	23.00
5775MHz	Pass	16.72	-2.73	-1.86	-1.97	-2.25	3.78	19.28	20.50	36.00

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

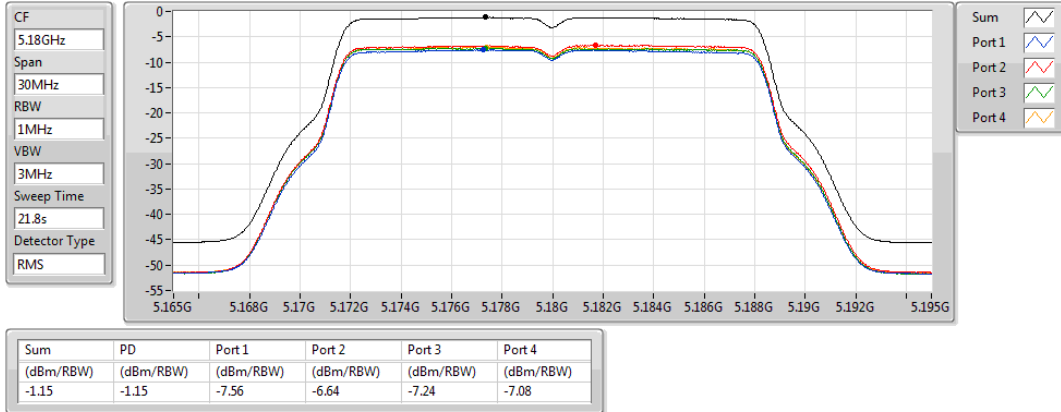
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

26/09/2019

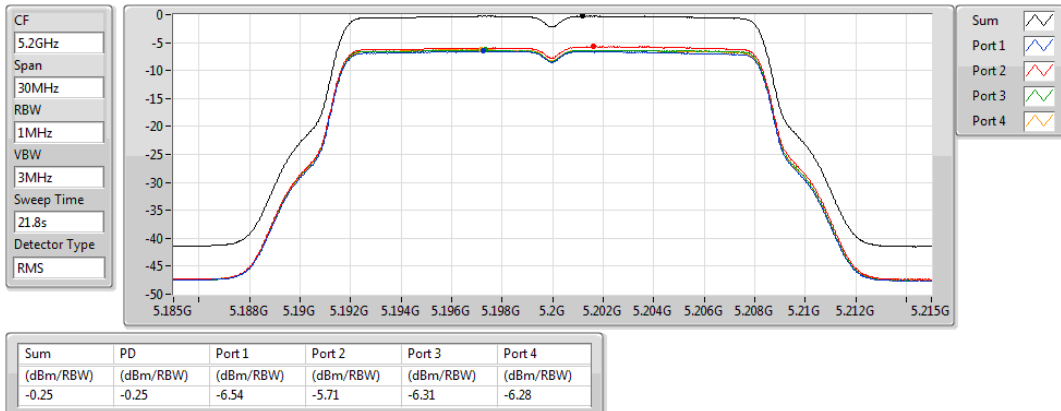


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

25/09/2019

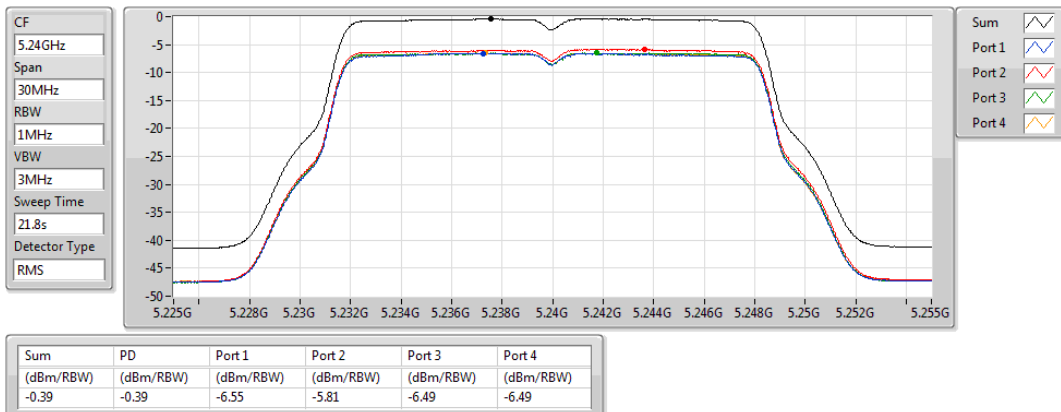


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

25/09/2019

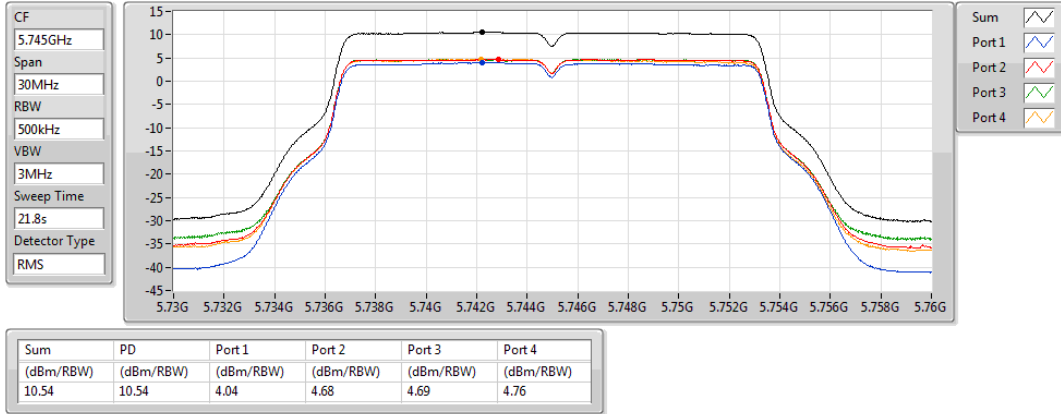


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

25/09/2019

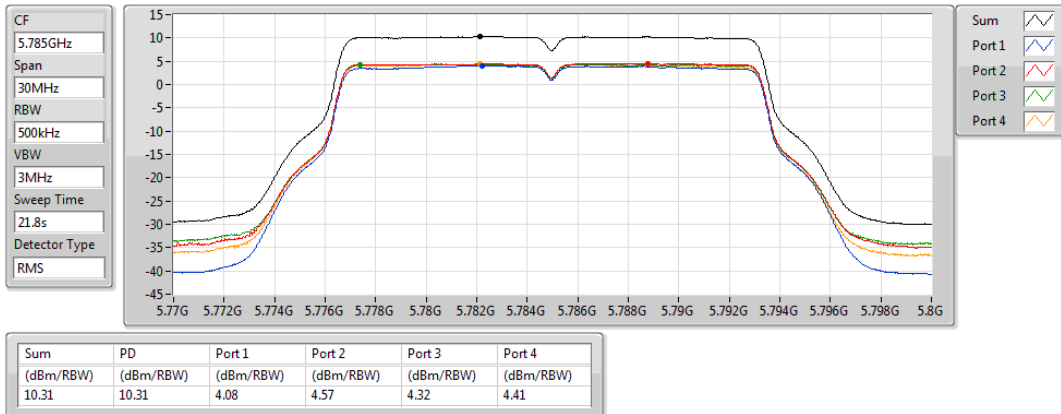


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

25/09/2019

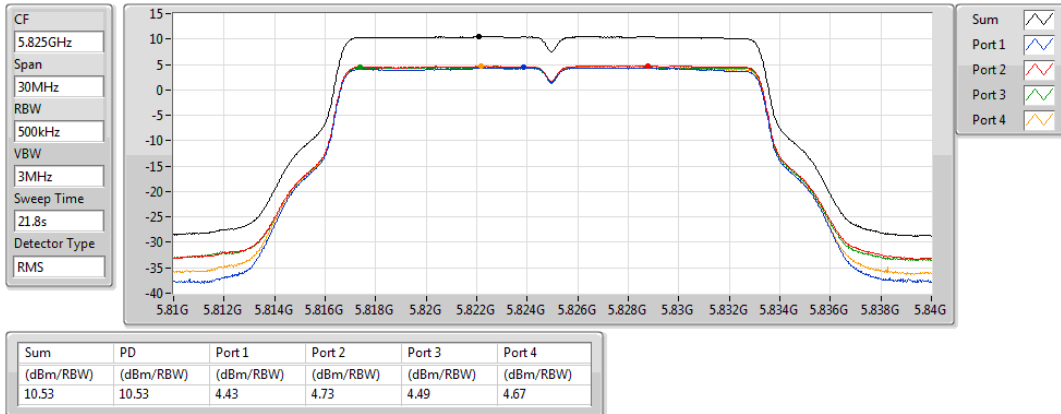


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

25/09/2019

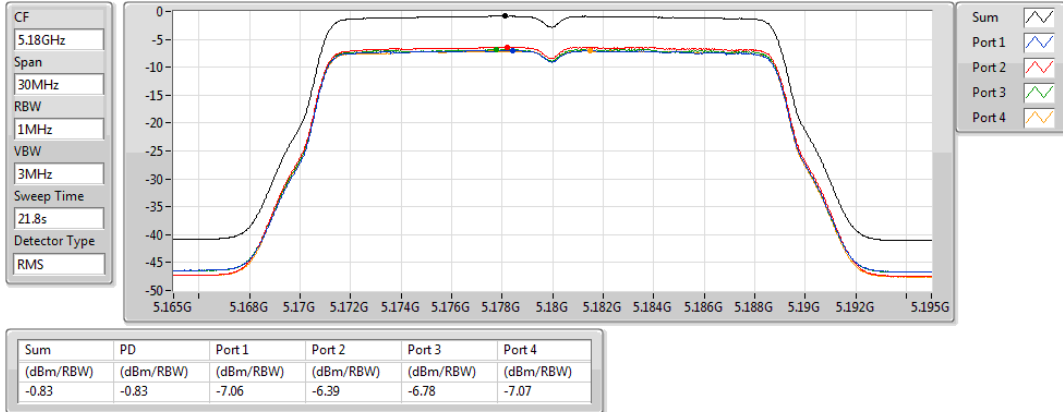


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

25/09/2019

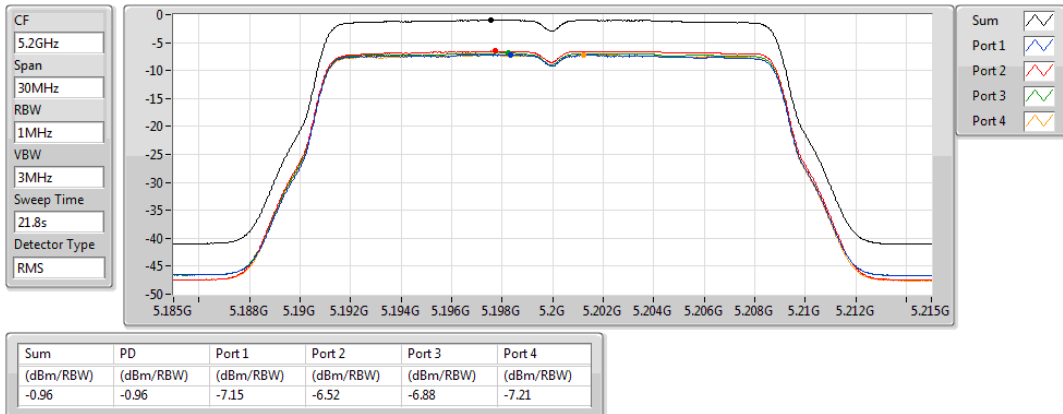


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

25/09/2019

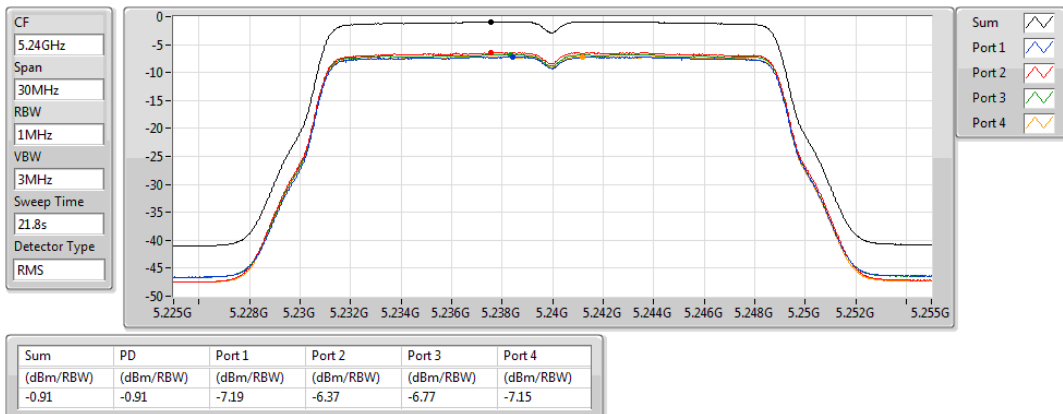


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

25/09/2019

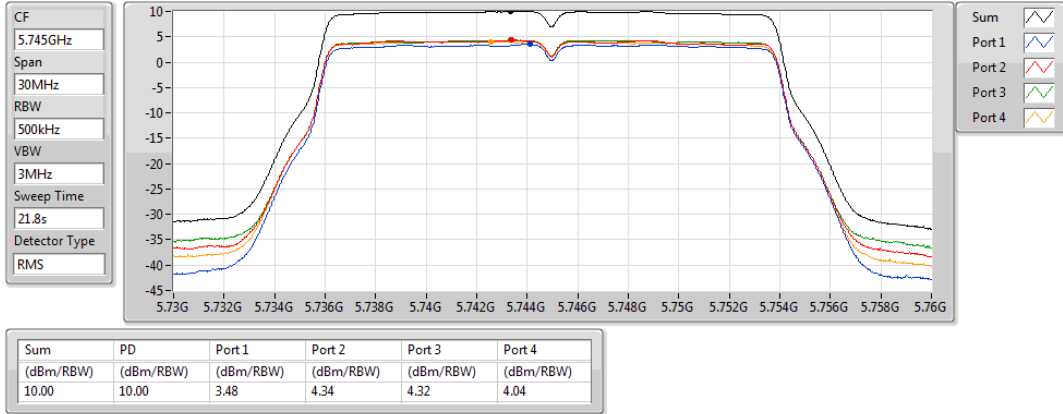


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

25/09/2019

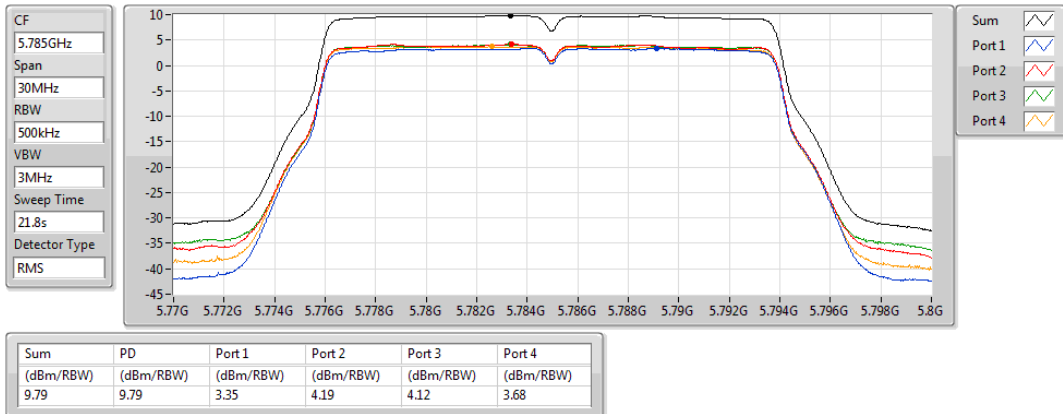


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

25/09/2019

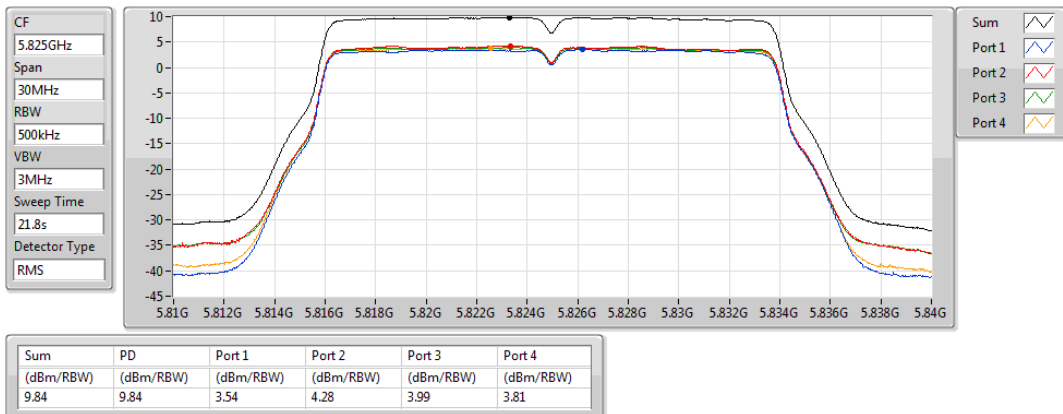


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

25/09/2019

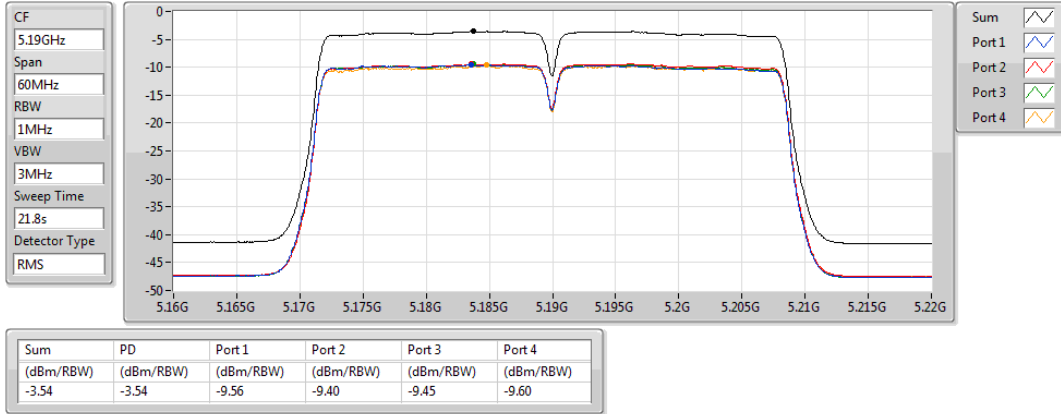


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

25/09/2019

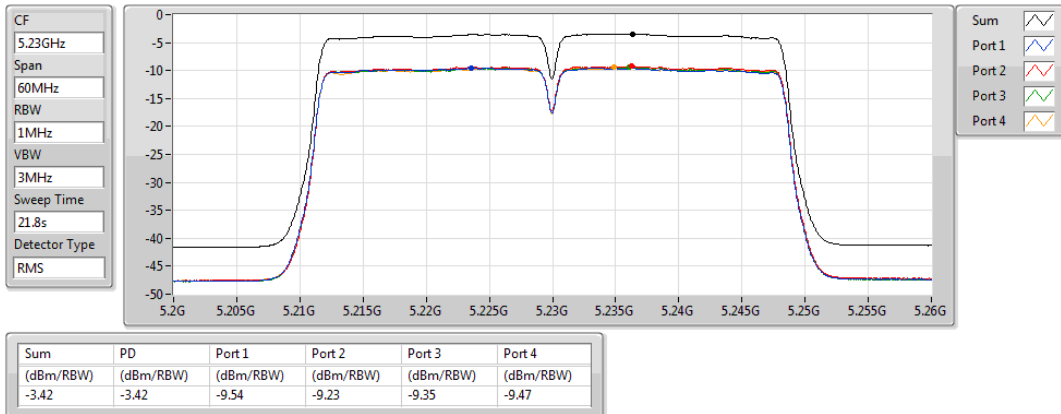


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

25/09/2019

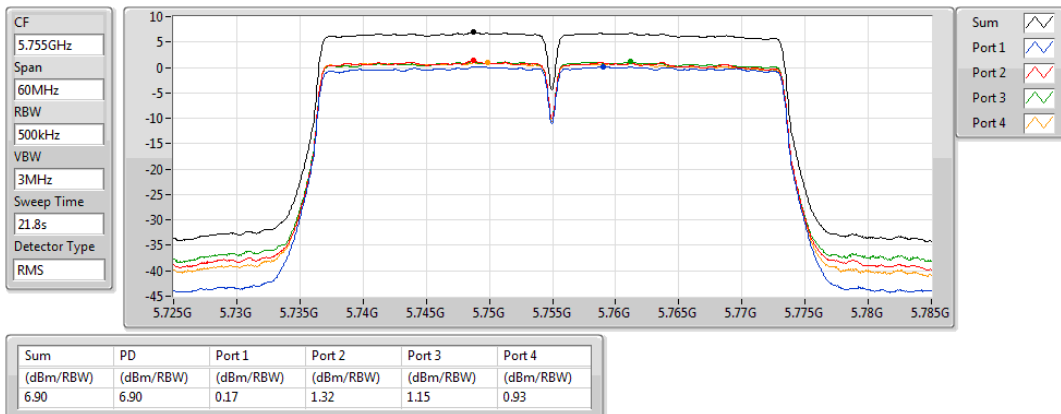


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5755MHz

25/09/2019

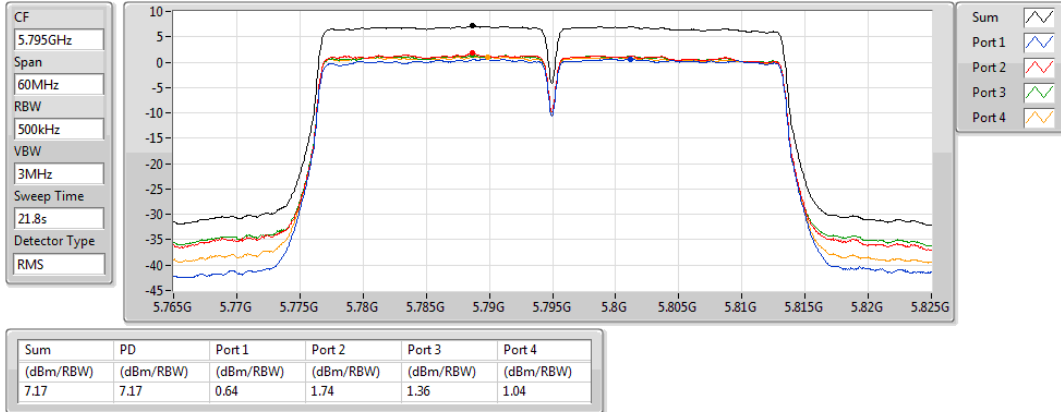


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

25/09/2019

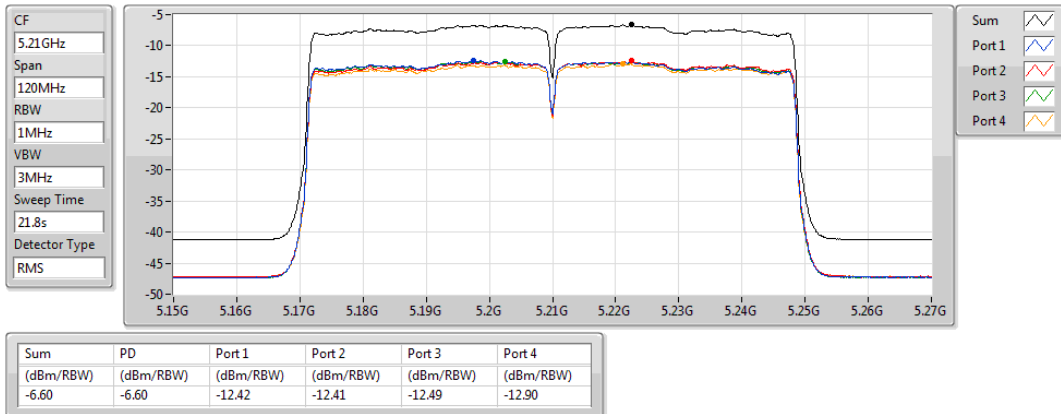


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

25/09/2019

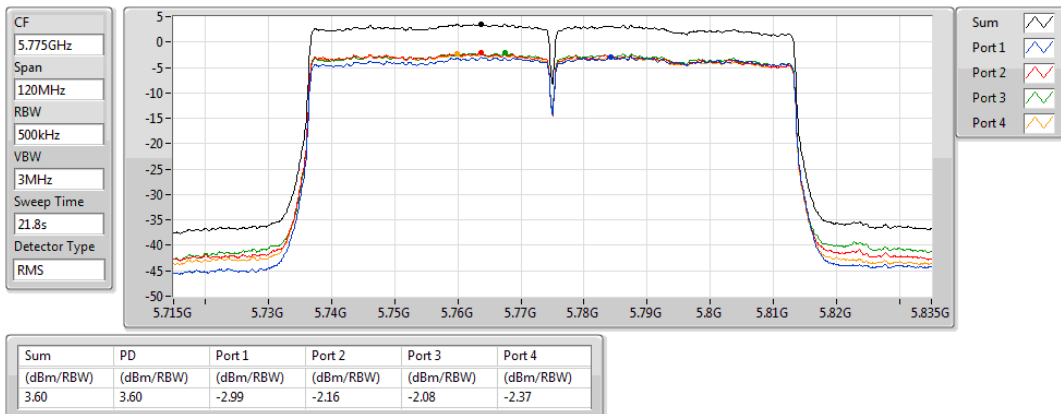


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

25/09/2019

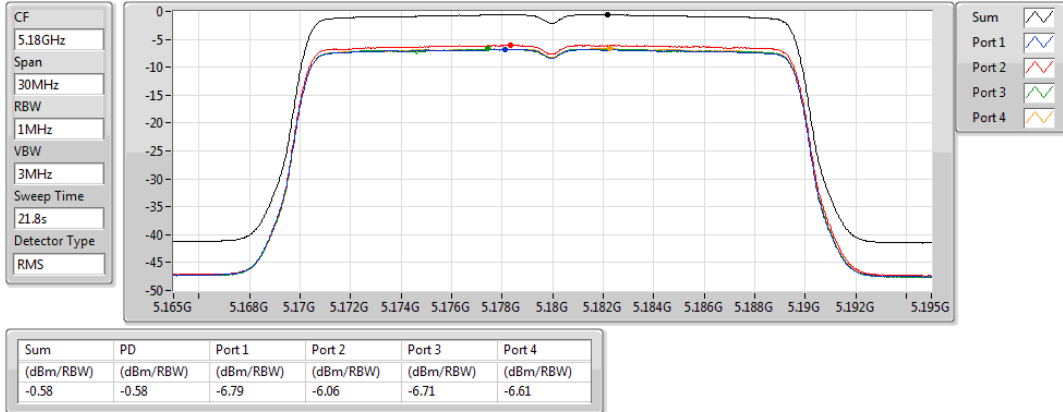


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

25/09/2019

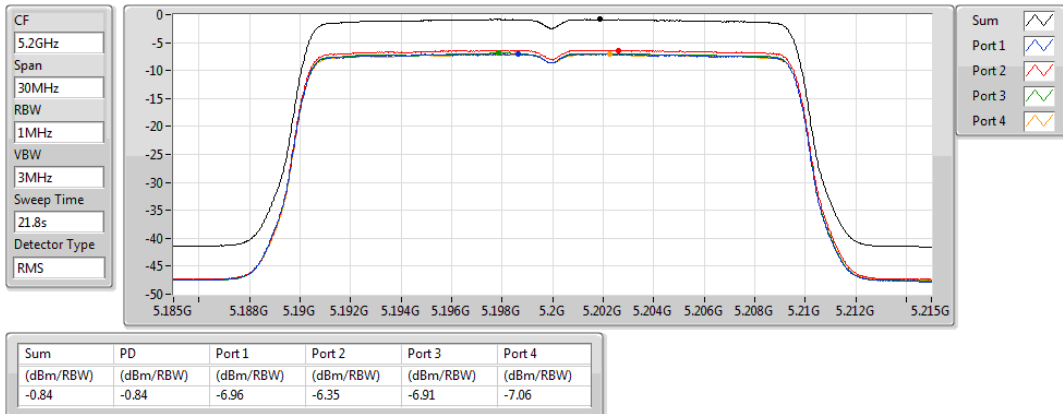


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

25/09/2019

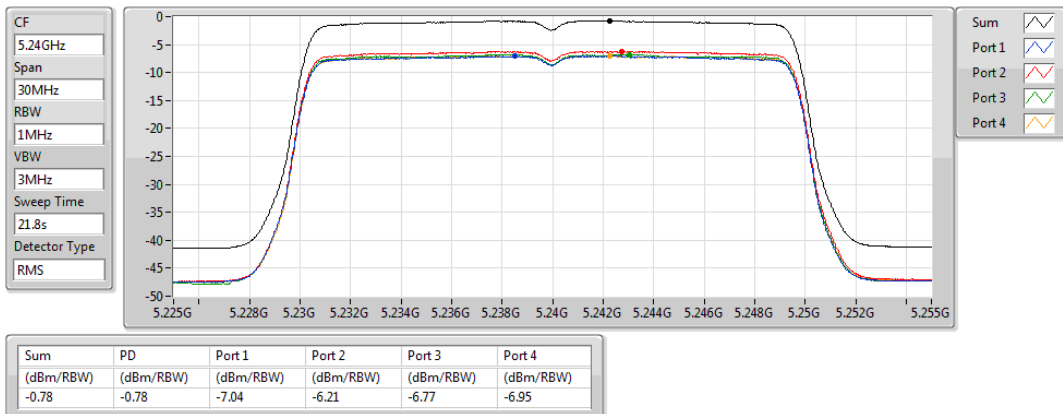


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

25/09/2019

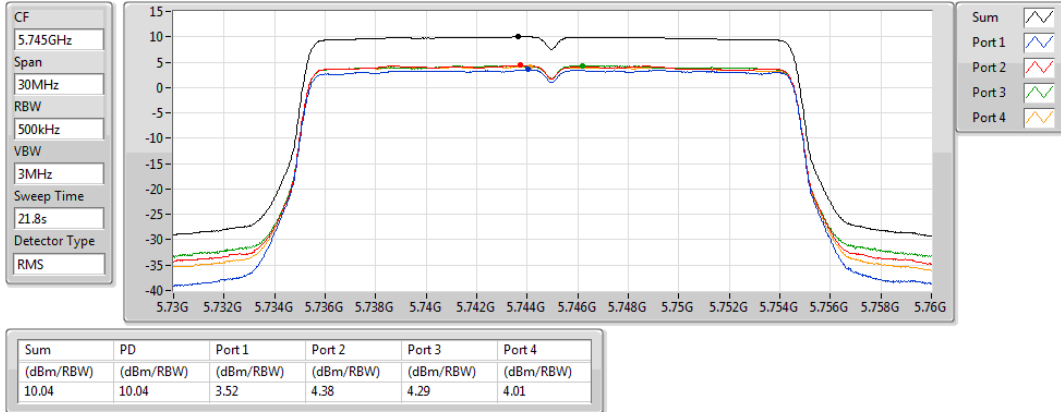


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

25/09/2019

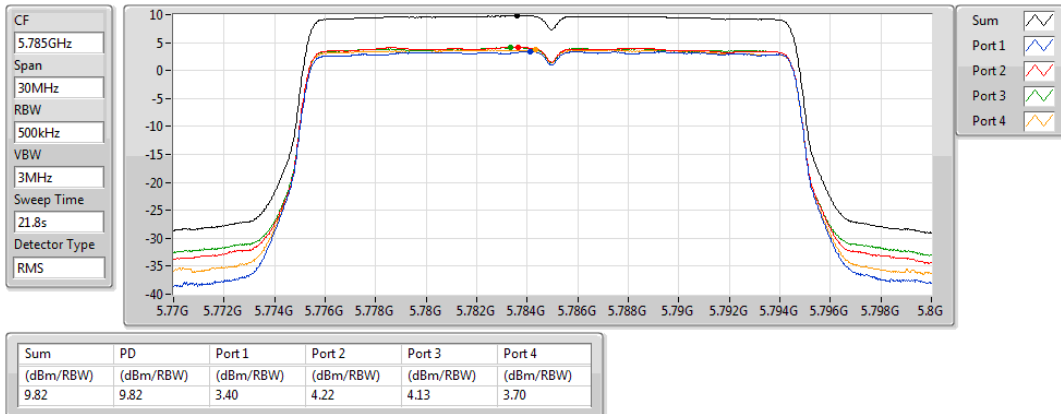


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

25/09/2019

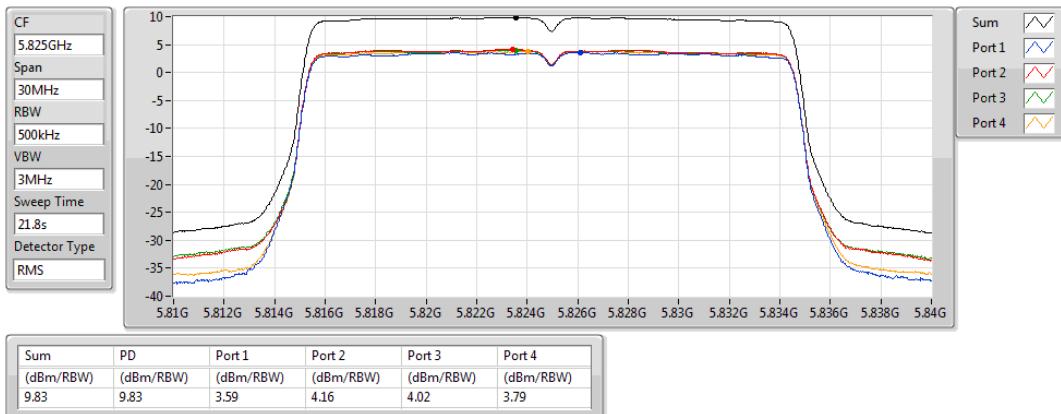


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

25/09/2019

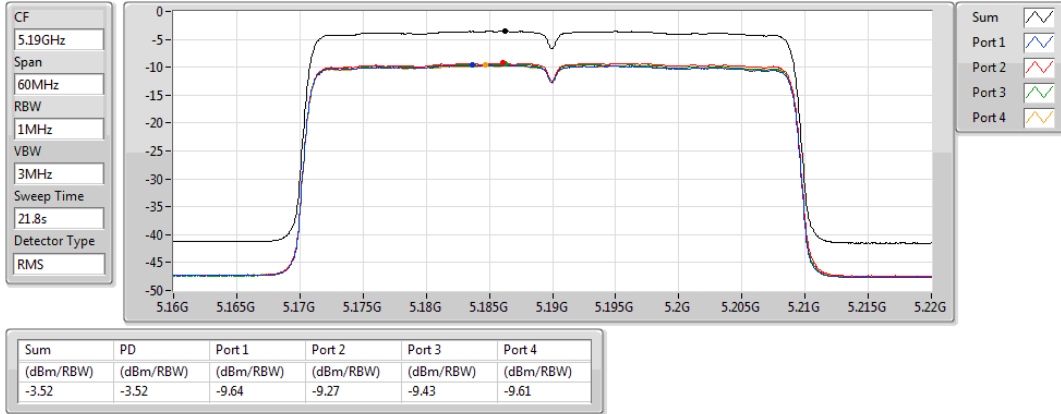


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

25/09/2019

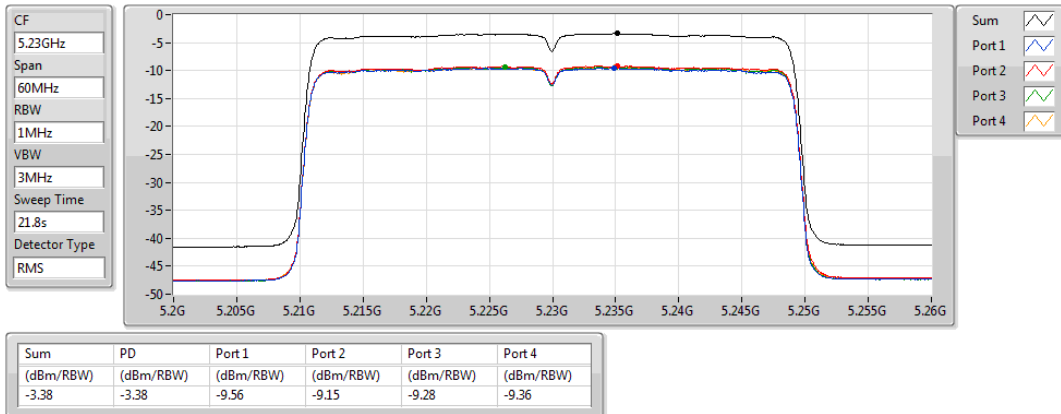


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

25/09/2019

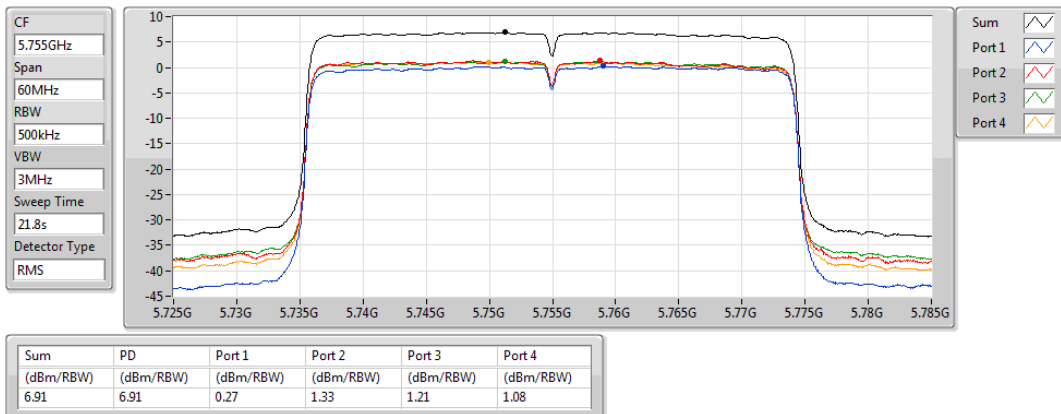


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

25/09/2019

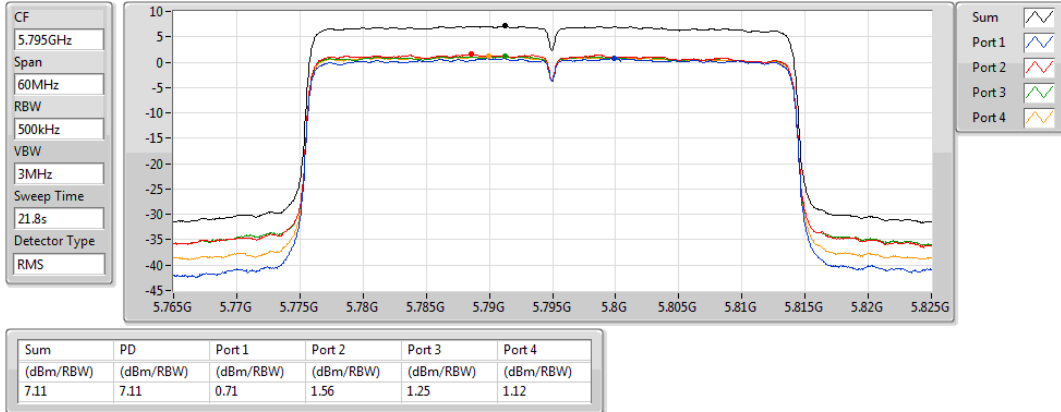


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

25/09/2019

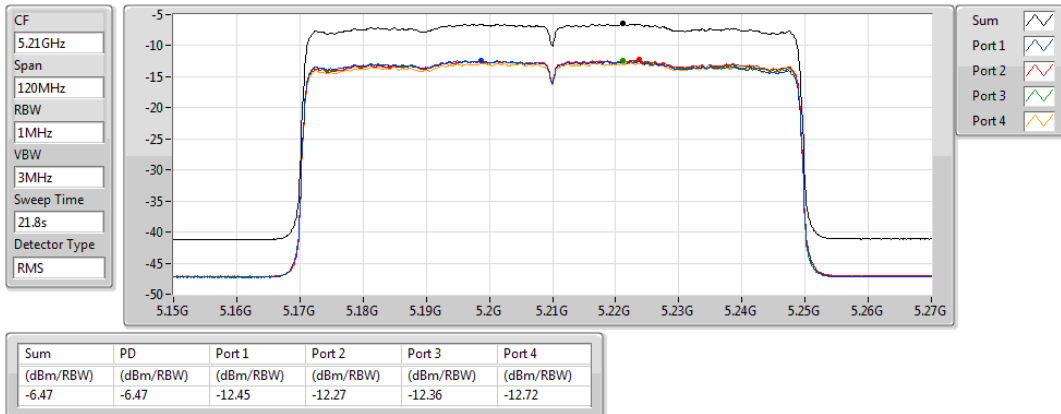


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

25/09/2019

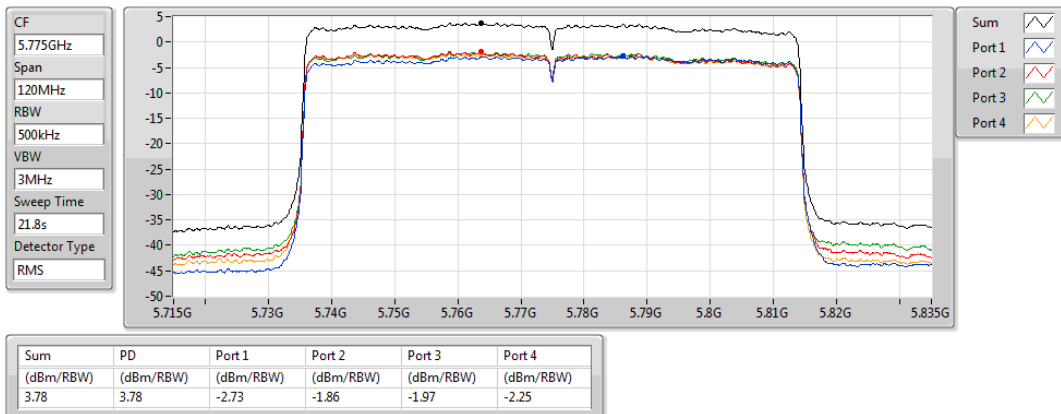


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

25/09/2019





PSD_
Non-Beamforming_outdoor_Sample 2_Radio 2_Panel 1_4T4S Appendix D.14

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	-0.40	10.30
802.11ac VHT40_Nss4,(MCS0)_4TX	-3.06	7.64
802.11ac VHT80_Nss4,(MCS0)_4TX	-6.19	4.51
802.11ax HEW20_Nss4,(MCS0)_4TX	-0.28	10.42
802.11ax HEW40_Nss4,(MCS0)_4TX	-3.14	7.56
802.11ax HEW80_Nss4,(MCS0)_4TX	-6.15	4.55
5.725-5.85GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	9.89	20.59
802.11ac VHT40_Nss4,(MCS0)_4TX	7.27	17.97
802.11ac VHT80_Nss4,(MCS0)_4TX	4.96	15.66
802.11ax HEW20_Nss4,(MCS0)_4TX	9.79	20.49
802.11ax HEW40_Nss4,(MCS0)_4TX	7.28	17.98
802.11ax HEW80_Nss4,(MCS0)_4TX	5.15	15.85

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-6.70	-5.97	-6.34	-6.45	-0.40	12.30	10.30	23.00
5200MHz	Pass	10.70	-6.71	-5.97	-6.32	-6.68	-0.45	12.30	10.25	23.00
5240MHz	Pass	10.70	-6.80	-6.09	-6.38	-6.63	-0.56	12.30	10.14	23.00
5745MHz	Pass	10.70	3.23	4.12	4.33	3.91	9.81	25.30	20.51	36.00
5785MHz	Pass	10.70	3.27	3.94	3.99	3.62	9.63	25.30	20.33	36.00
5825MHz	Pass	10.70	3.62	4.27	4.11	3.80	9.89	25.30	20.59	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-9.21	-8.71	-8.98	-9.14	-3.12	12.30	7.58	23.00
5230MHz	Pass	10.70	-9.29	-8.73	-8.89	-8.97	-3.06	12.30	7.64	23.00
5755MHz	Pass	10.70	0.65	1.54	1.64	1.48	7.22	25.30	17.92	36.00
5795MHz	Pass	10.70	0.91	1.60	1.44	1.40	7.27	25.30	17.97	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-12.01	-12.03	-11.89	-12.46	-6.19	12.30	4.51	23.00
5775MHz	Pass	10.70	-1.68	-0.71	-0.71	-0.90	4.96	25.30	15.66	36.00
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-6.63	-5.78	-6.31	-6.43	-0.28	12.30	10.42	23.00
5200MHz	Pass	10.70	-6.77	-6.08	-6.45	-6.62	-0.49	12.30	10.21	23.00
5240MHz	Pass	10.70	-6.90	-6.08	-6.60	-6.78	-0.60	12.30	10.10	23.00
5745MHz	Pass	10.70	3.09	4.02	4.19	3.88	9.79	25.30	20.49	36.00
5785MHz	Pass	10.70	3.24	3.97	3.79	3.57	9.59	25.30	20.29	36.00
5825MHz	Pass	10.70	3.40	4.07	3.99	3.78	9.77	25.30	20.47	36.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-9.42	-8.97	-9.02	-9.32	-3.23	12.30	7.47	23.00
5230MHz	Pass	10.70	-9.41	-8.86	-9.05	-9.13	-3.14	12.30	7.56	23.00
5755MHz	Pass	10.70	0.51	1.64	1.60	1.43	7.24	25.30	17.94	36.00
5795MHz	Pass	10.70	0.80	1.65	1.68	1.30	7.28	25.30	17.98	36.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-12.09	-12.06	-11.94	-12.35	-6.15	12.30	4.55	23.00
5775MHz	Pass	10.70	-1.52	-0.40	-0.79	-0.62	5.15	25.30	15.85	36.00

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

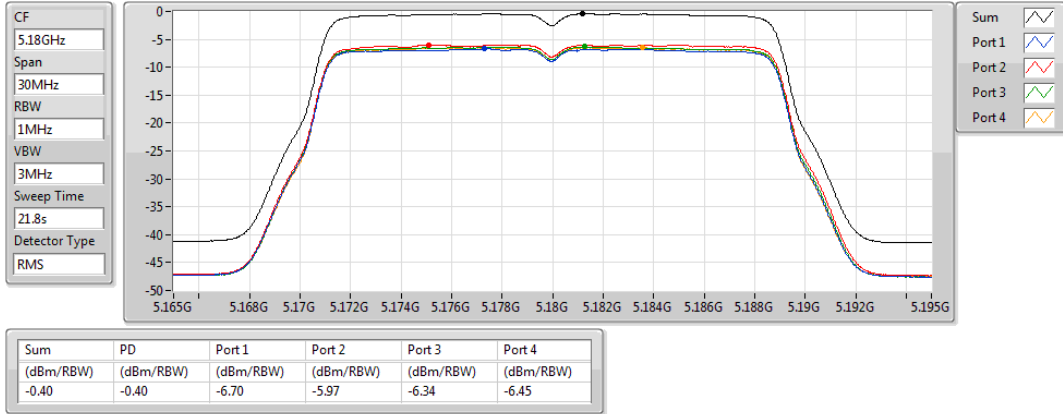
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5180MHz

25/09/2019

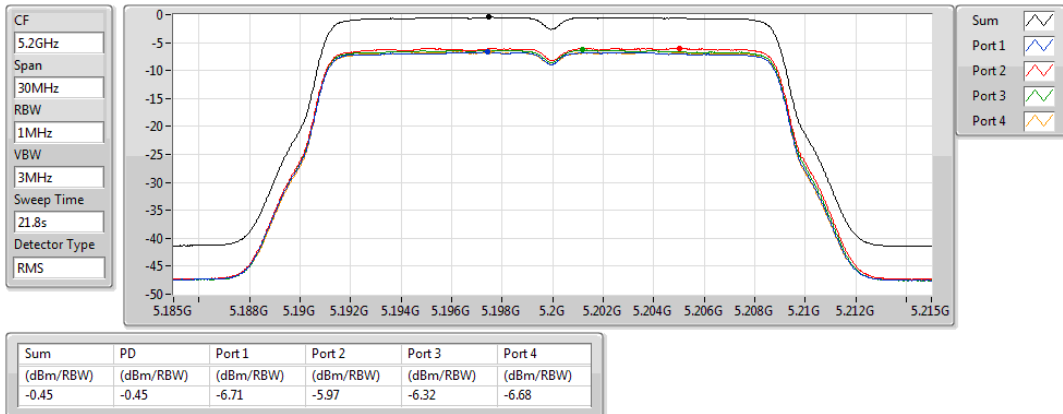


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5200MHz

25/09/2019

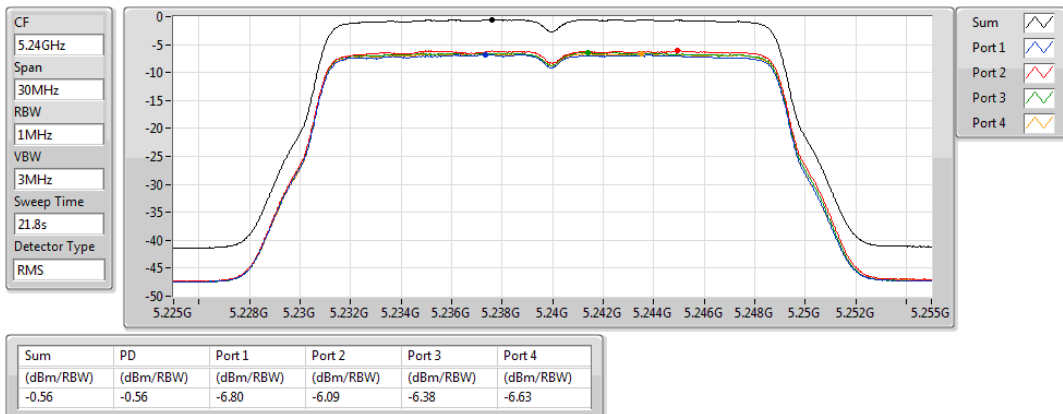


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5240MHz

25/09/2019

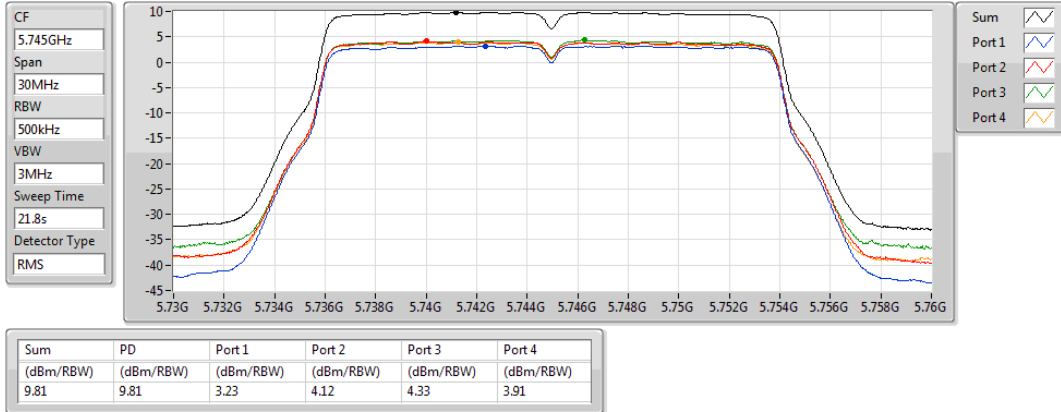


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5745MHz

25/09/2019

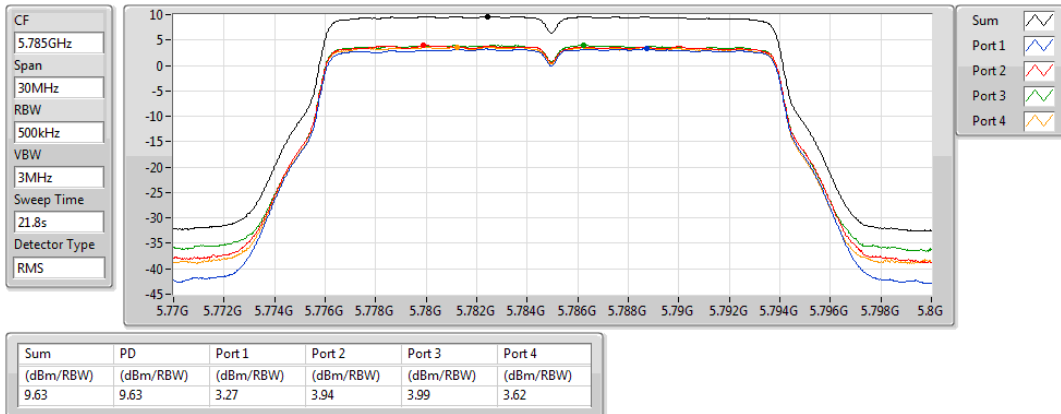


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5785MHz

25/09/2019

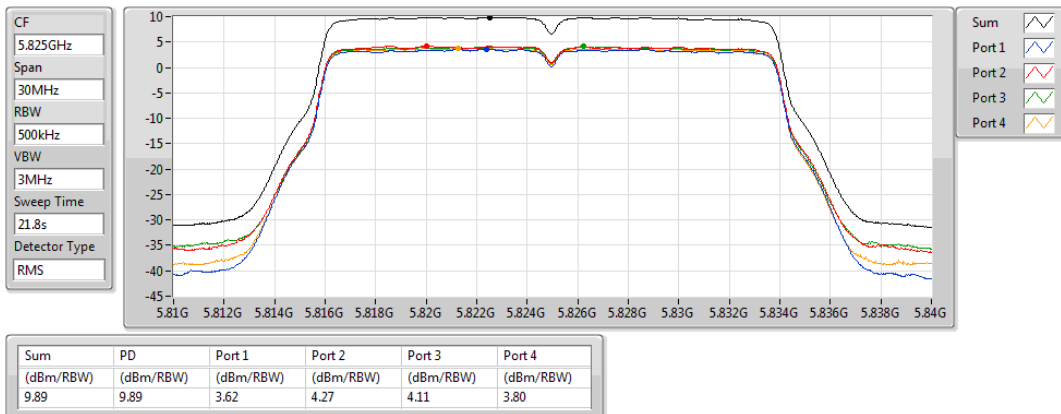


802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5825MHz

25/09/2019

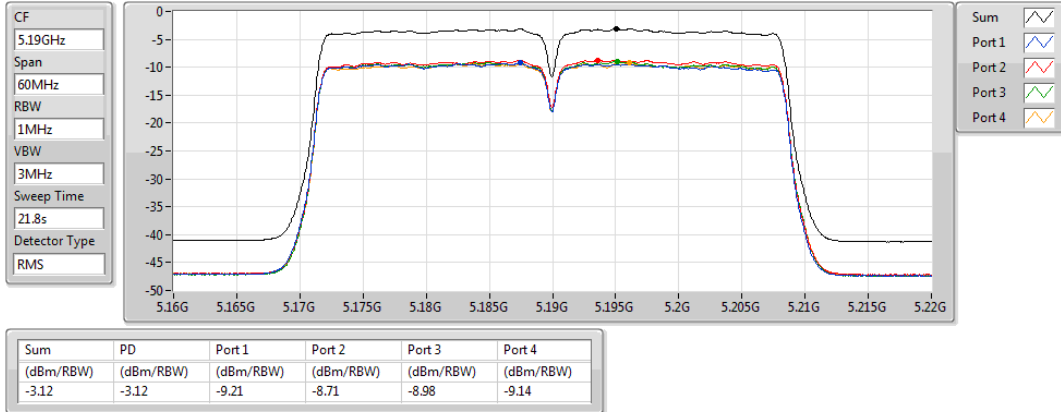


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5190MHz

25/09/2019

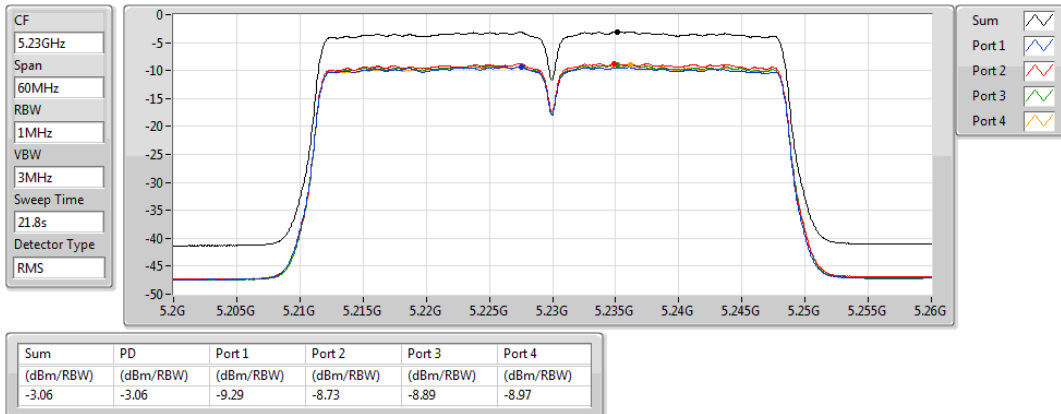


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5230MHz

25/09/2019

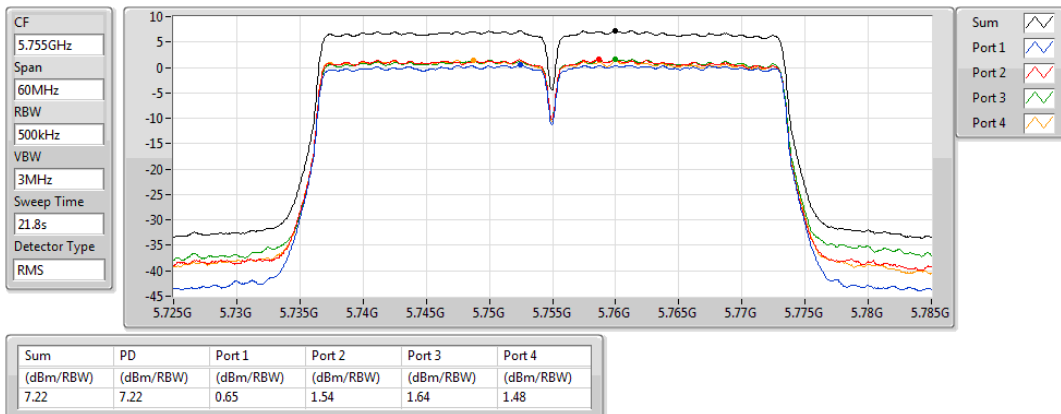


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5755MHz

25/09/2019

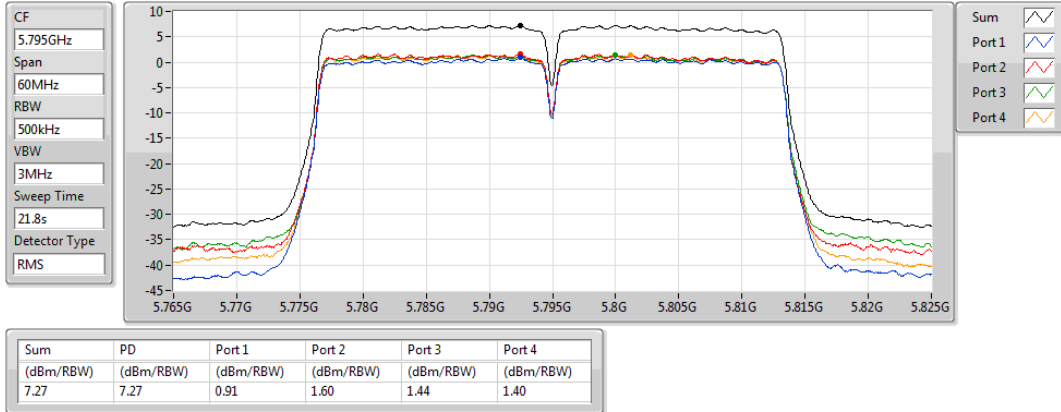


802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5795MHz

25/09/2019

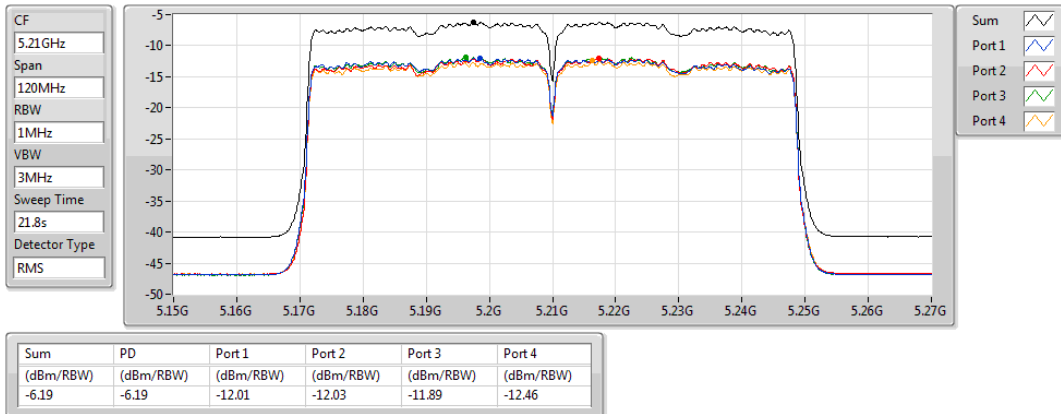


802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5210MHz

25/09/2019

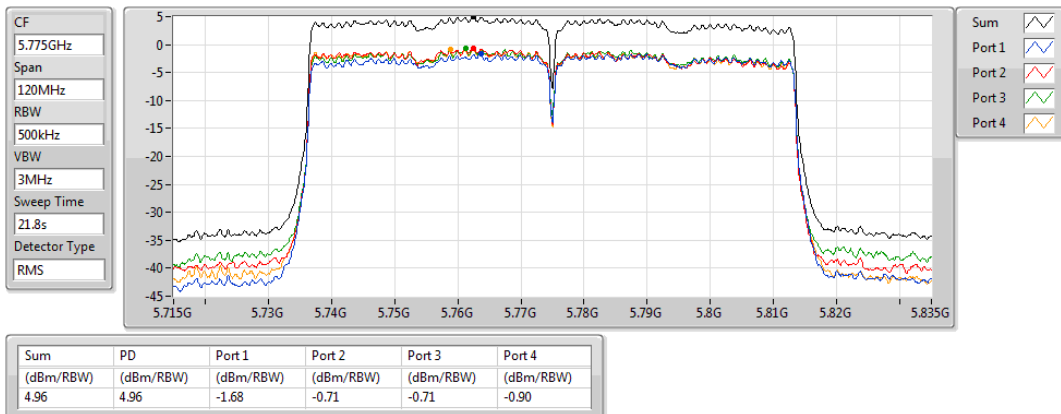


802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5775MHz

25/09/2019

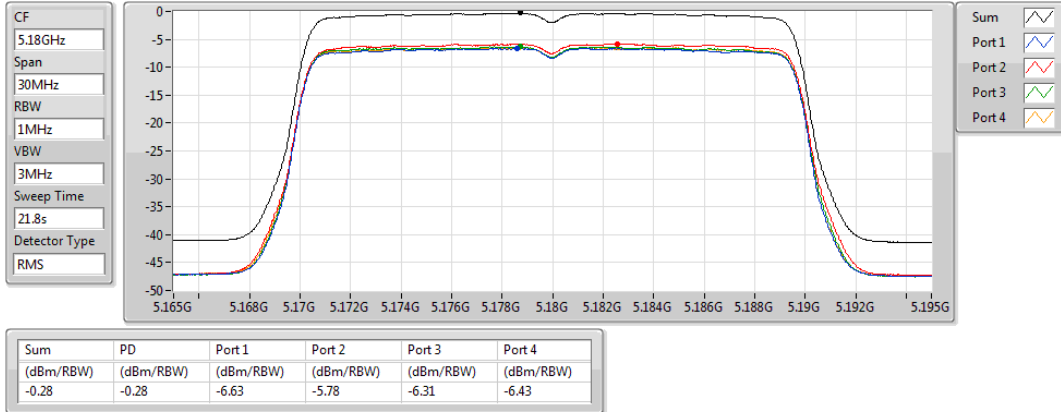


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

25/09/2019

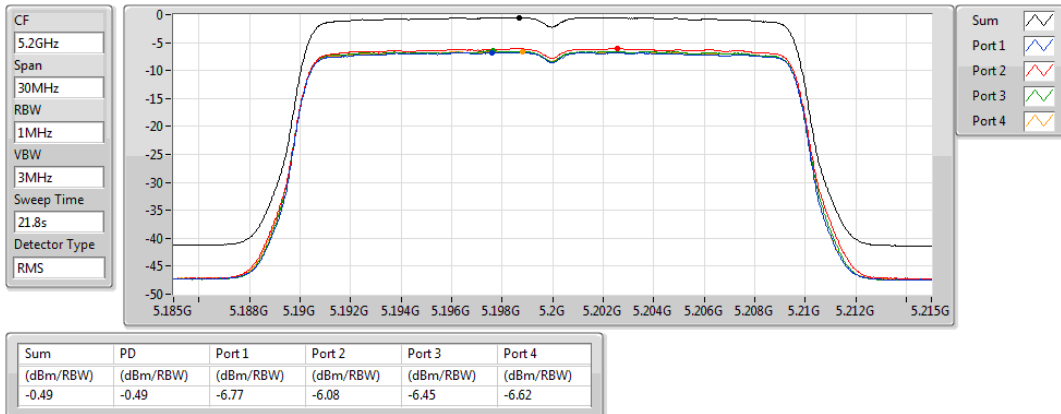


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

25/09/2019

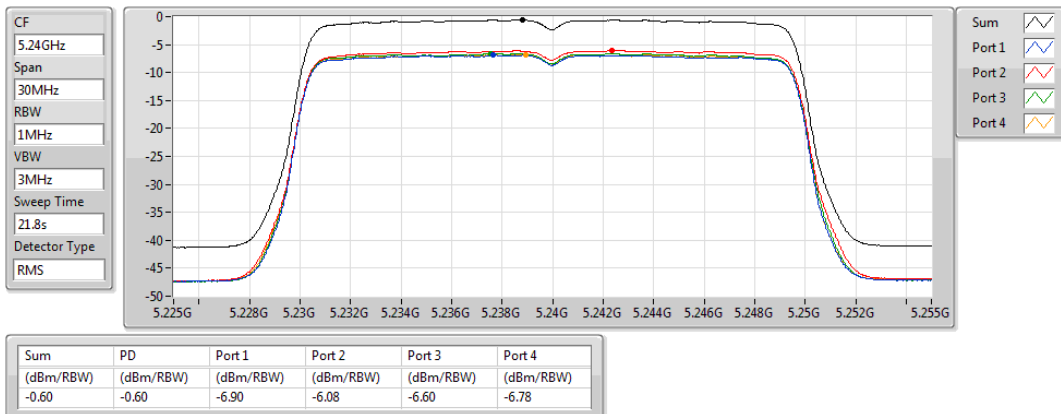


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

25/09/2019

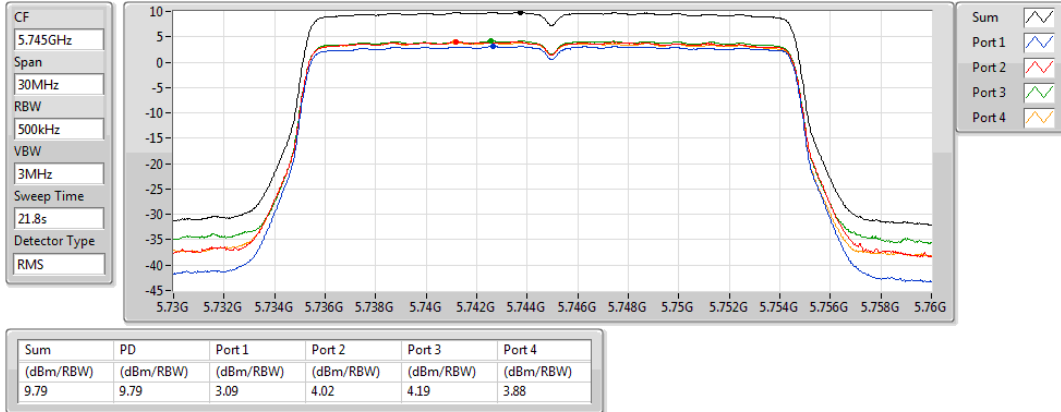


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

25/09/2019

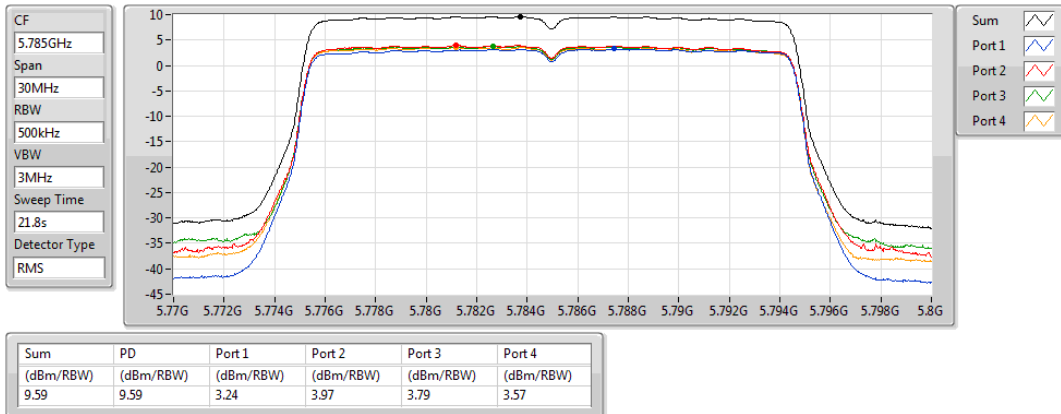


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

25/09/2019

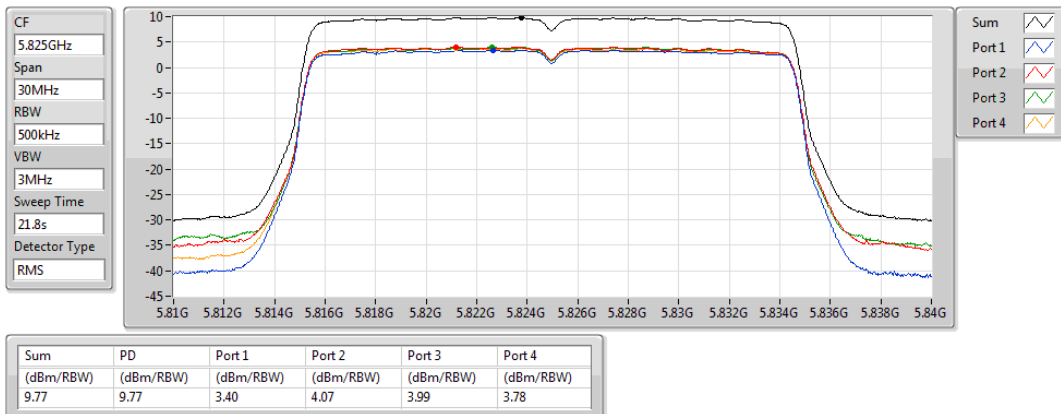


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

25/09/2019

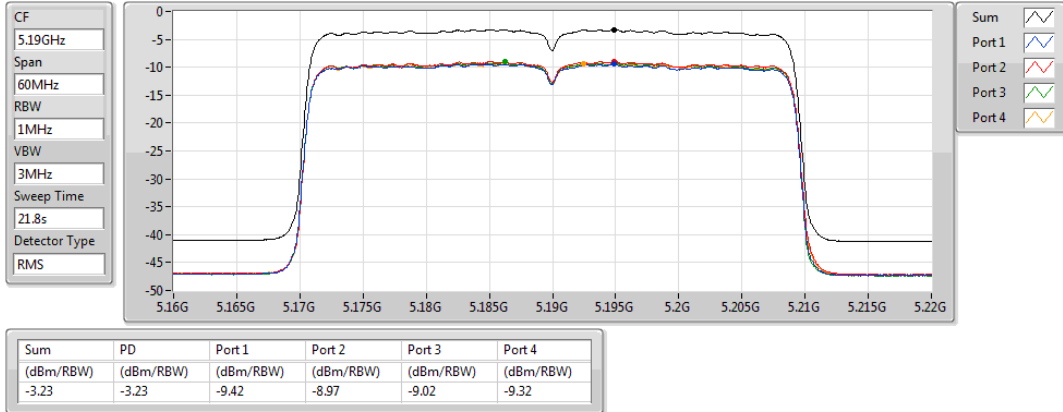


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

25/09/2019

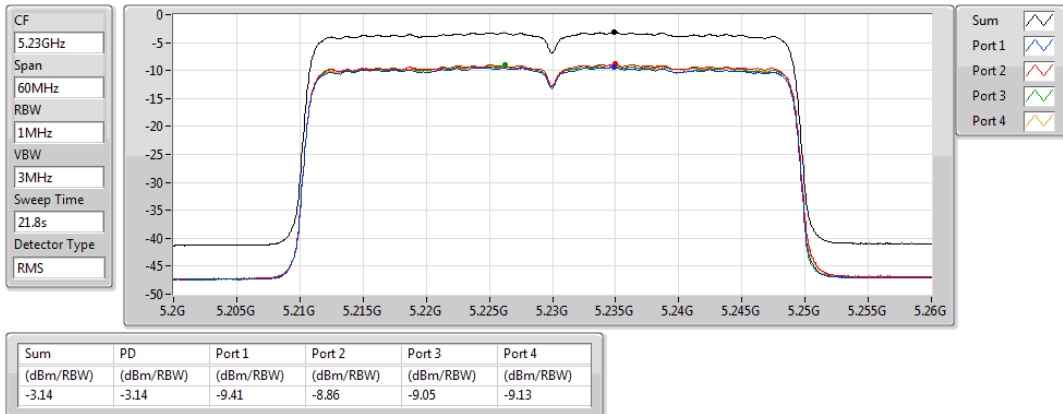


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

25/09/2019

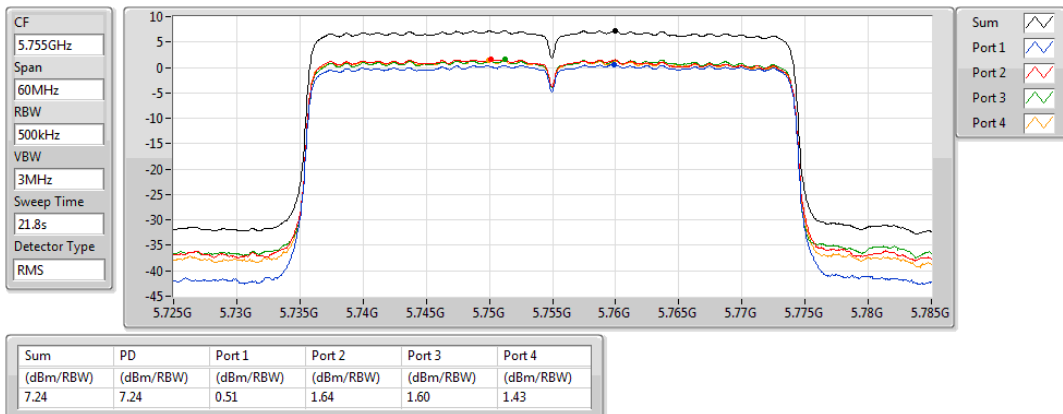


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

25/09/2019

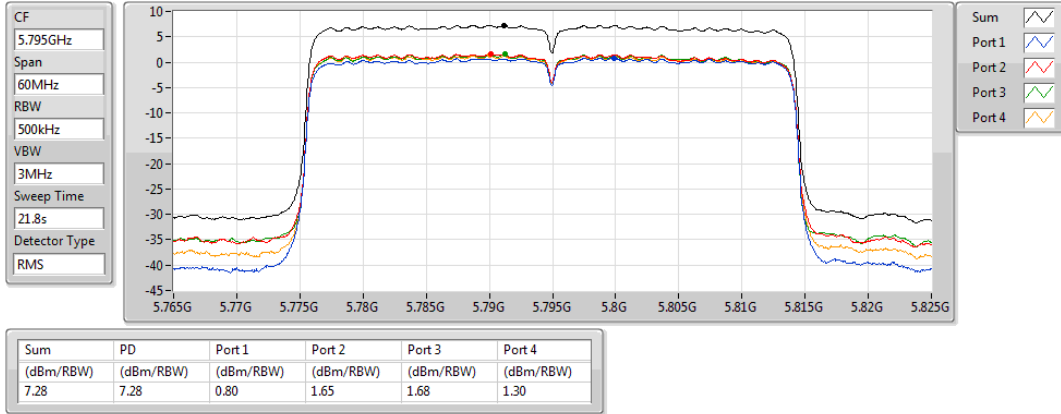


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

25/09/2019

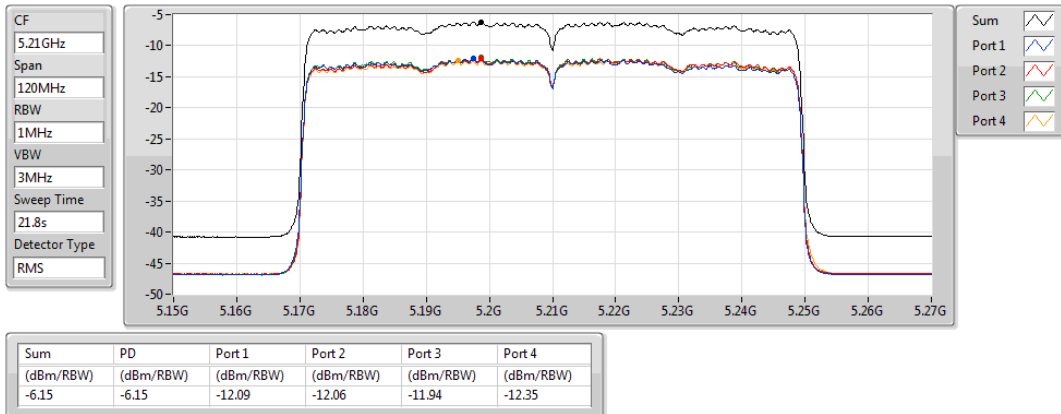


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

25/09/2019

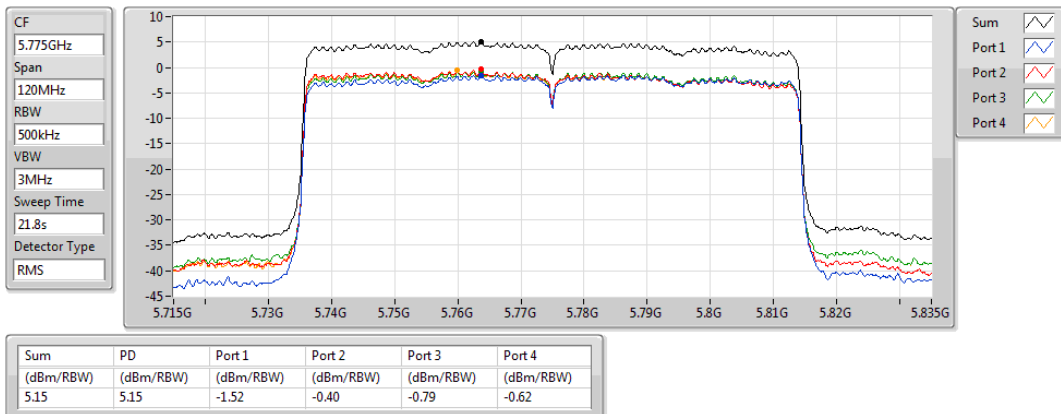


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

25/09/2019





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	11.02	19.02
802.11ac VHT20_Nss1,(MCS0)_1TX	9.56	17.56
802.11ac VHT40_Nss1,(MCS0)_1TX	7.29	15.29
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.39	4.61
802.11ax HEW20_Nss1,(MCS0)_1TX	9.64	17.64
802.11ax HEW40_Nss1,(MCS0)_1TX	7.27	15.27
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.14	4.86
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.70	18.70
802.11ac VHT20_Nss1,(MCS0)_1TX	11.26	19.26
802.11ac VHT40_Nss1,(MCS0)_1TX	8.05	16.05
802.11ac VHT80_Nss1,(MCS0)_1TX	1.77	9.77
802.11ax HEW20_Nss1,(MCS0)_1TX	11.14	19.14
802.11ax HEW40_Nss1,(MCS0)_1TX	8.21	16.21
802.11ax HEW80_Nss1,(MCS0)_1TX	2.03	10.03

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	6.76	6.76	15.00	14.76	23.00
5200MHz	Pass	8.00	9.69	9.69	15.00	17.69	23.00
5240MHz	Pass	8.00	11.02	11.02	15.00	19.02	23.00
5745MHz	Pass	8.00	9.73	9.73	28.00	17.73	36.00
5785MHz	Pass	8.00	8.85	8.85	28.00	16.85	36.00
5825MHz	Pass	8.00	10.70	10.70	28.00	18.70	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	5.40	5.40	15.00	13.40	23.00
5200MHz	Pass	8.00	8.17	8.17	15.00	16.17	23.00
5240MHz	Pass	8.00	9.56	9.56	15.00	17.56	23.00
5745MHz	Pass	8.00	11.26	11.26	28.00	19.26	36.00
5785MHz	Pass	8.00	10.09	10.09	28.00	18.09	36.00
5825MHz	Pass	8.00	10.52	10.52	28.00	18.52	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	2.78	2.78	15.00	10.78	23.00
5230MHz	Pass	8.00	7.29	7.29	15.00	15.29	23.00
5755MHz	Pass	8.00	7.29	7.29	28.00	15.29	36.00
5795MHz	Pass	8.00	8.05	8.05	28.00	16.05	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-3.39	-3.39	15.00	4.61	23.00
5775MHz	Pass	8.00	1.77	1.77	28.00	9.77	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	5.63	5.63	15.00	13.63	23.00
5200MHz	Pass	8.00	8.26	8.26	15.00	16.26	23.00
5240MHz	Pass	8.00	9.64	9.64	15.00	17.64	23.00
5745MHz	Pass	8.00	11.14	11.14	28.00	19.14	36.00
5785MHz	Pass	8.00	9.94	9.94	28.00	17.94	36.00
5825MHz	Pass	8.00	10.48	10.48	28.00	18.48	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	2.96	2.96	15.00	10.96	23.00
5230MHz	Pass	8.00	7.27	7.27	15.00	15.27	23.00
5755MHz	Pass	8.00	7.28	7.28	28.00	15.28	36.00
5795MHz	Pass	8.00	8.21	8.21	28.00	16.21	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-3.14	-3.14	15.00	4.86	23.00
5775MHz	Pass	8.00	2.03	2.03	28.00	10.03	36.00

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

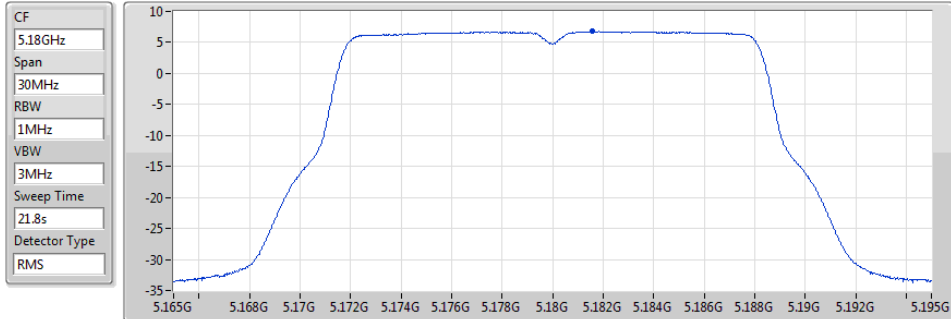
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

28/09/2019



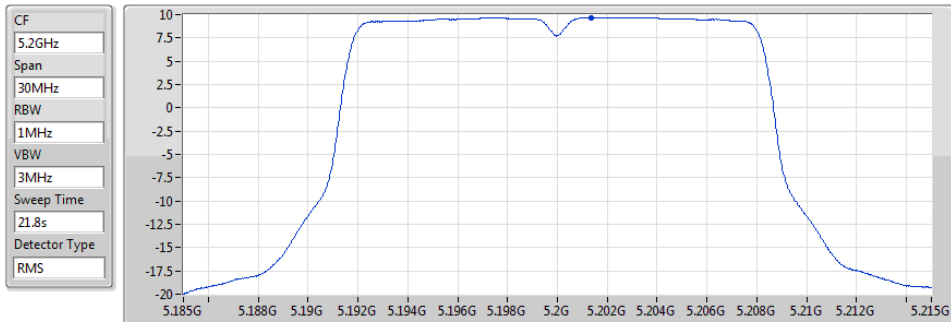
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.76	6.76	6.76

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

28/09/2019



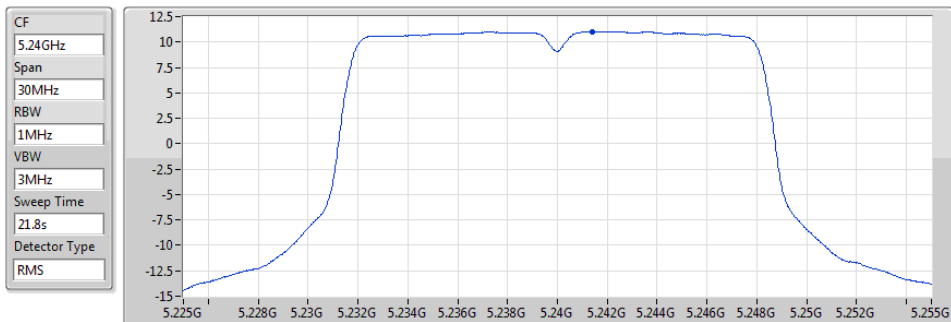
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.69	9.69	9.69

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

28/09/2019



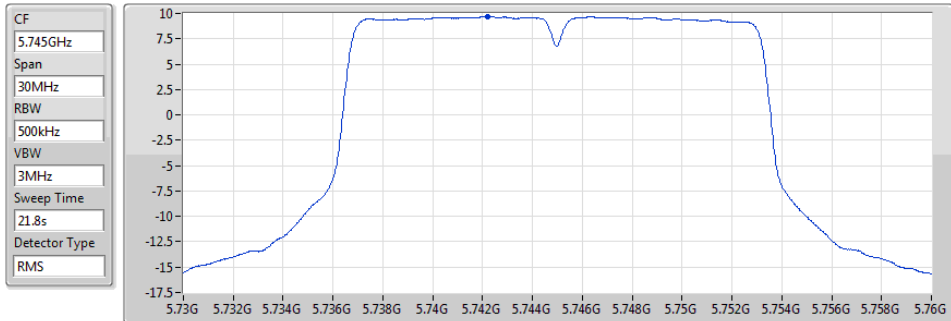
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.02	11.02	11.02

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

28/09/2019



Port 1

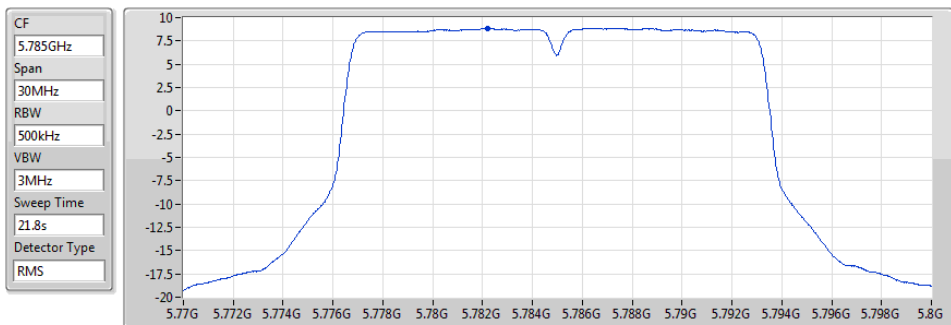
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.73	9.73	9.73

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

28/09/2019



Port 1

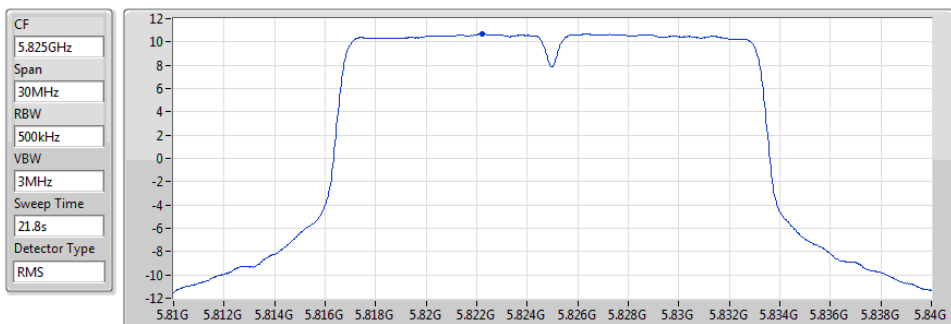
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.85	8.85	8.85

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

28/09/2019



Port 1

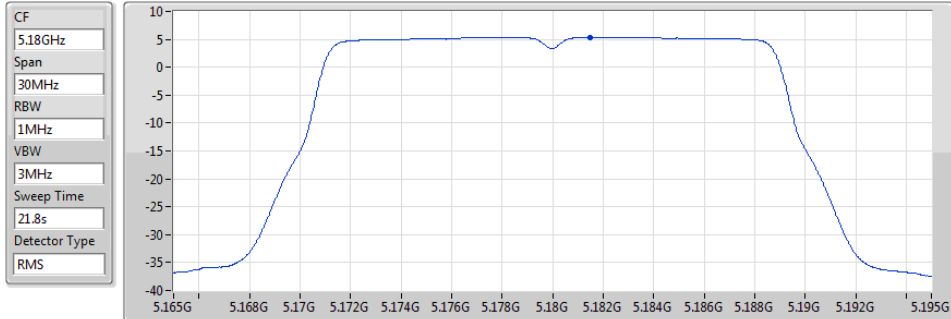
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.70	10.70	10.70

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

28/09/2019



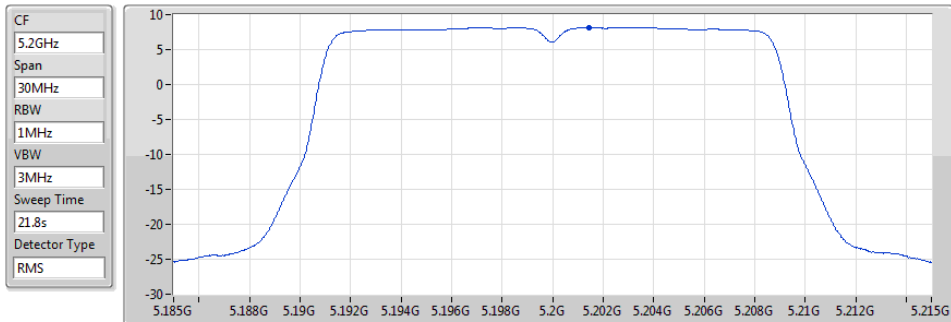
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.40	5.40	5.40

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

28/09/2019



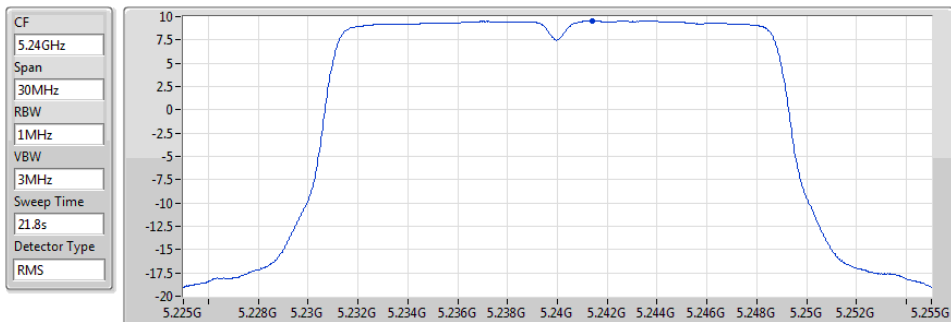
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.17	8.17	8.17

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

28/09/2019



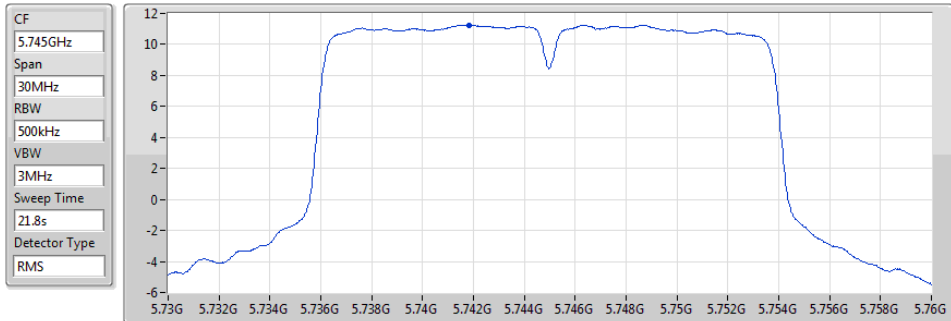
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.56	9.56	9.56

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

28/09/2019



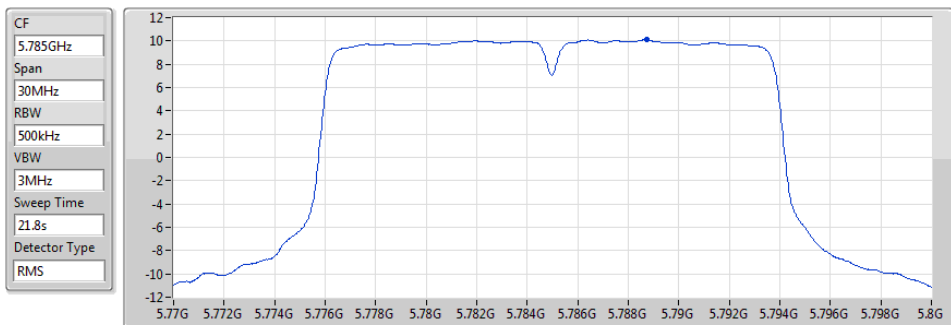
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.26	11.26	11.26

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

28/09/2019



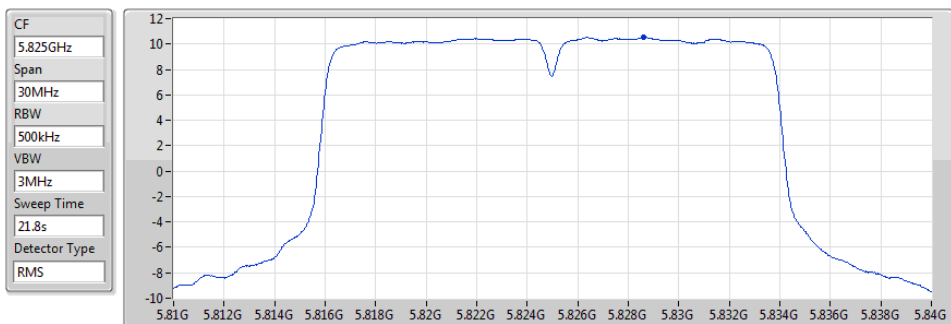
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.09	10.09	10.09

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

28/09/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	10.52

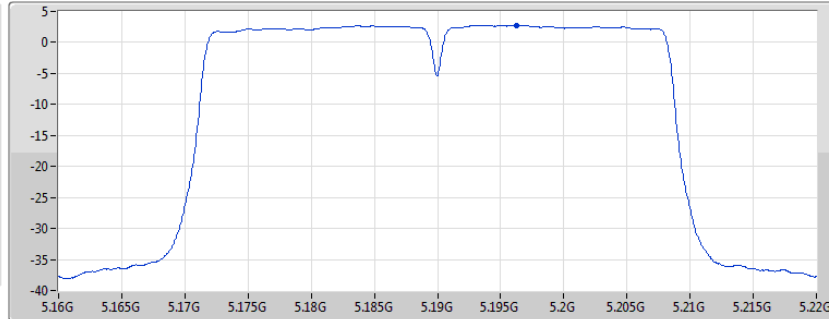
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

28/09/2019

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	2.78

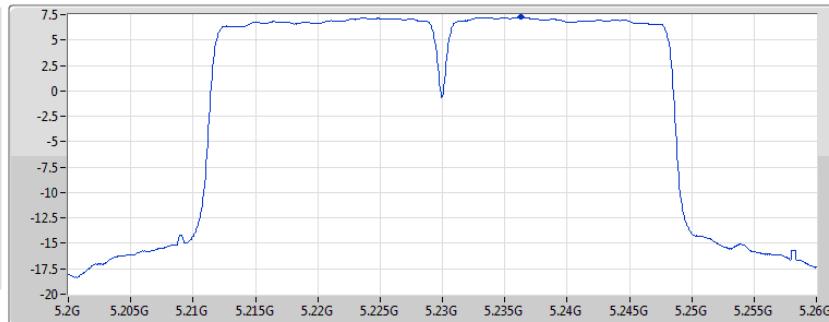
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

28/09/2019

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.29	7.29	7.29

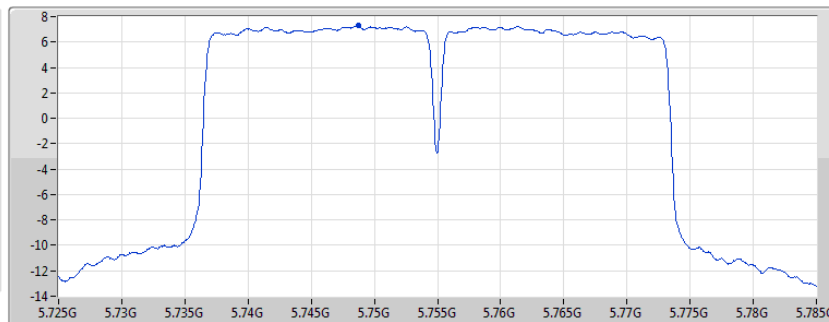
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

28/09/2019

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Port 1

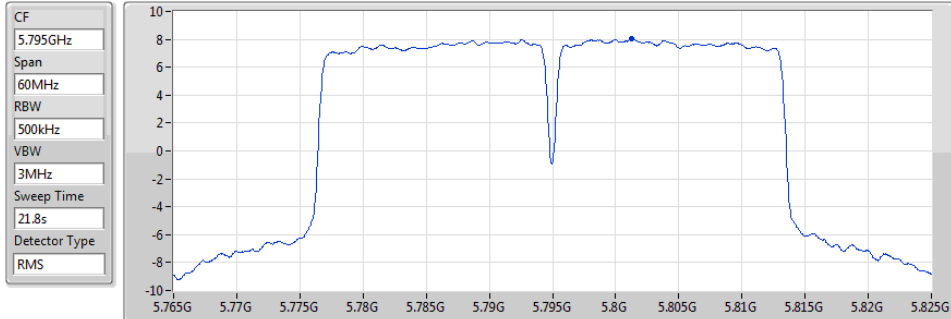
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.29	7.29	7.29

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

28/09/2019



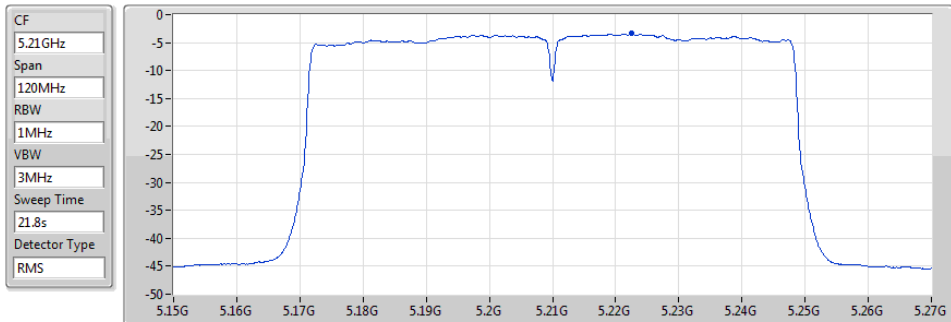
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05	8.05

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

28/09/2019



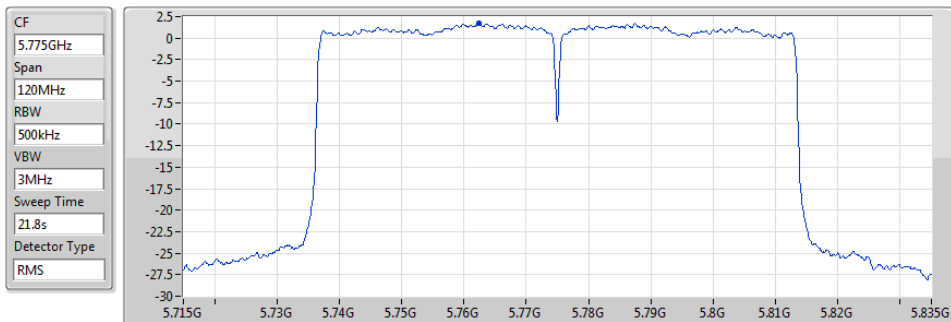
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.39	-3.39	-3.39

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

28/09/2019



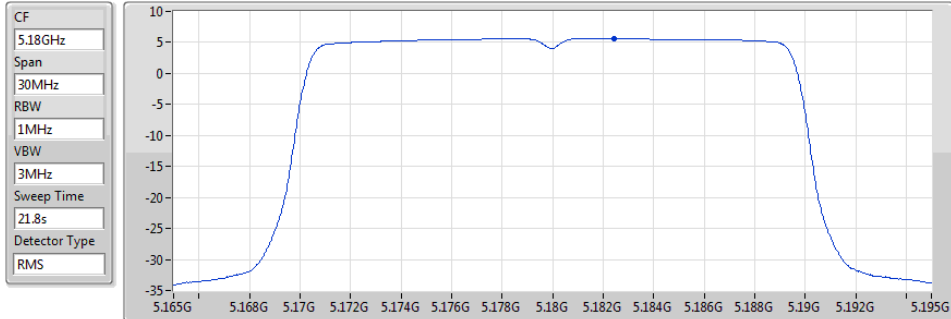
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.77	1.77	1.77

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

28/09/2019

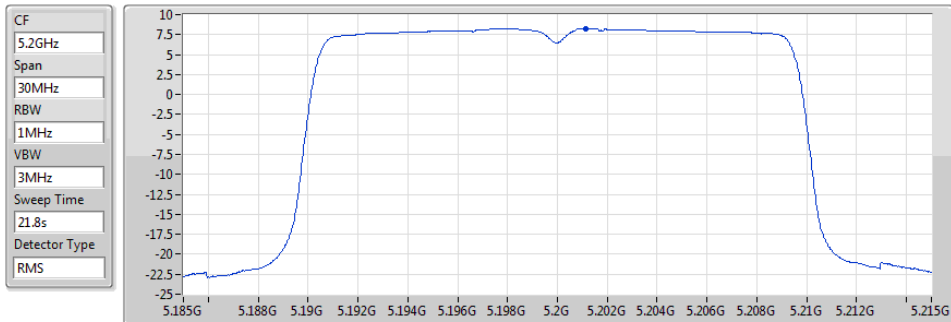


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

28/09/2019

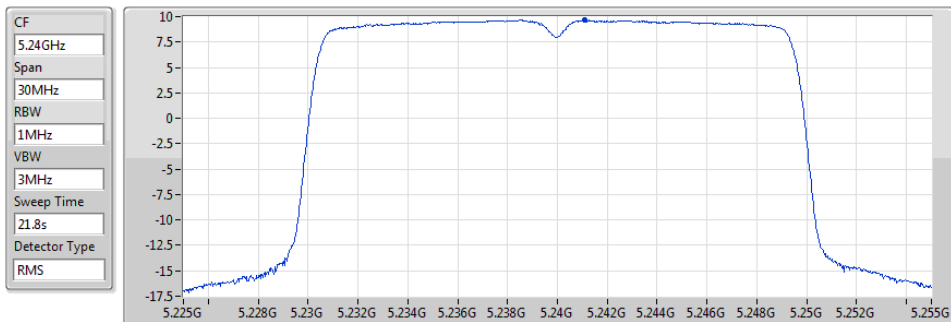


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

28/09/2019

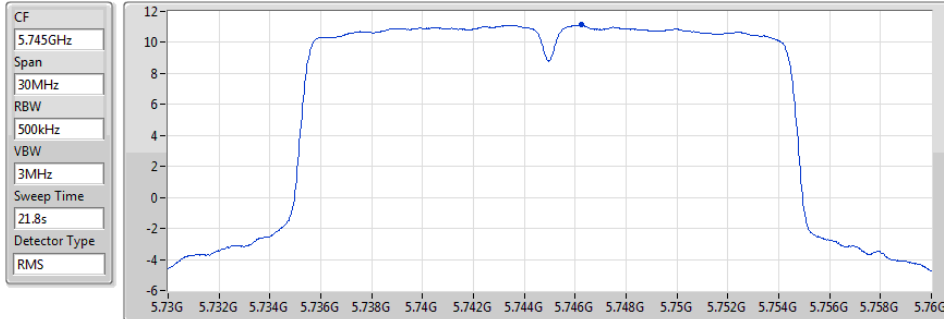


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

28/09/2019



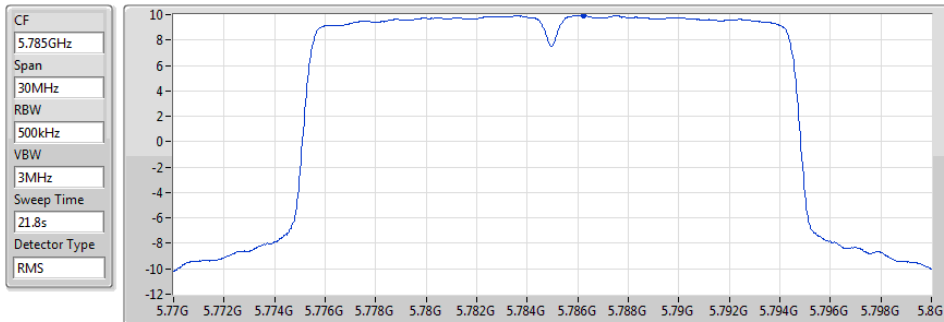
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.14	11.14	11.14

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

28/09/2019



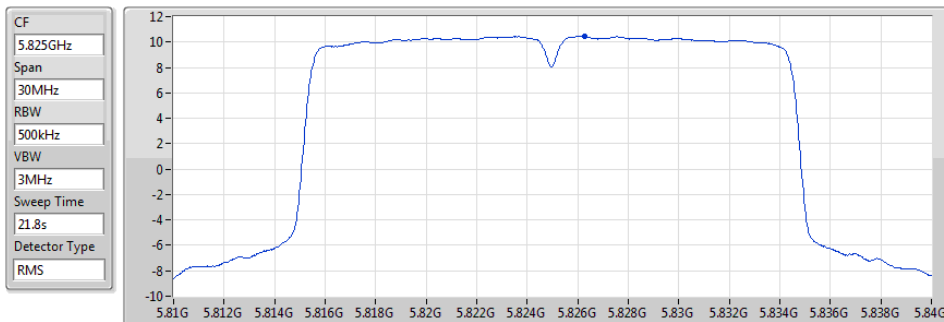
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.94	9.94	9.94

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

28/09/2019



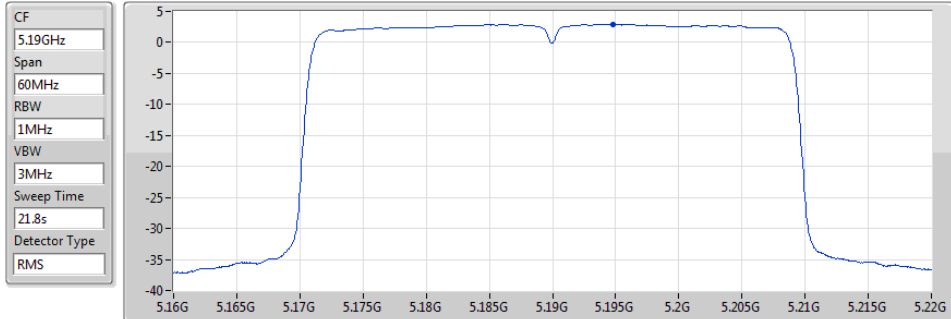
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.48	10.48	10.48

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

28/09/2019



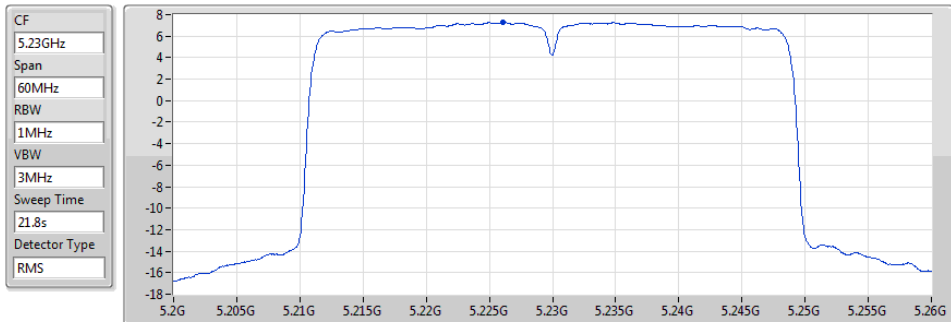
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	2.96

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

28/09/2019



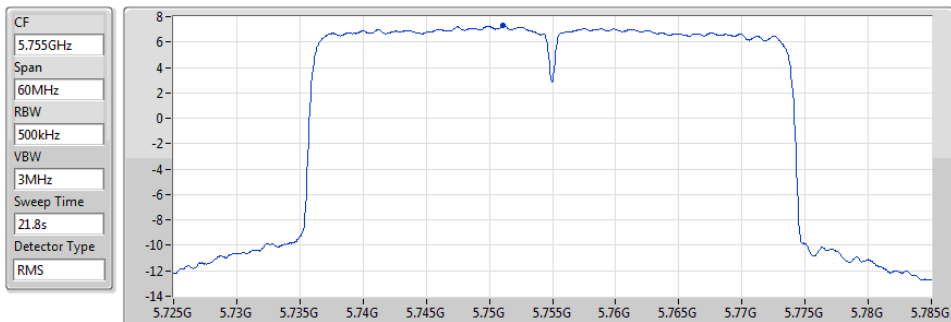
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	7.27

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

28/09/2019



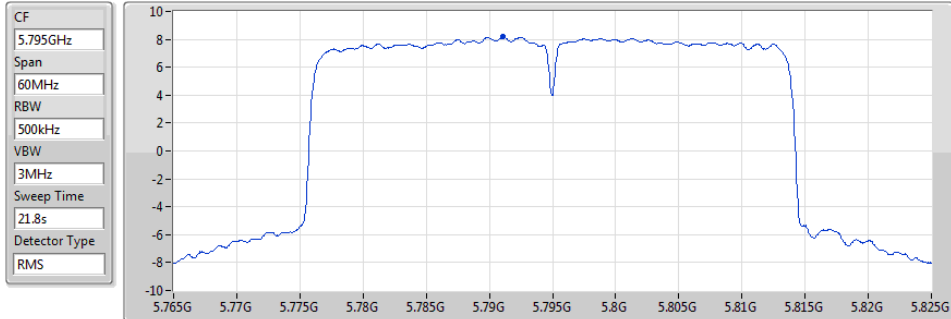
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	7.28

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

28/09/2019



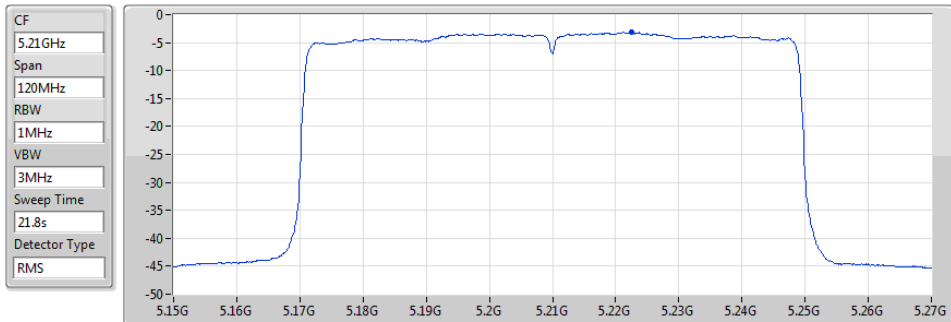
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.21	8.21	8.21

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

28/09/2019



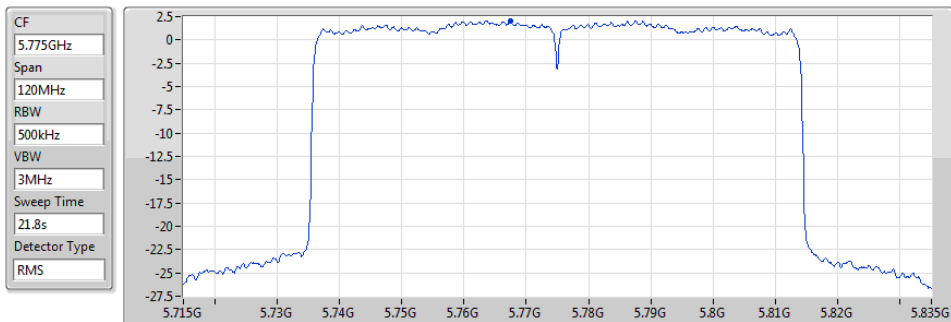
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.14	-3.14	-3.14

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

28/09/2019



Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.03	2.03	2.03

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.50	19.51
802.11ac VHT20_Nss2,(MCS0)_2TX	8.55	16.55
802.11ac VHT40_Nss2,(MCS0)_2TX	8.04	16.04
802.11ac VHT80_Nss2,(MCS0)_2TX	-4.60	3.40
802.11ax HEW20_Nss2,(MCS0)_2TX	8.86	16.86
802.11ax HEW40_Nss2,(MCS0)_2TX	8.01	16.01
802.11ax HEW80_Nss2,(MCS0)_2TX	-4.36	3.64
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.85	23.86
802.11ac VHT20_Nss2,(MCS0)_2TX	12.15	20.15
802.11ac VHT40_Nss2,(MCS0)_2TX	9.01	17.01
802.11ac VHT80_Nss2,(MCS0)_2TX	3.06	11.06
802.11ax HEW20_Nss2,(MCS0)_2TX	11.97	19.97
802.11ax HEW40_Nss2,(MCS0)_2TX	8.81	16.81
802.11ax HEW80_Nss2,(MCS0)_2TX	2.98	10.98

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.01	4.08	3.04	6.60	11.99	17.61	23.00
5200MHz	Pass	11.01	6.04	4.87	8.50	11.99	19.51	23.00
5240MHz	Pass	11.01	5.87	4.80	8.37	11.99	19.38	23.00
5745MHz	Pass	11.01	10.66	8.85	12.85	24.99	23.86	36.00
5785MHz	Pass	11.01	6.73	5.63	9.22	24.99	20.23	36.00
5825MHz	Pass	11.01	9.49	8.06	11.84	24.99	22.85	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	3.05	2.08	5.57	15.00	13.57	23.00
5200MHz	Pass	8.00	6.01	5.00	8.52	15.00	16.52	23.00
5240MHz	Pass	8.00	6.12	4.94	8.55	15.00	16.55	23.00
5745MHz	Pass	8.00	9.83	8.06	12.02	28.00	20.02	36.00
5785MHz	Pass	8.00	9.56	7.82	11.73	28.00	19.73	36.00
5825MHz	Pass	8.00	9.97	8.19	12.15	28.00	20.15	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	1.09	0.19	3.61	15.00	11.61	23.00
5230MHz	Pass	8.00	5.77	4.30	8.04	15.00	16.04	23.00
5755MHz	Pass	8.00	6.83	5.06	9.01	28.00	17.01	36.00
5795MHz	Pass	8.00	6.66	5.22	8.96	28.00	16.96	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-7.11	-8.00	-4.60	15.00	3.40	23.00
5775MHz	Pass	8.00	0.60	-0.58	3.06	28.00	11.06	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	3.43	2.43	5.97	15.00	13.97	23.00
5200MHz	Pass	8.00	6.41	5.20	8.86	15.00	16.86	23.00
5240MHz	Pass	8.00	6.35	5.17	8.80	15.00	16.80	23.00
5745MHz	Pass	8.00	9.76	7.99	11.97	28.00	19.97	36.00
5785MHz	Pass	8.00	9.24	7.63	11.50	28.00	19.50	36.00
5825MHz	Pass	8.00	9.66	8.03	11.93	28.00	19.93	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	0.96	0.13	3.56	15.00	11.56	23.00
5230MHz	Pass	8.00	5.61	4.31	8.01	15.00	16.01	23.00
5755MHz	Pass	8.00	6.61	5.00	8.81	28.00	16.81	36.00
5795MHz	Pass	8.00	6.51	5.01	8.75	28.00	16.75	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-6.91	-7.87	-4.36	15.00	3.64	23.00
5775MHz	Pass	8.00	0.73	-0.91	2.98	28.00	10.98	36.00

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

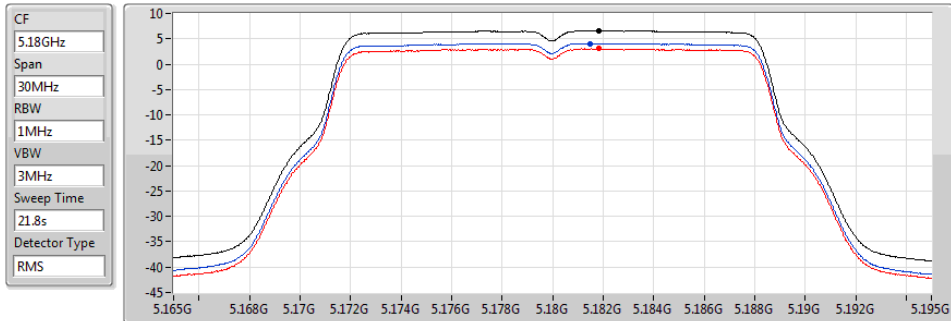
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

28/09/2019



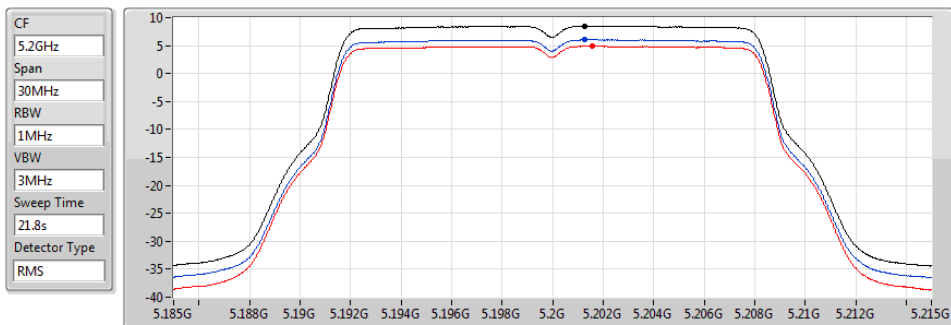
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.60	6.60	4.08	3.04

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

28/09/2019



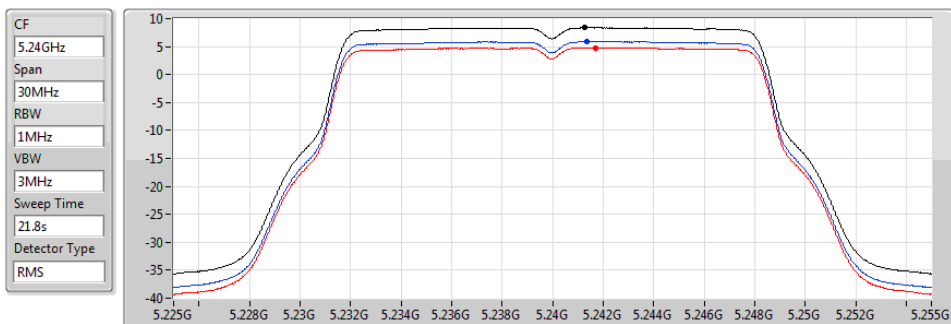
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.50	8.50	6.04	4.87

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

28/09/2019



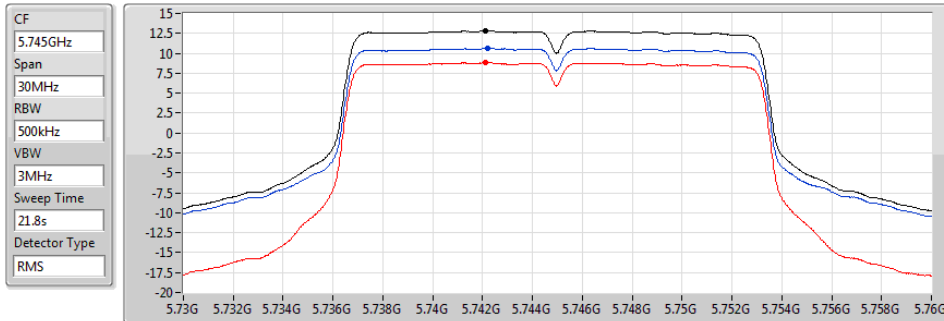
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.37	8.37	5.87	4.80

802.11a_Nss1,(6Mbps)_2TX

5745MHz

PSD

28/09/2019



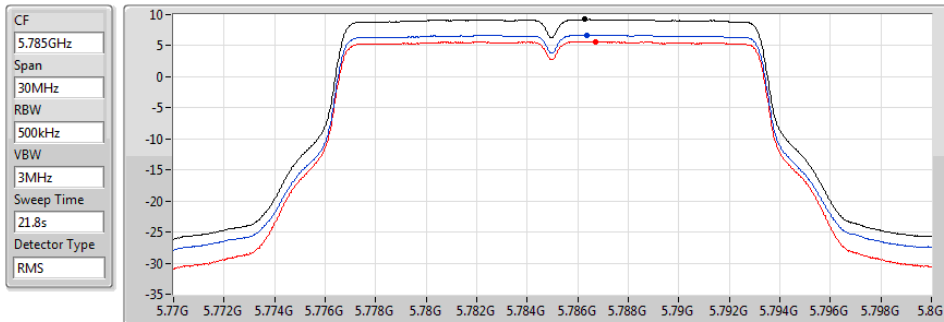
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.85	12.85	10.66	8.85

802.11a_Nss1,(6Mbps)_2TX

5785MHz

PSD

28/09/2019



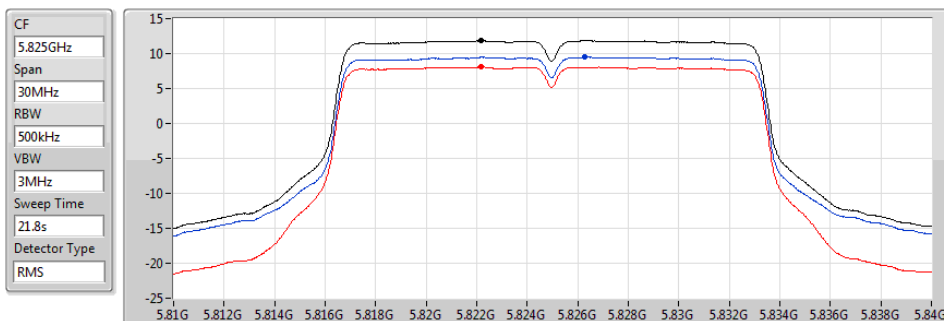
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.22	9.22	6.73	5.63

802.11a_Nss1,(6Mbps)_2TX

5825MHz

PSD

28/09/2019



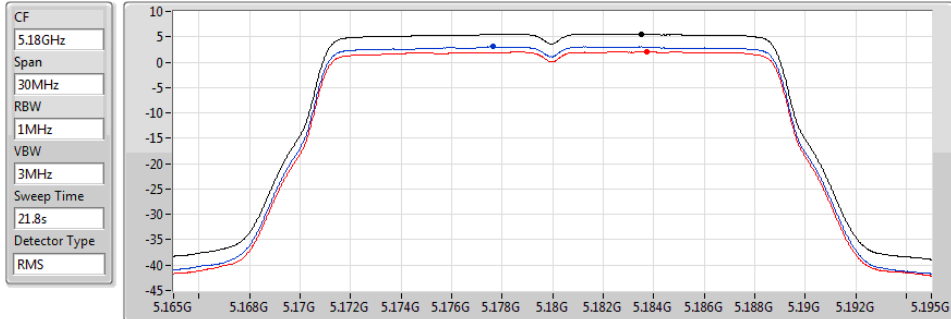
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.84	11.84	9.49	8.06

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5180MHz

28/09/2019



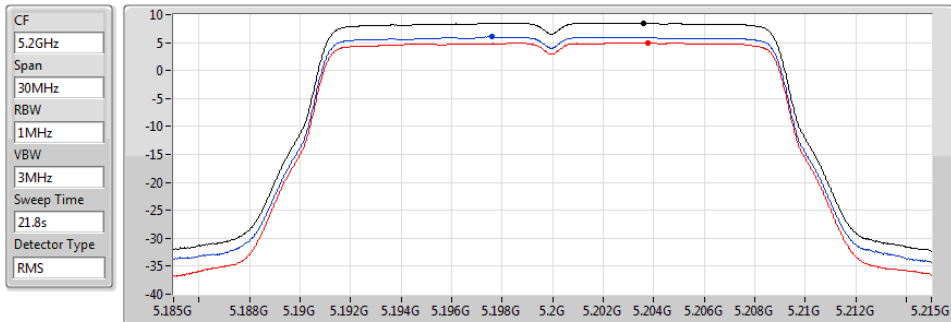
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.57	5.57	3.05	2.08

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5200MHz

28/09/2019



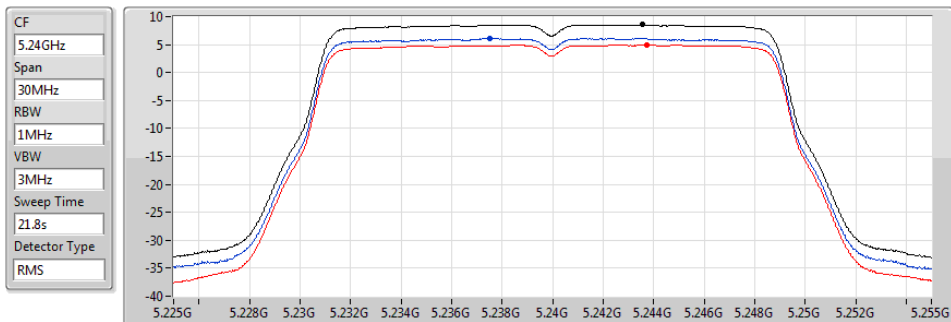
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.52	8.52	6.01	5.00

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

28/09/2019



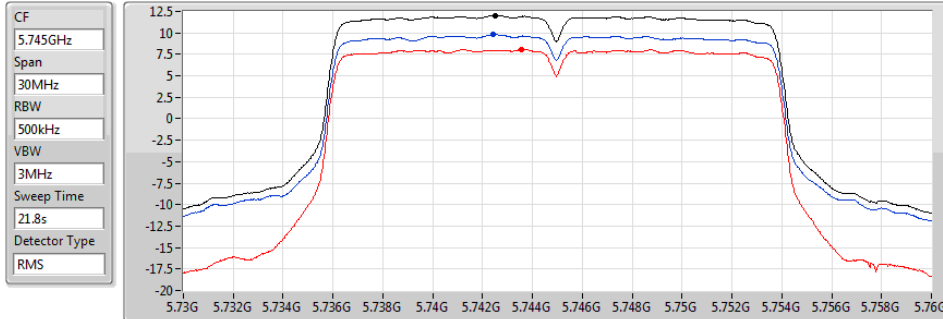
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.55	8.55	6.12	4.94

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

28/09/2019



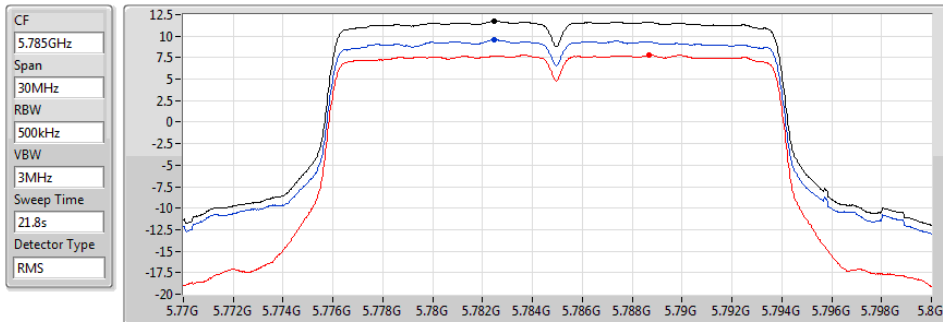
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.02	12.02	9.83	8.06

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

28/09/2019



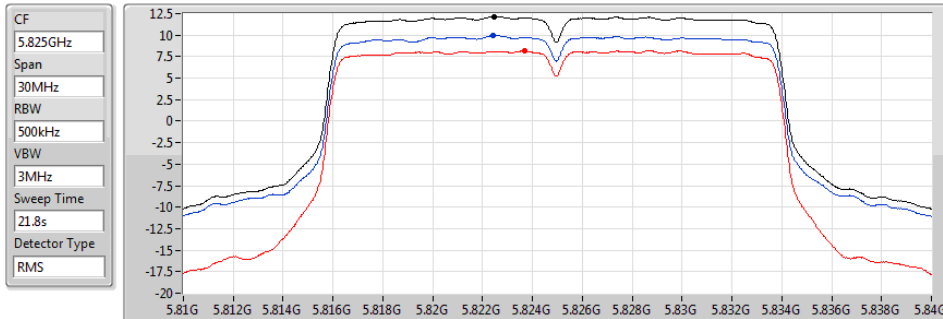
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.73	11.73	9.56	7.82

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5825MHz

28/09/2019



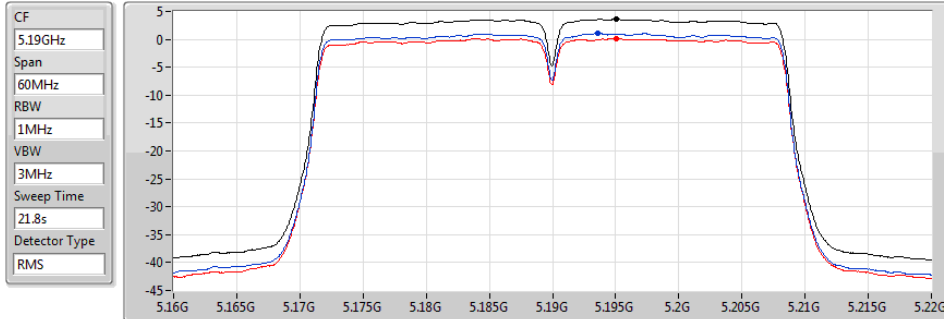
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.15	12.15	9.97	8.19

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5190MHz

28/09/2019



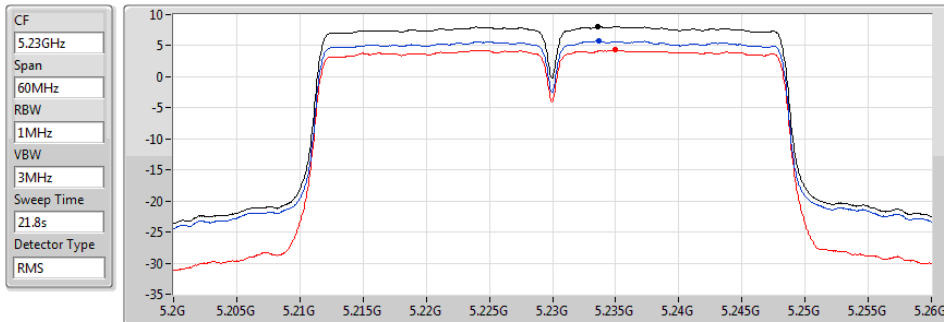
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.61	3.61	1.09	0.19

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

28/09/2019



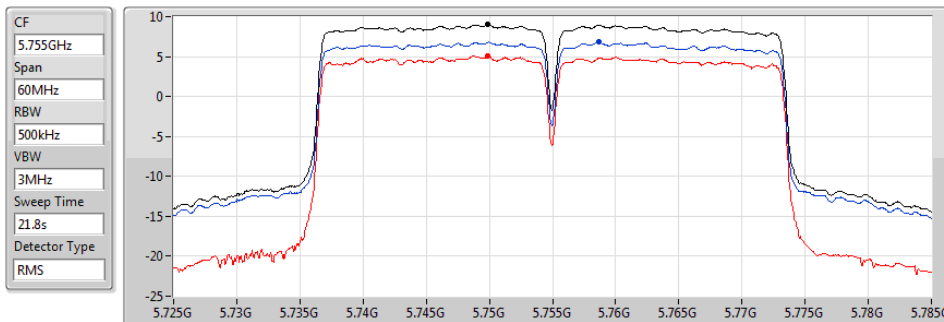
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.04	8.04	5.77	4.30

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

28/09/2019



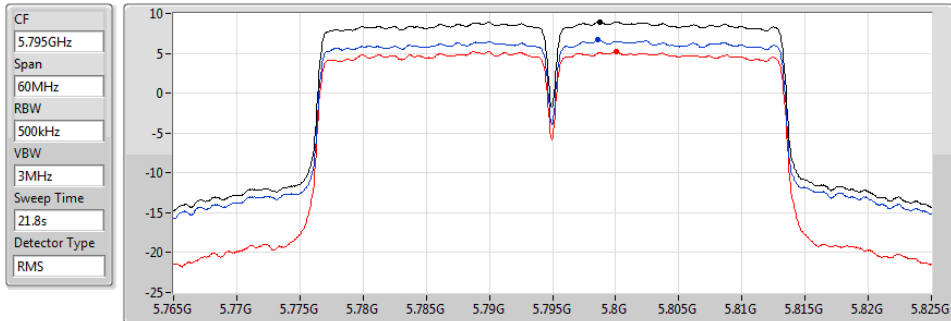
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.01	9.01	6.83	5.06

802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

28/09/2019



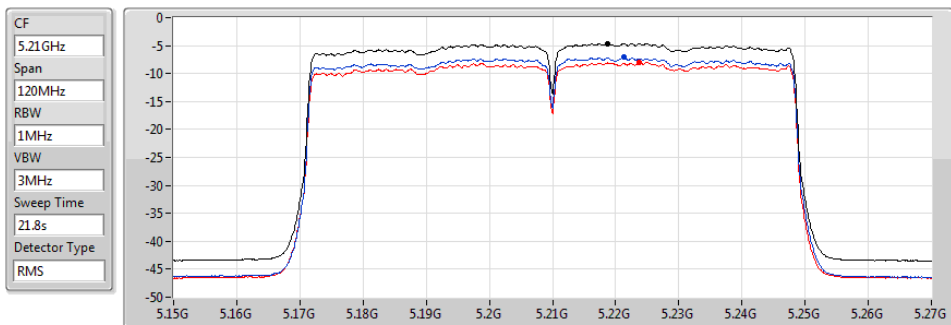
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.96	8.96	6.66	5.22

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

28/09/2019



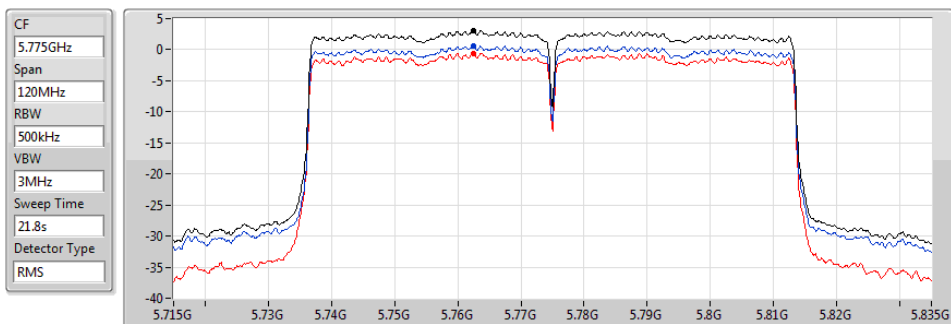
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.60	-4.60	-7.11	-8.00

802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

28/09/2019



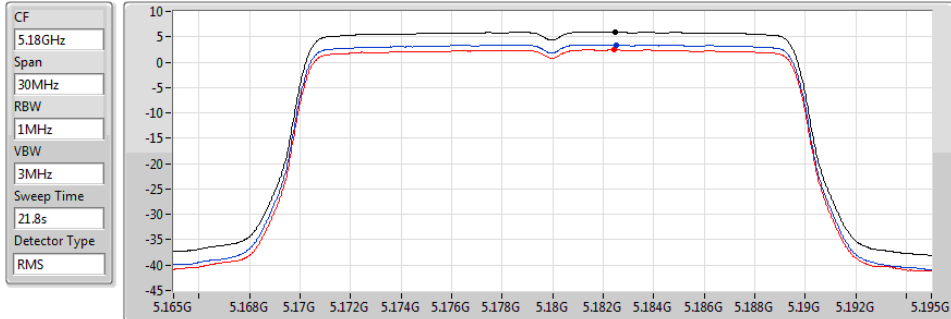
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.06	3.06	0.60	-0.58

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

28/09/2019



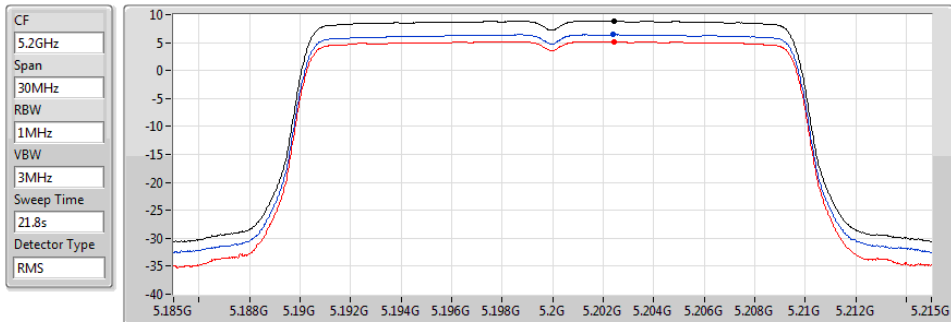
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.97	5.97	3.43	2.43

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

28/09/2019



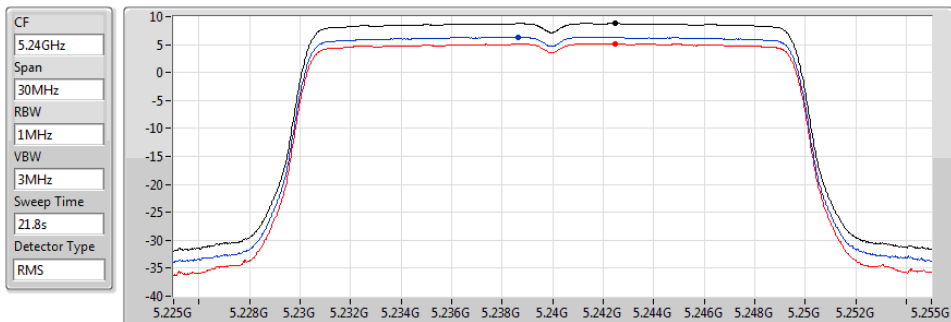
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	6.41	5.20

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

28/09/2019



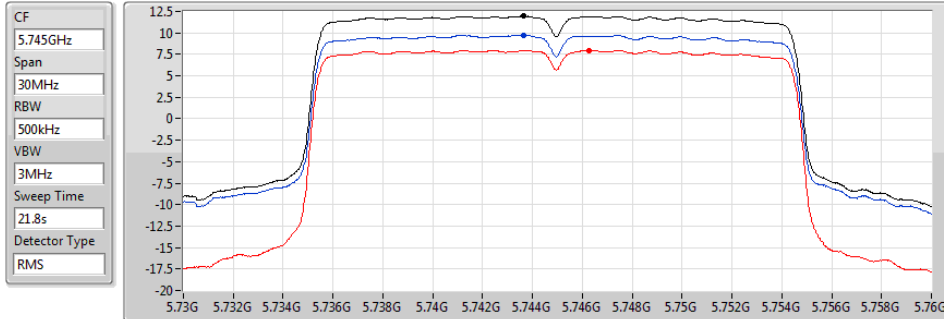
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.80	8.80	6.35	5.17

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

28/09/2019



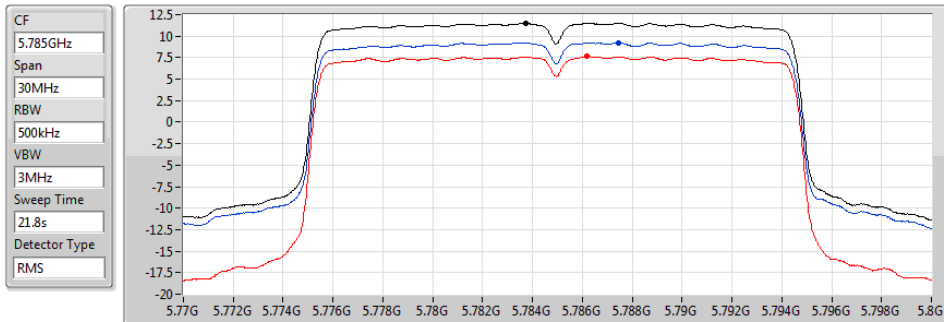
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.97	11.97	9.76	7.99

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

28/09/2019



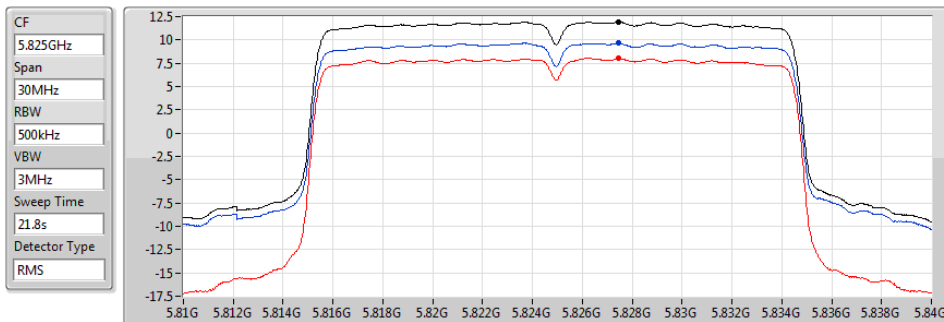
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.50	11.50	9.24	7.63

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

28/09/2019



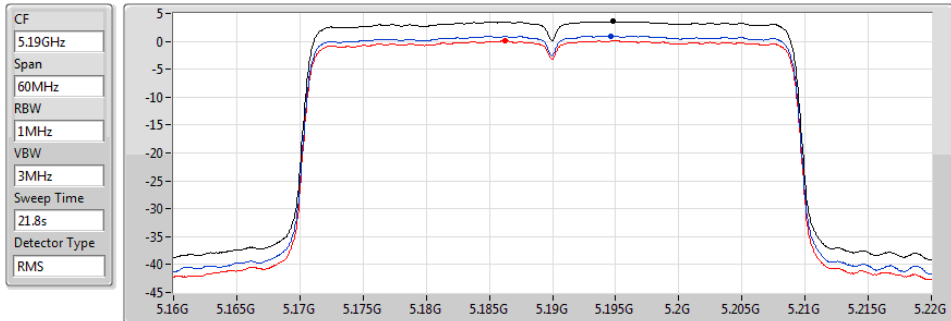
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.93	11.93	9.66	8.03

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

28/09/2019



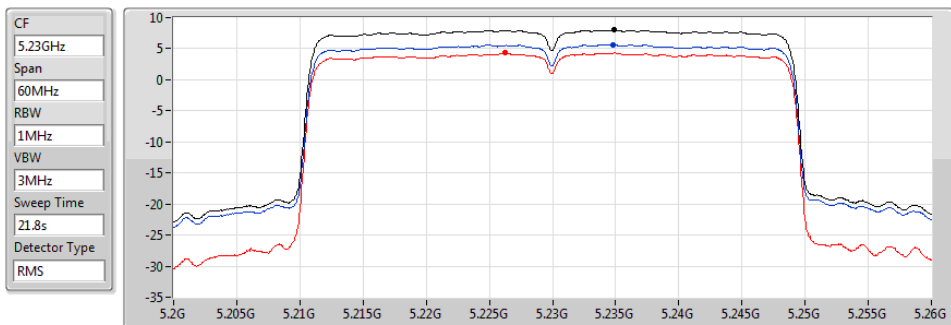
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.56	3.56	0.96	0.13

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

28/09/2019



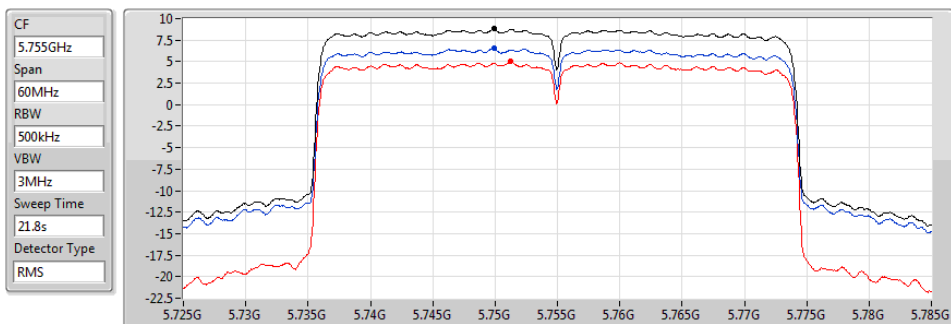
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.01	8.01	5.61	4.31

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

28/09/2019



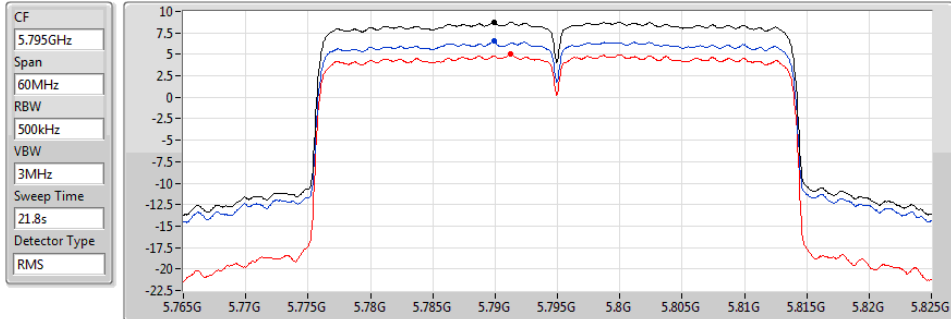
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.81	8.81	6.61	5.00

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

28/09/2019



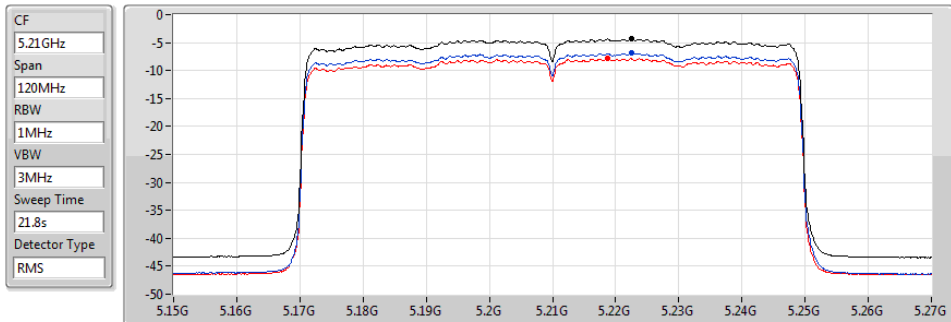
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.75	8.75	6.51	5.01

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

28/09/2019



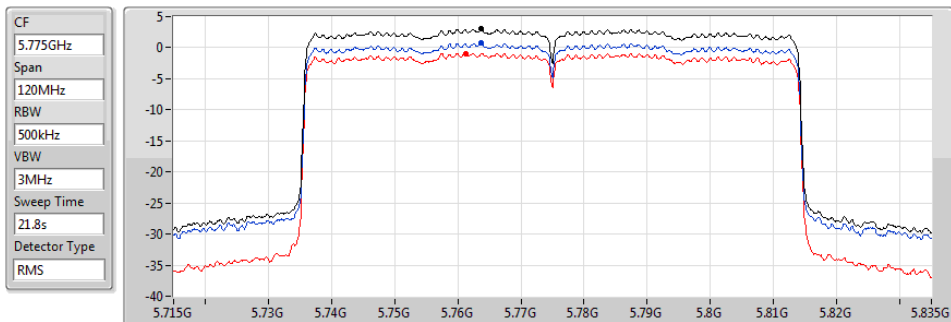
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.36	-4.36	-6.91	-7.87

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

28/09/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.98	2.98	0.73	-0.91



PSD_
Non-Beamforming_outdoor_Sample 2_Radio 3_Panel 1_1T1S Appendix D.17

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-1.18	9.52
802.11ac VHT20_Nss1,(MCS0)_1TX	-1.04	9.66
802.11ac VHT40_Nss1,(MCS0)_1TX	-3.63	7.07
802.11ac VHT80_Nss1,(MCS0)_1TX	-6.52	4.18
802.11ax HEW20_Nss1,(MCS0)_1TX	-1.04	9.66
802.11ax HEW40_Nss1,(MCS0)_1TX	-3.78	6.92
802.11ax HEW80_Nss1,(MCS0)_1TX	-6.49	4.21
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.19	20.89
802.11ac VHT20_Nss1,(MCS0)_1TX	10.07	20.77
802.11ac VHT40_Nss1,(MCS0)_1TX	7.21	17.91
802.11ac VHT80_Nss1,(MCS0)_1TX	0.69	11.39
802.11ax HEW20_Nss1,(MCS0)_1TX	9.78	20.48
802.11ax HEW40_Nss1,(MCS0)_1TX	7.02	17.72
802.11ax HEW80_Nss1,(MCS0)_1TX	0.49	11.19

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-1.19	-1.19	12.30	9.51	23.00
5200MHz	Pass	10.70	-1.27	-1.27	12.30	9.43	23.00
5240MHz	Pass	10.70	-1.18	-1.18	12.30	9.52	23.00
5745MHz	Pass	10.70	9.65	9.65	25.30	20.35	36.00
5785MHz	Pass	10.70	9.94	9.94	25.30	20.64	36.00
5825MHz	Pass	10.70	10.19	10.19	25.30	20.89	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-1.09	-1.09	12.30	9.61	23.00
5200MHz	Pass	10.70	-1.04	-1.04	12.30	9.66	23.00
5240MHz	Pass	10.70	-1.08	-1.08	12.30	9.62	23.00
5745MHz	Pass	10.70	9.86	9.86	25.30	20.56	36.00
5785MHz	Pass	10.70	10.07	10.07	25.30	20.77	36.00
5825MHz	Pass	10.70	9.92	9.92	25.30	20.62	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-3.72	-3.72	12.30	6.98	23.00
5230MHz	Pass	10.70	-3.63	-3.63	12.30	7.07	23.00
5755MHz	Pass	10.70	7.21	7.21	25.30	17.91	36.00
5795MHz	Pass	10.70	7.02	7.02	25.30	17.72	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-6.52	-6.52	12.30	4.18	23.00
5775MHz	Pass	10.70	0.69	0.69	25.30	11.39	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	-1.09	-1.09	12.30	9.61	23.00
5200MHz	Pass	10.70	-1.04	-1.04	12.30	9.66	23.00
5240MHz	Pass	10.70	-1.11	-1.11	12.30	9.59	23.00
5745MHz	Pass	10.70	9.38	9.38	25.30	20.08	36.00
5785MHz	Pass	10.70	9.78	9.78	25.30	20.48	36.00
5825MHz	Pass	10.70	9.56	9.56	25.30	20.26	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-3.87	-3.87	12.30	6.83	23.00
5230MHz	Pass	10.70	-3.78	-3.78	12.30	6.92	23.00
5755MHz	Pass	10.70	7.02	7.02	25.30	17.72	36.00
5795MHz	Pass	10.70	6.76	6.76	25.30	17.46	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-6.49	-6.49	12.30	4.21	23.00
5775MHz	Pass	10.70	0.49	0.49	25.30	11.19	36.00

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

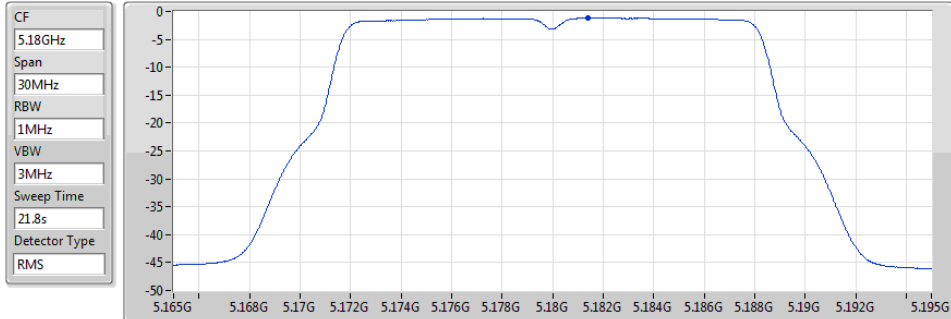
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

28/09/2019



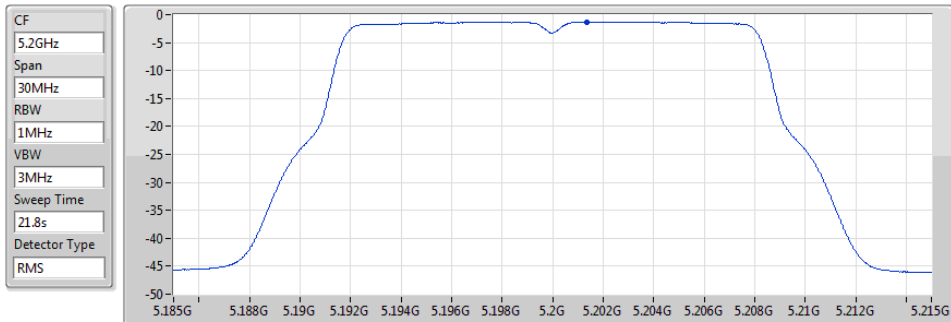
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.19	-1.19	-1.19

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

28/09/2019



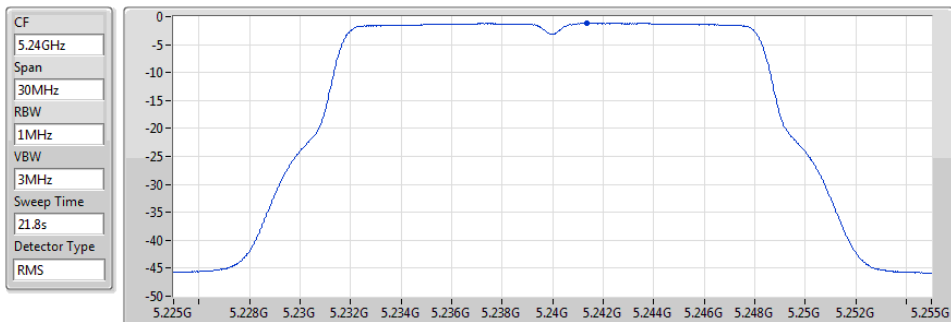
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.27	-1.27	-1.27

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

28/09/2019



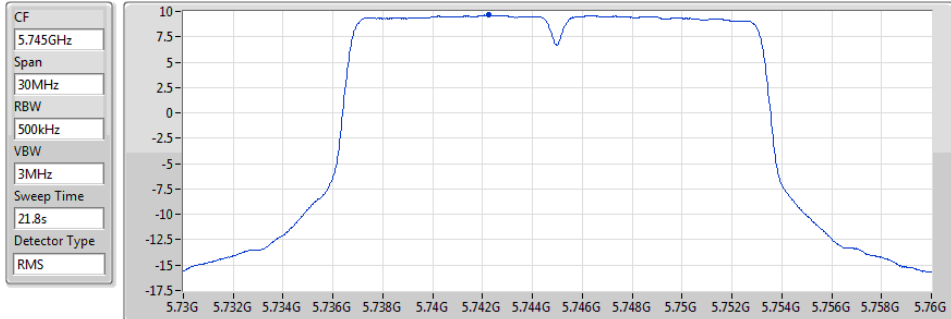
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.18	-1.18	-1.18

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

28/09/2019



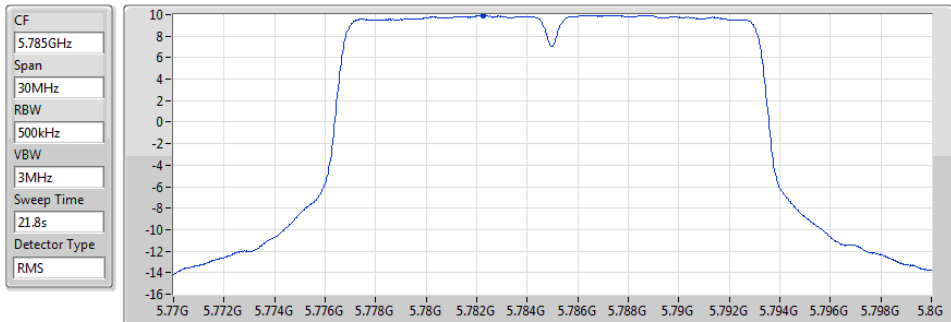
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.65	9.65	9.65

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

28/09/2019



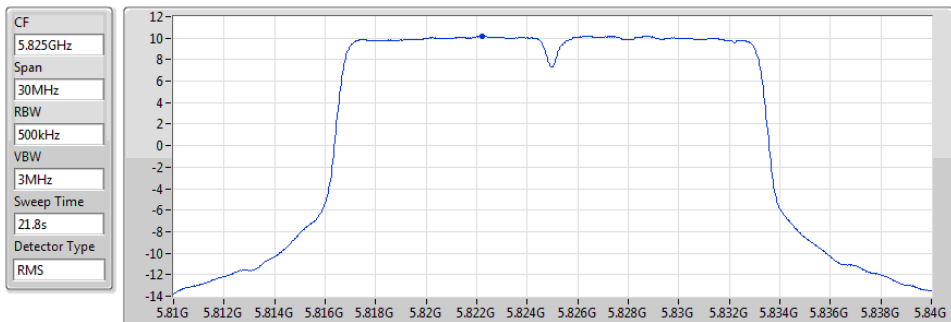
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.94	9.94	9.94

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

28/09/2019



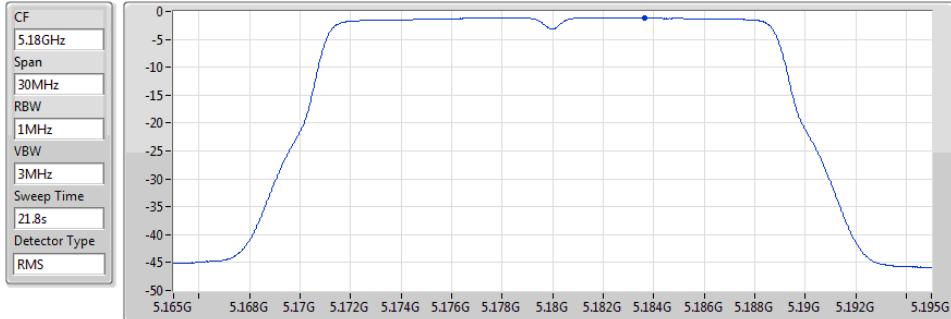
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.19	10.19	10.19

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

28/09/2019



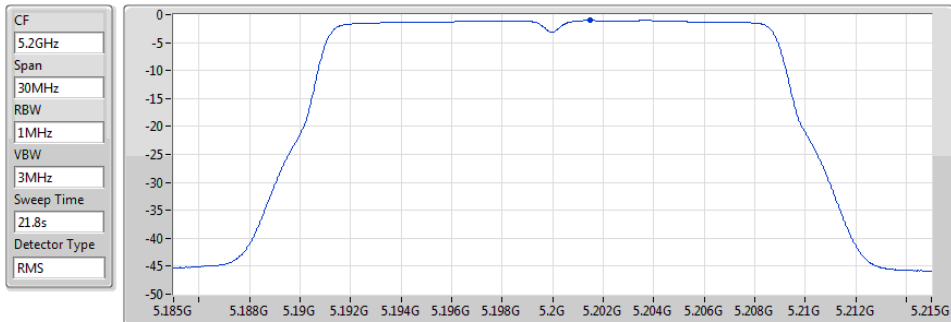
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.09	-1.09	-1.09

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

28/09/2019



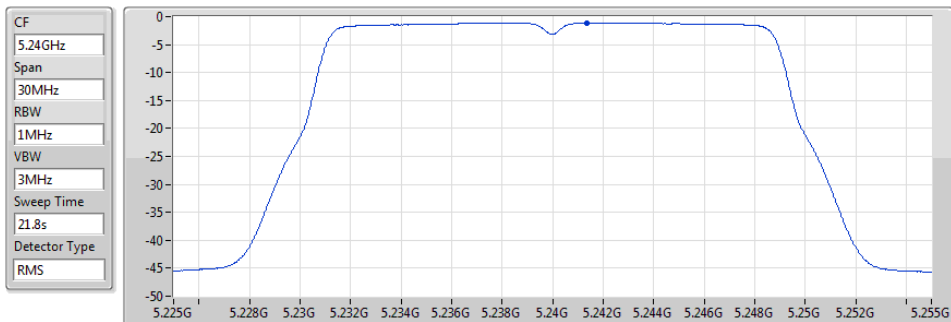
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.04	-1.04	-1.04

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

28/09/2019



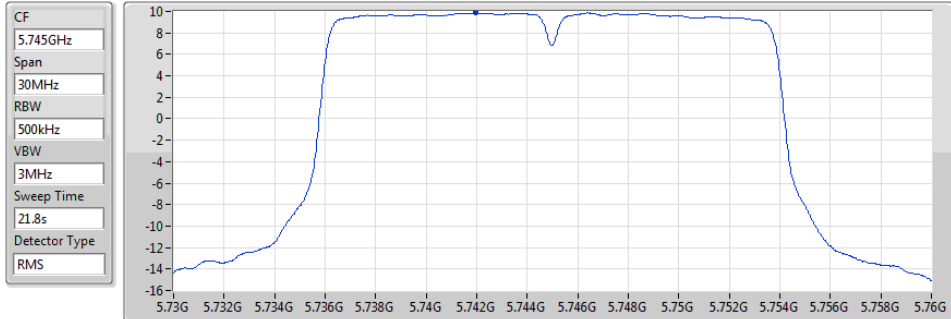
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.08	-1.08	-1.08

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

28/09/2019



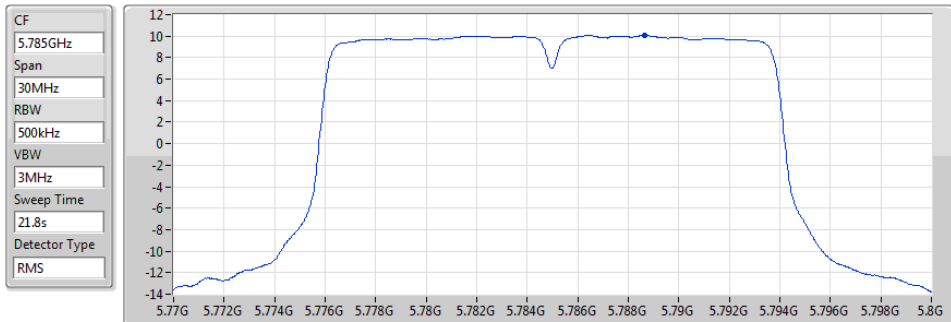
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.86	9.86	9.86

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

28/09/2019



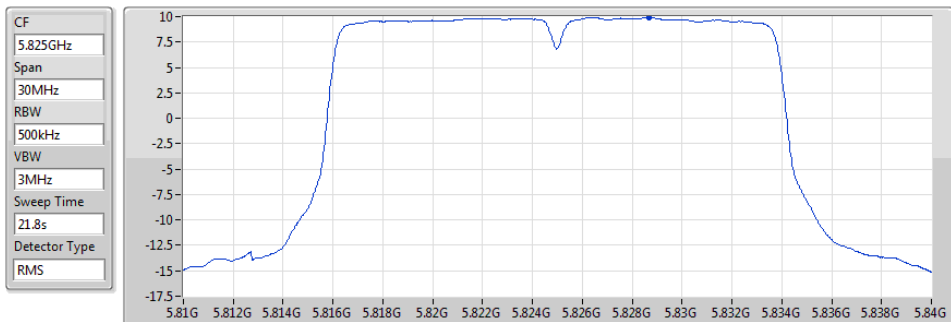
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.07	10.07	10.07

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

28/09/2019



Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.92	9.92	9.92