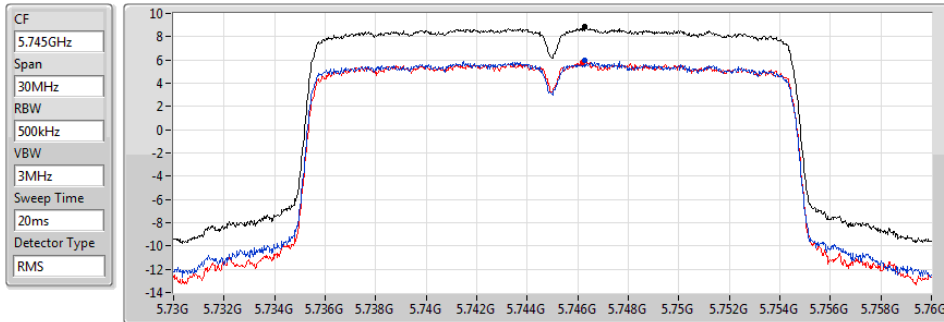


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

28/01/2019



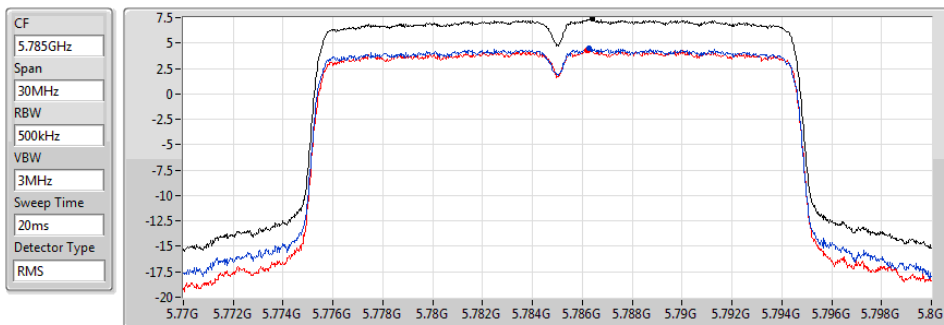
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.84	8.84	5.94	5.82

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

28/01/2019



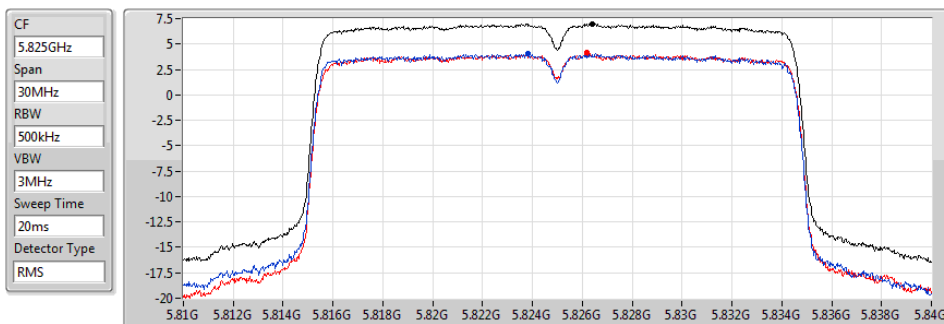
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.34	7.34	4.44	4.27

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

28/01/2019



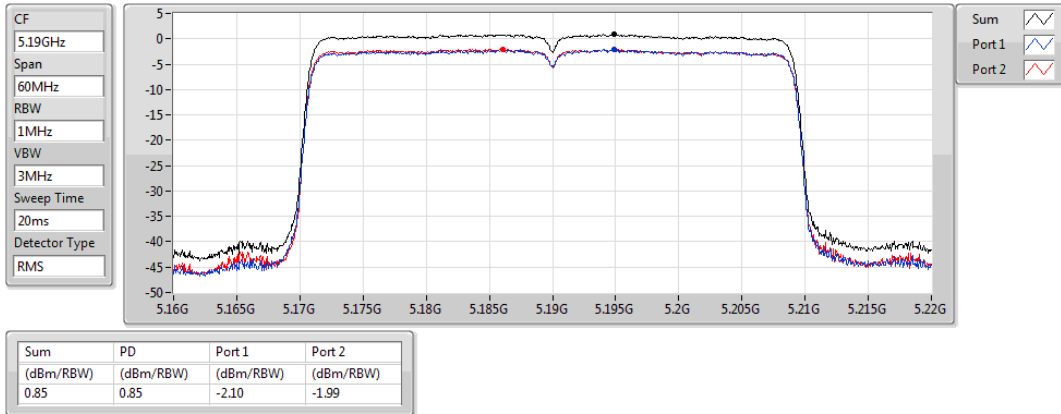
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.98	6.98	4.10	4.12

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

28/01/2019



802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

28/01/2019

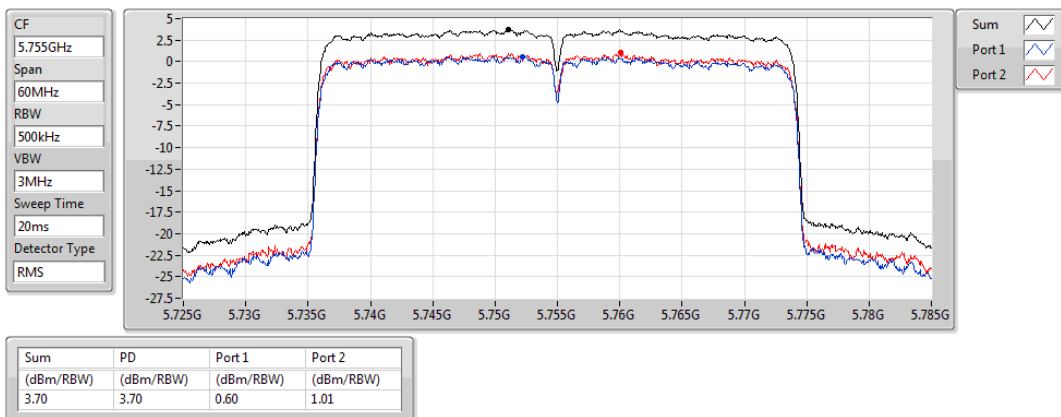


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

28/01/2019



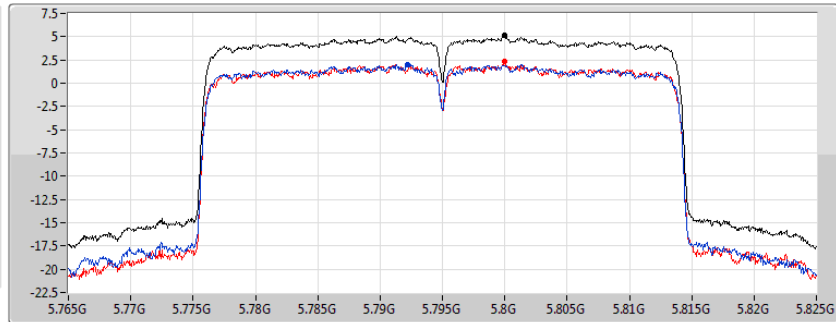
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

28/01/2019

CF
5.795GHz
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)
5.11	5.11	2.05	2.35

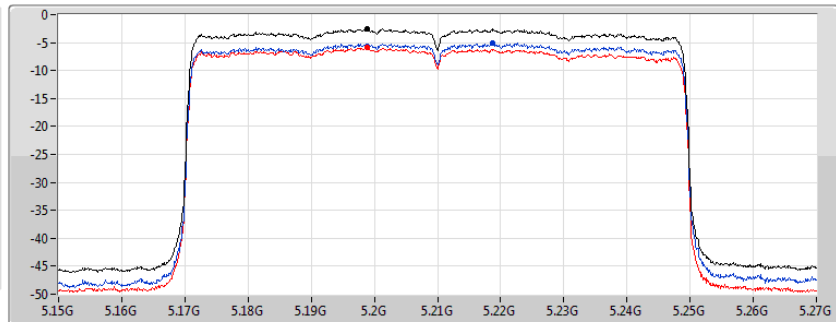
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

28/01/2019

CF
5.21GHz
Span
120MHz
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)
-2.49	-2.49	-5.02	-5.81

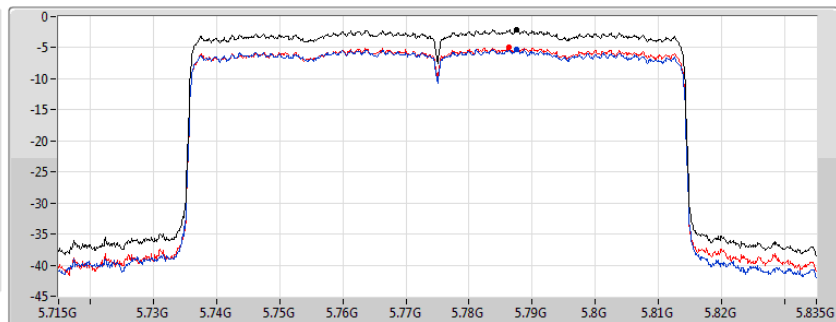
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

28/01/2019

CF
5.775GHz
Span
120MHz
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)
-2.08	-2.08	-5.21	-4.97

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.92
802.11ax HEW20_Nss1,(MCS0)_4TX	10.90
802.11ax HEW40_Nss1,(MCS0)_4TX	6.26
802.11ax HEW80_Nss1,(MCS0)_4TX	-1.23
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.29
802.11ax HEW20_Nss1,(MCS0)_4TX	11.36
802.11ax HEW40_Nss1,(MCS0)_4TX	6.94
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.13

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.23	0.50	0.83	0.58	6.68	10.98
5200MHz	Pass	12.02	4.89	5.11	5.09	4.43	10.78	10.98
5240MHz	Pass	12.02	5.29	4.90	5.21	4.61	10.92	10.98
5745MHz	Pass	12.02	6.48	6.28	6.40	6.38	12.29	23.98
5785MHz	Pass	12.02	5.54	5.56	5.69	5.95	11.52	23.98
5825MHz	Pass	12.02	4.52	4.46	4.93	4.51	10.44	23.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.35	1.29	1.33	0.78	7.15	10.98
5200MHz	Pass	12.02	4.97	4.97	5.18	4.83	10.90	10.98
5240MHz	Pass	12.02	5.02	4.67	5.32	4.70	10.87	10.98
5745MHz	Pass	12.02	5.51	5.41	5.30	5.51	11.36	23.98
5785MHz	Pass	12.02	4.57	4.82	5.08	5.09	10.79	23.98
5825MHz	Pass	12.02	4.03	4.12	4.34	4.01	9.99	23.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.59	-4.10	-3.85	-4.37	1.97	10.98
5230MHz	Pass	12.02	0.44	0.18	0.50	0.25	6.26	10.98
5755MHz	Pass	12.02	-0.29	-0.31	-0.01	0.23	5.81	23.98
5795MHz	Pass	12.02	0.88	1.18	1.13	1.14	6.94	23.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-6.83	-7.46	-6.77	-7.56	-1.23	10.98
5775MHz	Pass	12.02	-6.21	-5.93	-5.84	-6.11	-0.13	23.98

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

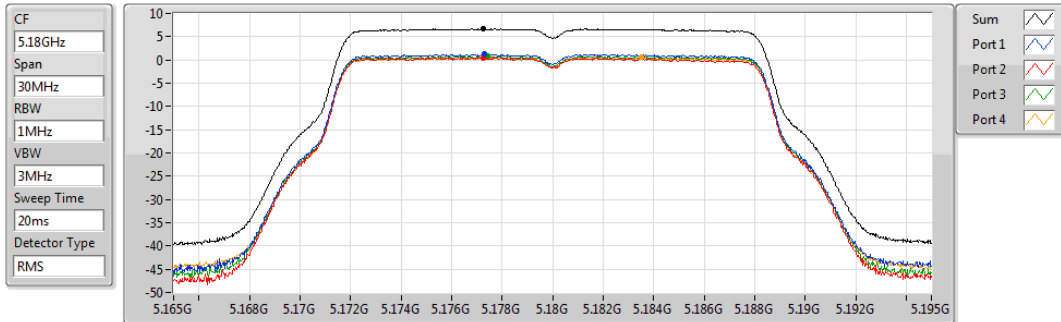
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

28/01/2019



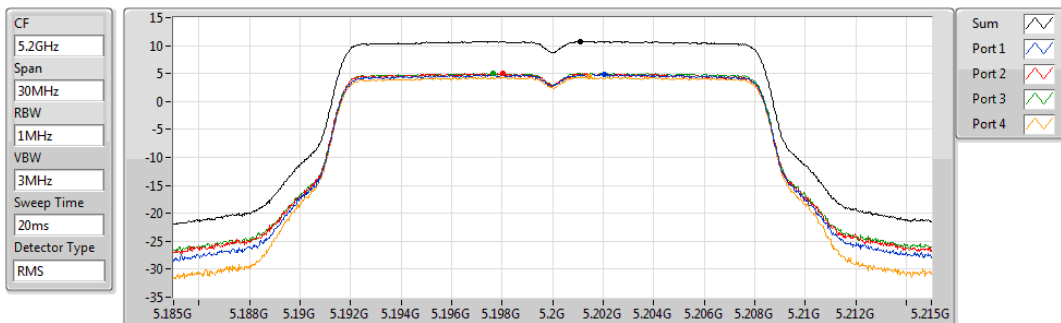
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.68	6.68	1.23	0.50	0.83	0.58

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

28/01/2019



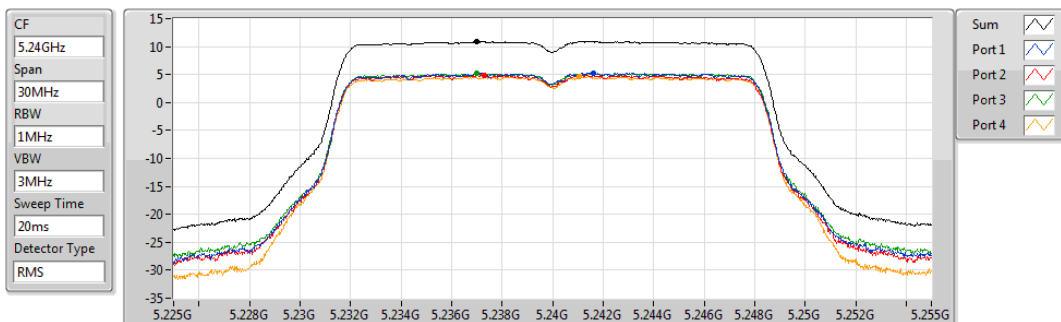
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.78	10.78	4.89	5.11	5.09	4.43

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

28/01/2019



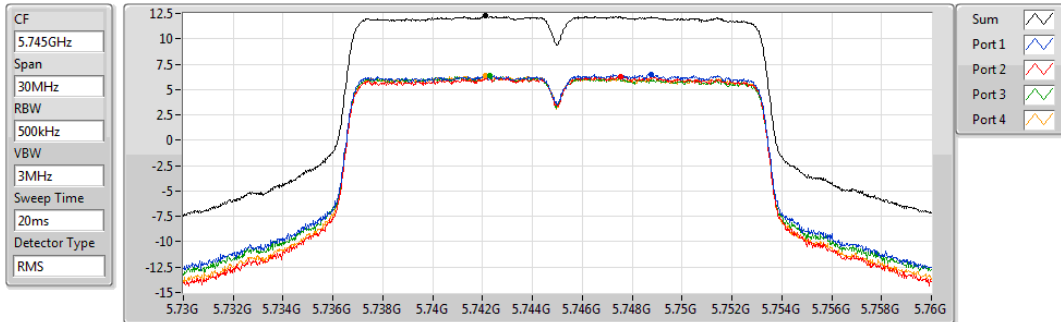
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.92	10.92	5.29	4.90	5.21	4.61

802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

28/01/2019



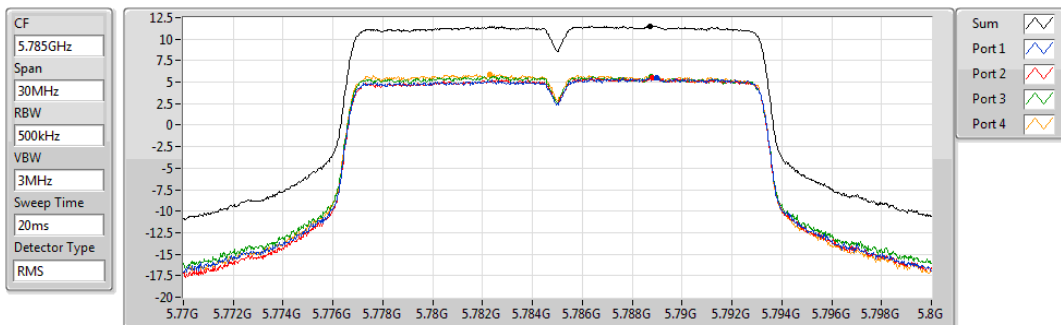
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.29	12.29	6.48	6.28	6.40	6.38

802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

28/01/2019



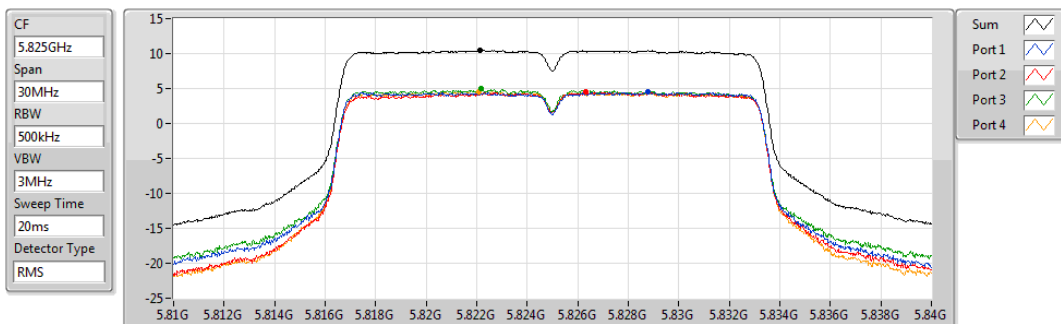
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.52	11.52	5.54	5.56	5.69	5.95

802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

28/01/2019



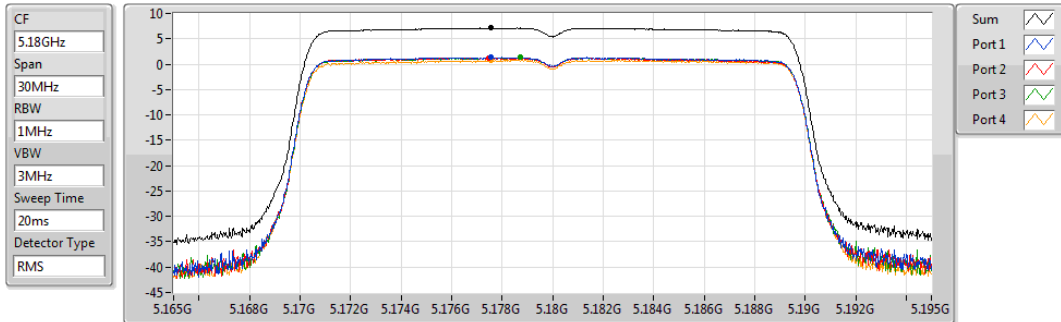
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.44	10.44	4.52	4.46	4.93	4.51

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

28/01/2019



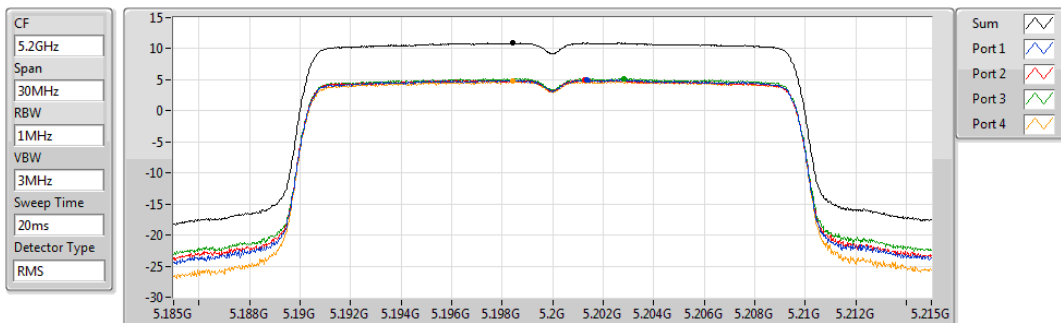
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.15	7.15	1.35	1.29	1.33	0.78

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

28/01/2019



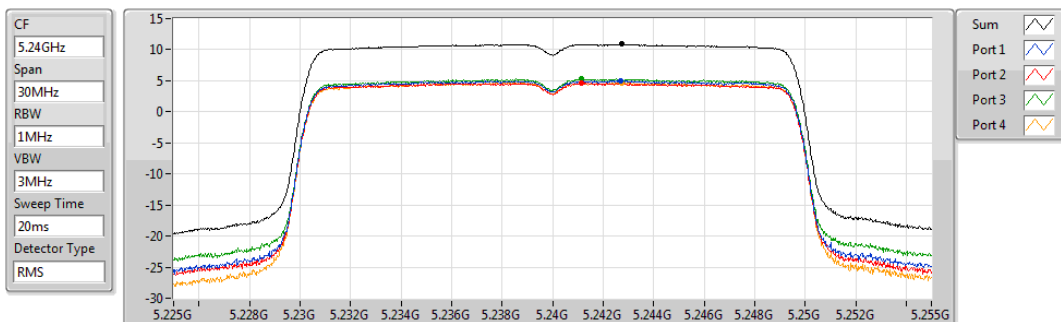
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.90	10.90	4.97	4.97	5.18	4.83

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

28/01/2019



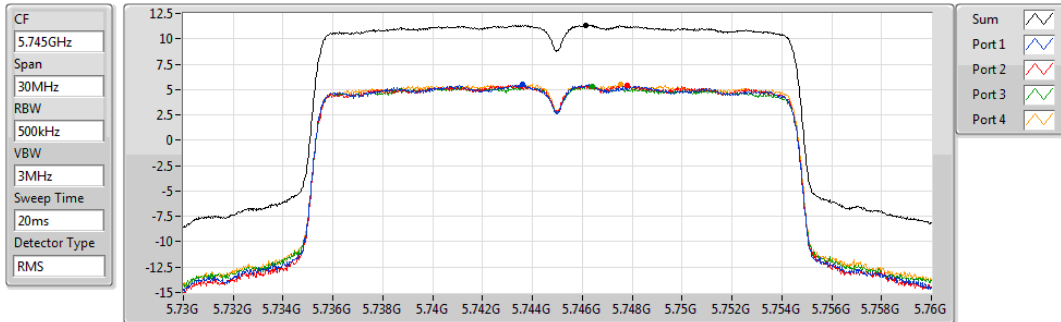
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.87	10.87	5.02	4.67	5.32	4.70

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

28/01/2019



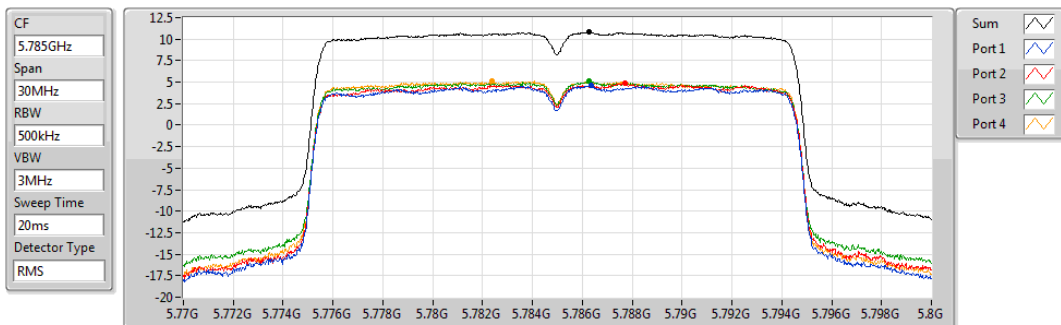
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.36	11.36	5.51	5.41	5.30	5.51

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

28/01/2019



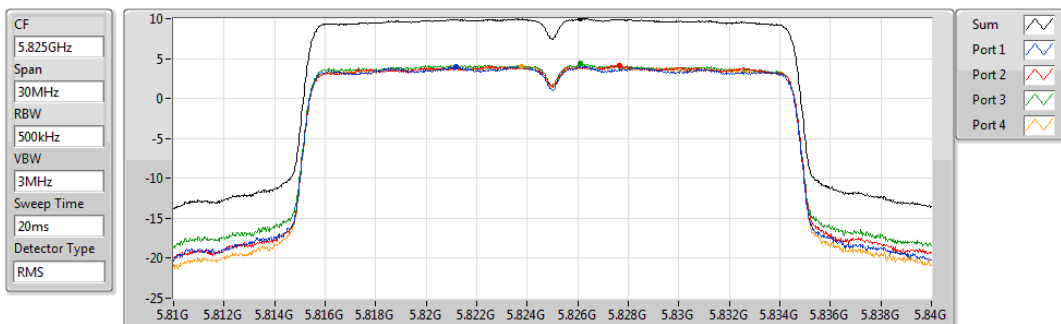
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.79	10.79	4.57	4.82	5.08	5.09

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

28/01/2019



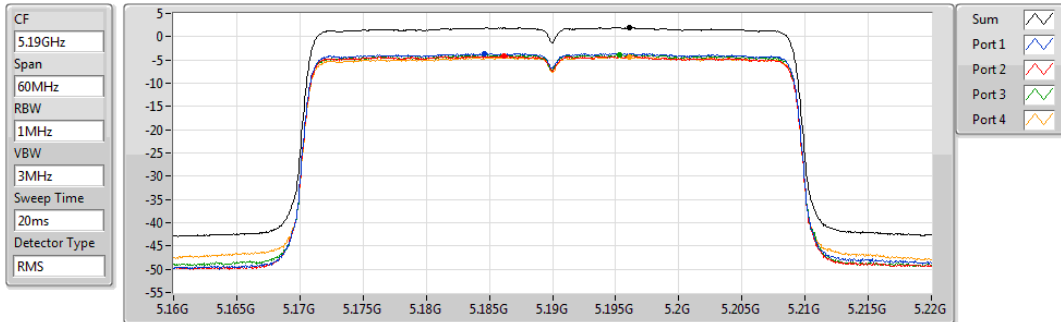
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.99	9.99	4.03	4.12	4.34	4.01

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

28/01/2019



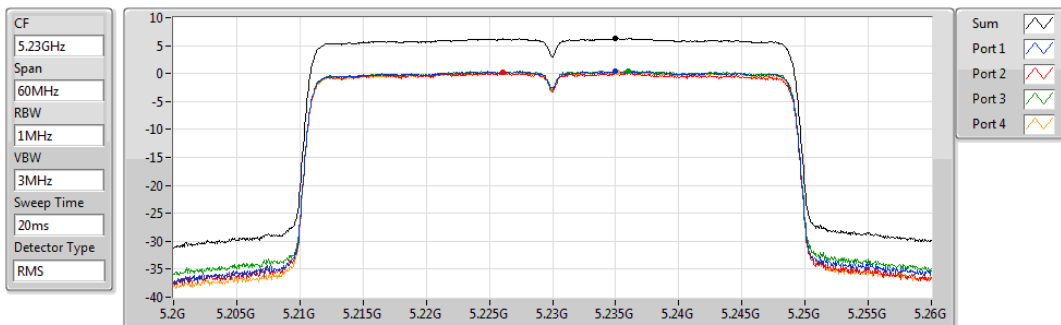
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	-3.59	-4.10	-3.85	-4.37

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

28/01/2019



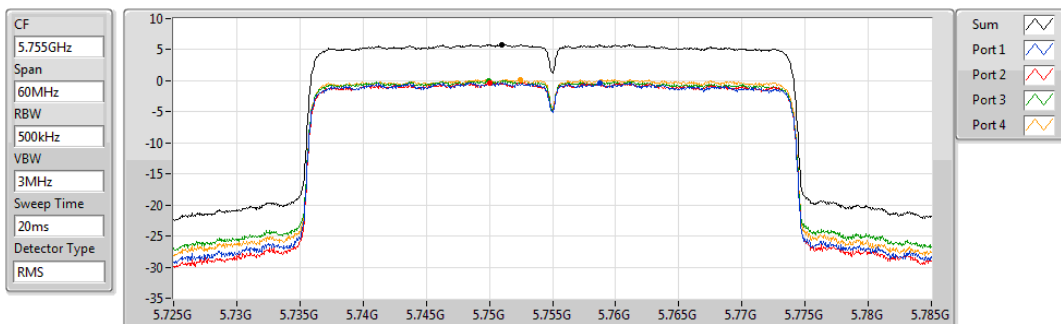
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.26	6.26	0.44	0.18	0.50	0.25

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

28/01/2019



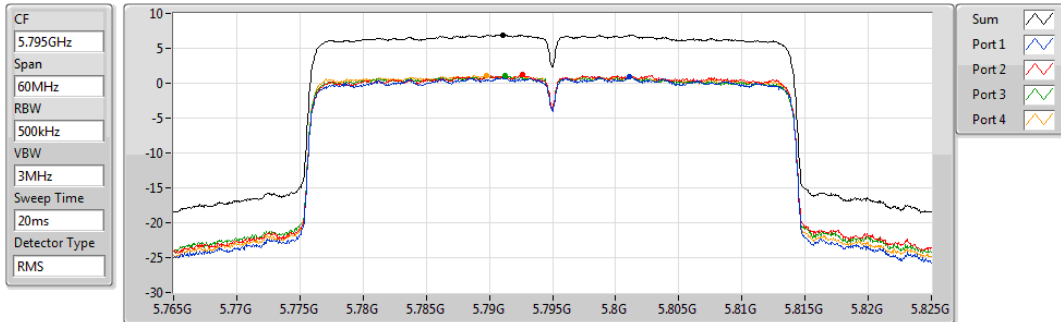
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.81	5.81	-0.29	-0.31	-0.01	0.23

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

28/01/2019



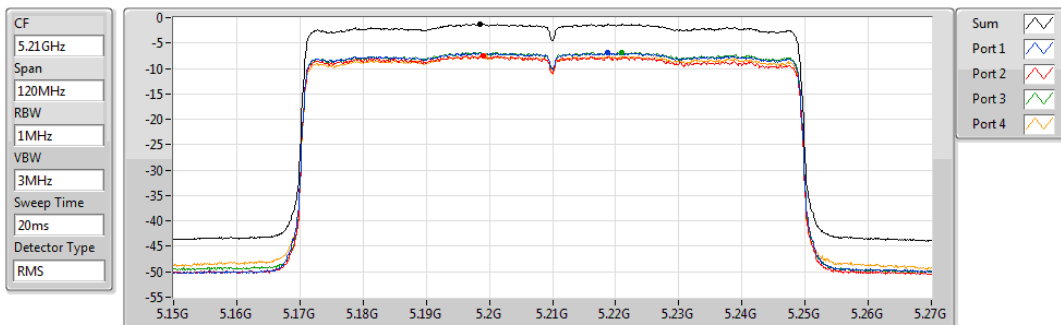
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.94	6.94	0.88	1.18	1.13	1.14

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

28/01/2019



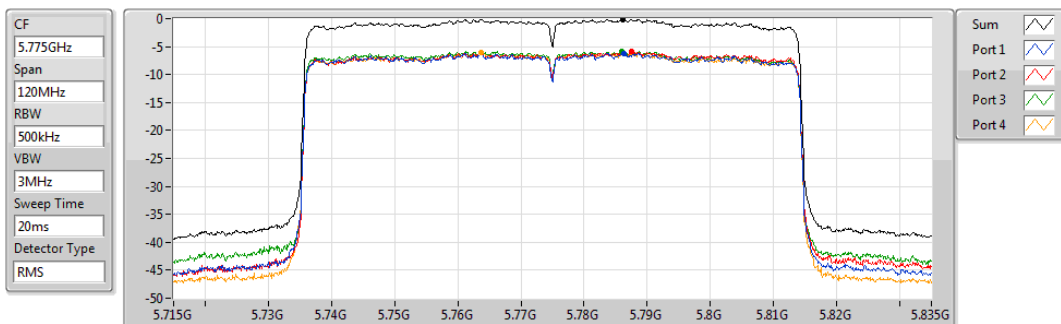
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.23	-1.23	-6.83	-7.46	-6.77	-7.56

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

28/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.13	-0.13	-6.21	-5.93	-5.84	-6.11



PSD Result_Radio 1

Appendix D.9

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.96
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.92
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.06
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.86
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.44

RBW = 500kHz 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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.01	1.32	2.21	0.77	7.27	10.98
5200MHz	Pass	12.02	4.97	5.20	5.49	4.41	10.96	10.98
5240MHz	Pass	12.02	4.94	4.68	5.37	4.62	10.84	10.98
5745MHz	Pass	12.02	3.50	4.07	3.82	4.20	9.82	23.98
5785MHz	Pass	12.02	3.97	4.09	3.75	3.85	9.86	23.98
5825MHz	Pass	12.02	3.68	4.10	3.92	3.97	9.78	23.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.05	-2.96	-2.96	-3.60	2.75	10.98
5230MHz	Pass	12.02	1.78	2.15	2.29	1.75	7.92	10.98
5755MHz	Pass	12.02	-0.04	0.76	0.37	0.99	6.48	23.98
5795MHz	Pass	12.02	0.67	1.61	0.48	1.54	7.01	23.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-5.71	-5.75	-5.97	-5.96	0.06	10.98
5775MHz	Pass	12.02	-5.88	-5.07	-5.53	-5.68	0.44	23.98

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

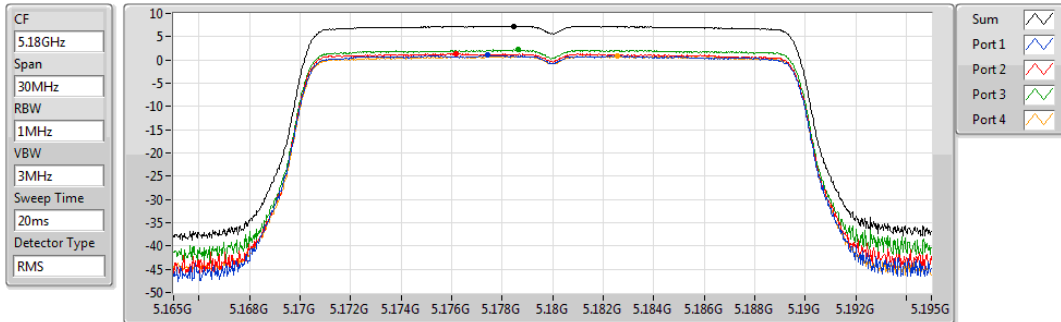
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

25/01/2019



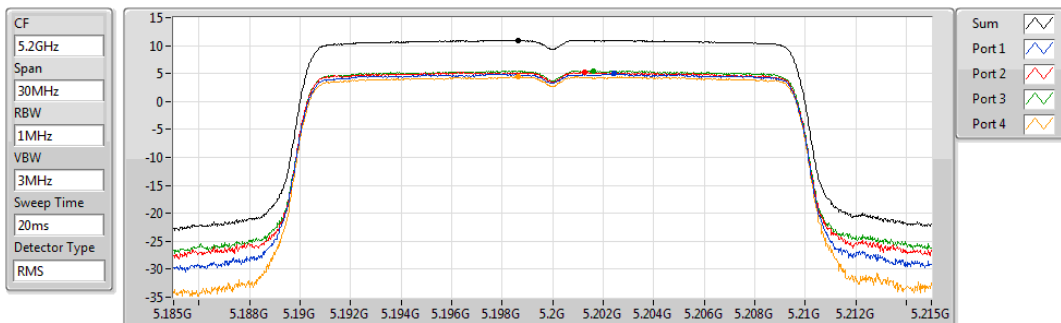
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	1.01	1.32	2.21	0.77

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

25/01/2019



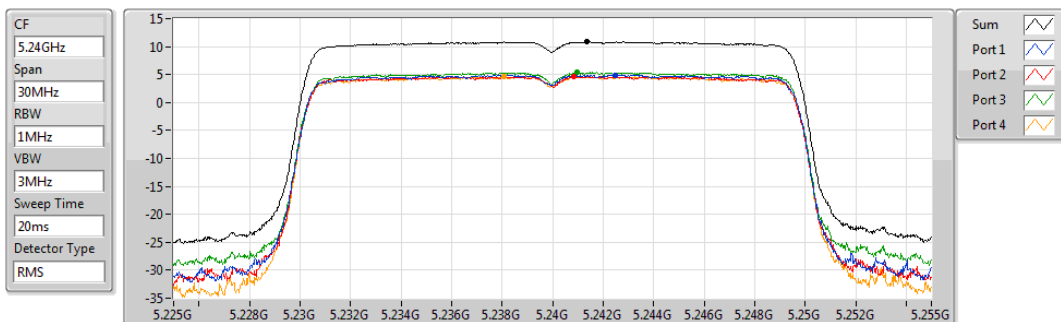
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.96	10.96	4.97	5.20	5.49	4.41

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

25/01/2019



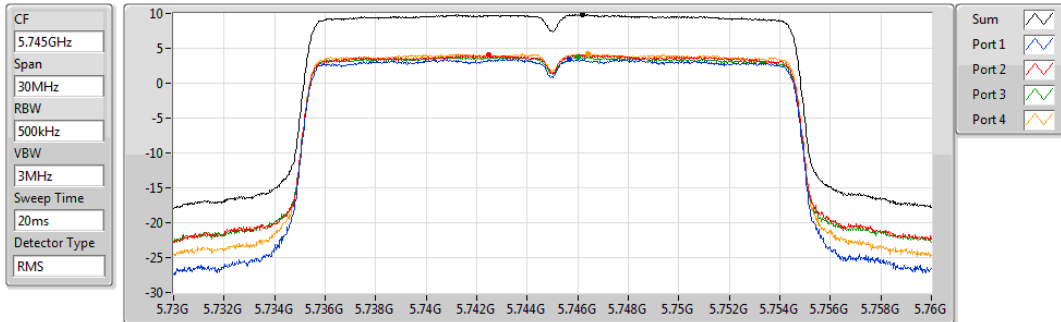
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.84	10.84	4.94	4.68	5.37	4.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

25/01/2019



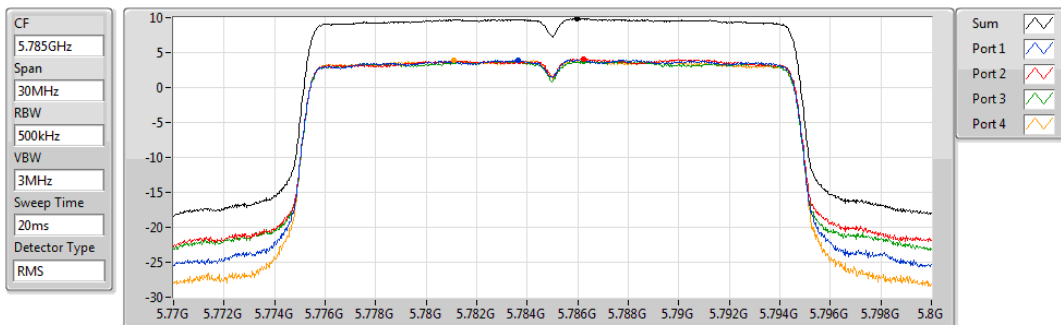
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.82	9.82	3.50	4.07	3.82	4.20

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

25/01/2019



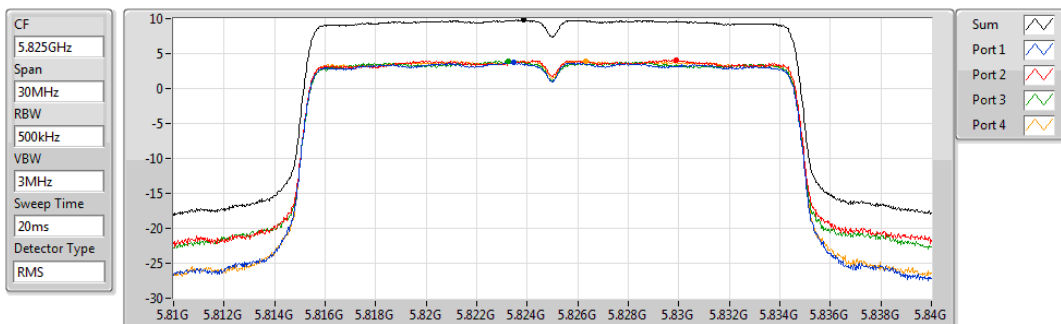
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	3.97	4.09	3.75	3.85

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

25/01/2019



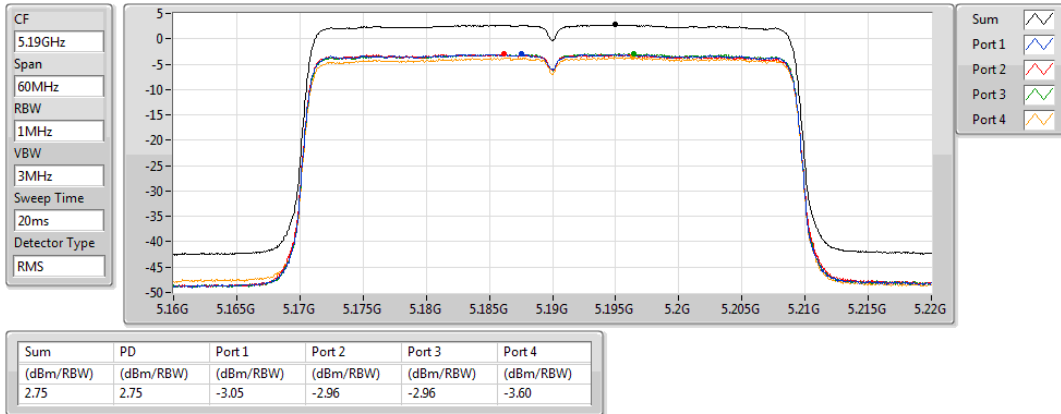
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.78	9.78	3.68	4.10	3.92	3.97

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

25/01/2019

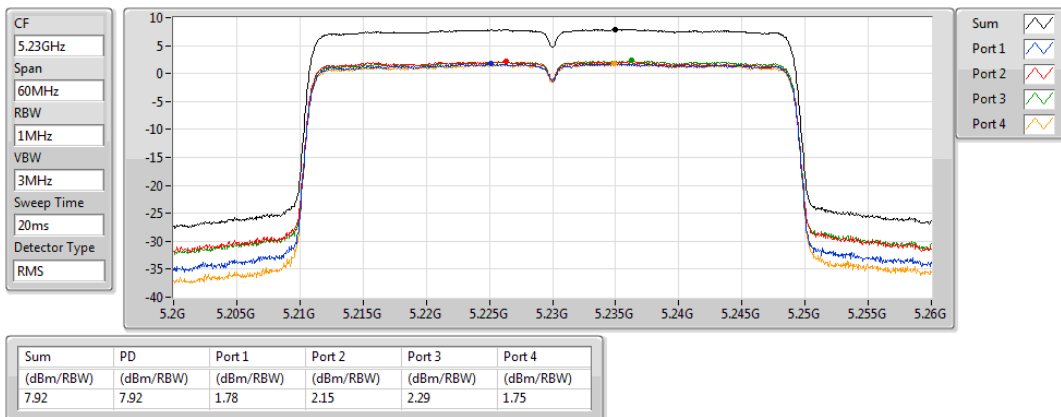


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

25/01/2019

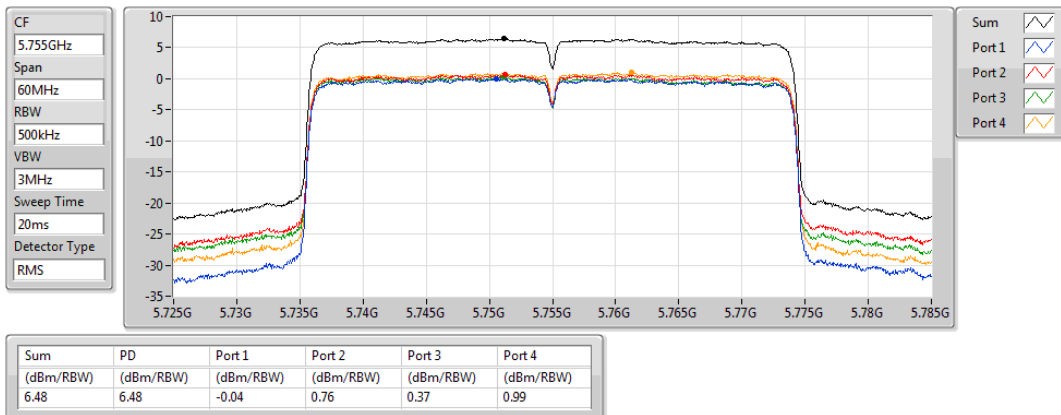


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

25/01/2019

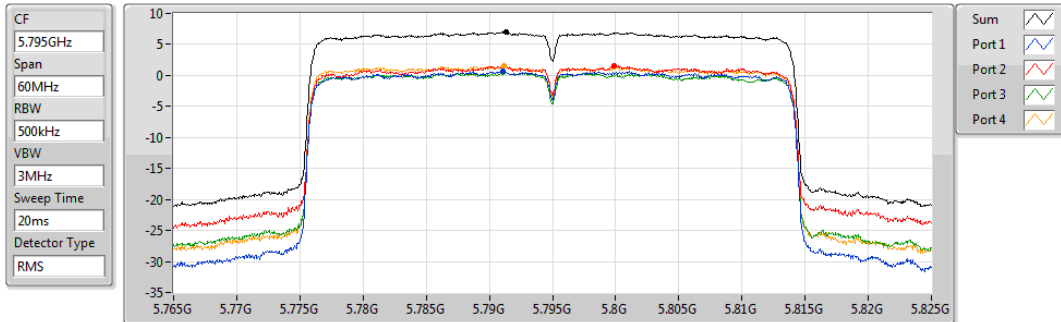


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

25/01/2019



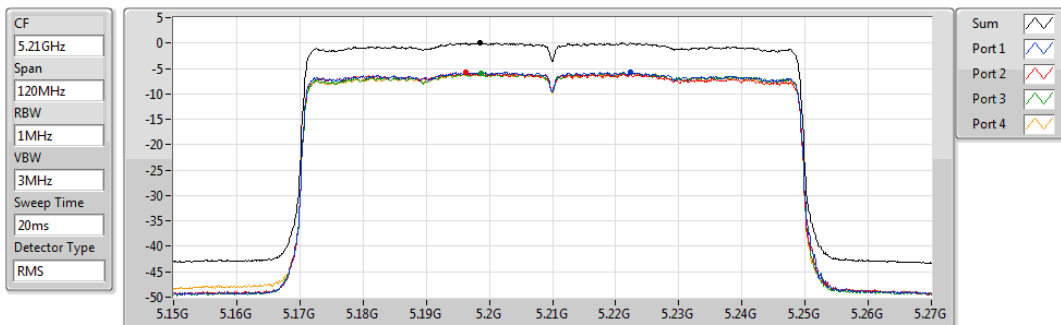
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.01	7.01	0.67	1.61	0.48	1.54

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

25/01/2019



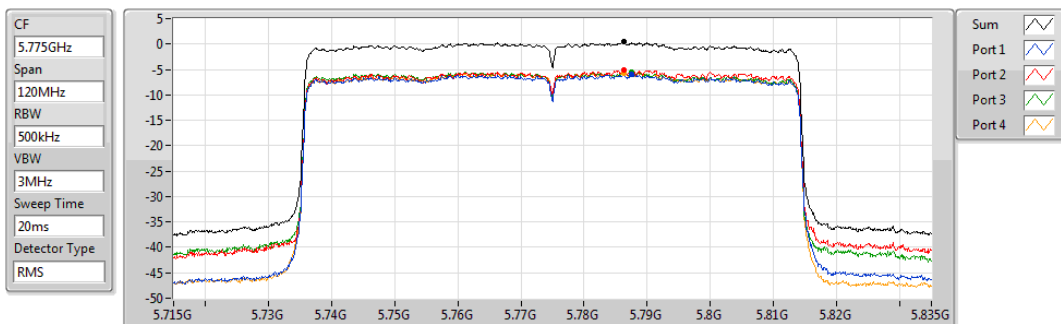
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.06	0.06	-5.71	-5.75	-5.97	-5.96

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

25/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.44	0.44	-5.88	-5.07	-5.53	-5.68

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	13.07
802.11ax HEW40_Nss4,(MCS0)_4TX	5.68
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.48
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.24
802.11ax HEW40_Nss4,(MCS0)_4TX	7.28
802.11ax HEW80_Nss4,(MCS0)_4TX	0.83

RBW = 500kHz 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)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	1.26	1.00	1.68	0.76	7.08	17.00
5200MHz	Pass	6.00	4.98	4.59	5.05	4.36	10.63	17.00
5240MHz	Pass	6.00	7.40	7.11	7.36	6.99	13.07	17.00
5745MHz	Pass	6.00	6.38	6.38	6.27	6.43	12.24	30.00
5785MHz	Pass	6.00	5.14	4.78	5.14	5.24	10.95	30.00
5825MHz	Pass	6.00	4.35	4.46	4.32	4.29	10.18	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.00	-3.49	-4.33	-3.50	-4.45	1.98	17.00
5230MHz	Pass	6.00	-0.04	-0.41	0.05	-0.30	5.68	17.00
5755MHz	Pass	6.00	0.34	0.18	0.60	0.83	6.40	30.00
5795MHz	Pass	6.00	1.37	1.28	1.37	1.65	7.28	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.00	-9.00	-9.63	-9.19	-9.80	-3.48	17.00
5775MHz	Pass	6.00	-5.19	-4.62	-4.91	-5.25	0.83	30.00

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

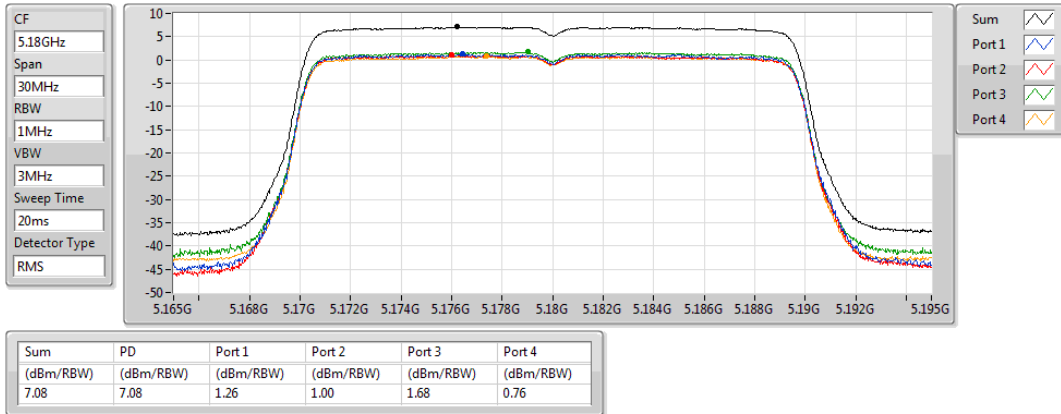
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

28/01/2019

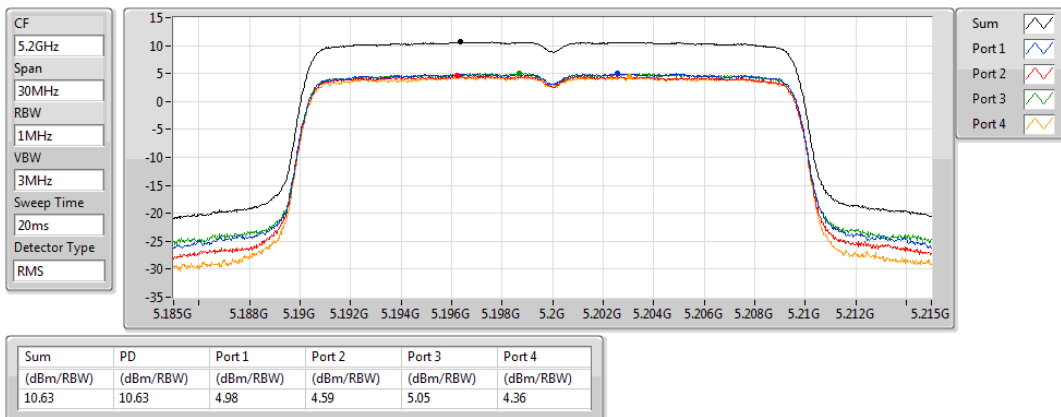


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

28/01/2019

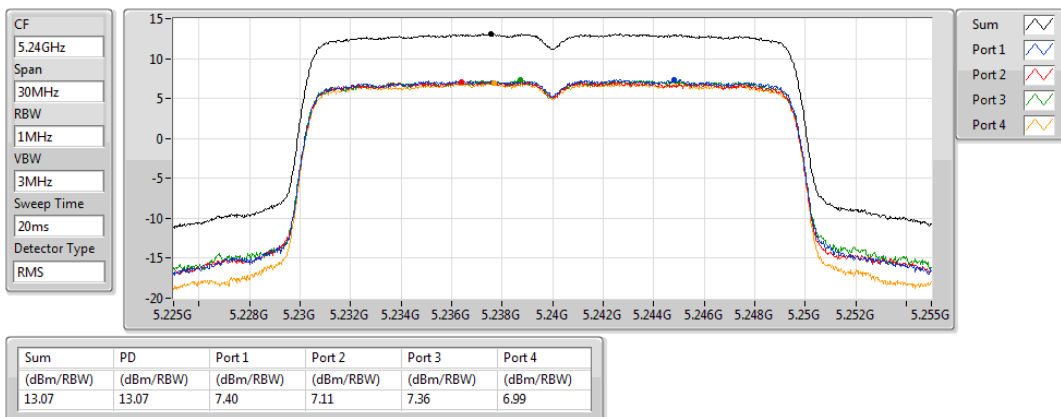


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

28/01/2019

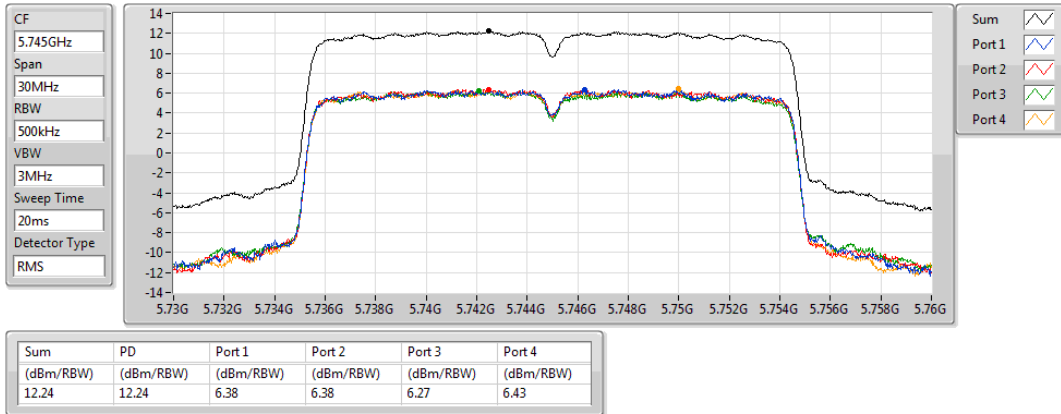


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

28/01/2019

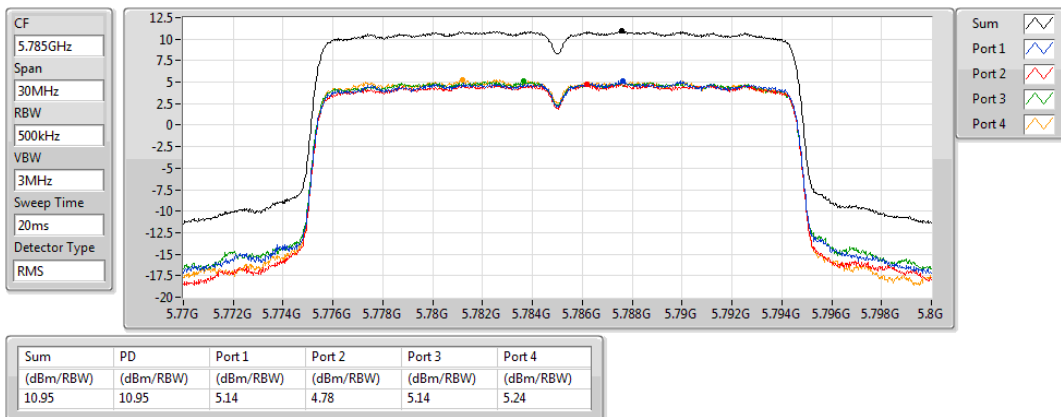


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

28/01/2019

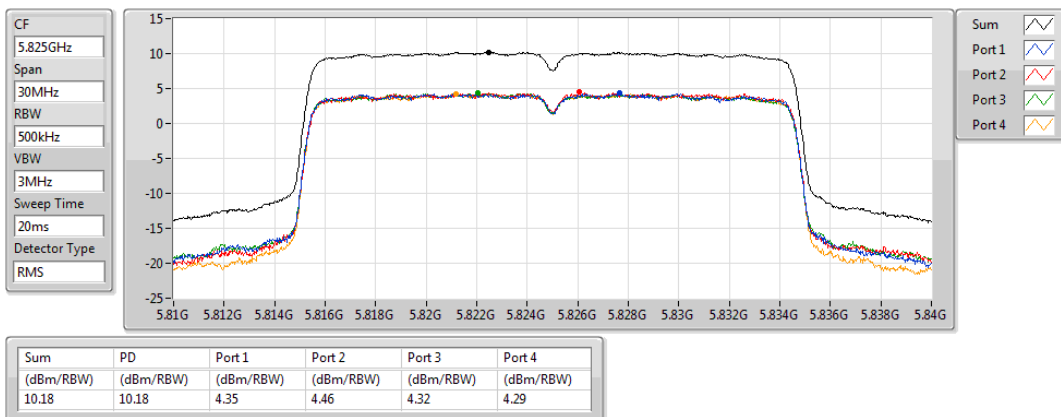


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

28/01/2019

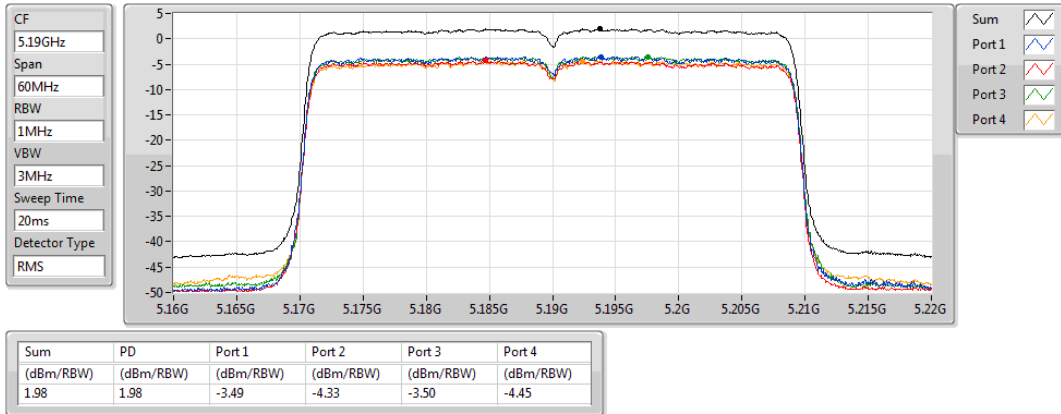


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

28/01/2019

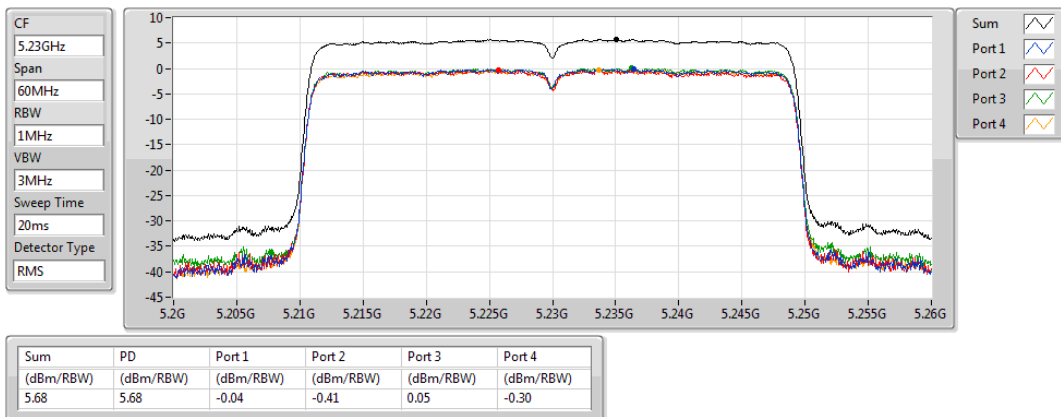


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

28/01/2019

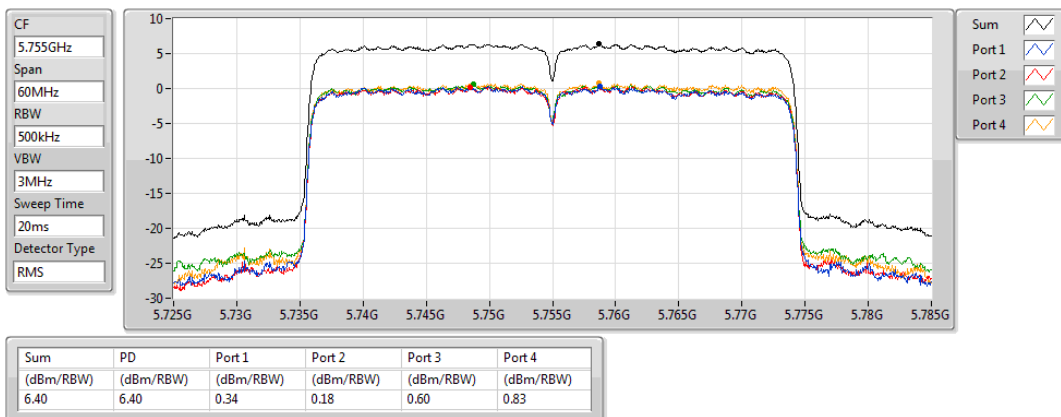


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

28/01/2019

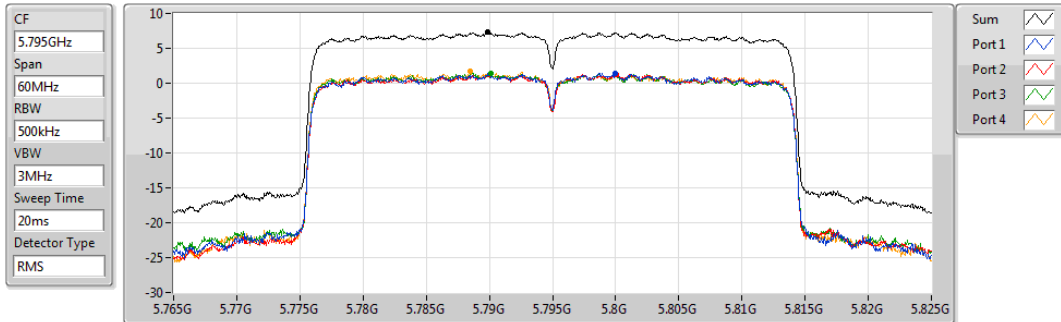


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

28/01/2019



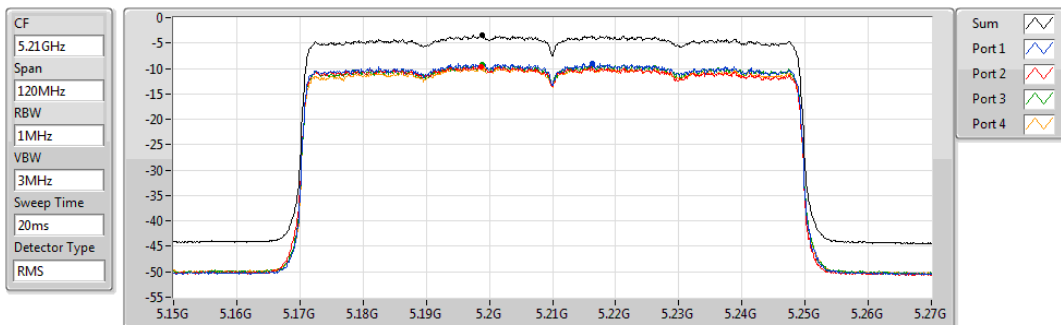
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	1.37	1.28	1.37	1.65

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

28/01/2019



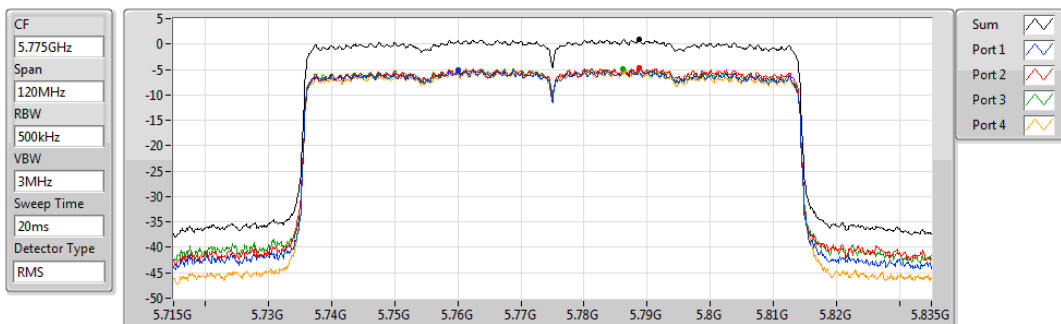
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.48	-3.48	-9.00	-9.63	-9.19	-9.80

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

28/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.83	0.83	-5.19	-4.62	-4.91	-5.25

Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.67
802.11ax HEW20_Nss1,(MCS0)_1TX	6.90
802.11ax HEW40_Nss1,(MCS0)_1TX	2.72
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.38
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.51
802.11ax HEW20_Nss1,(MCS0)_1TX	5.56
802.11ax HEW40_Nss1,(MCS0)_1TX	3.05
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.03

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	4.56	4.56	14.30
5200MHz	Pass	8.70	7.67	7.67	14.30
5240MHz	Pass	8.70	7.46	7.46	14.30
5745MHz	Pass	8.70	5.51	5.51	27.30
5785MHz	Pass	8.70	4.83	4.83	27.30
5825MHz	Pass	8.70	4.17	4.17	27.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	3.51	3.51	14.30
5200MHz	Pass	8.70	6.90	6.90	14.30
5240MHz	Pass	8.70	6.37	6.37	14.30
5745MHz	Pass	8.70	5.56	5.56	27.30
5785MHz	Pass	8.70	4.39	4.39	27.30
5825MHz	Pass	8.70	4.56	4.56	27.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	8.70	-1.36	-1.36	14.30
5230MHz	Pass	8.70	2.72	2.72	14.30
5755MHz	Pass	8.70	3.05	3.05	27.30
5795MHz	Pass	8.70	2.88	2.88	27.30
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	8.70	-4.38	-4.38	14.30
5775MHz	Pass	8.70	-2.03	-2.03	27.30

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

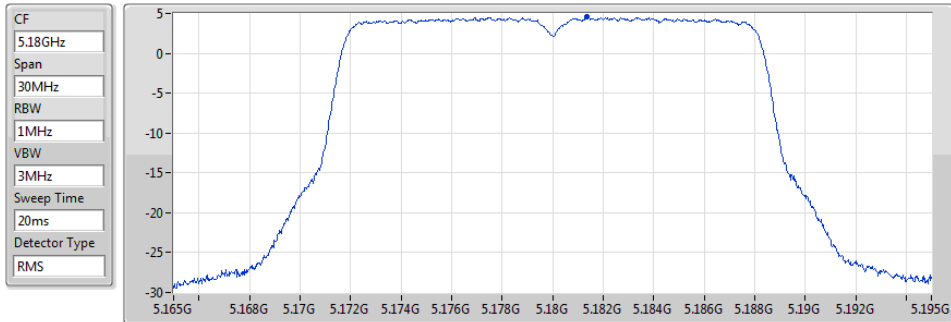
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

11/02/2019



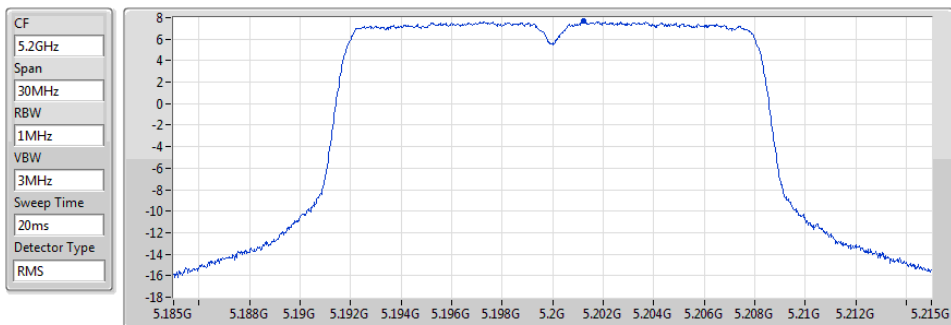
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.56	4.56	4.56

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

11/02/2019



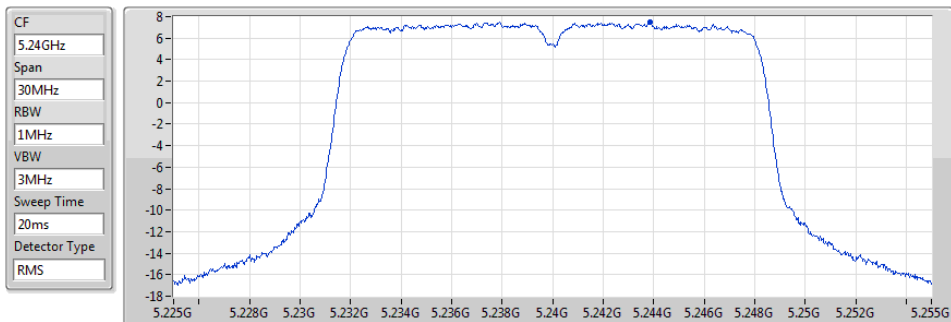
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.67	7.67	7.67

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

11/02/2019



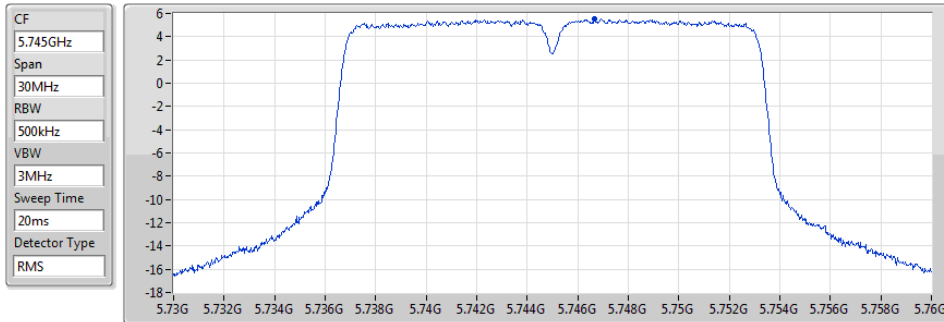
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.46	7.46	7.46

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

11/02/2019



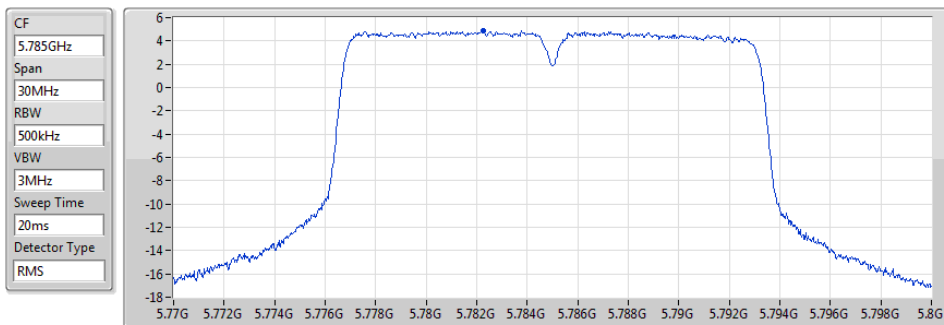
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.51	5.51	5.51

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

11/02/2019



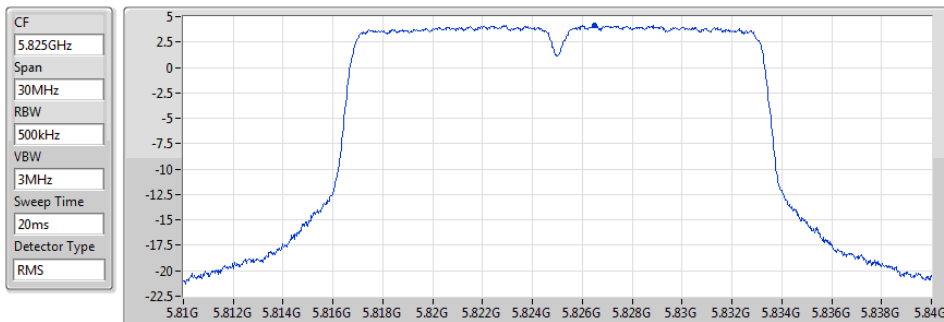
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.83	4.83	4.83

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

11/02/2019



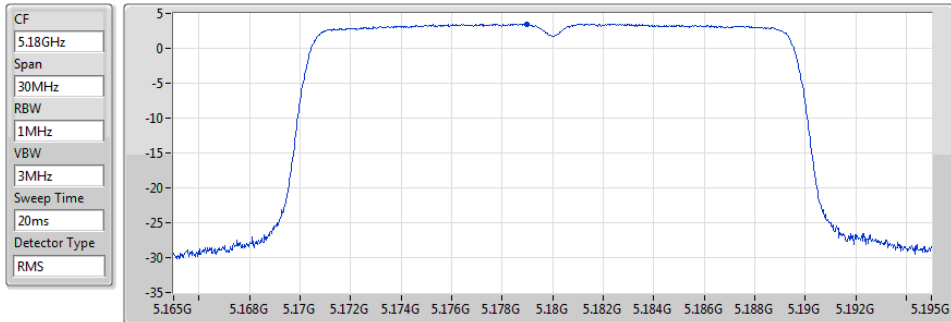
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.17	4.17	4.17

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

11/02/2019

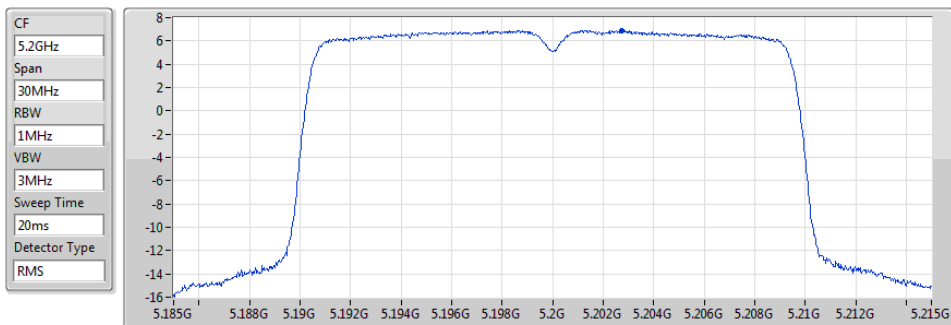


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

11/02/2019

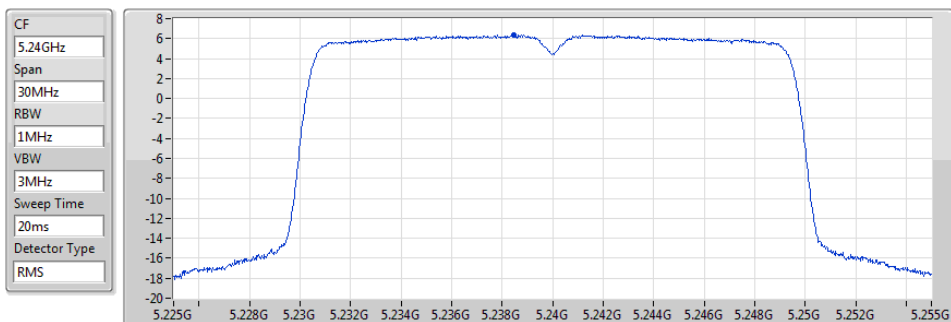


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

11/02/2019

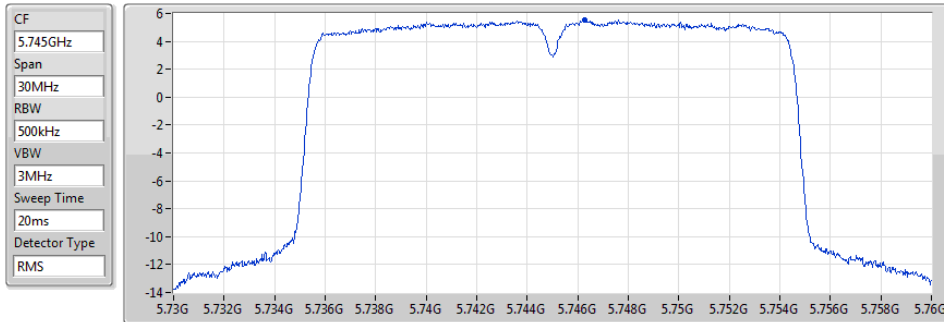


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

11/02/2019



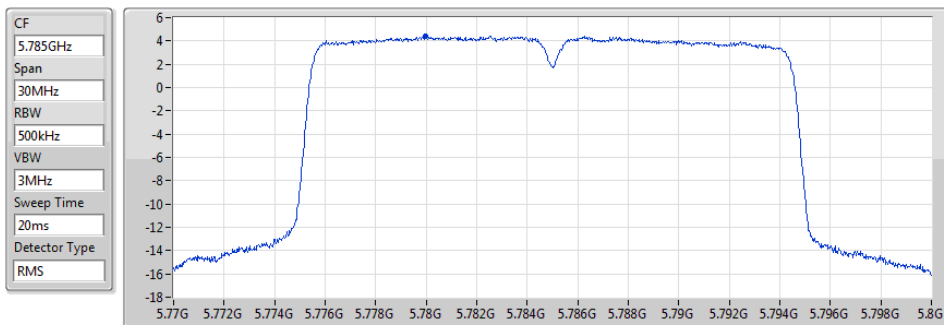
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.56	5.56	5.56

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

11/02/2019



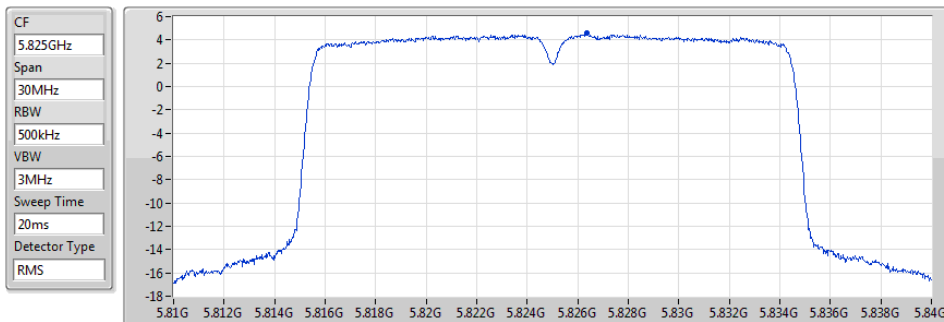
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.39	4.39	4.39

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

11/02/2019



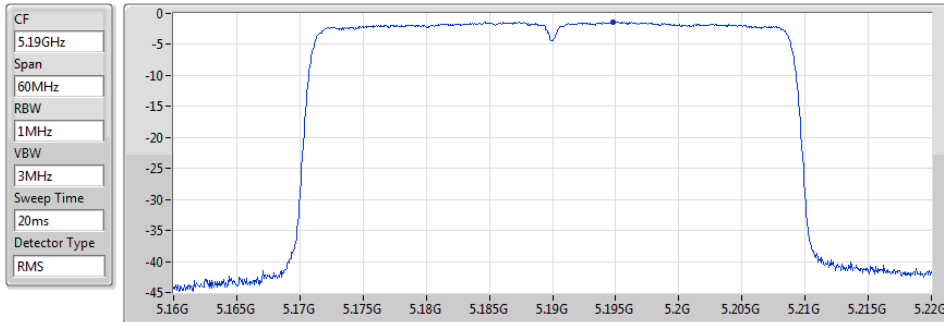
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.56	4.56	4.56

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

11/02/2019



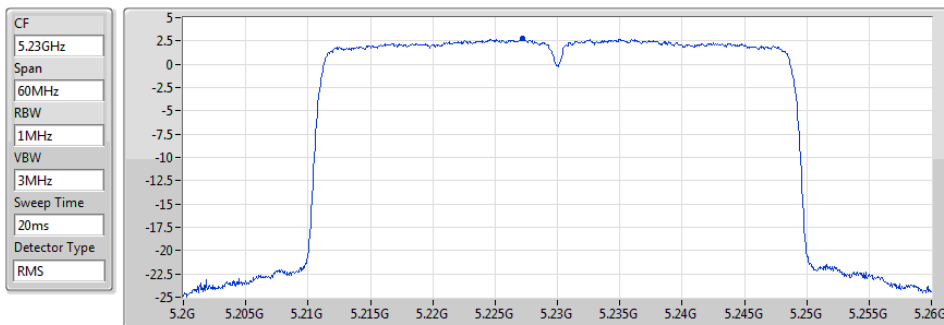
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.36	-1.36	-1.36

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

11/02/2019



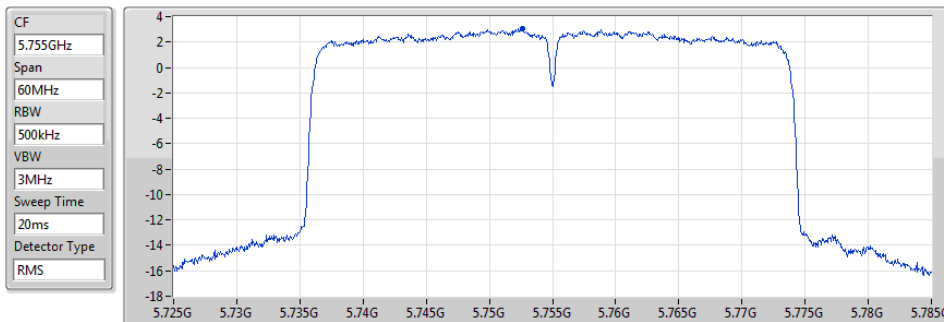
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.72	2.72	2.72

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

11/02/2019



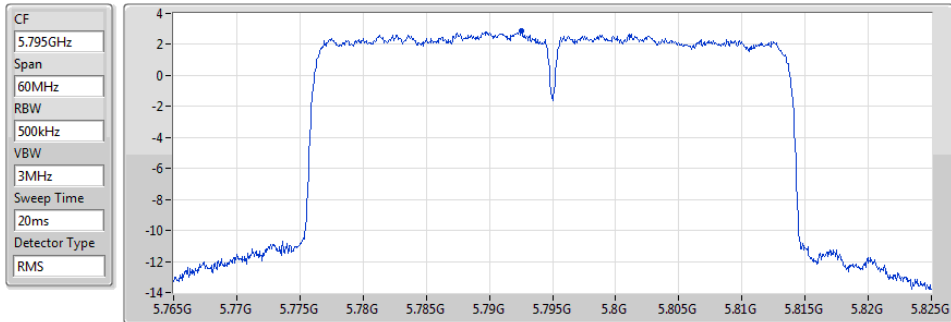
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.05	3.05	3.05

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

11/02/2019



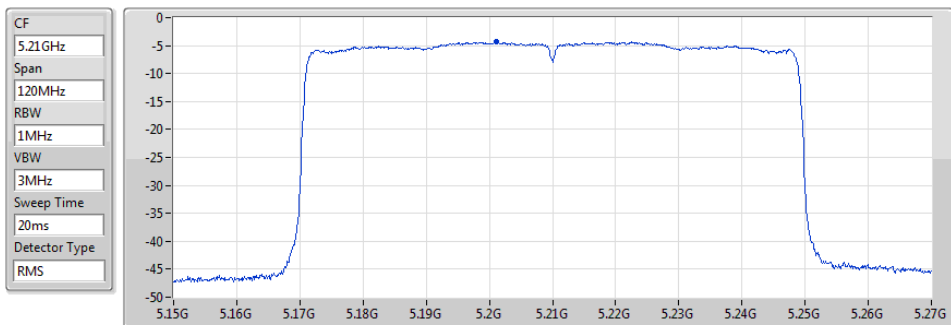
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	2.88

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

11/02/2019



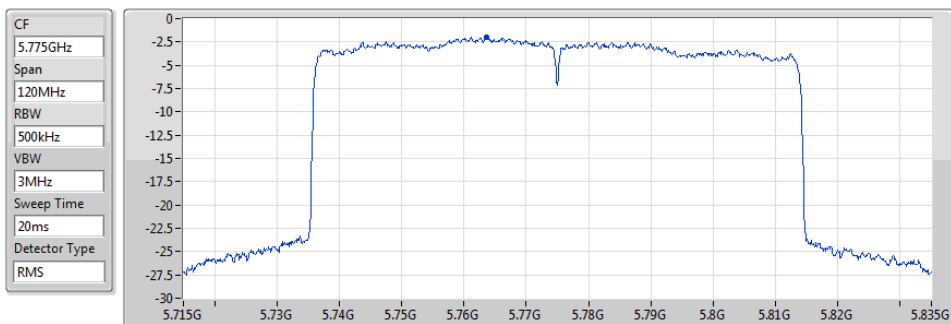
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.38	-4.38	-4.38

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

11/02/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.03	-2.03	-2.03

**For Non-beamforming / 2T2S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.44
802.11ax HEW40_Nss2,(MCS0)_2TX	5.29
802.11ax HEW80_Nss2,(MCS0)_2TX	-1.72
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	8.69
802.11ax HEW40_Nss2,(MCS0)_2TX	5.72
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.27

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.70	2.21	2.28	5.22	14.30
5200MHz	Pass	8.70	6.18	5.78	8.93	14.30
5240MHz	Pass	8.70	6.61	6.34	9.44	14.30
5745MHz	Pass	8.70	5.69	5.81	8.69	27.30
5785MHz	Pass	8.70	4.55	5.06	7.75	27.30
5825MHz	Pass	8.70	4.53	5.05	7.72	27.30
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.70	-1.16	-1.80	1.45	14.30
5230MHz	Pass	8.70	2.61	2.06	5.29	14.30
5755MHz	Pass	8.70	2.22	2.67	5.39	27.30
5795MHz	Pass	8.70	2.59	2.86	5.72	27.30
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.70	-4.41	-4.90	-1.72	14.30
5775MHz	Pass	8.70	-3.39	-2.96	-0.27	27.30

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

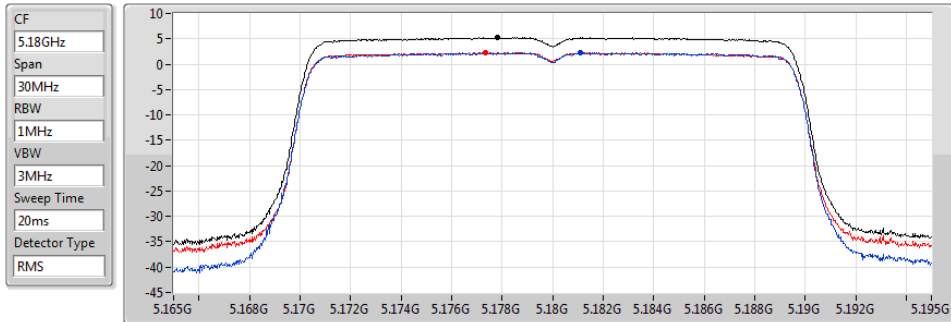
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

11/02/2019



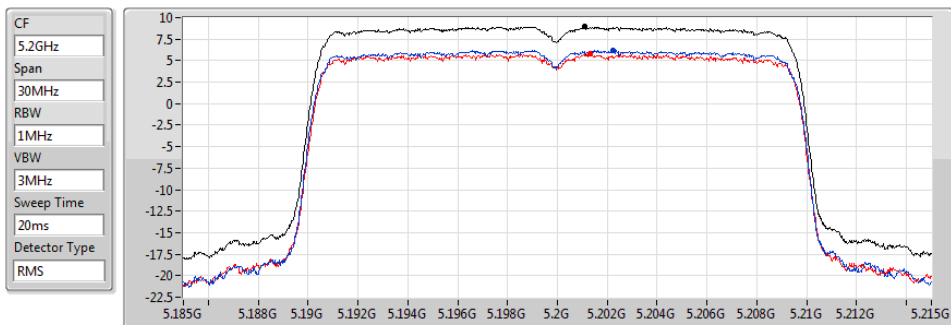
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.22	5.22	2.21	2.28

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

11/02/2019



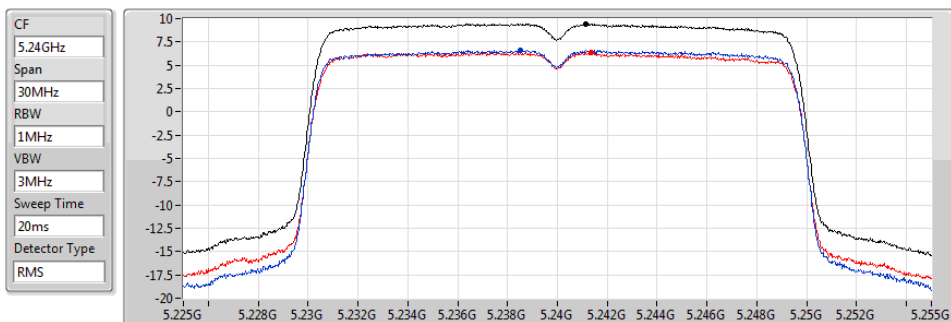
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.93	8.93	6.18	5.78

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

11/02/2019



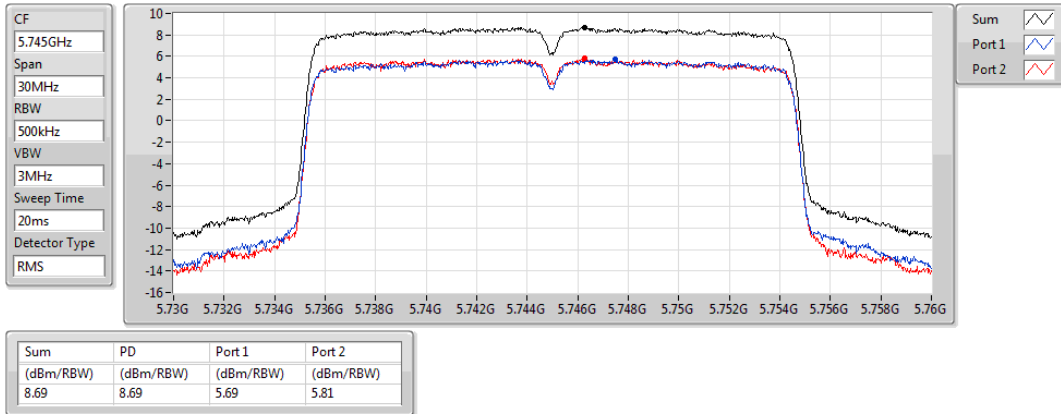
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.61	6.34

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

11/02/2019

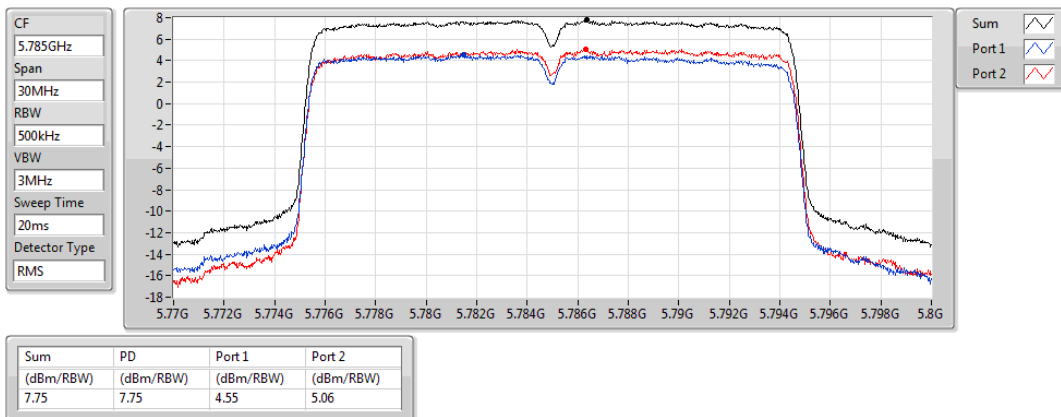


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

11/02/2019

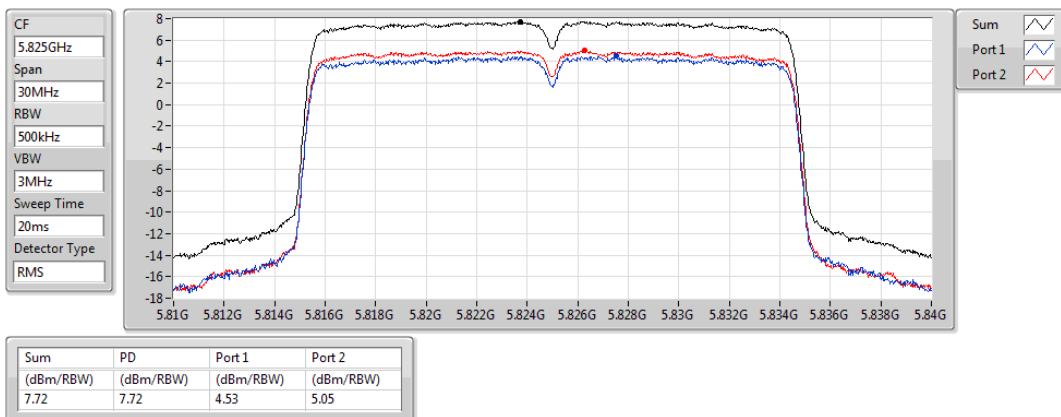


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

11/02/2019

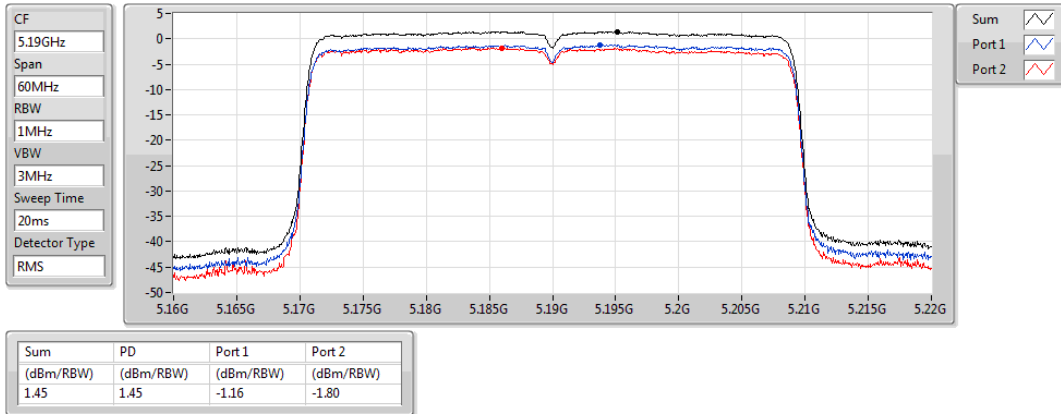


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

11/02/2019

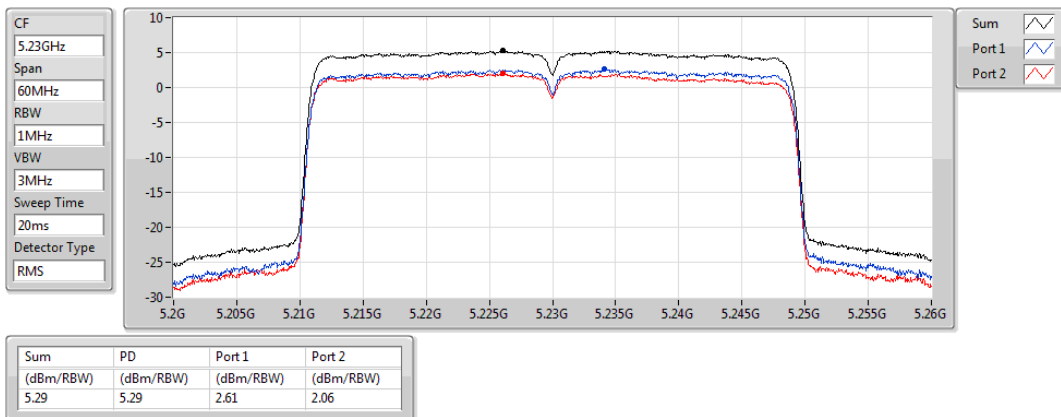


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

11/02/2019

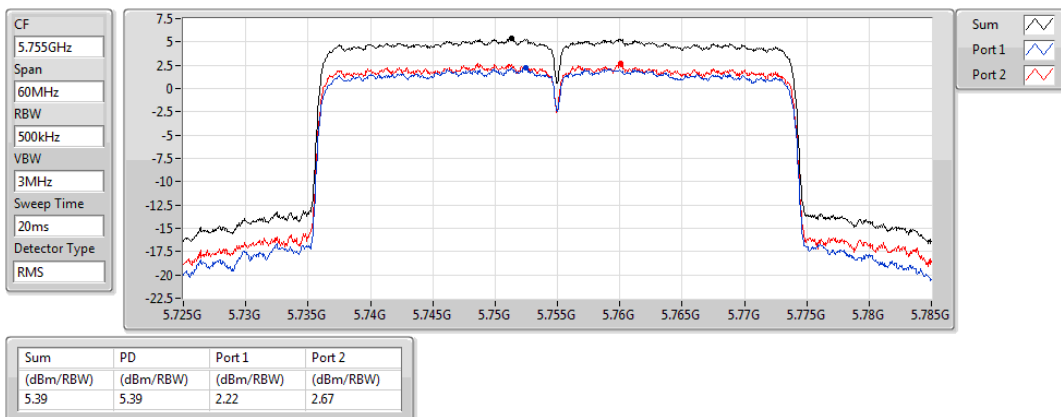


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

11/02/2019

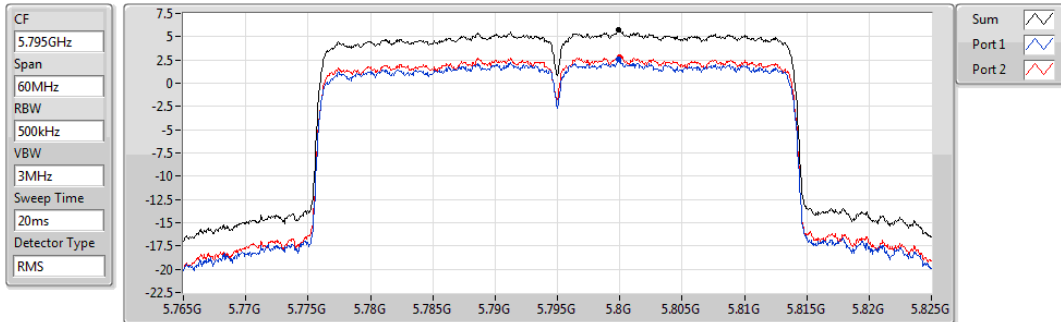


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

11/02/2019



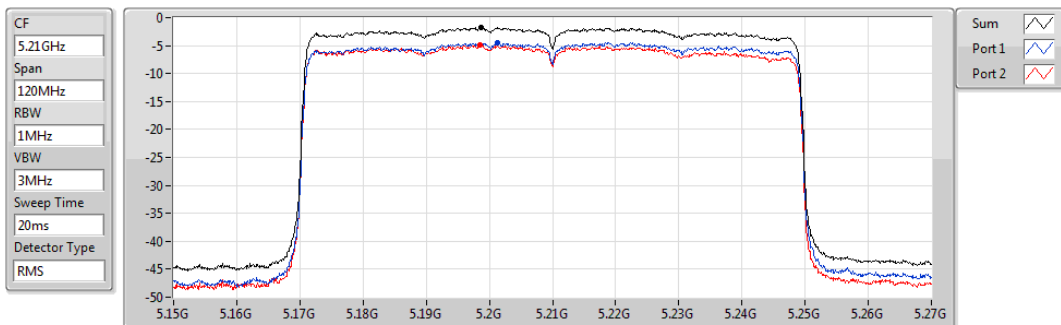
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.72	5.72	2.59	2.86

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

11/02/2019



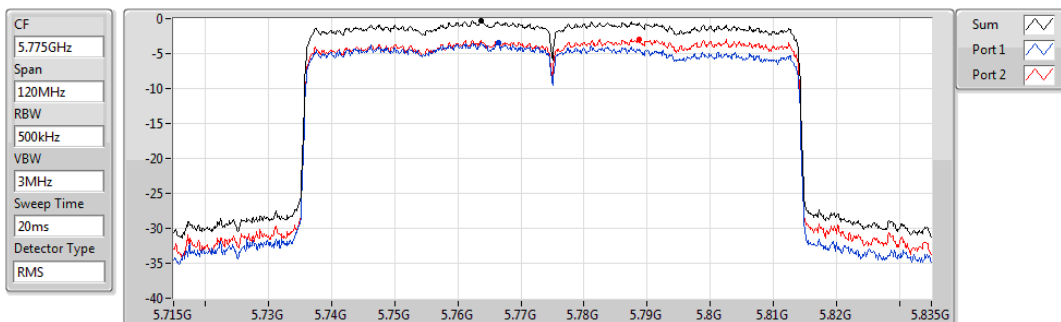
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.72	-1.72	-4.41	-4.90

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

11/02/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.27	-0.27	-3.39	-2.96

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.23
802.11ax HEW20_Nss1,(MCS0)_4TX	8.23
802.11ax HEW40_Nss1,(MCS0)_4TX	6.97
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.43
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	11.72
802.11ax HEW20_Nss1,(MCS0)_4TX	11.93
802.11ax HEW40_Nss1,(MCS0)_4TX	8.09
802.11ax HEW80_Nss1,(MCS0)_4TX	1.15

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	1.35	0.28	0.64	0.31	6.56	8.28
5200MHz	Pass	14.72	2.48	1.89	2.57	1.72	8.10	8.28
5240MHz	Pass	14.72	2.87	2.14	2.18	1.80	8.23	8.28
5745MHz	Pass	14.72	5.89	5.86	5.40	6.16	11.72	21.28
5785MHz	Pass	14.72	4.54	5.26	5.05	5.68	11.03	21.28
5825MHz	Pass	14.72	4.57	5.00	4.76	5.24	10.74	21.28
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	1.39	1.01	1.65	0.90	7.19	8.28
5200MHz	Pass	14.72	2.68	2.07	2.52	1.99	8.23	8.28
5240MHz	Pass	14.72	2.74	1.92	2.10	1.78	8.13	8.28
5745MHz	Pass	14.72	6.47	5.92	5.63	6.09	11.93	21.28
5785MHz	Pass	14.72	5.44	5.64	5.61	6.05	11.59	21.28
5825MHz	Pass	14.72	4.82	5.21	5.44	5.25	11.09	21.28
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-2.30	-3.38	-2.67	-3.07	3.09	8.28
5230MHz	Pass	14.72	1.73	0.69	0.90	0.80	6.97	8.28
5755MHz	Pass	14.72	0.95	0.68	0.71	1.24	6.77	21.28
5795MHz	Pass	14.72	1.62	2.31	2.36	2.68	8.09	21.28
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-5.80	-6.96	-6.50	-6.51	-0.43	8.28
5775MHz	Pass	14.72	-4.56	-4.51	-4.52	-5.30	1.15	21.28

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

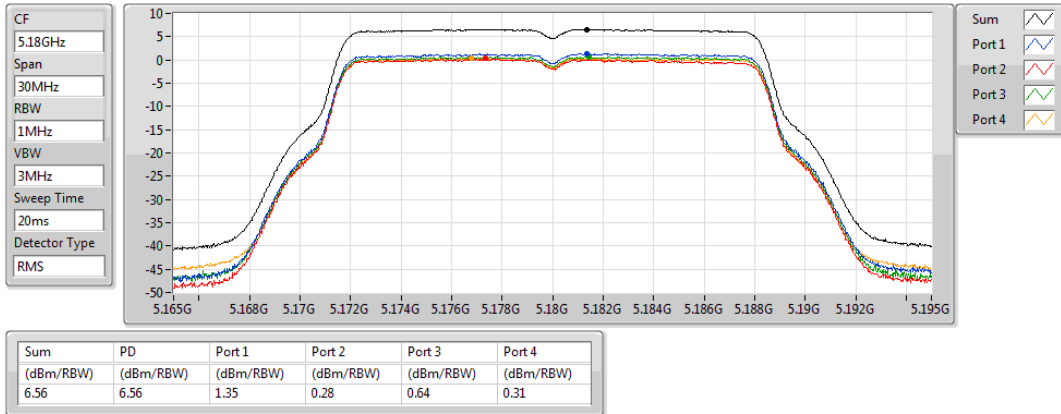
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

11/02/2019

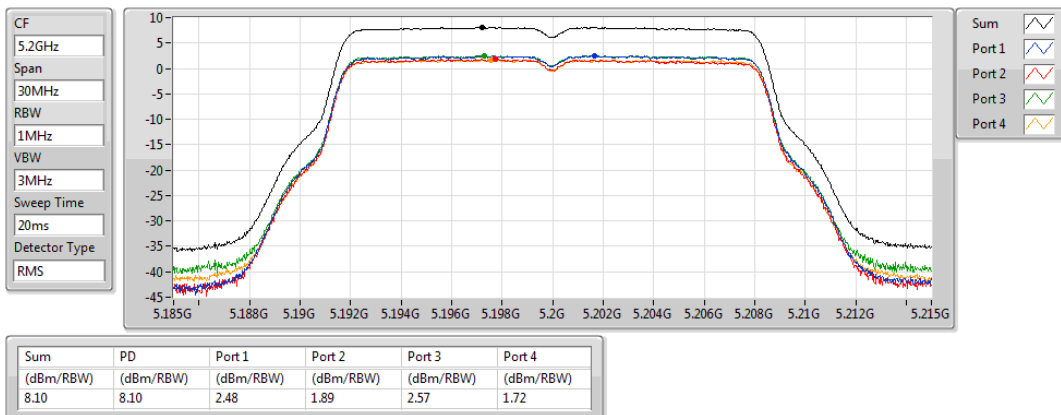


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

11/02/2019

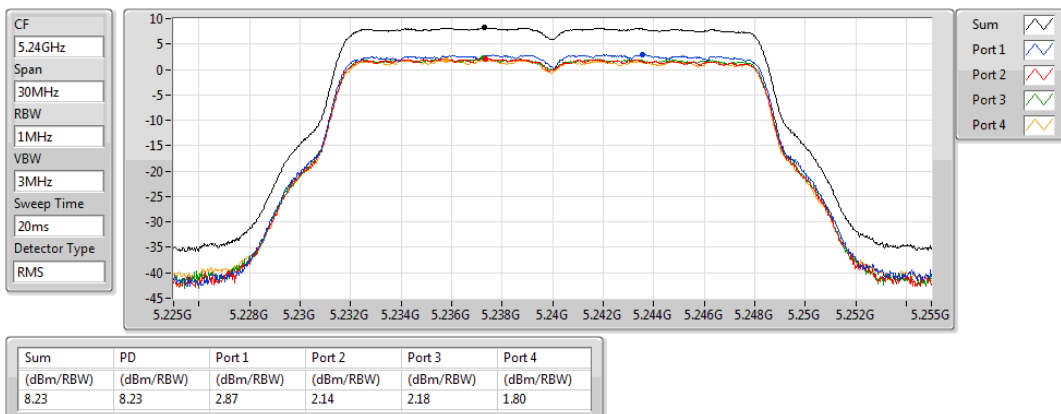


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

11/02/2019

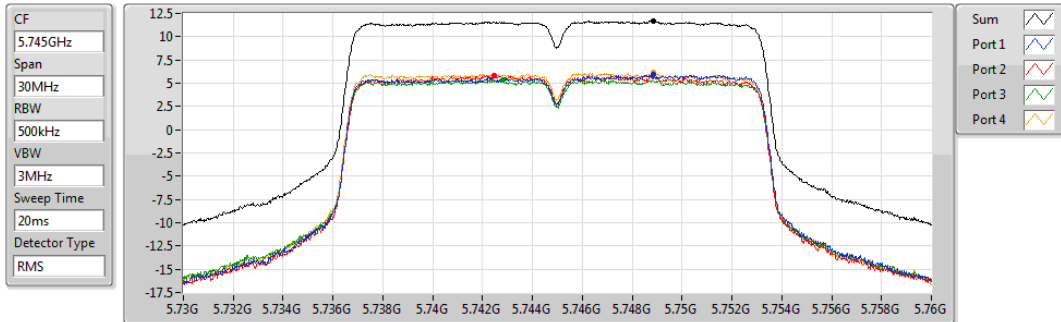


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

11/02/2019



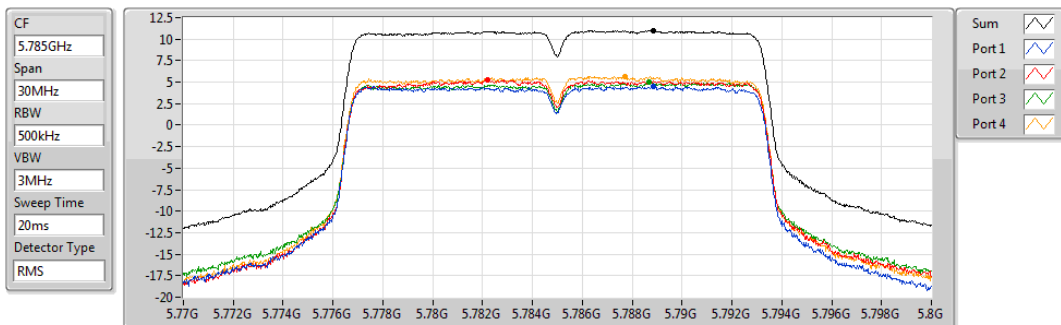
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.72	11.72	5.89	5.86	5.40	6.16

802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

11/02/2019



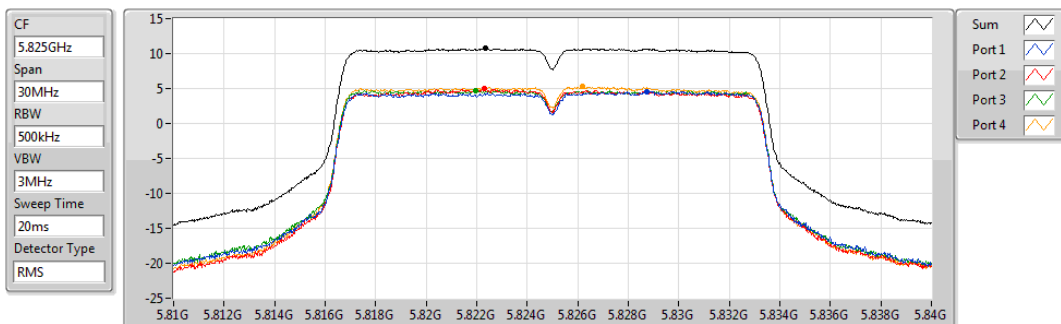
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.03	11.03	4.54	5.26	5.05	5.68

802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

11/02/2019



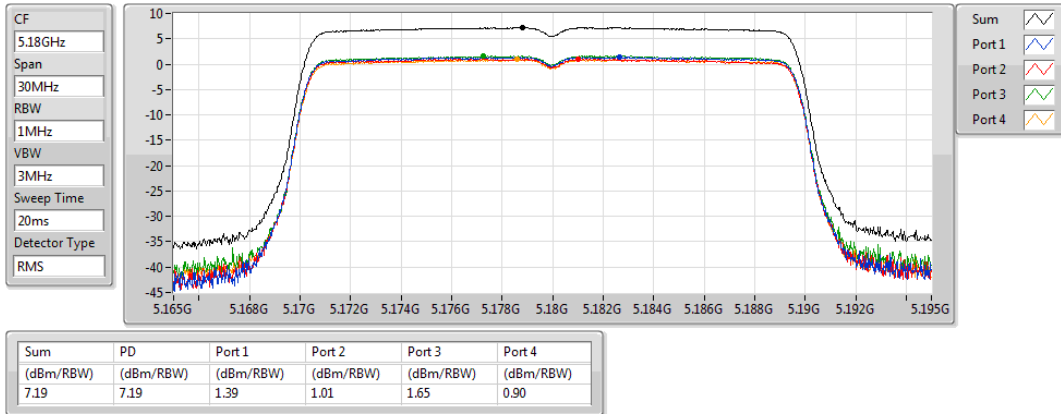
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.74	10.74	4.57	5.00	4.76	5.24

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

11/02/2019

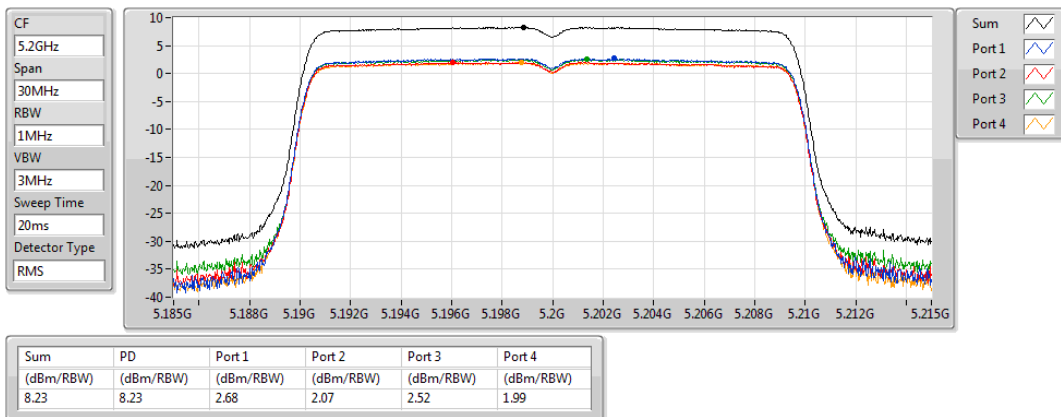


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

11/02/2019

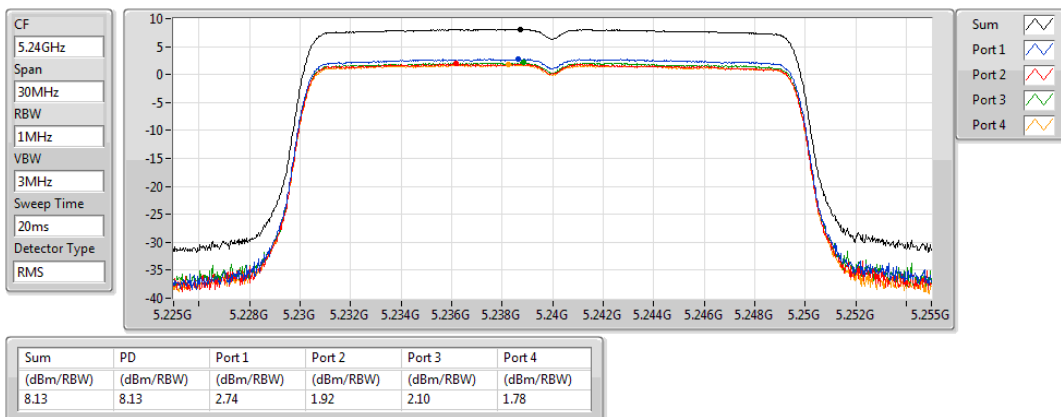


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

11/02/2019

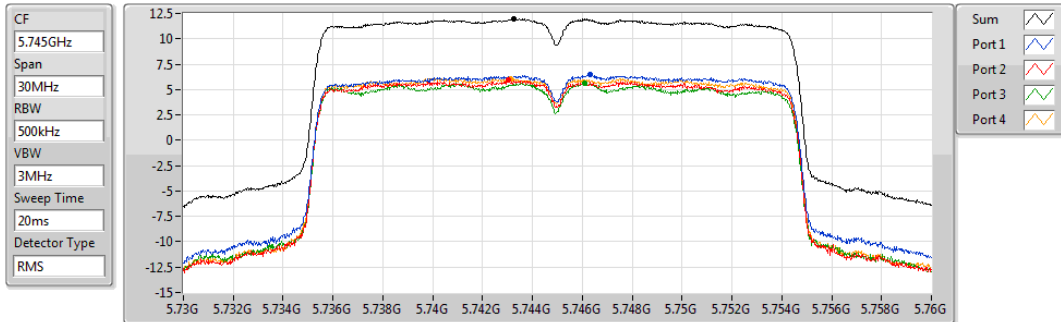


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

11/02/2019



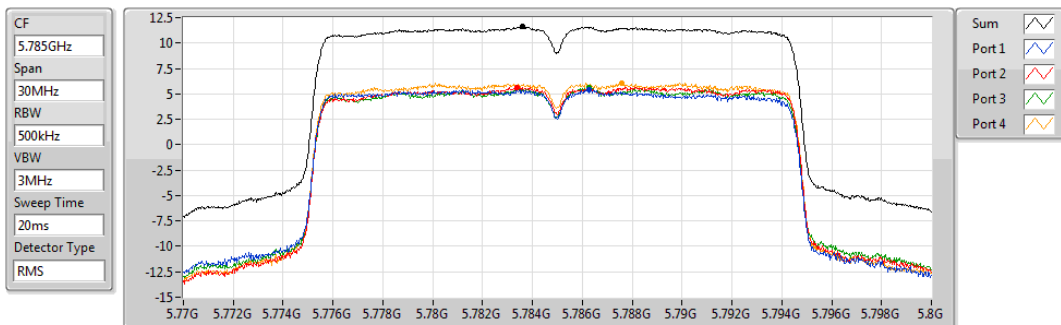
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.93	11.93	6.47	5.92	5.63	6.09

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

11/02/2019



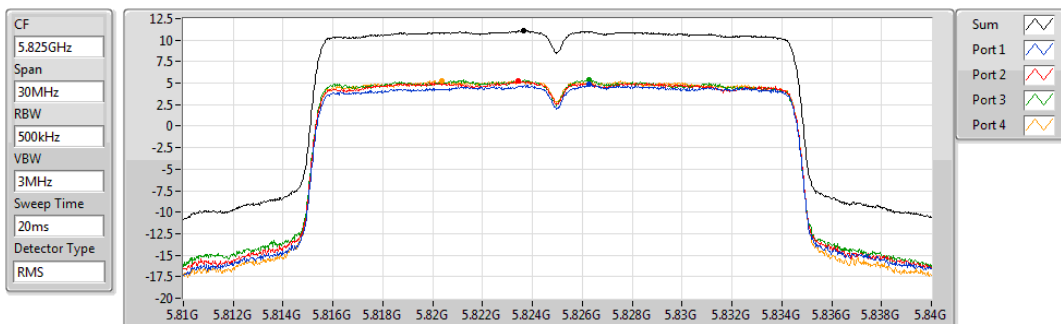
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.59	11.59	5.44	5.64	5.61	6.05

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

11/02/2019



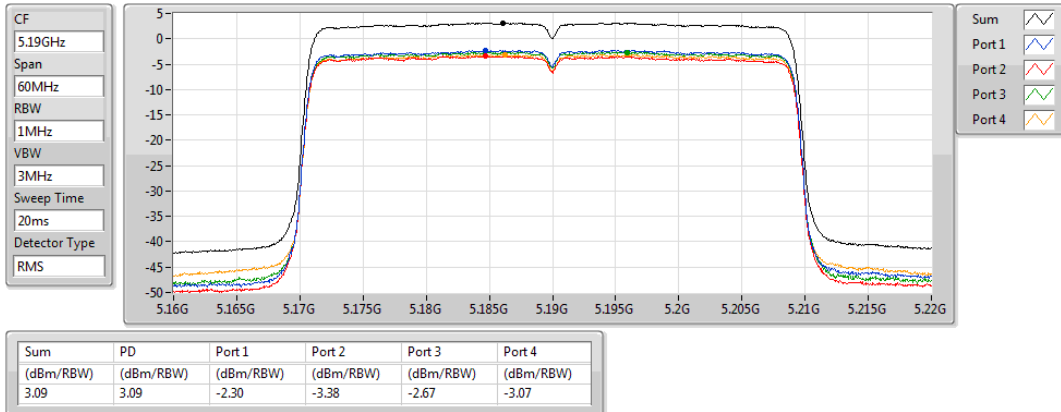
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.09	11.09	4.82	5.21	5.44	5.25

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

11/02/2019

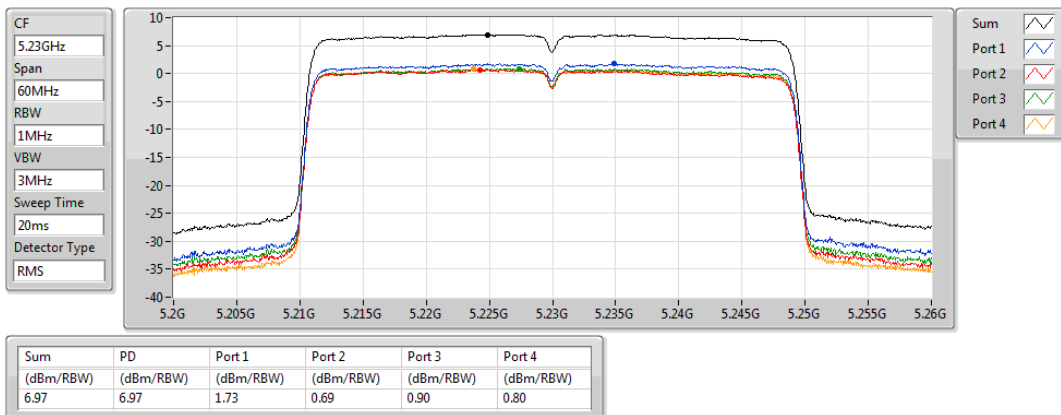


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

11/02/2019

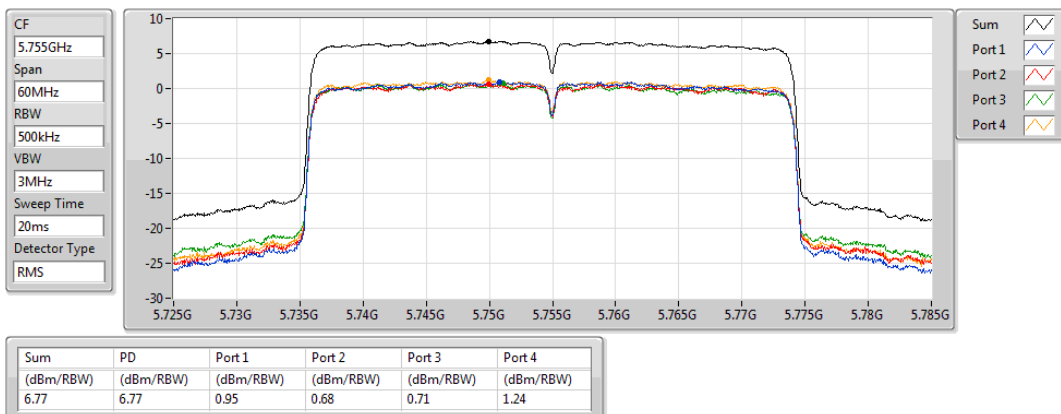


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

11/02/2019

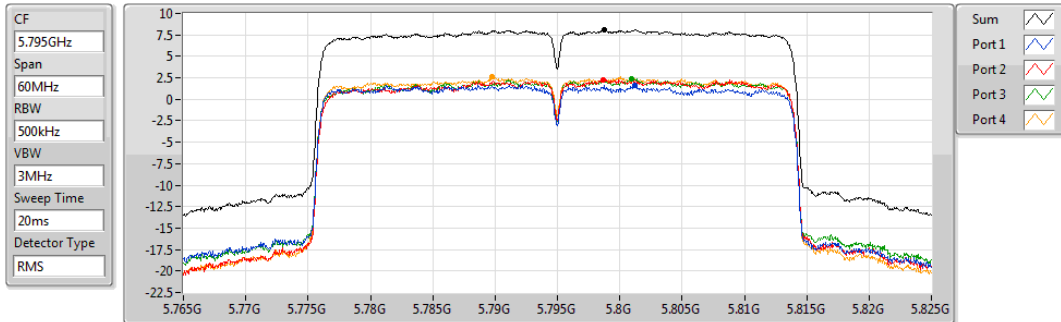


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

11/02/2019



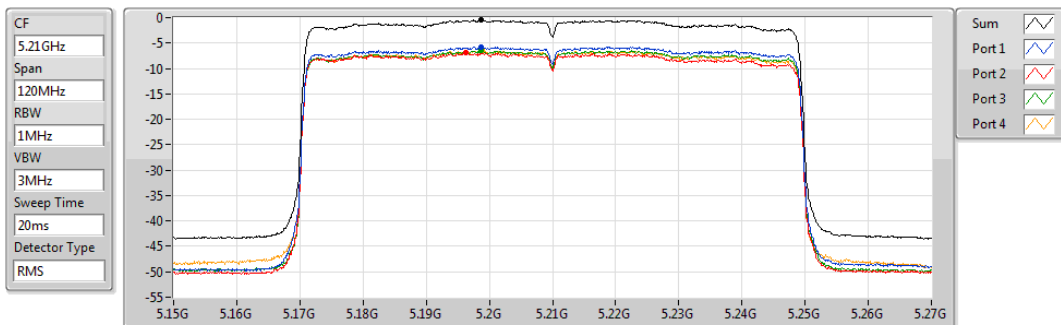
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	1.62	2.31	2.36	2.68

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

11/02/2019



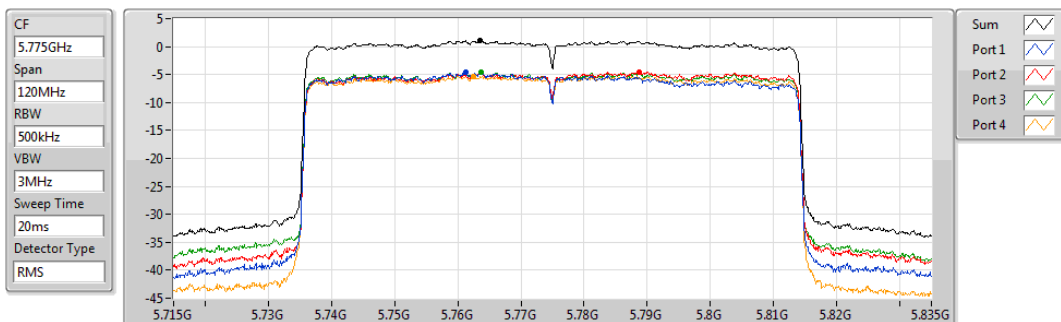
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.43	-0.43	-5.80	-6.96	-6.50	-6.51

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

11/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	-4.56	-4.51	-4.52	-5.30

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.73
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.06
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.63
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.45
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.79
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.19

RBW = 500kHz 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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	1.55	1.26	2.83	1.30	7.73	8.28
5200MHz	Pass	14.72	1.49	1.55	2.51	1.23	7.63	8.28
5240MHz	Pass	14.72	1.56	1.19	2.71	1.05	7.62	8.28
5745MHz	Pass	14.72	0.18	0.40	0.62	0.32	6.27	21.28
5785MHz	Pass	14.72	0.33	0.50	0.81	0.44	6.41	21.28
5825MHz	Pass	14.72	0.47	0.97	0.86	-0.07	6.45	21.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-2.49	-2.88	-2.30	-3.10	3.26	8.28
5230MHz	Pass	14.72	-0.46	-1.07	-0.58	-1.42	5.06	8.28
5755MHz	Pass	14.72	-2.92	-2.20	-1.98	-1.56	3.79	21.28
5795MHz	Pass	14.72	-3.14	-2.40	-2.26	-1.62	3.59	21.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-5.42	-5.54	-4.98	-5.49	0.63	8.28
5775MHz	Pass	14.72	-5.17	-4.23	-4.52	-5.03	1.19	21.28

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

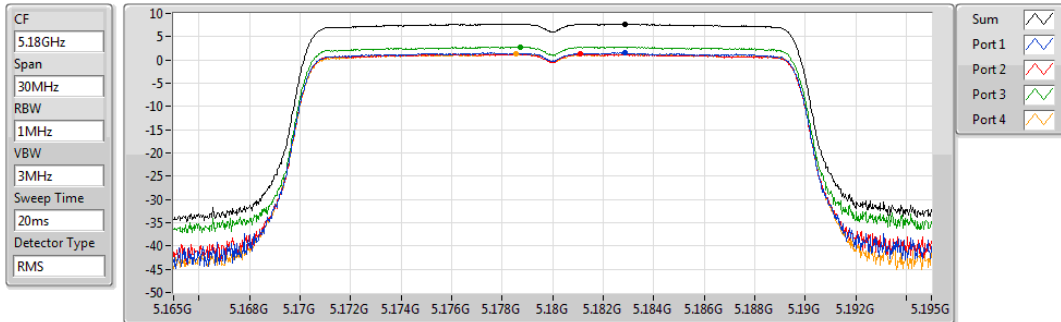
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

13/02/2019



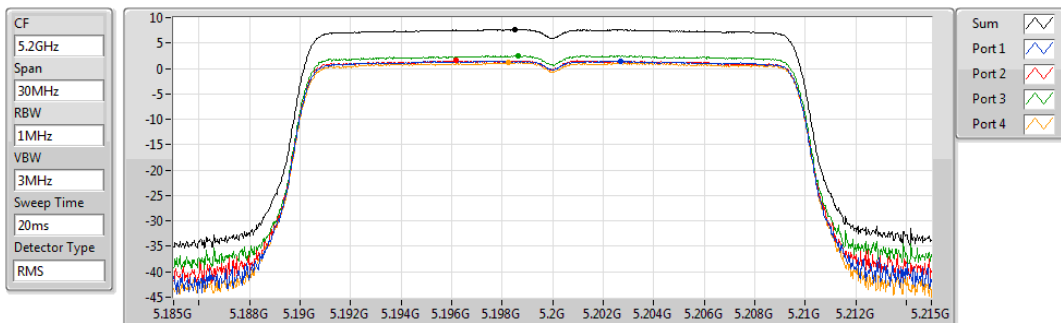
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.73	7.73	1.55	1.26	2.83	1.30

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

13/02/2019



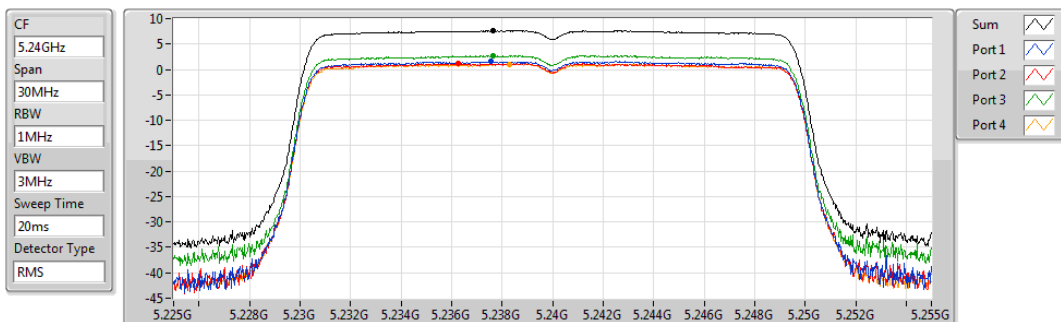
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.63	7.63	1.49	1.55	2.51	1.23

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

13/02/2019



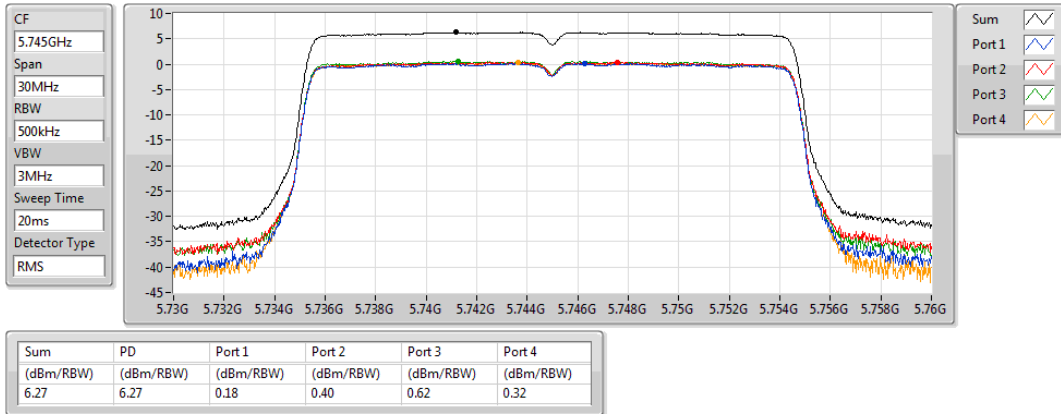
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.62	7.62	1.56	1.19	2.71	1.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

13/02/2019

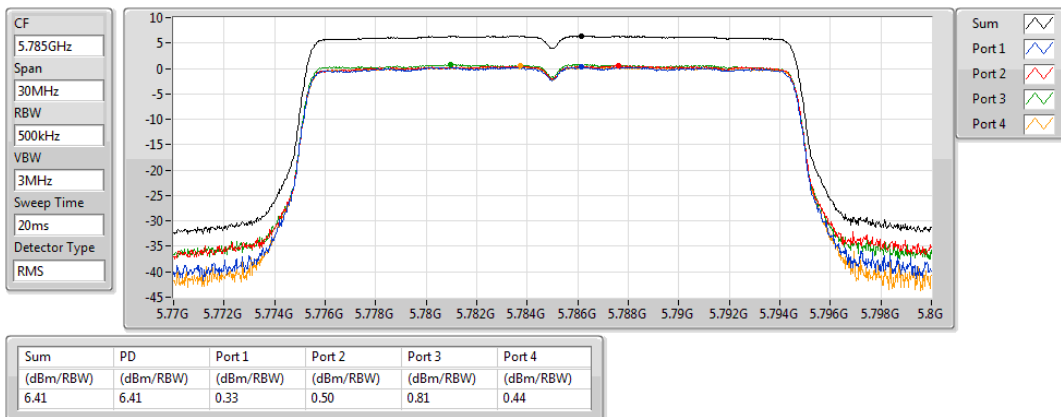


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

13/02/2019

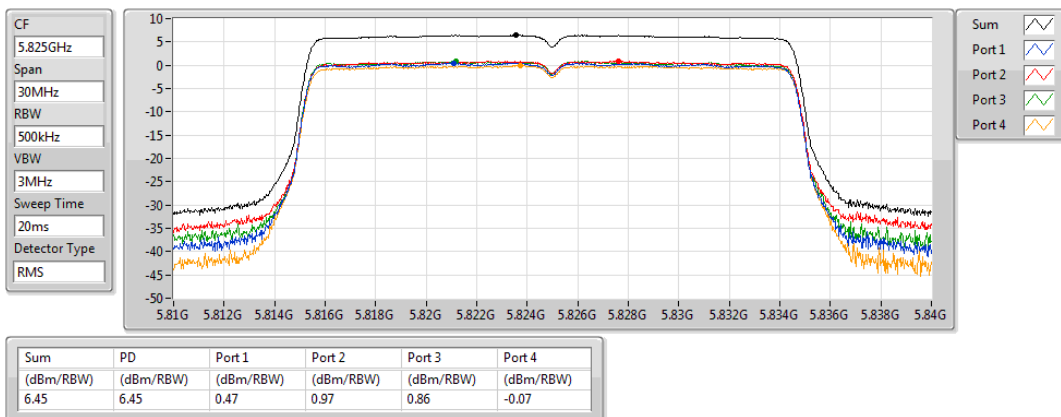


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

13/02/2019

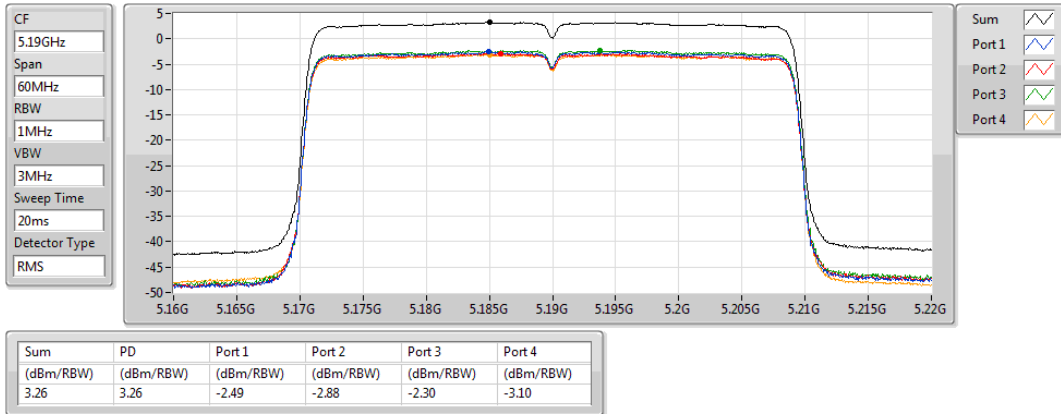


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

13/02/2019

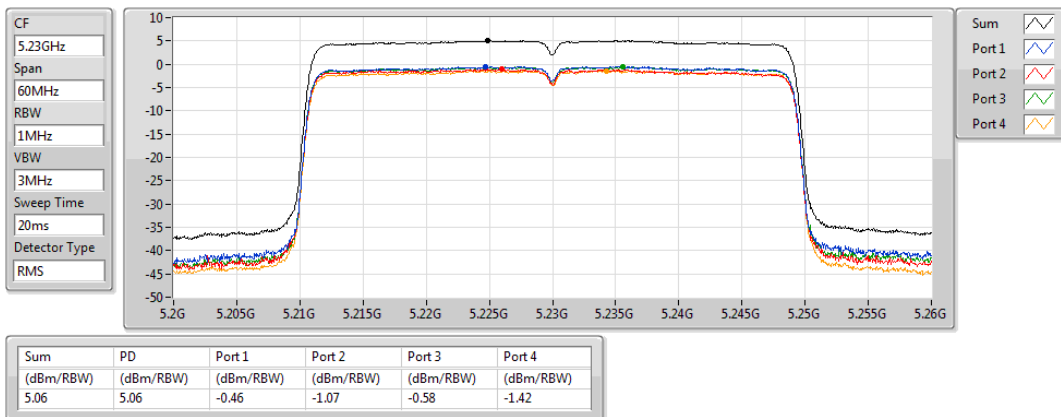


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

13/02/2019

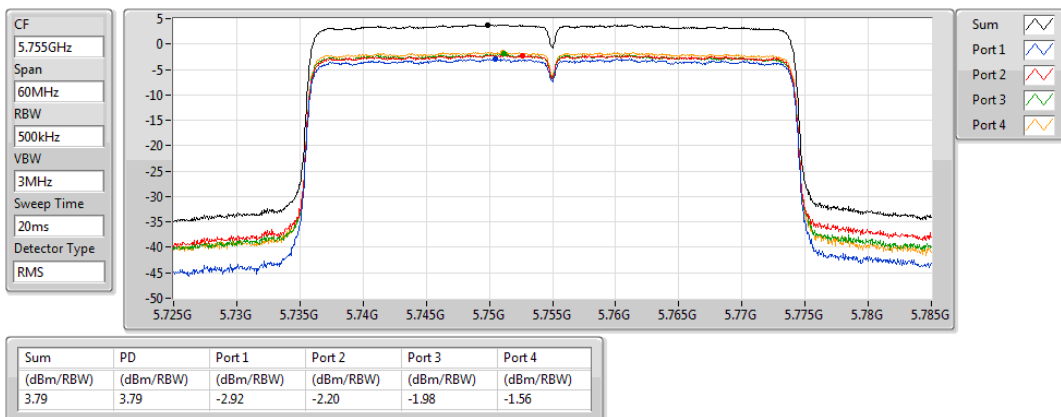


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

13/02/2019

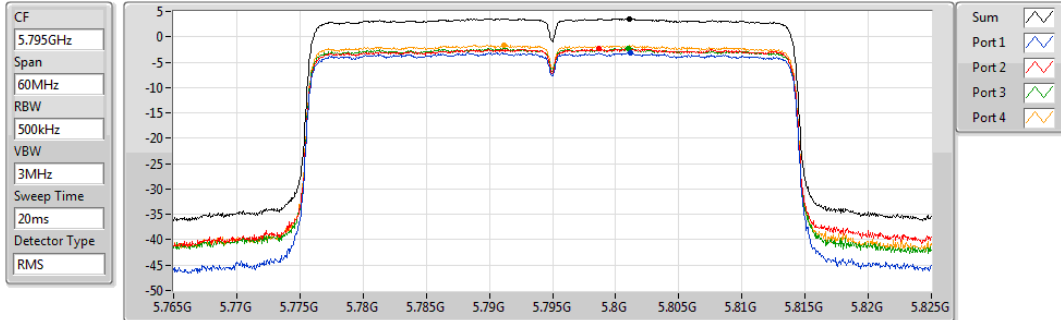


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

13/02/2019



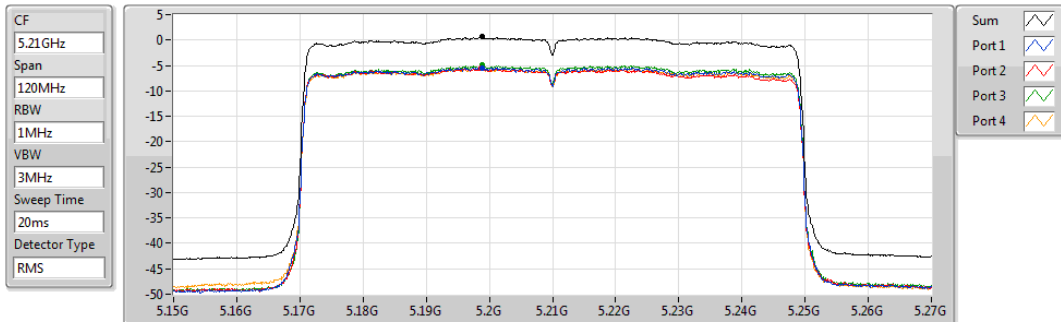
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.59	3.59	-3.14	-2.40	-2.26	-1.62

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

13/02/2019



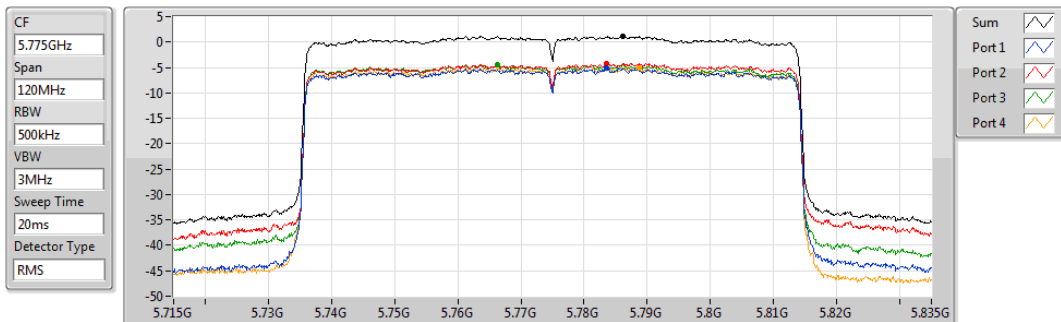
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.63	0.63	-5.42	-5.54	-4.98	-5.49

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

13/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.19	1.19	-5.17	-4.23	-4.52	-5.03

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.82
802.11ax HEW40_Nss4,(MCS0)_4TX	7.51
802.11ax HEW80_Nss4,(MCS0)_4TX	-1.36
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.59
802.11ax HEW40_Nss4,(MCS0)_4TX	7.98
802.11ax HEW80_Nss4,(MCS0)_4TX	1.94

RBW = 500kHz 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)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.70	1.73	1.23	2.37	1.35	7.60	14.30
5200MHz	Pass	8.70	5.50	5.32	6.39	5.25	11.56	14.30
5240MHz	Pass	8.70	7.04	6.89	7.29	6.48	12.82	14.30
5745MHz	Pass	8.70	6.21	5.80	5.12	5.93	11.59	27.30
5785MHz	Pass	8.70	5.34	5.42	4.94	5.74	11.23	27.30
5825MHz	Pass	8.70	5.26	5.54	5.43	5.41	11.27	27.30
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.70	-2.99	-3.23	-2.91	-3.60	2.64	14.30
5230MHz	Pass	8.70	1.86	1.67	2.14	0.81	7.51	14.30
5755MHz	Pass	8.70	1.32	0.64	0.61	1.20	6.84	27.30
5795MHz	Pass	8.70	1.88	2.27	2.02	2.19	7.98	27.30
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.70	-7.08	-7.20	-6.76	-8.13	-1.36	14.30
5775MHz	Pass	8.70	-3.23	-3.63	-4.38	-4.42	1.94	27.30

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

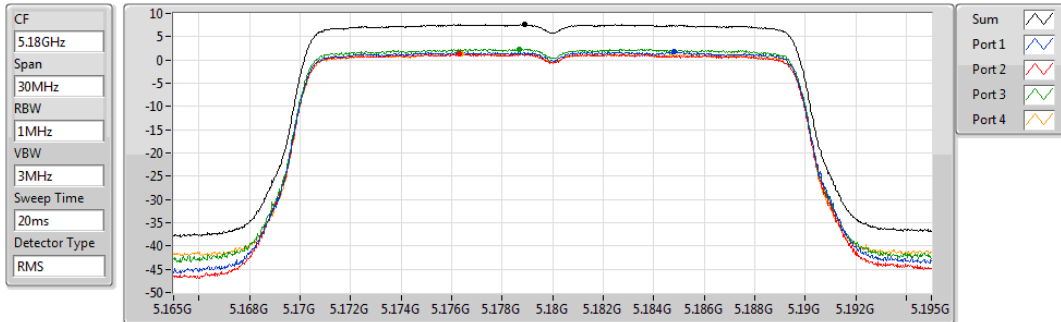
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

11/02/2019



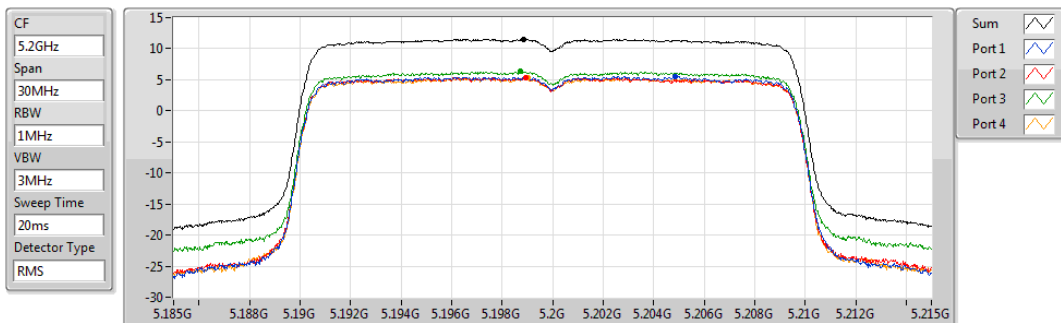
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.60	7.60	1.73	1.23	2.37	1.35

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

11/02/2019



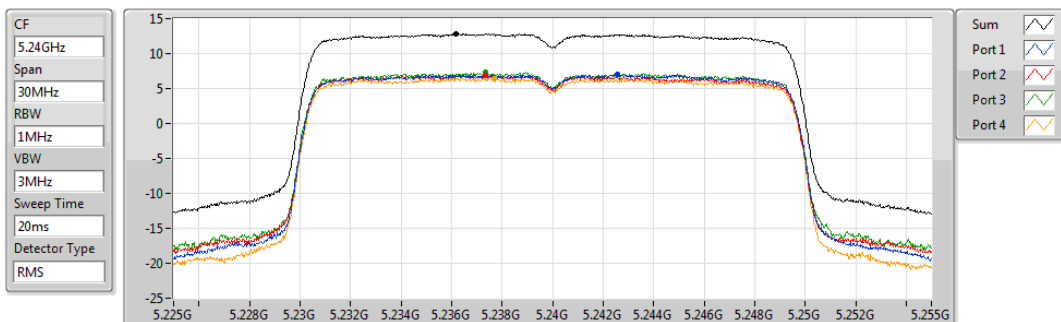
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.56	11.56	5.50	5.32	6.39	5.25

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

11/02/2019



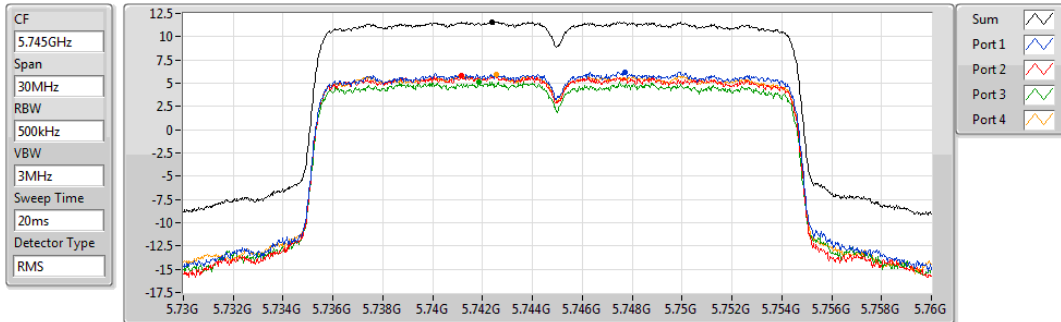
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.82	12.82	7.04	6.89	7.29	6.48

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

11/02/2019



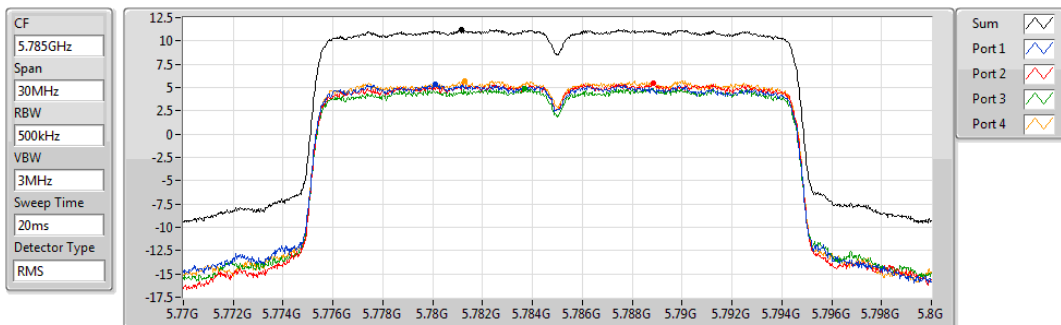
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.59	11.59	6.21	5.80	5.12	5.93

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

11/02/2019



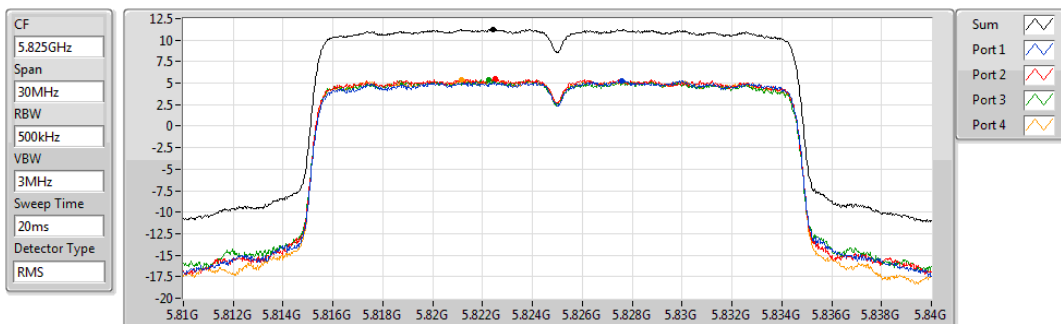
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.23	11.23	5.34	5.42	4.94	5.74

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

11/02/2019



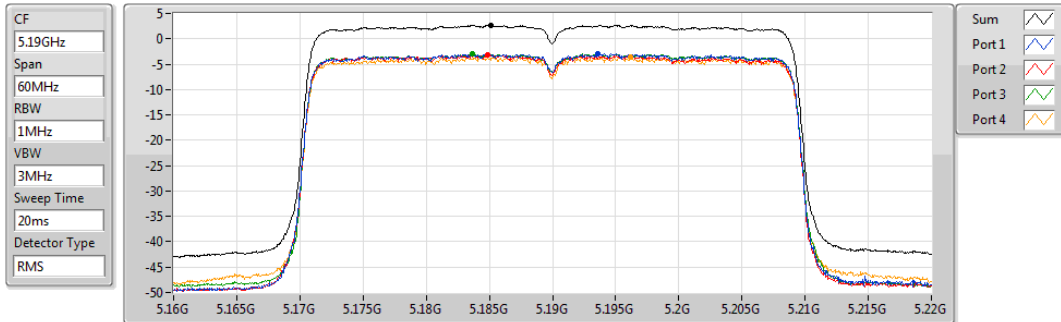
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.27	11.27	5.26	5.54	5.43	5.41

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

11/02/2019



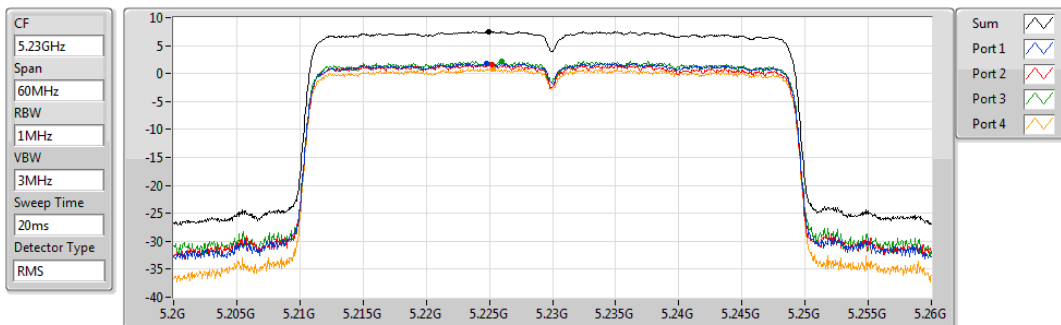
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.64	2.64	-2.99	-3.23	-2.91	-3.60

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

11/02/2019



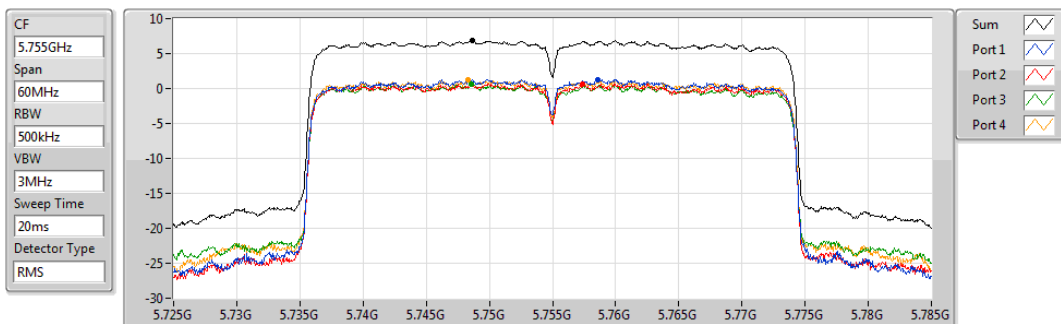
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.51	7.51	1.86	1.67	2.14	0.81

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

11/02/2019



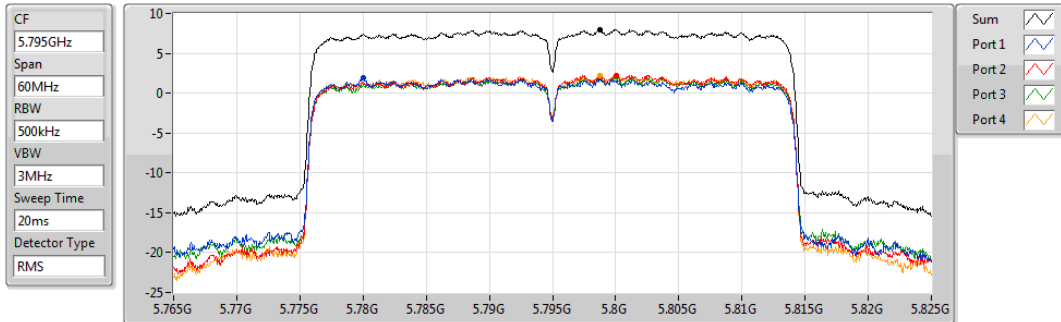
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.84	6.84	1.32	0.64	0.61	1.20

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

11/02/2019



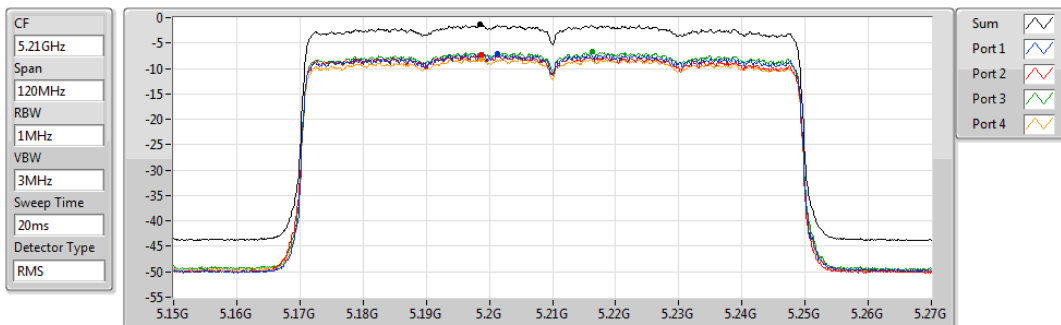
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	1.88	2.27	2.02	2.19

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

11/02/2019



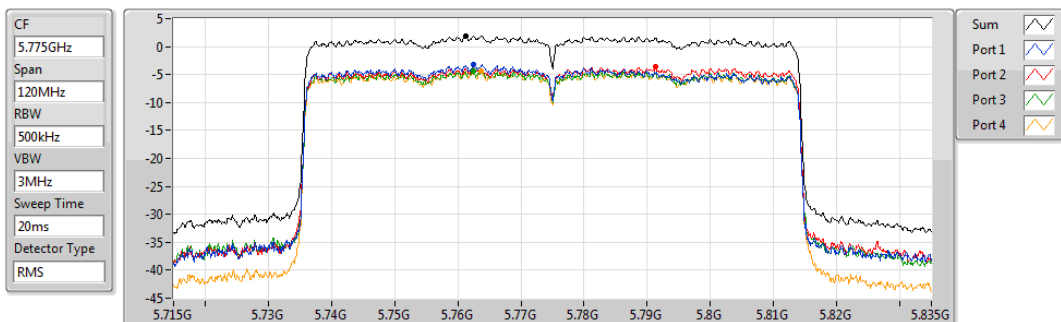
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.36	-1.36	-7.08	-7.20	-6.76	-8.13

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

11/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.94	1.94	-3.23	-3.63	-4.38	-4.42

For outdoor use for 5G Band 1:
Mode 1: (Ant. 5 Panel antenna / 3 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	2.79
802.11ax HEW20_Nss1,(MCS0)_1TX	2.44
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.47
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.58

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	2.77	2.77	17.00
5200MHz	Pass	3.00	2.78	2.78	17.00
5240MHz	Pass	3.00	2.79	2.79	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	2.37	2.37	17.00
5200MHz	Pass	3.00	2.44	2.44	17.00
5240MHz	Pass	3.00	2.28	2.28	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.00	-1.36	-1.36	17.00
5230MHz	Pass	3.00	-0.47	-0.47	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.00	-4.58	-4.58	17.00

DG = Directional Gain; **RBW** = 500kHz 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 Xpower density;

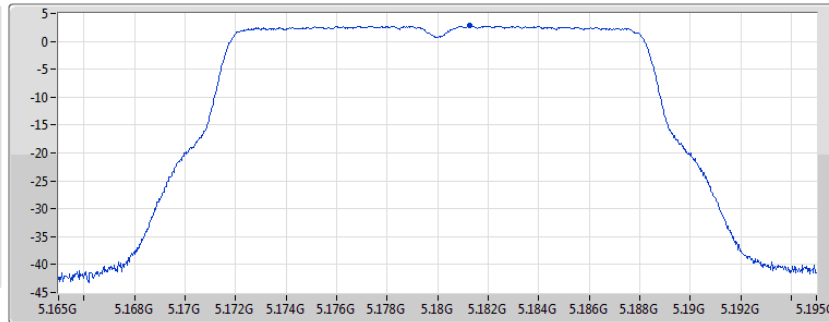
802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

02/03/2019

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.77	2.77	2.77

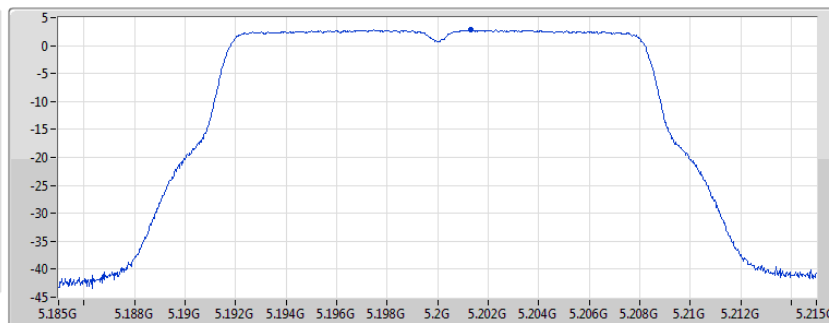
802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

02/03/2019

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

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

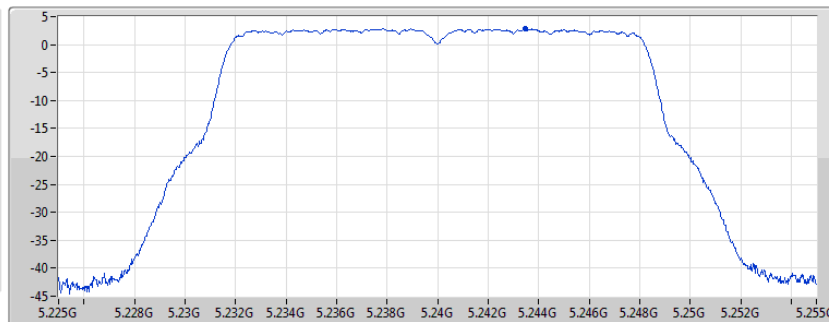
802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

02/03/2019

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

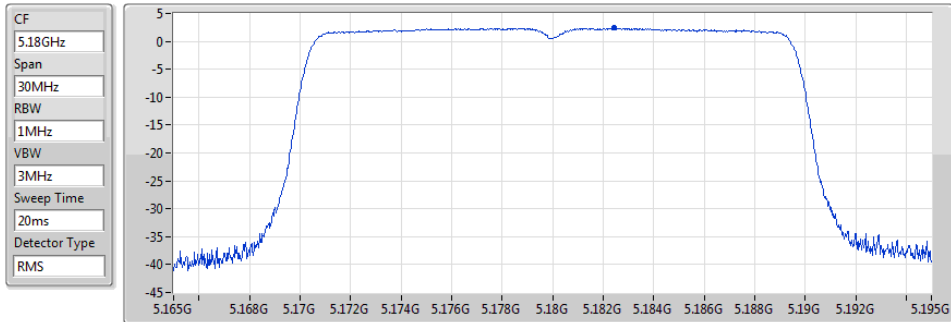
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.79	2.79	2.79

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

02/03/2019



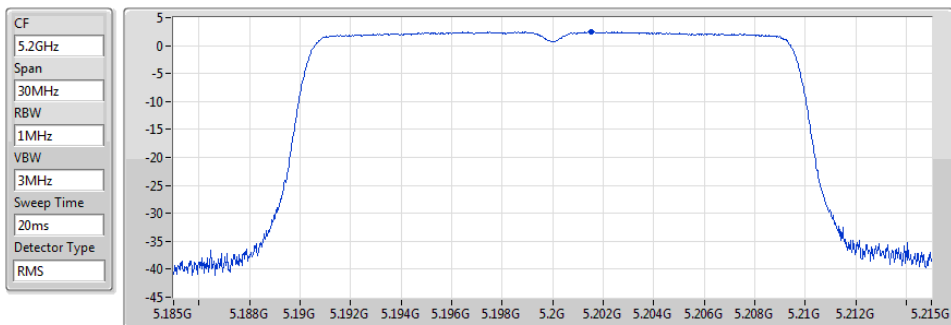
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.37	2.37	2.37

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

02/03/2019



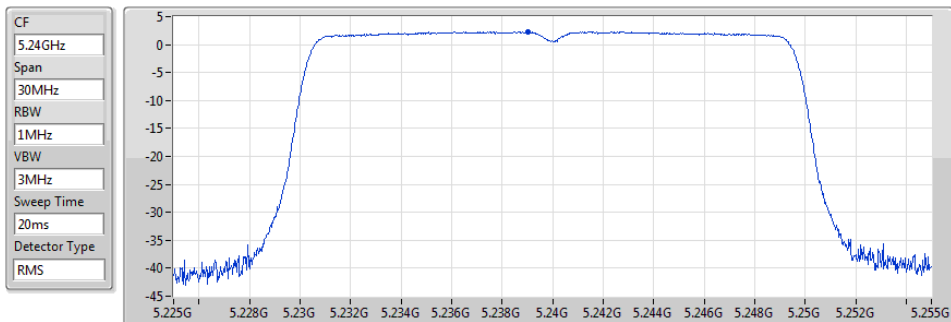
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.44	2.44	2.44

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

02/03/2019



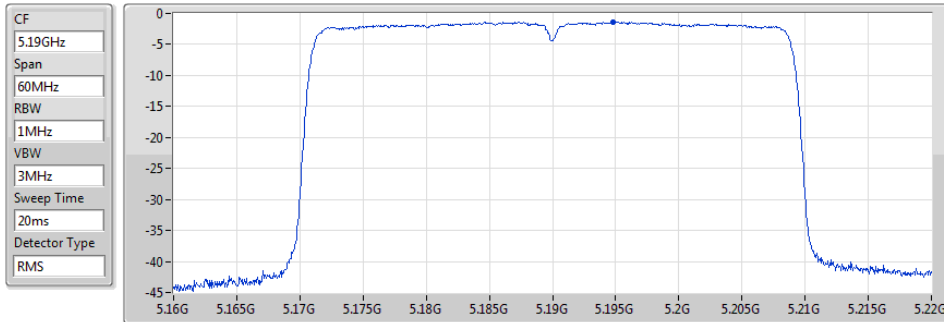
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.28	2.28	2.28

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

11/02/2019



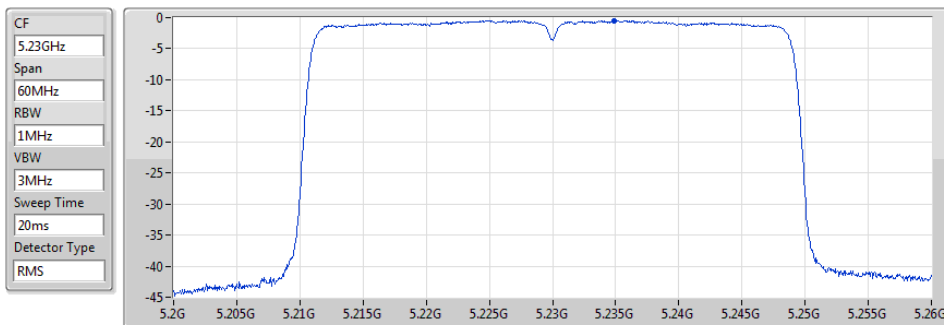
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.36	-1.36	-1.36

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

02/03/2019



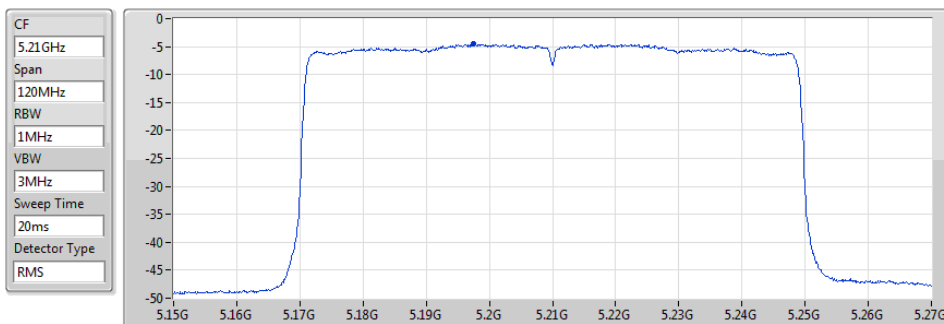
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.47	-0.47	-0.47

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

02/03/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.58	-4.58	-4.58

**For Non-beamforming / 2T2S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	2.34
802.11ax HEW40_Nss2,(MCS0)_2TX	-0.55
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.89

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



PSD Result_Radio 1

Appendix D.17

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.00	-0.25	-1.40	2.17	17.00
5200MHz	Pass	3.00	-0.44	-0.82	2.34	17.00
5240MHz	Pass	3.00	-0.56	-1.18	2.14	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.00	-3.33	-3.82	-0.59	17.00
5230MHz	Pass	3.00	-3.15	-3.89	-0.55	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.00	-5.88	-5.87	-2.89	17.00

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

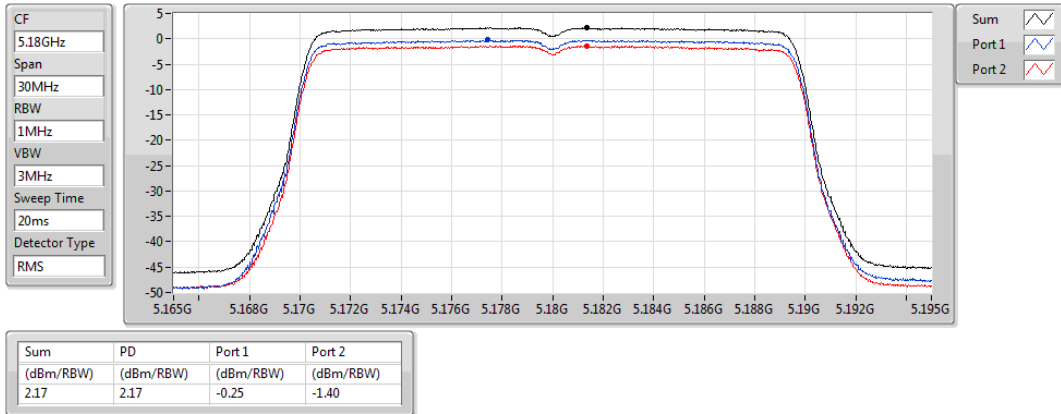
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

02/03/2019

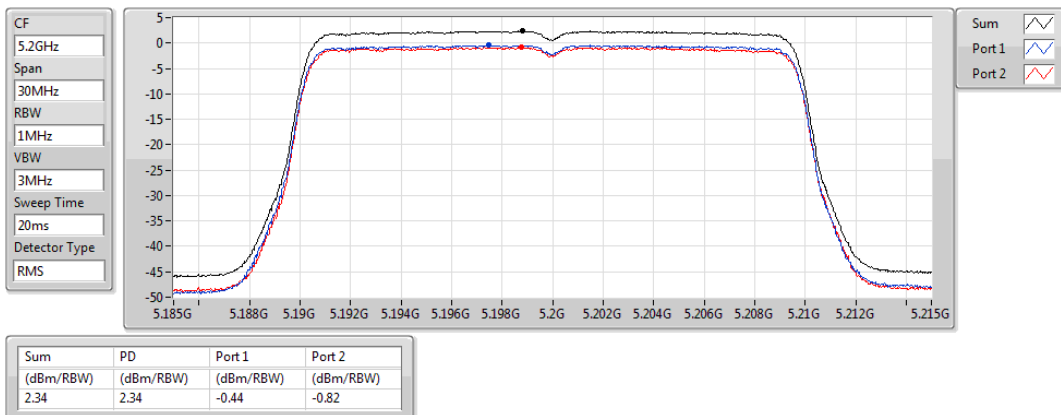


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

02/03/2019

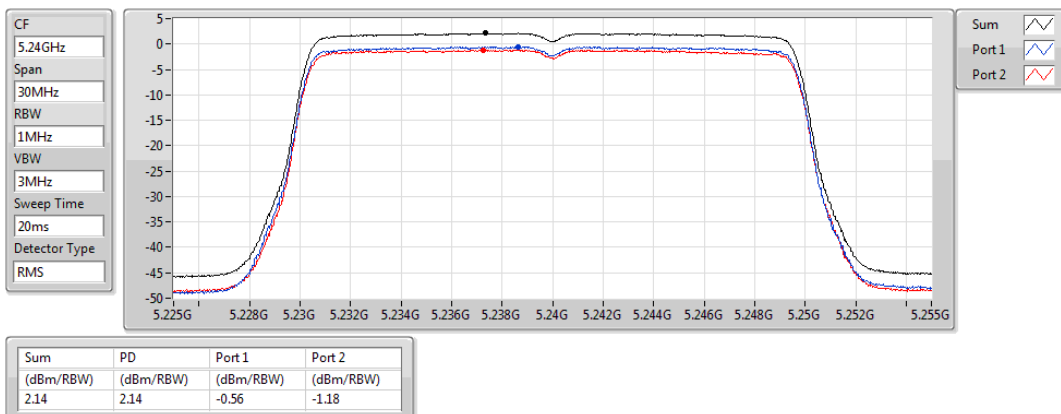


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

02/03/2019

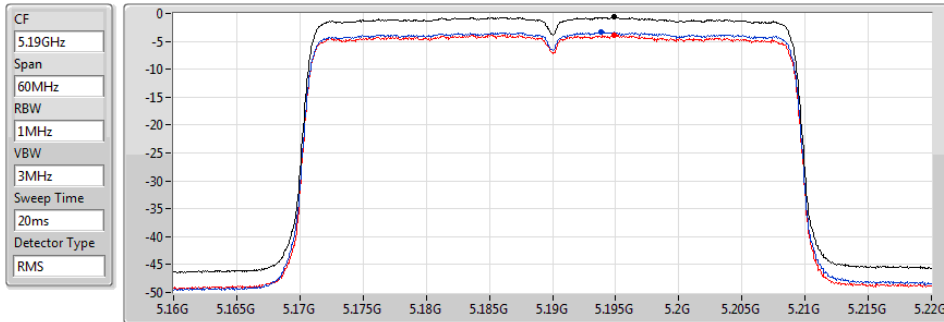


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

02/03/2019



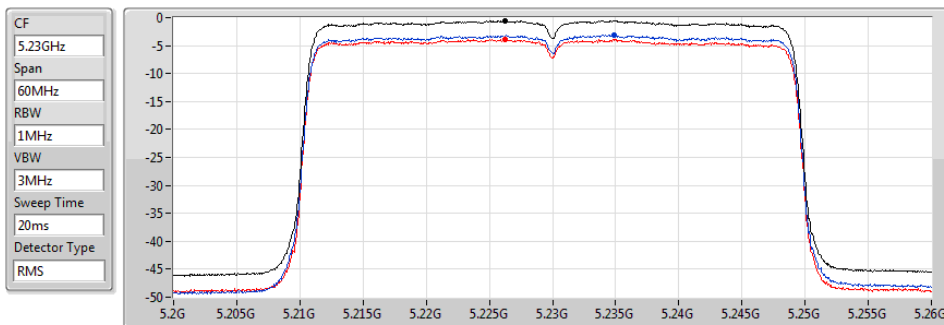
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-3.33	-3.82

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

02/03/2019



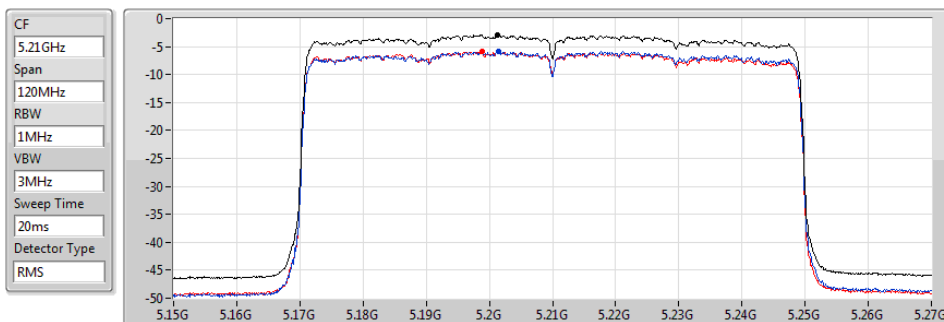
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.55	-0.55	-3.15	-3.89

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

02/03/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.89	-2.89	-5.88	-5.87

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.97
802.11ax HEW20_Nss1,(MCS0)_4TX	2.36
802.11ax HEW40_Nss1,(MCS0)_4TX	-0.44
802.11ax HEW80_Nss1,(MCS0)_4TX	-3.28

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-2.99	-3.49	-2.78	-3.00	2.83	13.98
5200MHz	Pass	9.02	-2.70	-3.42	-2.80	-3.29	2.85	13.98
5240MHz	Pass	9.02	-2.71	-3.01	-2.85	-3.32	2.97	13.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-3.44	-4.06	-3.16	-3.75	2.36	13.98
5200MHz	Pass	9.02	-3.37	-3.84	-3.76	-3.80	2.26	13.98
5240MHz	Pass	9.02	-3.42	-3.97	-3.51	-4.02	2.23	13.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-6.07	-7.02	-6.77	-6.71	-0.71	13.98
5230MHz	Pass	9.02	-5.91	-6.70	-6.25	-6.66	-0.44	13.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-8.89	-9.58	-9.17	-9.37	-3.28	13.98

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

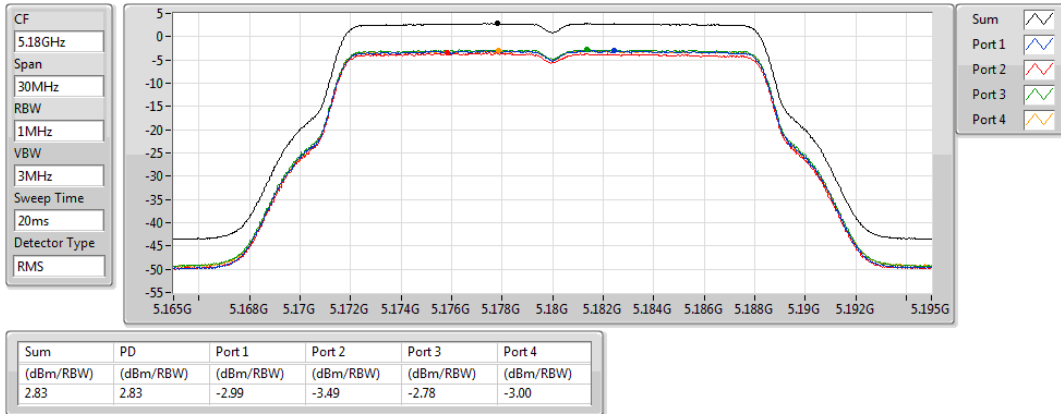
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

02/03/2019

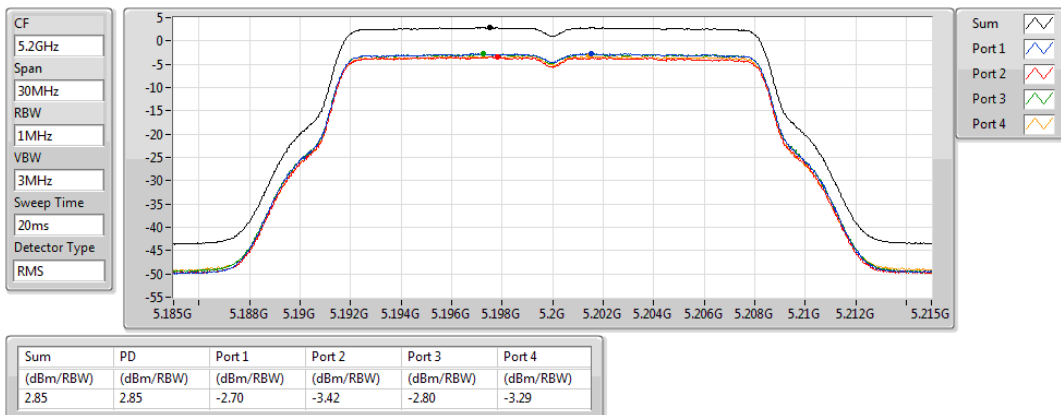


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

02/03/2019

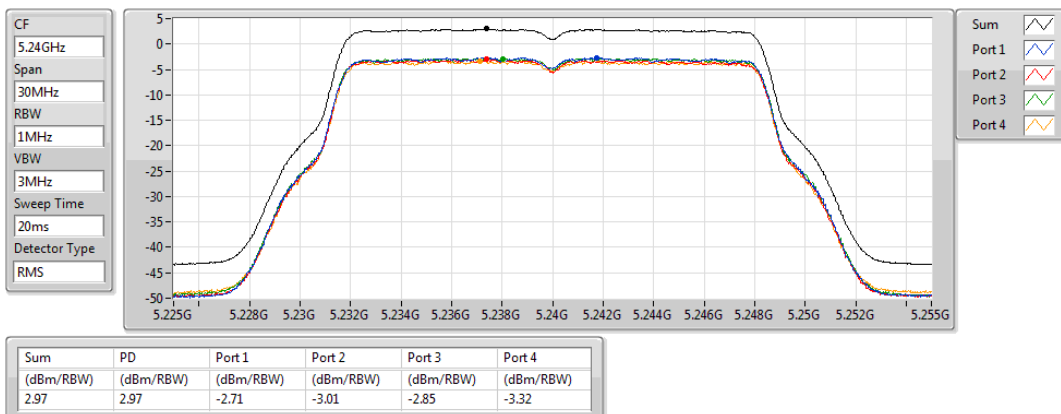


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

02/03/2019

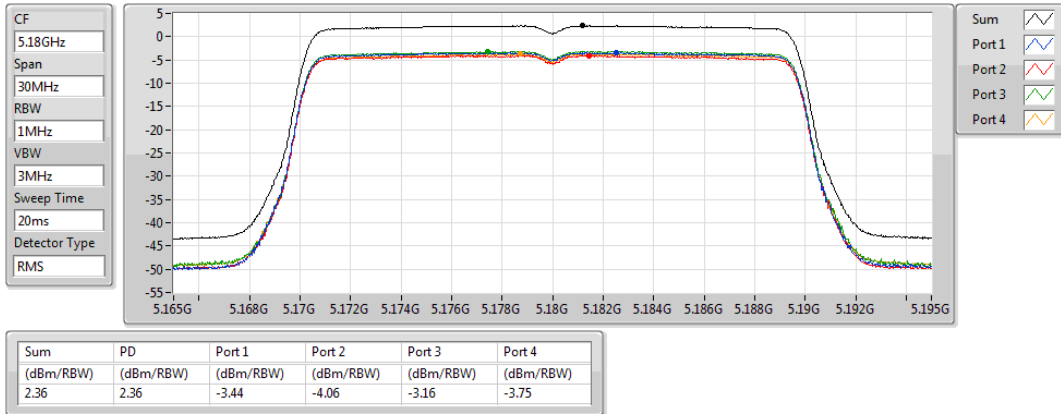


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

02/03/2019

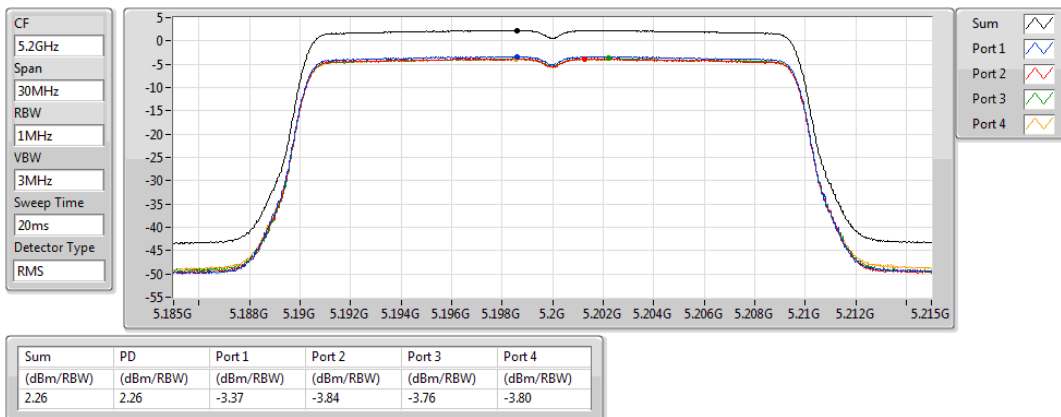


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

02/03/2019

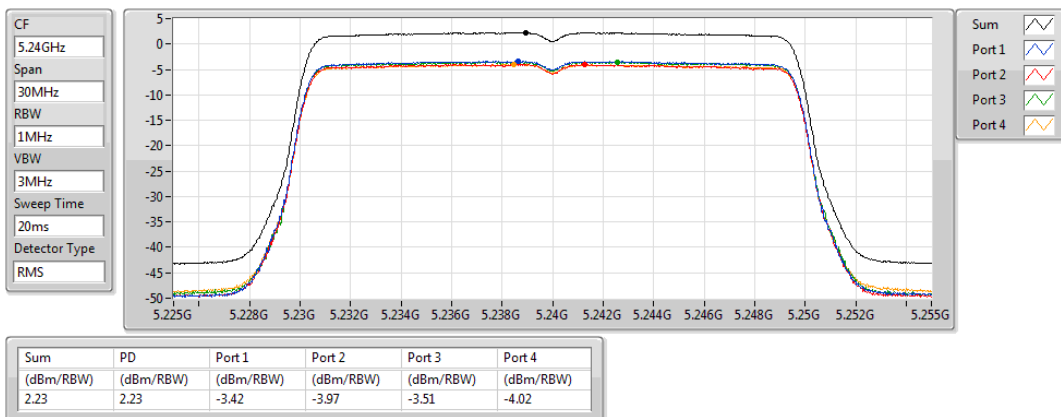


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

02/03/2019

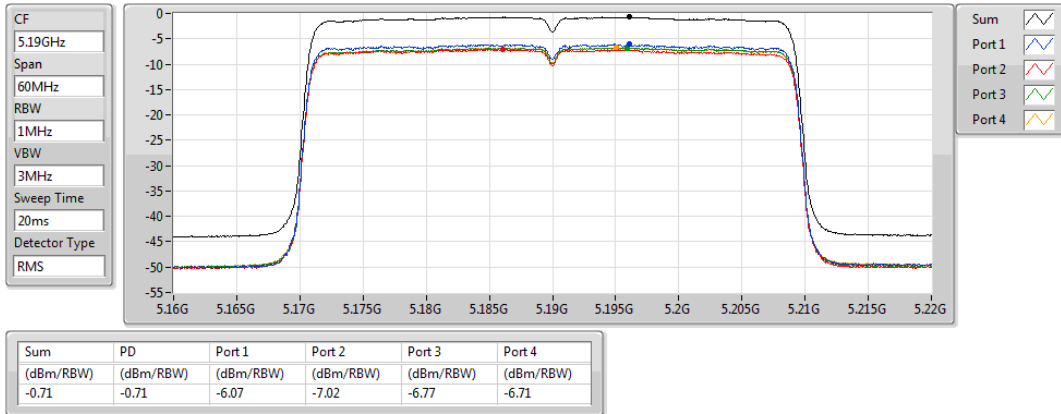


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

02/03/2019

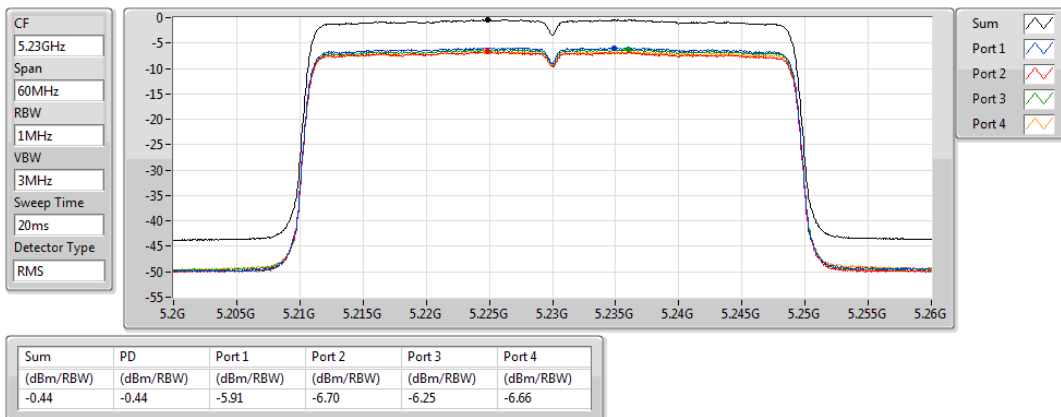


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

02/03/2019

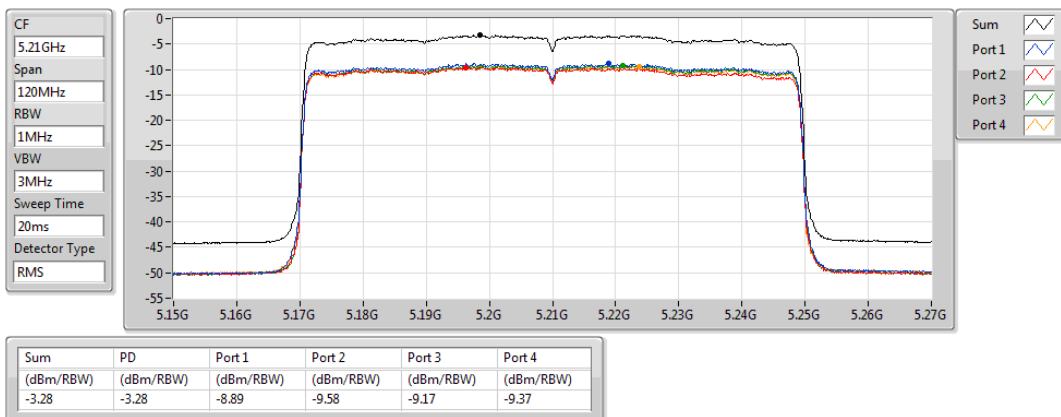


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

02/03/2019





PSD Result_Radio 1

Appendix D.19

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.10
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-6.13
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-9.29

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



PSD Result_Radio 1

Appendix D.19

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-9.54	-8.89	-8.29	-9.53	-3.10	13.98
5200MHz	Pass	9.02	-9.58	-9.10	-8.25	-9.43	-3.13	13.98
5240MHz	Pass	9.02	-9.64	-9.36	-8.17	-9.92	-3.31	13.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-12.05	-11.92	-11.81	-12.45	-6.13	13.98
5230MHz	Pass	9.02	-12.02	-12.13	-11.72	-12.81	-6.23	13.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-15.44	-15.29	-14.90	-15.17	-9.29	13.98

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

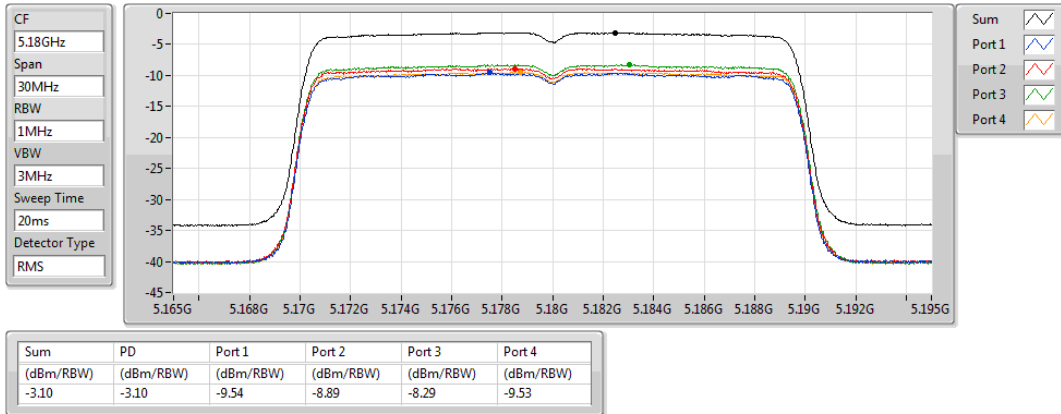
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

03/03/2019

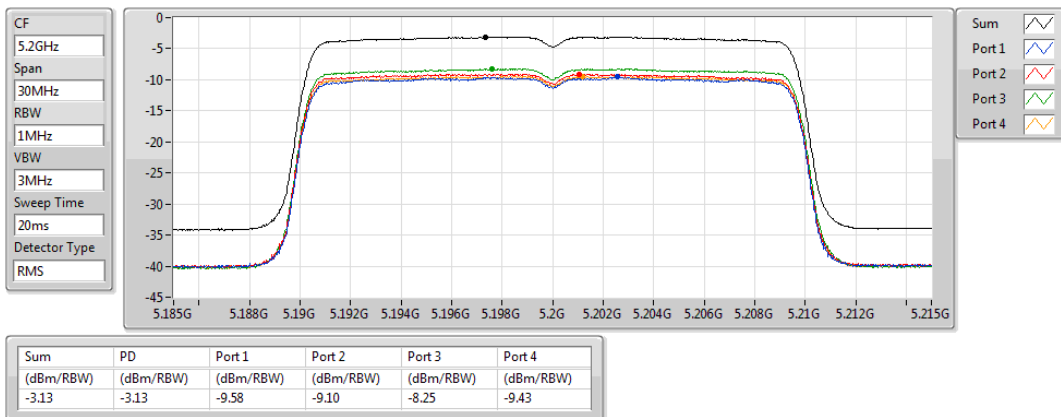


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

03/03/2019

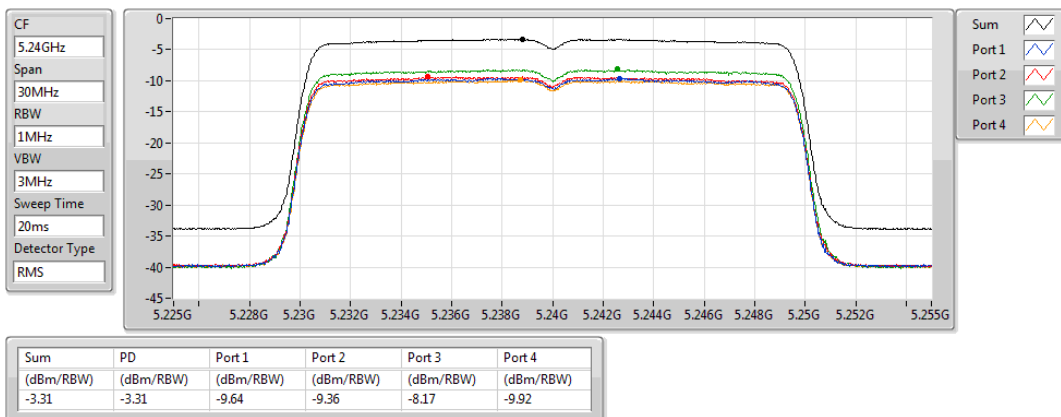


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

03/03/2019

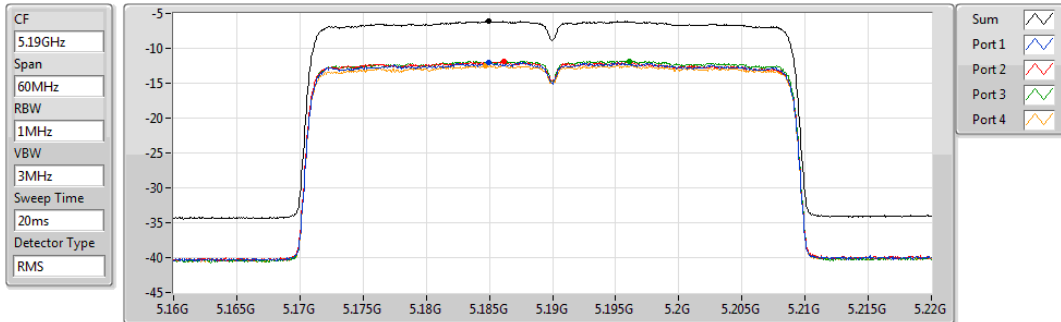


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

03/03/2019



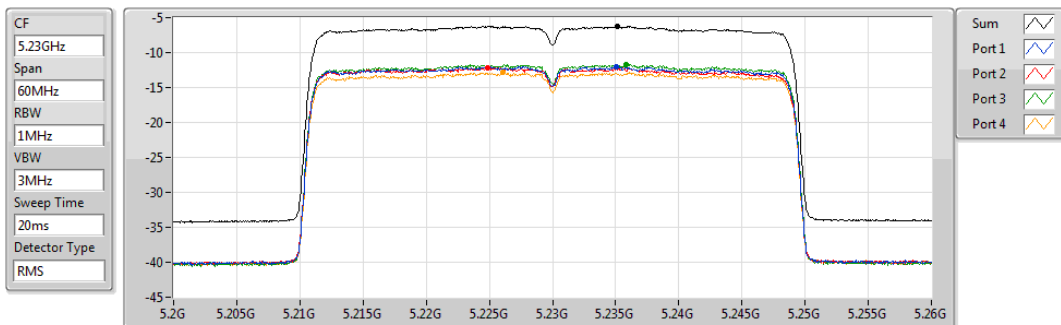
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.13	-6.13	-12.05	-11.92	-11.81	-12.45

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

03/03/2019



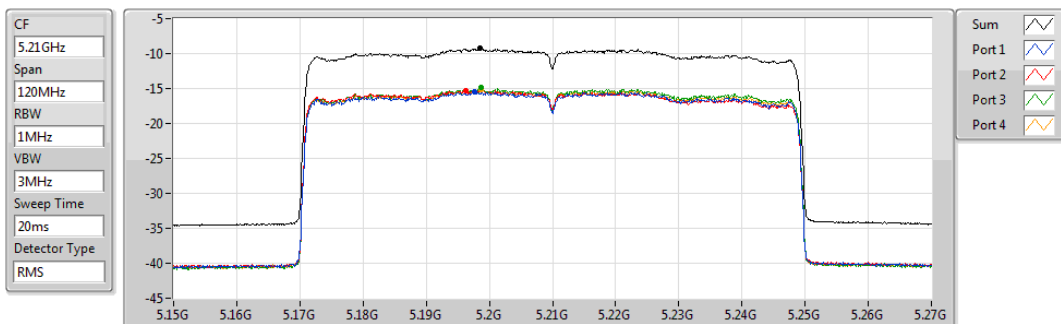
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.23	-6.23	-12.02	-12.13	-11.72	-12.81

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

03/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.29	-9.29	-15.44	-15.29	-14.90	-15.17

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	2.46
802.11ax HEW40_Nss4,(MCS0)_4TX	-0.21
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.72

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



PSD Result_Radio 1

Appendix D.20

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.00	-3.48	-3.75	-3.25	-3.69	2.37	17.00
5200MHz	Pass	3.00	-3.11	-3.93	-3.40	-3.60	2.40	17.00
5240MHz	Pass	3.00	-3.19	-3.67	-3.14	-3.83	2.46	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.00	-6.01	-6.36	-5.70	-6.51	-0.24	17.00
5230MHz	Pass	3.00	-5.70	-6.06	-5.90	-6.53	-0.21	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.00	-9.60	-9.84	-9.20	-9.50	-3.72	17.00

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

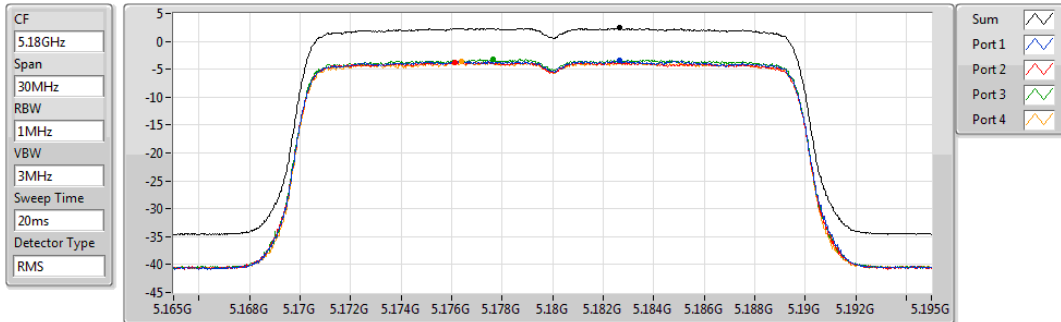
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

02/03/2019



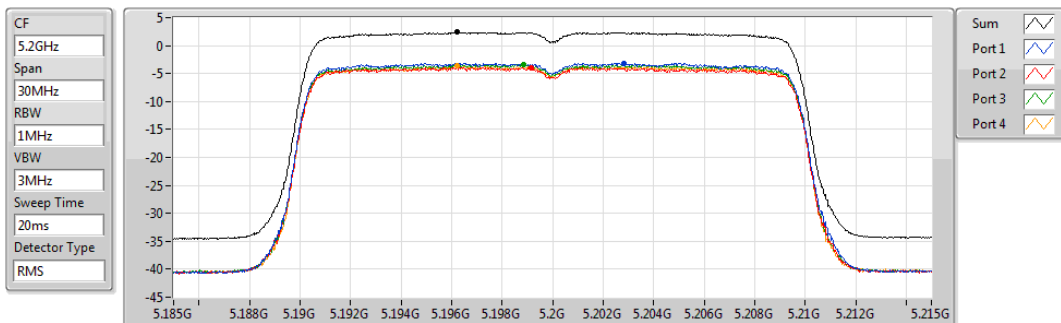
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.37	2.37	-3.48	-3.75	-3.25	-3.69

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

02/03/2019



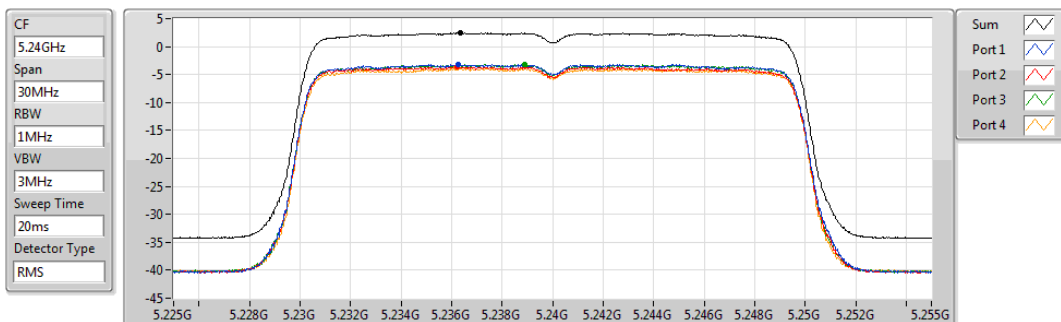
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.40	2.40	-3.11	-3.93	-3.40	-3.60

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

02/03/2019



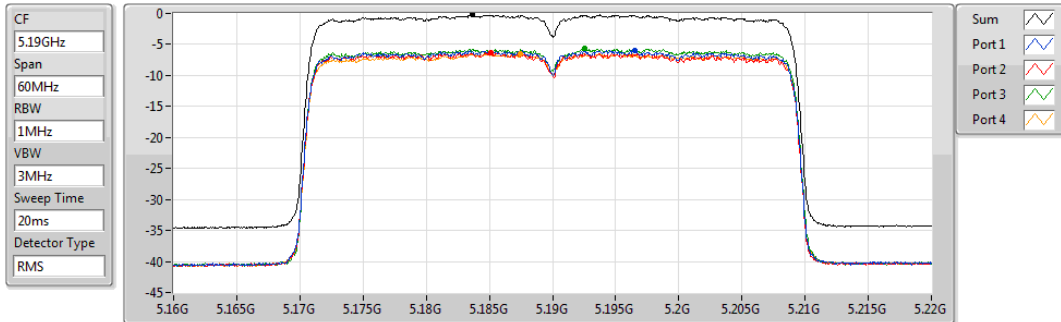
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.46	2.46	-3.19	-3.67	-3.14	-3.83

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

02/03/2019



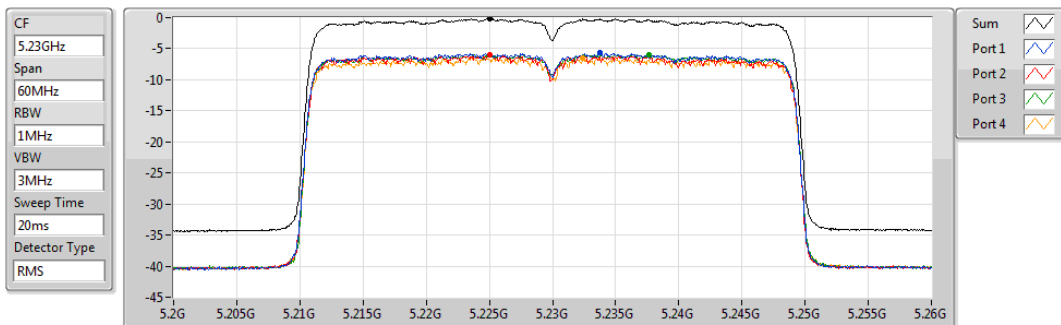
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.24	-0.24	-6.01	-6.36	-5.70	-6.51

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

02/03/2019



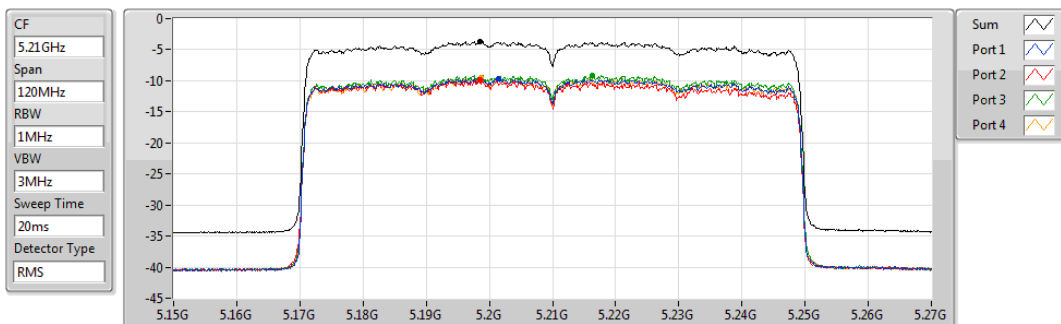
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.21	-0.21	-5.70	-6.06	-5.90	-6.53

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

02/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.72	-3.72	-9.60	-9.84	-9.20	-9.50



PSD Result_Radio 1

Appendix D.21

Mode 2: (Ant. 6 Omni antenna / 6 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.85
802.11ax HEW20_Nss1,(MCS0)_1TX	6.96
802.11ax HEW40_Nss1,(MCS0)_1TX	2.15
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.84

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	3.64	3.64	17.00
5200MHz	Pass	6.00	7.44	7.44	17.00
5240MHz	Pass	6.00	7.85	7.85	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	2.45	2.45	17.00
5200MHz	Pass	6.00	6.33	6.33	17.00
5240MHz	Pass	6.00	6.96	6.96	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.00	-1.80	-1.80	17.00
5230MHz	Pass	6.00	2.15	2.15	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.00	-4.84	-4.84	17.00

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

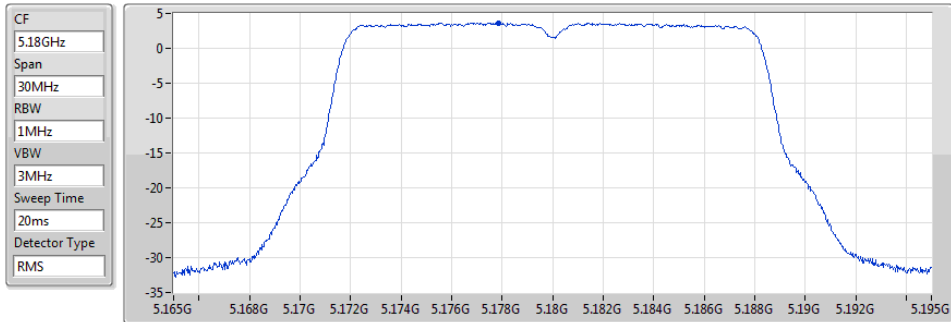
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

28/01/2019



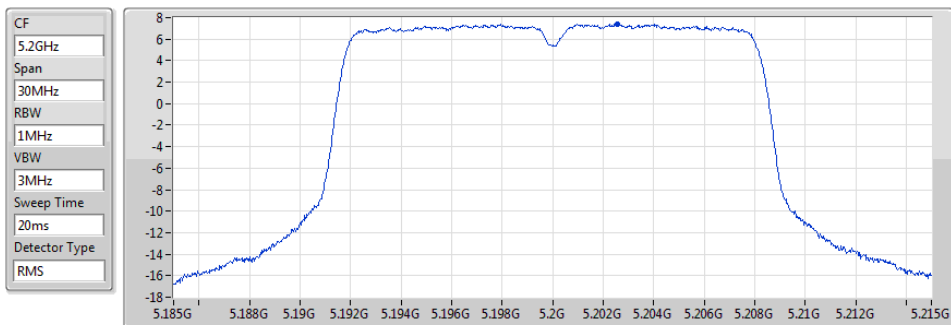
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.64	3.64	3.64

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

28/01/2019



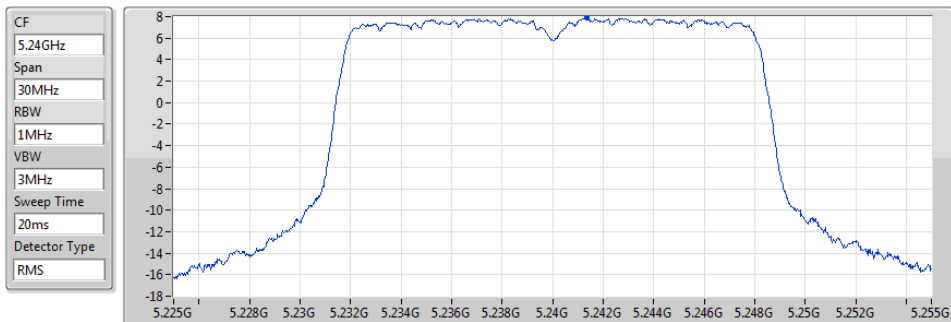
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.44	7.44	7.44

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

28/01/2019



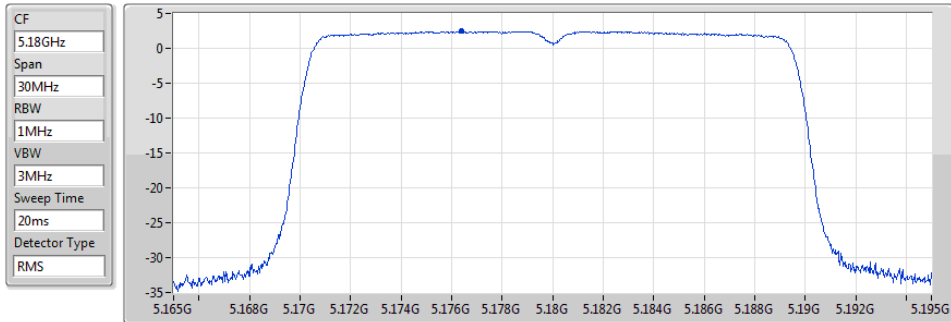
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.85	7.85	7.85

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

28/01/2019



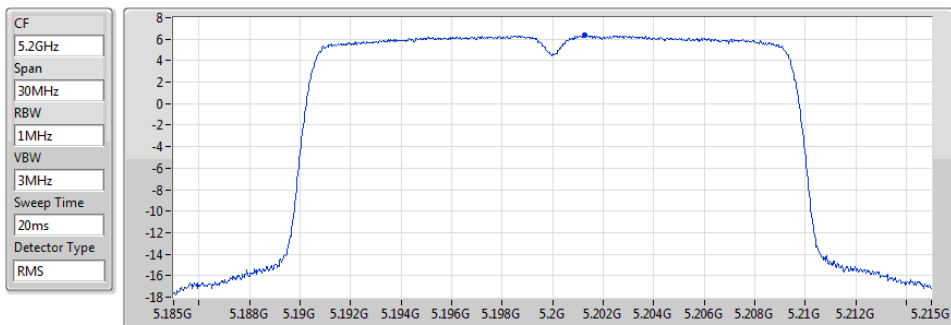
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.45	2.45	2.45

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

28/01/2019



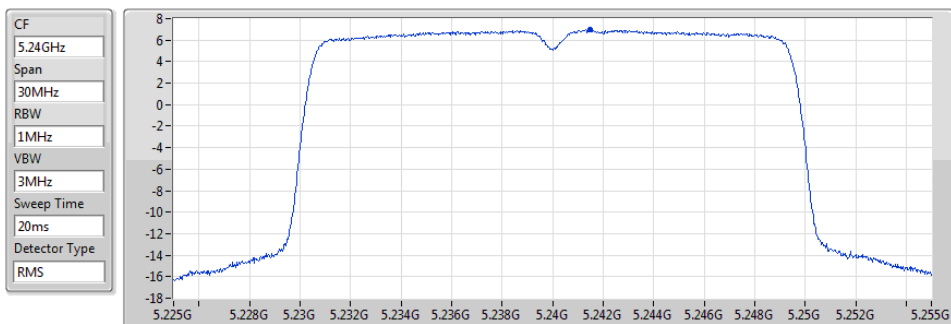
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.33	6.33	6.33

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

28/01/2019



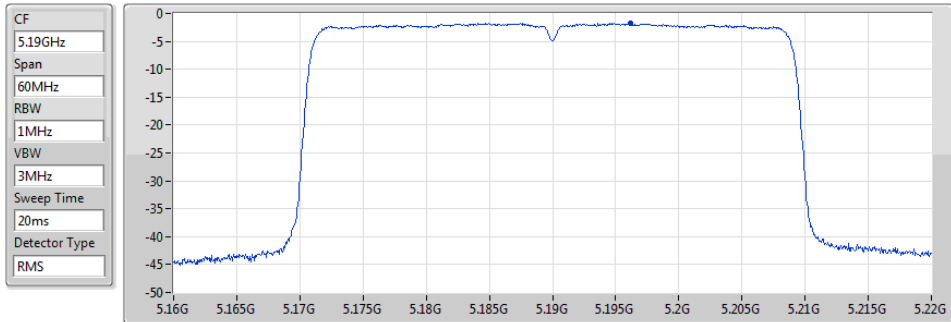
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.96	6.96	6.96

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

28/01/2019



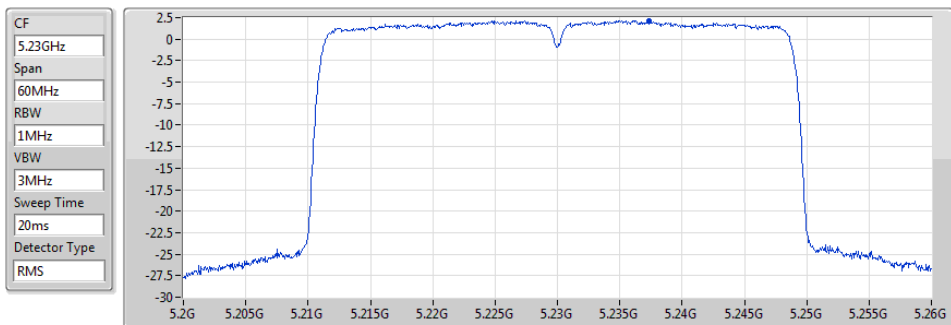
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.80	-1.80	-1.80

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

28/01/2019



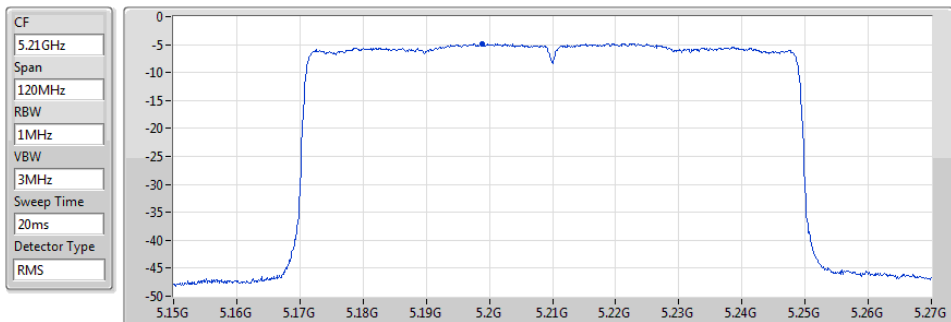
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.15	2.15	2.15

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

28/01/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.84	-4.84	-4.84



PSD Result_Radio 1

Appendix D.22

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	10.00
802.11ax HEW40_Nss2,(MCS0)_2TX	4.68
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.49

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.00	1.97	1.54	4.72	17.00
5200MHz	Pass	6.00	5.46	5.10	8.26	17.00
5240MHz	Pass	6.00	7.21	6.96	10.00	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.00	-2.10	-1.99	0.85	17.00
5230MHz	Pass	6.00	1.86	1.65	4.68	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.00	-5.02	-5.81	-2.49	17.00

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

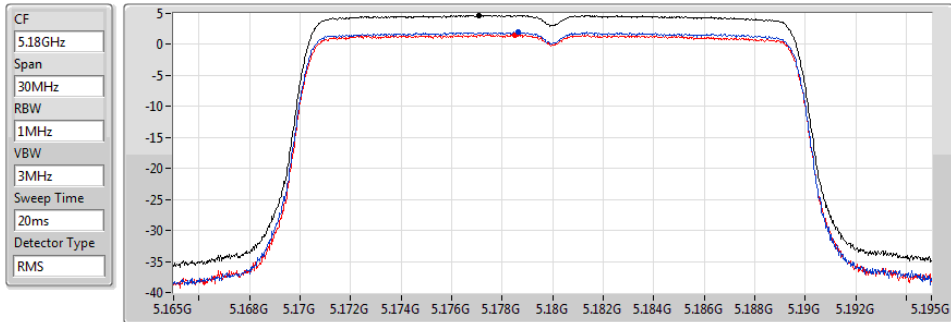
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

28/01/2019



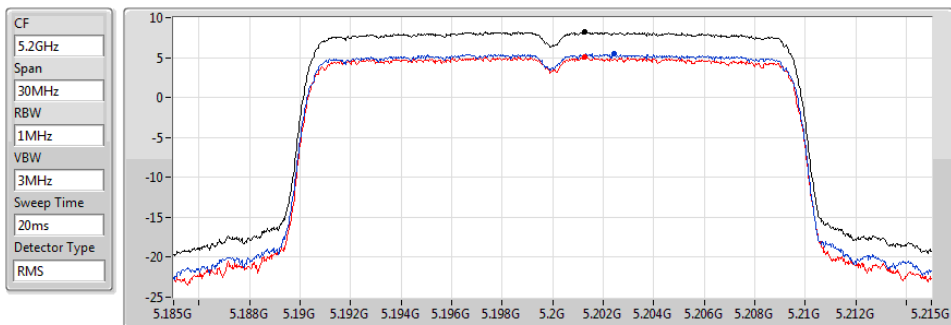
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
4.72	4.72	1.97	1.54

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

28/01/2019



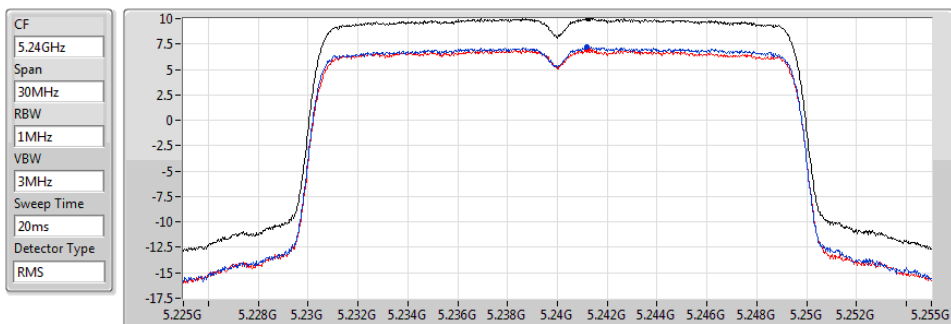
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
8.26	8.26	5.46	5.10

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

28/01/2019



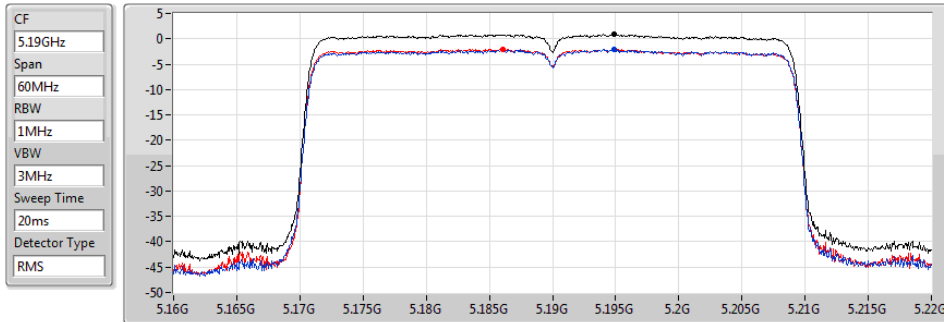
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
10.00	10.00	7.21	6.96

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

28/01/2019



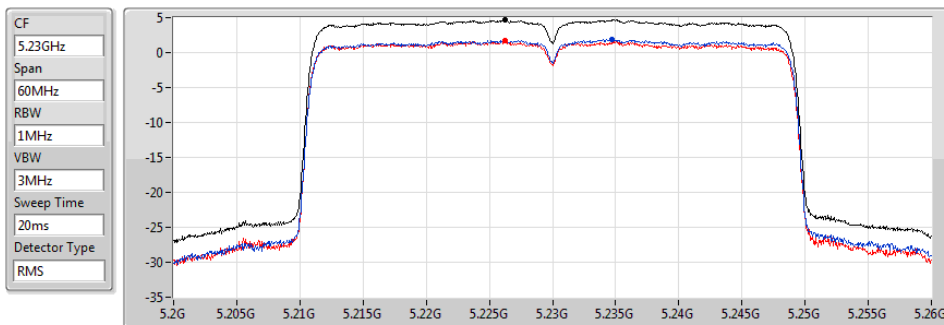
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.85	0.85	-2.10	-1.99

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

28/01/2019



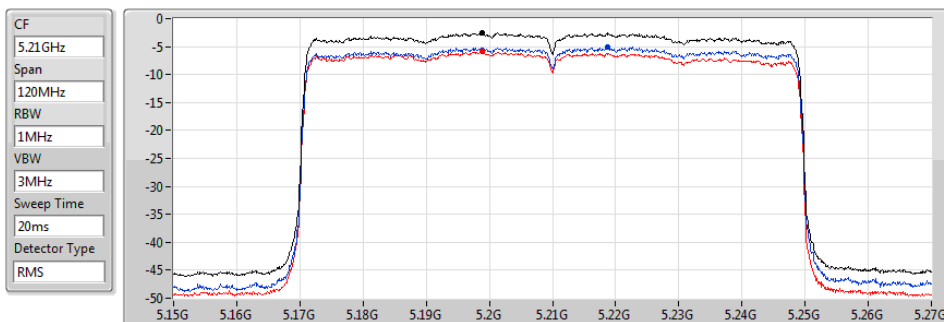
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.68	4.68	1.86	1.65

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

28/01/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.49	-2.49	-5.02	-5.81

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.92
802.11ax HEW20_Nss1,(MCS0)_4TX	10.90
802.11ax HEW40_Nss1,(MCS0)_4TX	6.26
802.11ax HEW80_Nss1,(MCS0)_4TX	-1.23

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.23	0.50	0.83	0.58	6.68	10.98
5200MHz	Pass	12.02	4.89	5.11	5.09	4.43	10.78	10.98
5240MHz	Pass	12.02	5.29	4.90	5.21	4.61	10.92	10.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.35	1.29	1.33	0.78	7.15	10.98
5200MHz	Pass	12.02	4.97	4.97	5.18	4.83	10.90	10.98
5240MHz	Pass	12.02	5.02	4.67	5.32	4.70	10.87	10.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.59	-4.10	-3.85	-4.37	1.97	10.98
5230MHz	Pass	12.02	0.44	0.18	0.50	0.25	6.26	10.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-6.83	-7.46	-6.77	-7.56	-1.23	10.98

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

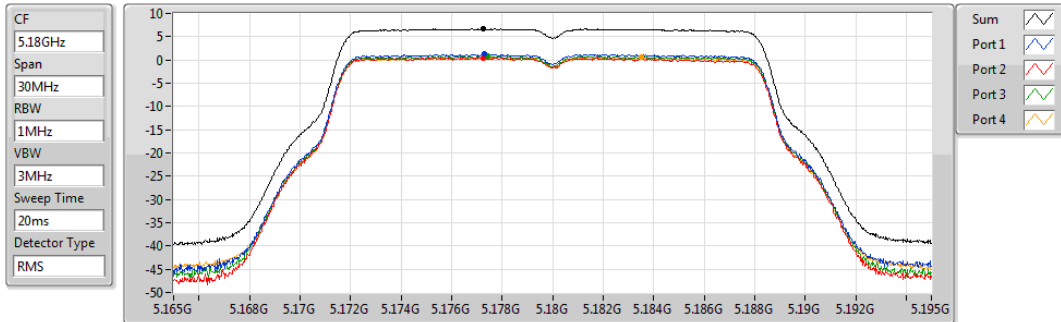
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

28/01/2019



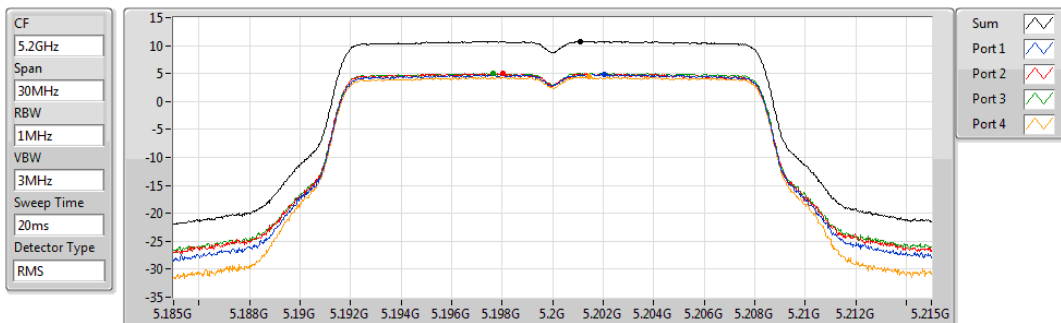
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.68	6.68	1.23	0.50	0.83	0.58

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

28/01/2019



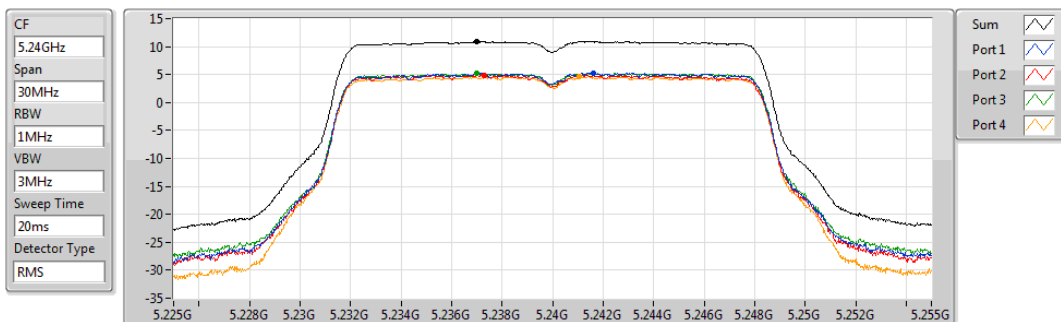
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	4.89	5.11	5.09	4.43

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

28/01/2019



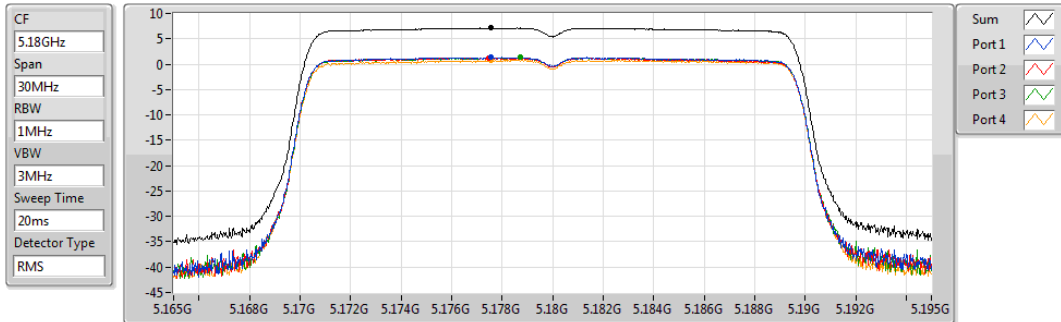
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	5.29	4.90	5.21	4.61

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

28/01/2019



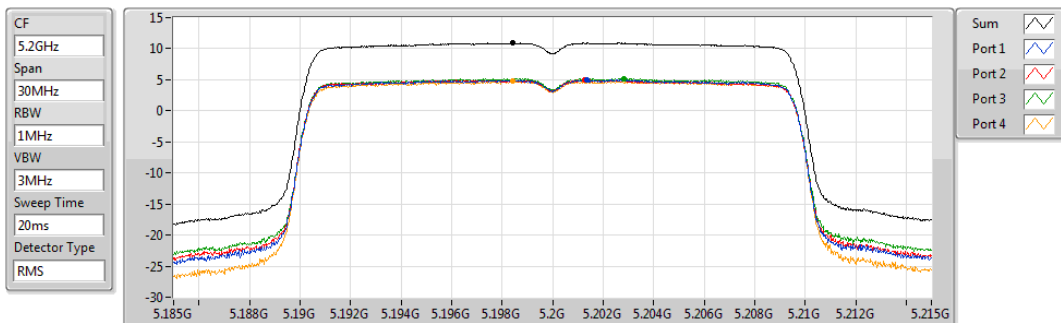
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.15	7.15	1.35	1.29	1.33	0.78

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

28/01/2019



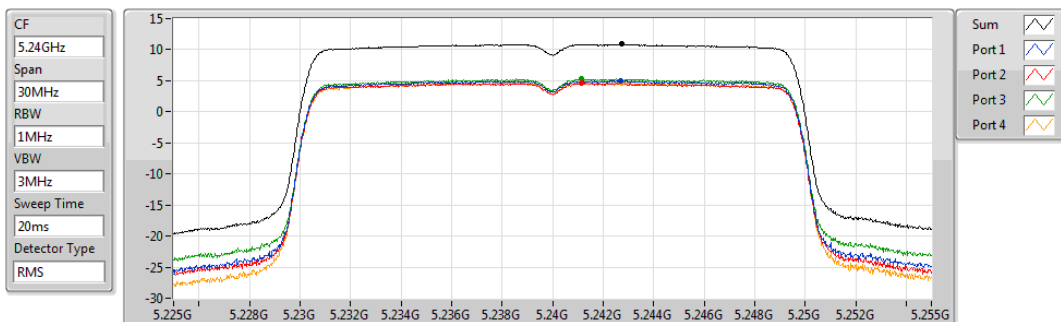
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.90	10.90	4.97	4.97	5.18	4.83

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

28/01/2019



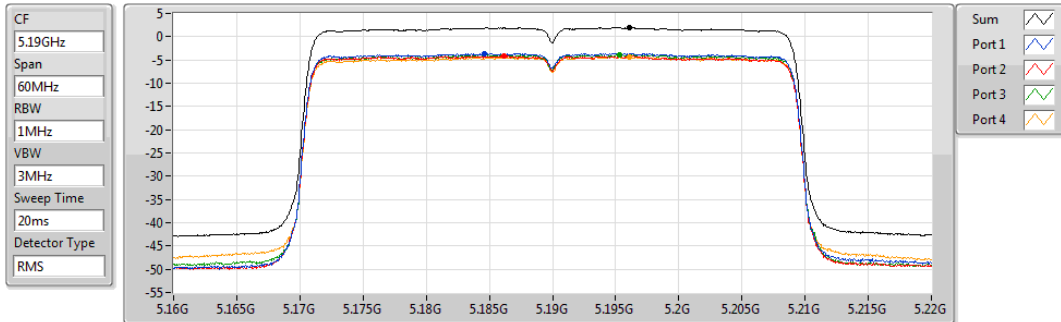
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.87	10.87	5.02	4.67	5.32	4.70

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

28/01/2019



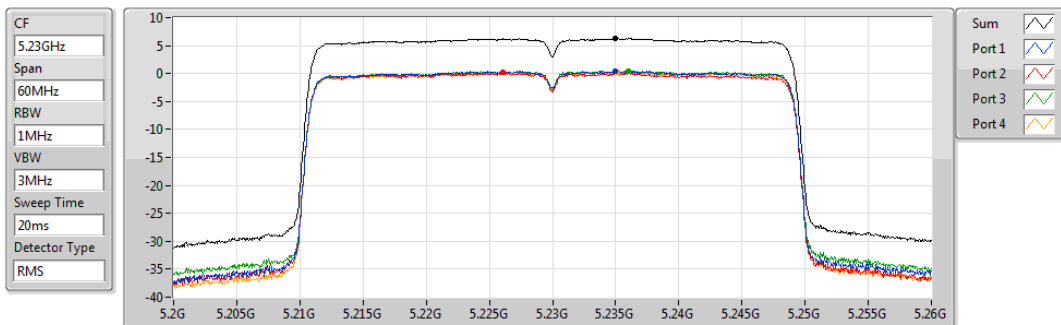
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	-3.59	-4.10	-3.85	-4.37

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

28/01/2019



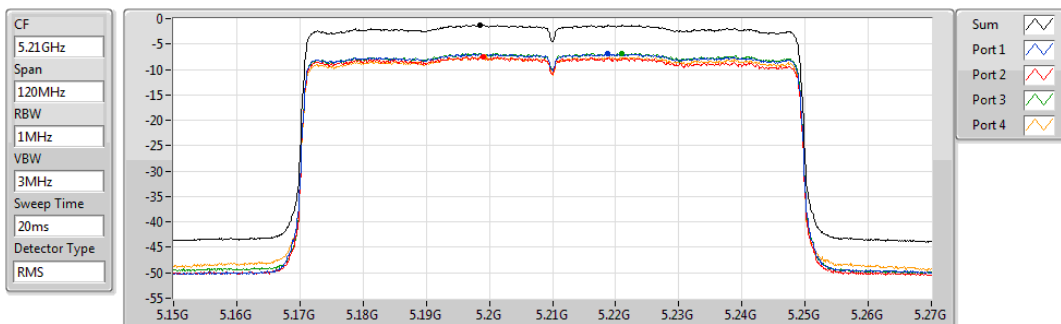
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.26	6.26	0.44	0.18	0.50	0.25

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

28/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.23	-1.23	-6.83	-7.46	-6.77	-7.56



PSD Result_Radio 1

Appendix D.24

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.86
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.79
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.06

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



PSD Result_Radio 1

Appendix D.24

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.01	1.32	2.21	0.77	7.27	10.98
5200MHz	Pass	12.02	1.13	2.19	2.51	1.69	7.86	10.98
5240MHz	Pass	12.02	1.43	2.25	2.34	1.56	7.85	10.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.05	-2.96	-2.96	-3.60	2.75	10.98
5230MHz	Pass	12.02	-0.88	-0.93	-1.09	-1.51	4.79	10.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-5.71	-5.75	-5.97	-5.96	0.06	10.98

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

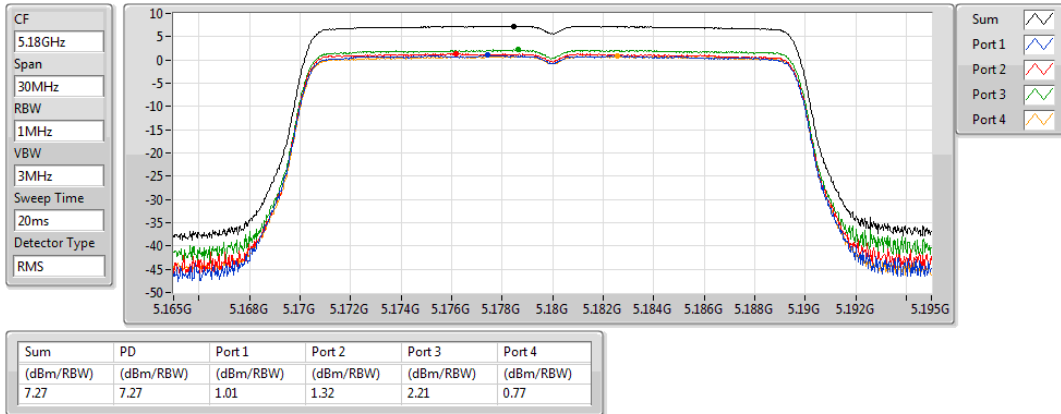
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

25/01/2019

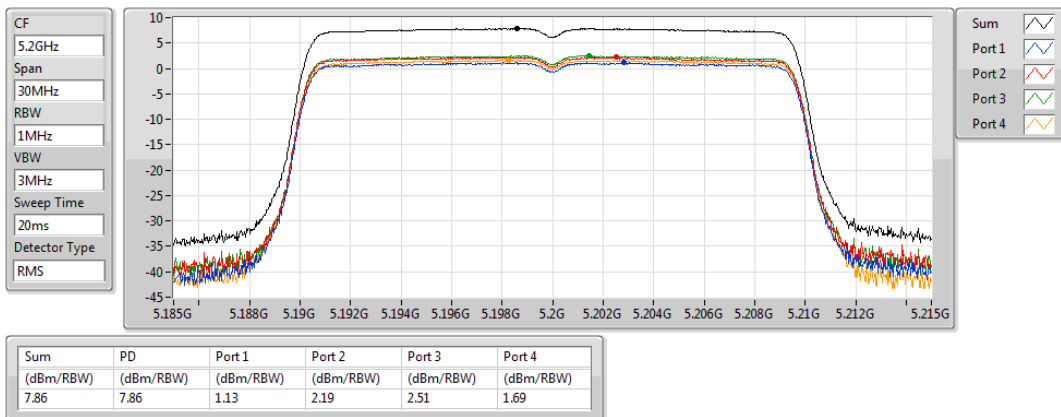


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

04/03/2019

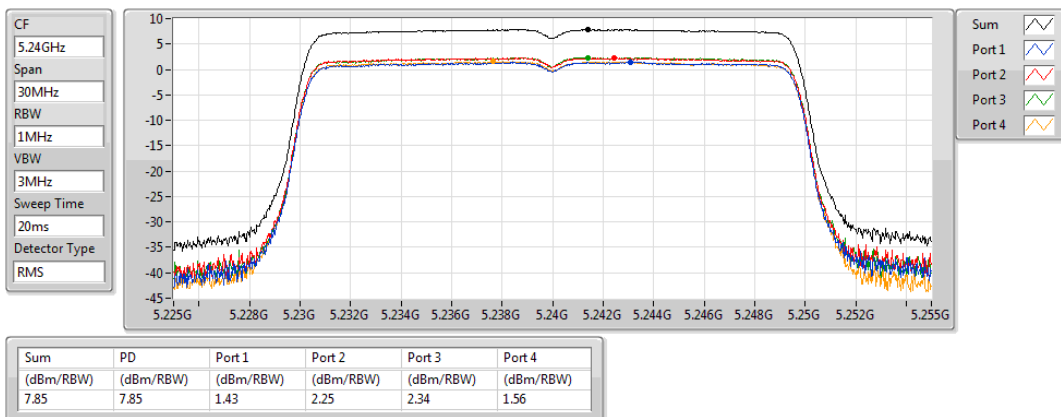


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

04/03/2019

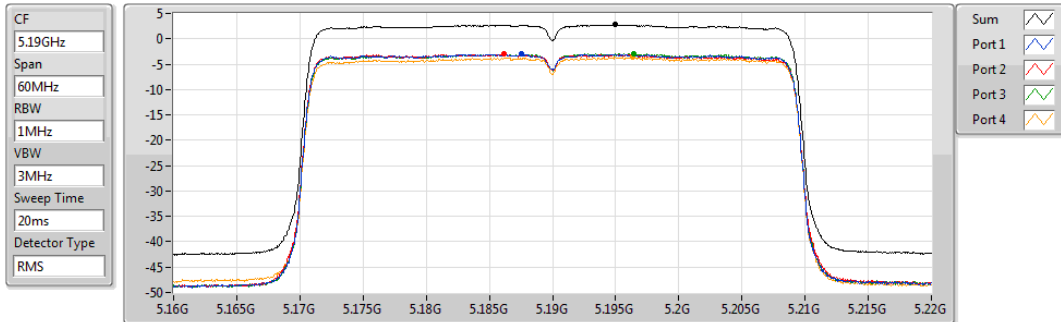


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

25/01/2019



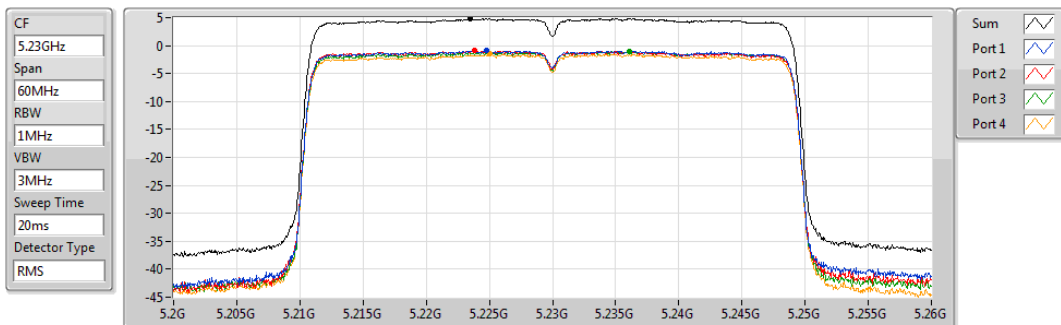
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.75	2.75	-3.05	-2.96	-2.96	-3.60

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

04/03/2019



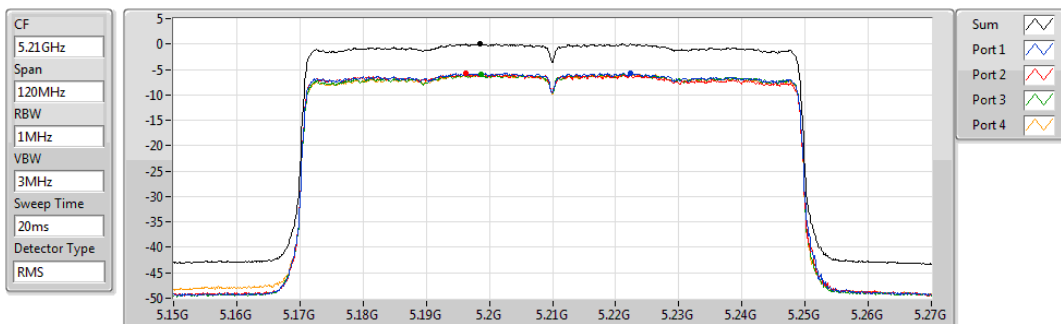
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.79	4.79	-0.88	-0.93	-1.09	-1.51

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

25/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.06	0.06	-5.71	-5.75	-5.97	-5.96



PSD Result_Radio 1

Appendix D.25

For Non-beamforming / 4T4S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	13.07
802.11ax HEW40_Nss4,(MCS0)_4TX	5.68
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.48

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



PSD Result_Radio 1

Appendix D.25

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	1.26	1.00	1.68	0.76	7.08	17.00
5200MHz	Pass	6.00	4.98	4.59	5.05	4.36	10.63	17.00
5240MHz	Pass	6.00	7.40	7.11	7.36	6.99	13.07	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.00	-3.49	-4.33	-3.50	-4.45	1.98	17.00
5230MHz	Pass	6.00	-0.04	-0.41	0.05	-0.30	5.68	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.00	-9.00	-9.63	-9.19	-9.80	-3.48	17.00

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

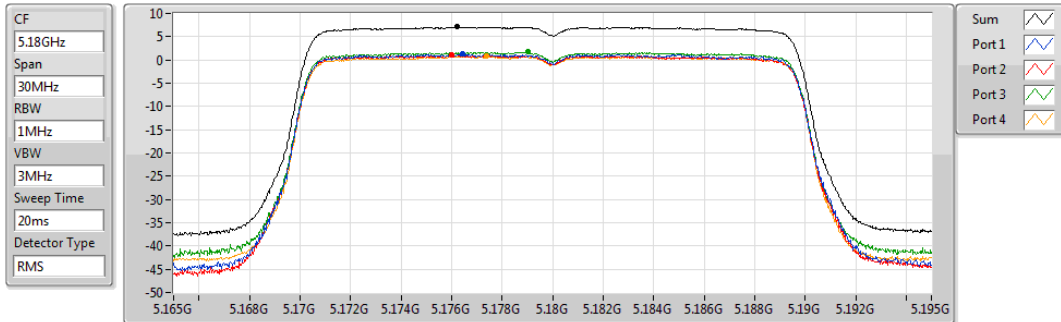
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

28/01/2019



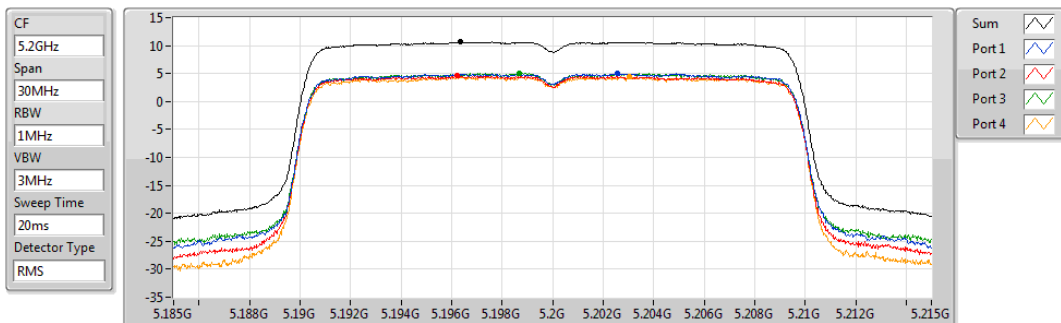
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.08	7.08	1.26	1.00	1.68	0.76

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

28/01/2019



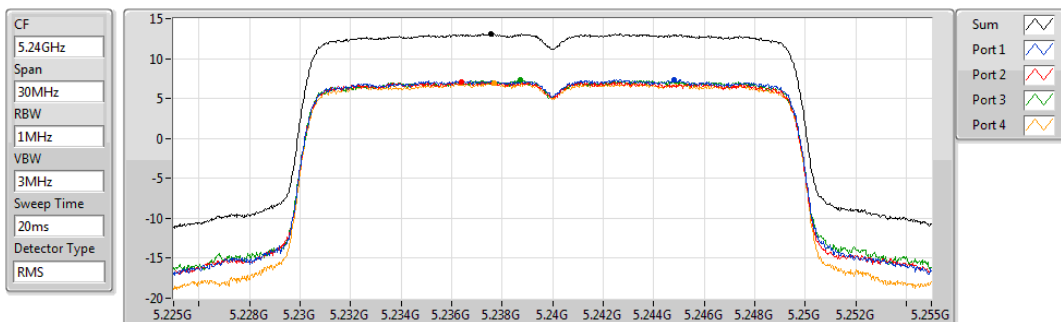
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.63	10.63	4.98	4.59	5.05	4.36

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

28/01/2019



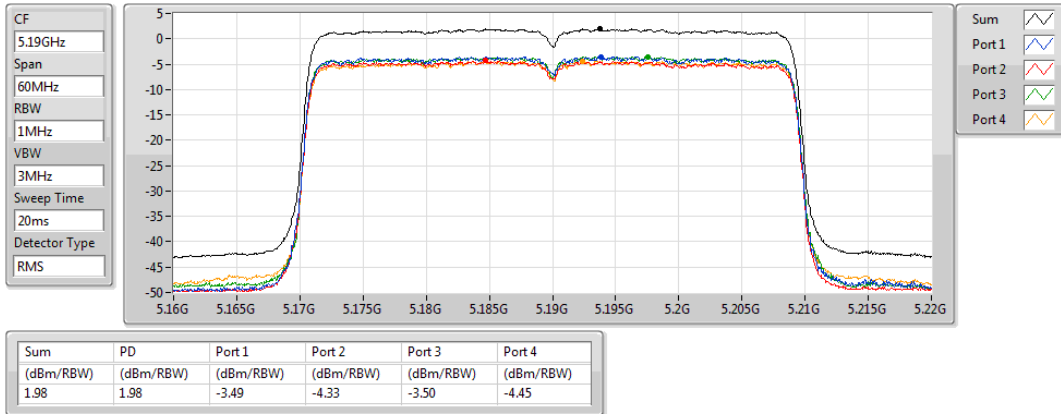
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.07	13.07	7.40	7.11	7.36	6.99

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

28/01/2019

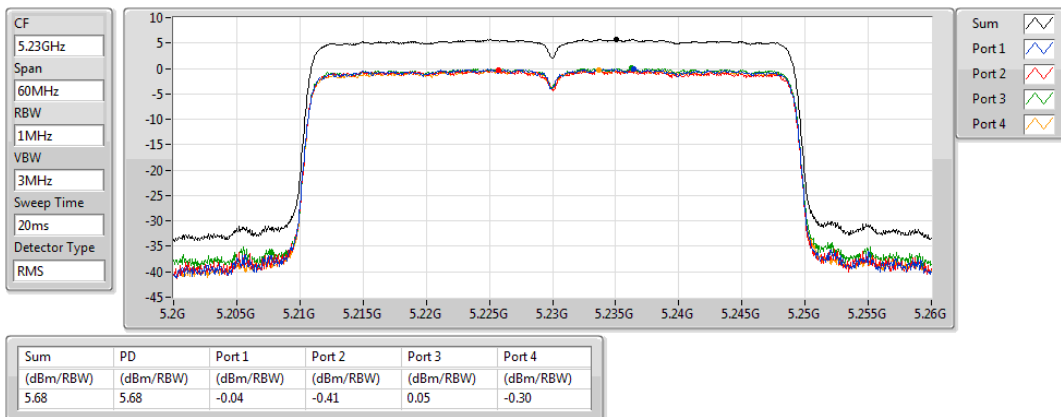


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

28/01/2019

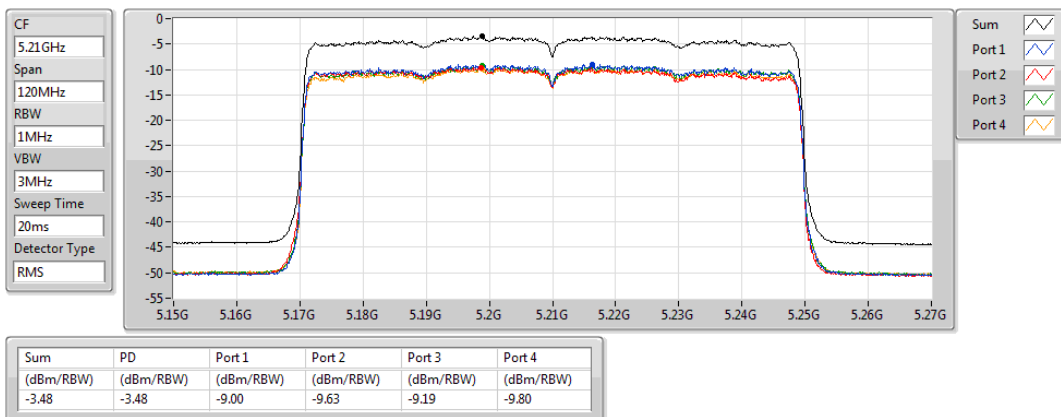


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

28/01/2019





PSD Result_Radio 1

Appendix D.26

Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)
For Non-beamforming / 1T1S mode
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	-0.03
802.11ax HEW20_Nss1,(MCS0)_1TX	-0.78
802.11ax HEW40_Nss1,(MCS0)_1TX	-3.20
802.11ax HEW80_Nss1,(MCS0)_1TX	-6.11

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	-0.21	-0.21	14.30
5200MHz	Pass	8.70	-0.32	-0.32	14.30
5240MHz	Pass	8.70	-0.03	-0.03	14.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	-0.78	-0.78	14.30
5200MHz	Pass	8.70	-0.80	-0.80	14.30
5240MHz	Pass	8.70	-0.80	-0.80	14.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	8.70	-3.76	-3.76	14.30
5230MHz	Pass	8.70	-3.20	-3.20	14.30
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	8.70	-6.11	-6.11	14.30

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

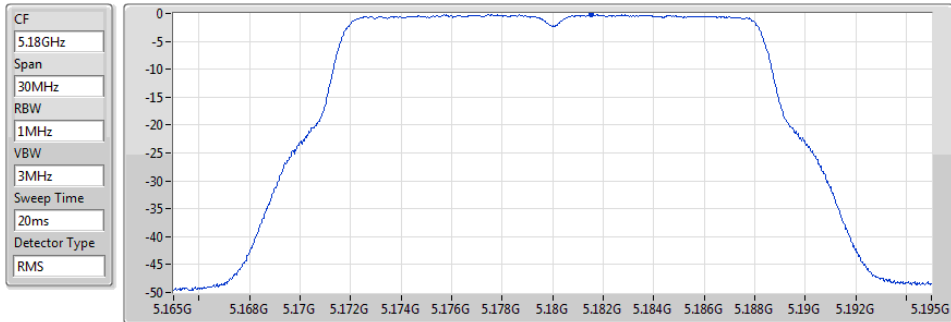
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

28/02/2019



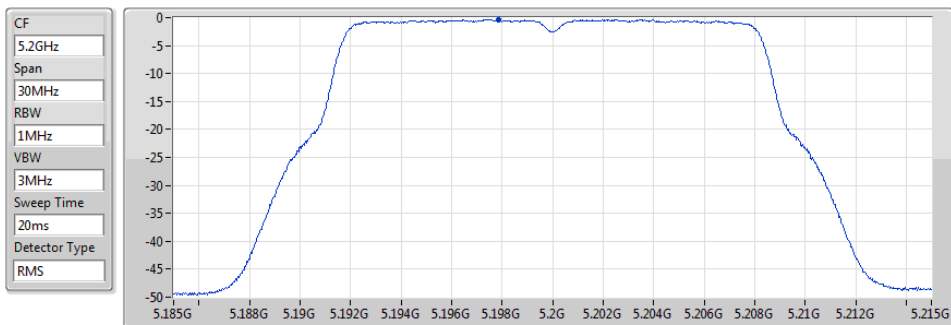
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.21	-0.21	-0.21

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

28/02/2019



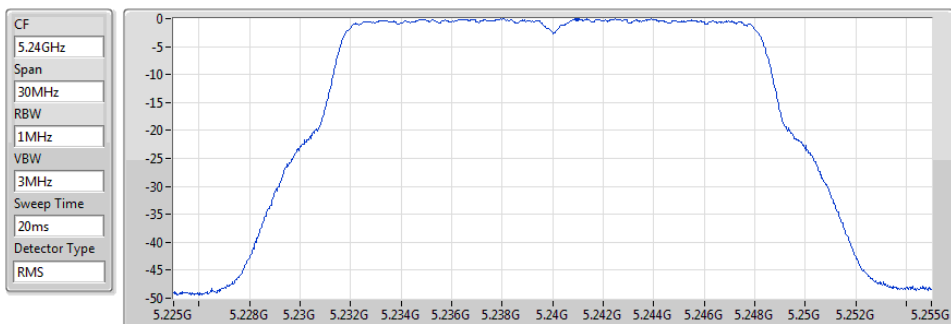
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.32	-0.32	-0.32

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

28/02/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.03	-0.03	-0.03

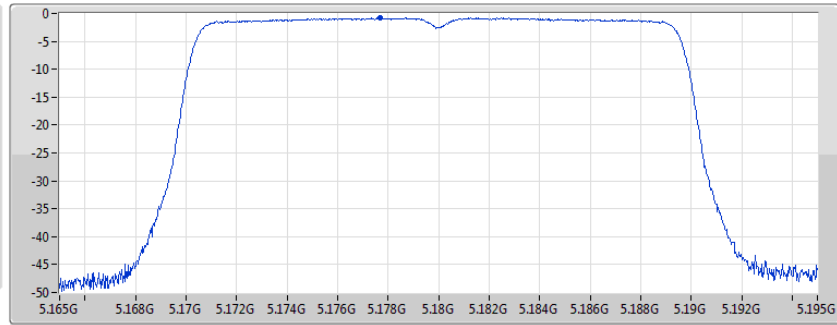
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

28/02/2019

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.78	-0.78	-0.78

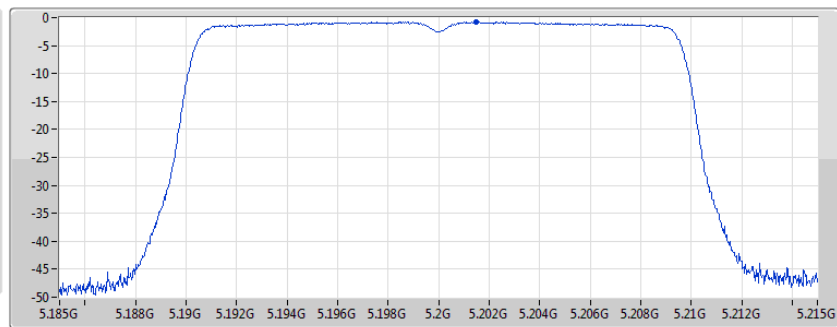
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

28/02/2019

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.80	-0.80	-0.80

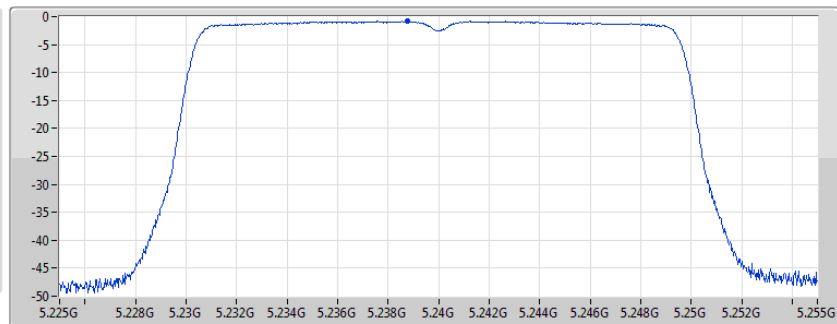
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

28/02/2019

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

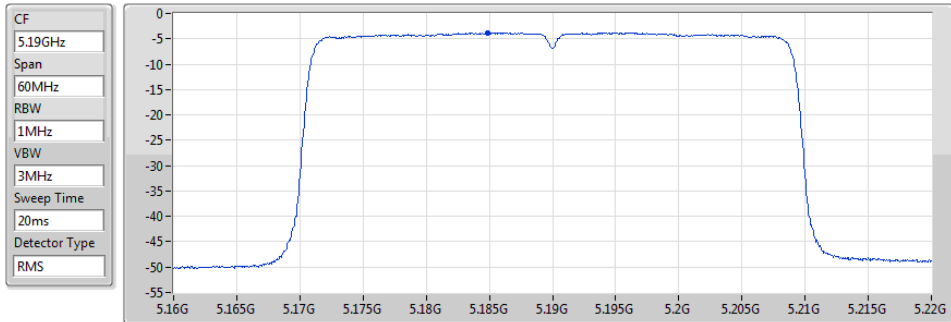
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.80	-0.80	-0.80

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

28/02/2019



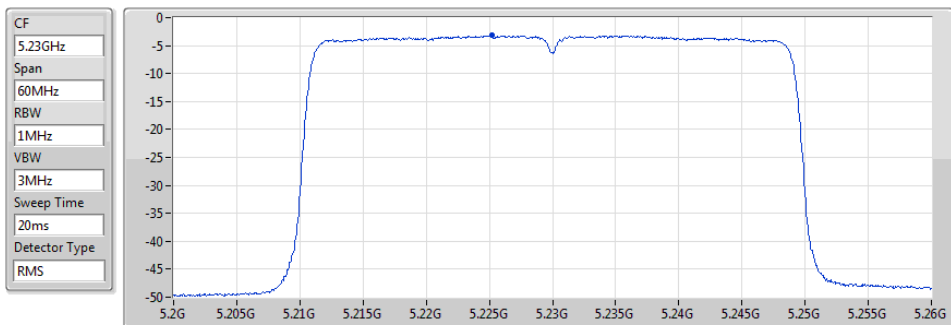
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.76	-3.76	-3.76

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

28/02/2019



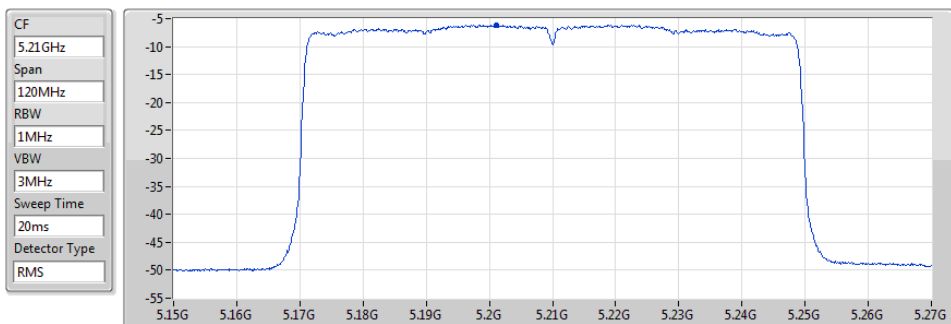
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.20	-3.20	-3.20

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

28/02/2019



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-6.11	-6.11	-6.11



PSD Result_Radio 1

Appendix D.27

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-0.63
802.11ax HEW40_Nss2,(MCS0)_2TX	-3.47
802.11ax HEW80_Nss2,(MCS0)_2TX	-6.19

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



PSD Result_Radio 1

Appendix D.27

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.70	-3.57	-4.25	-0.94	14.30
5200MHz	Pass	8.70	-3.35	-4.29	-0.85	14.30
5240MHz	Pass	8.70	-3.20	-3.96	-0.63	14.30
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.70	-6.04	-6.77	-3.47	14.30
5230MHz	Pass	8.70	-6.32	-6.75	-3.58	14.30
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.70	-8.81	-9.58	-6.19	14.30

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

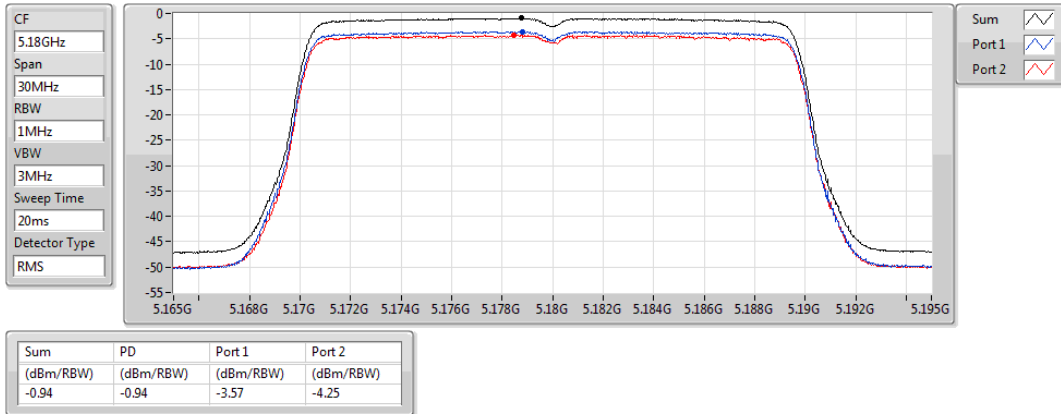
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

28/02/2019

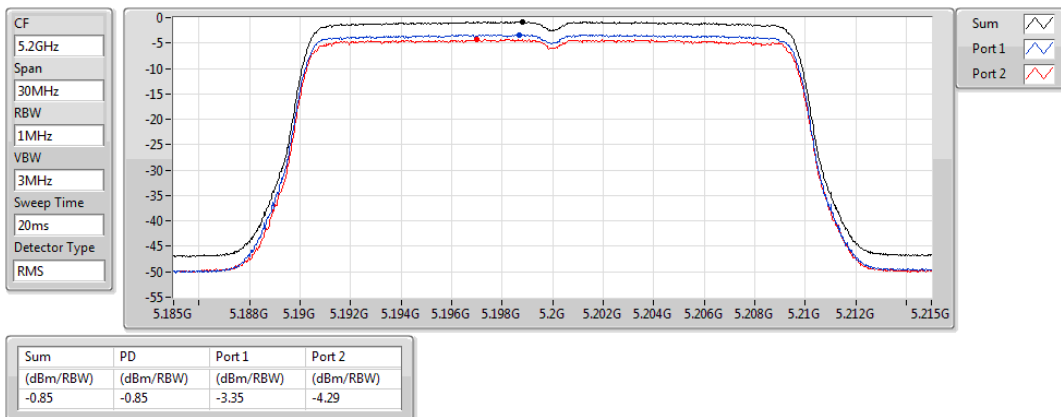


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

28/02/2019

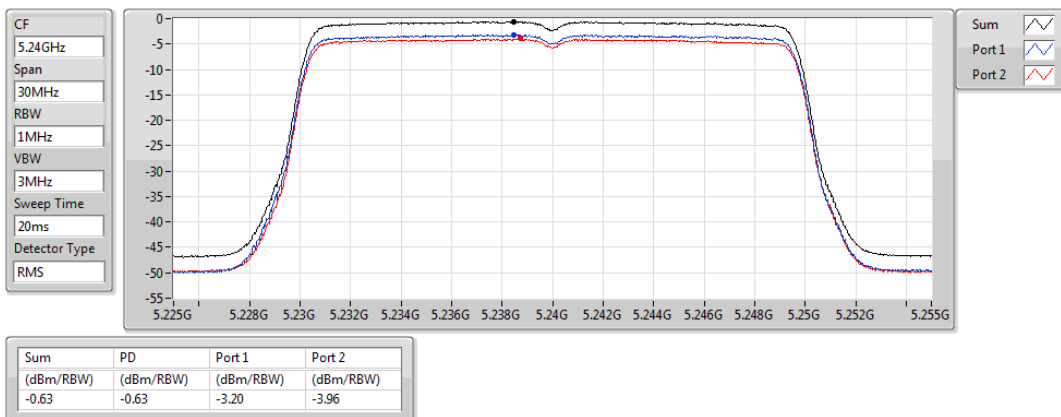


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

28/02/2019

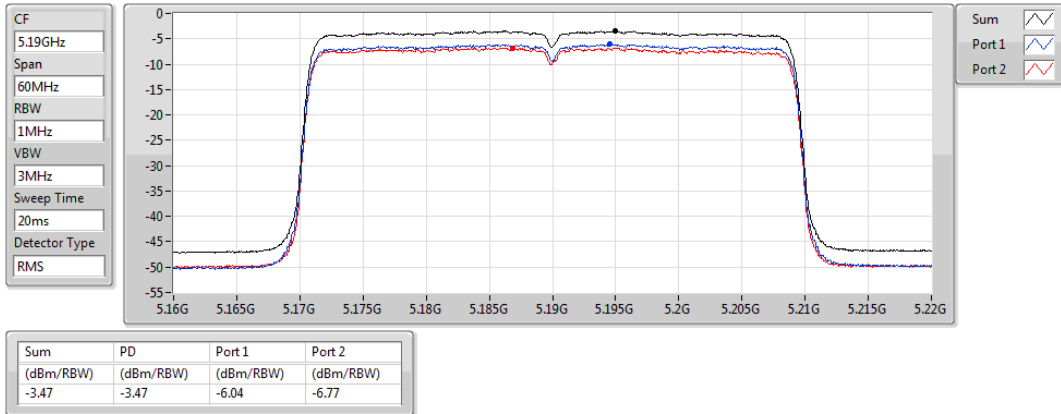


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

28/02/2019

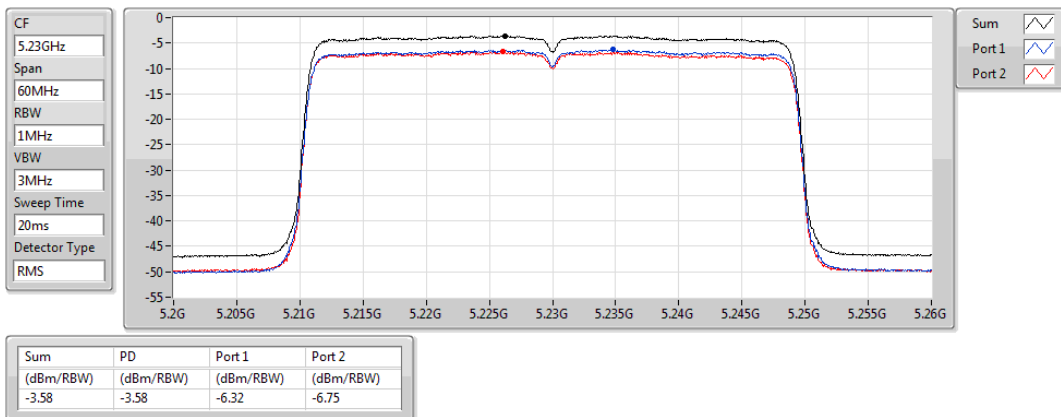


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

28/02/2019

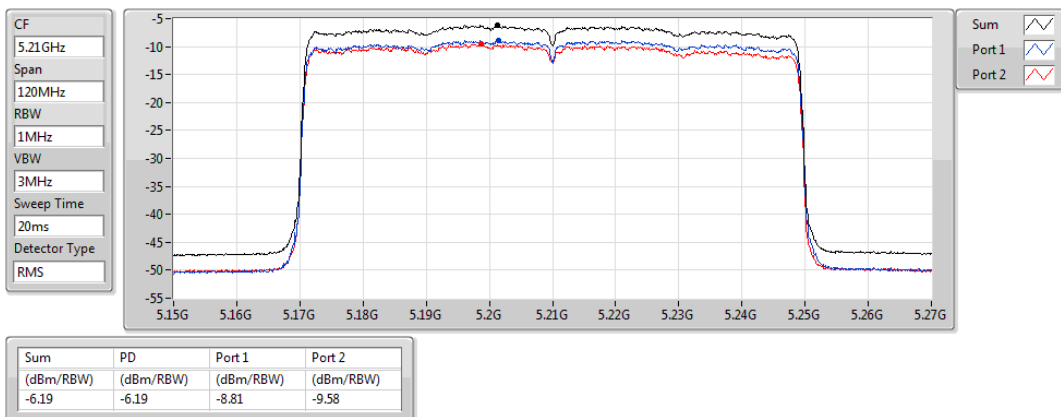


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

28/02/2019



**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	-0.31
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.48
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.13
802.11ax HEW80_Nss1,(MCS0)_4TX	-6.03

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-6.30	-6.85	-5.88	-6.29	-0.42	8.28
5200MHz	Pass	14.72	-6.07	-6.97	-6.00	-6.29	-0.41	8.28
5240MHz	Pass	14.72	-5.84	-6.59	-5.90	-6.39	-0.31	8.28
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-6.41	-7.06	-5.99	-6.78	-0.57	8.28
5200MHz	Pass	14.72	-6.39	-6.99	-5.95	-6.41	-0.48	8.28
5240MHz	Pass	14.72	-6.09	-7.11	-6.23	-6.46	-0.52	8.28
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-8.96	-9.92	-8.70	-9.30	-3.29	8.28
5230MHz	Pass	14.72	-8.58	-9.82	-8.75	-9.25	-3.13	8.28
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-11.73	-12.60	-11.45	-12.27	-6.03	8.28

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

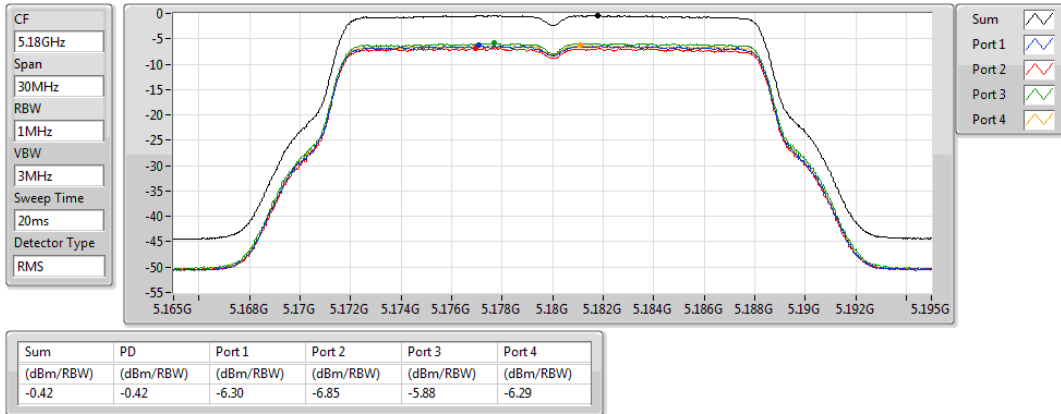
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

28/02/2019

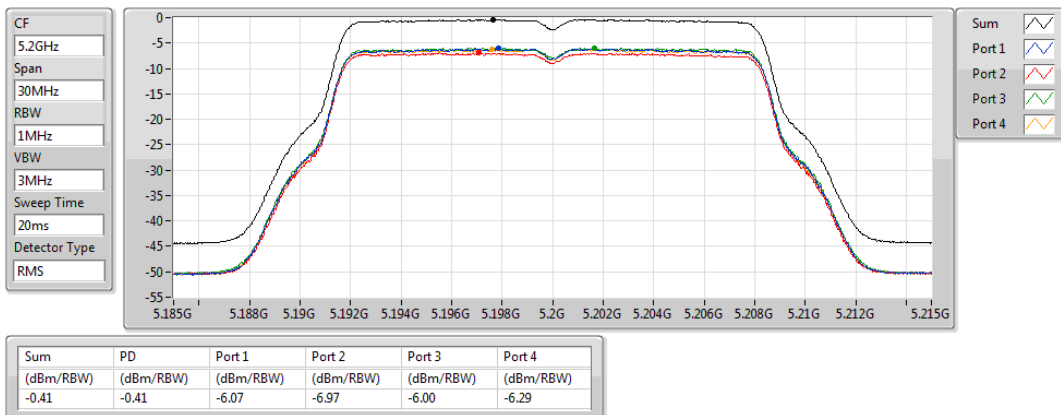


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

28/02/2019

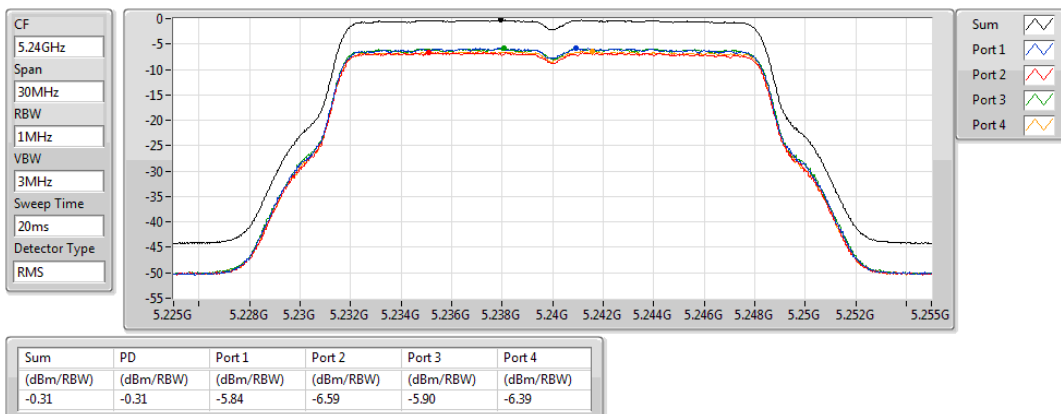


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

28/02/2019

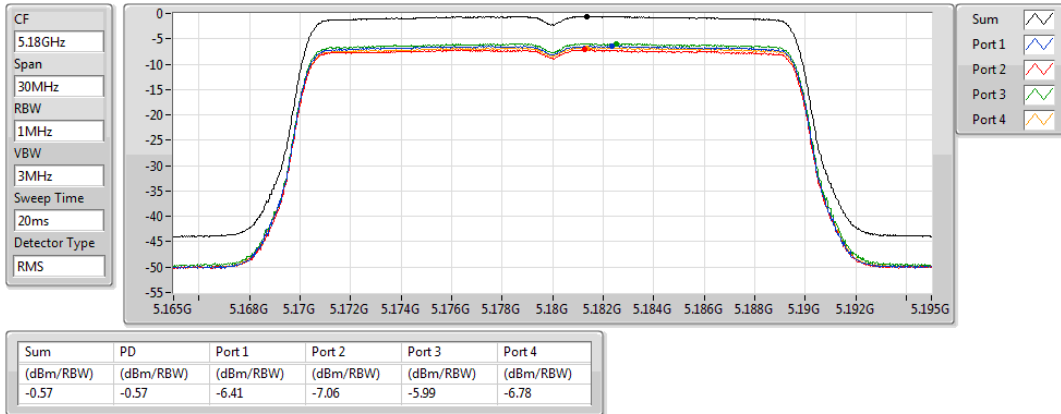


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

28/02/2019

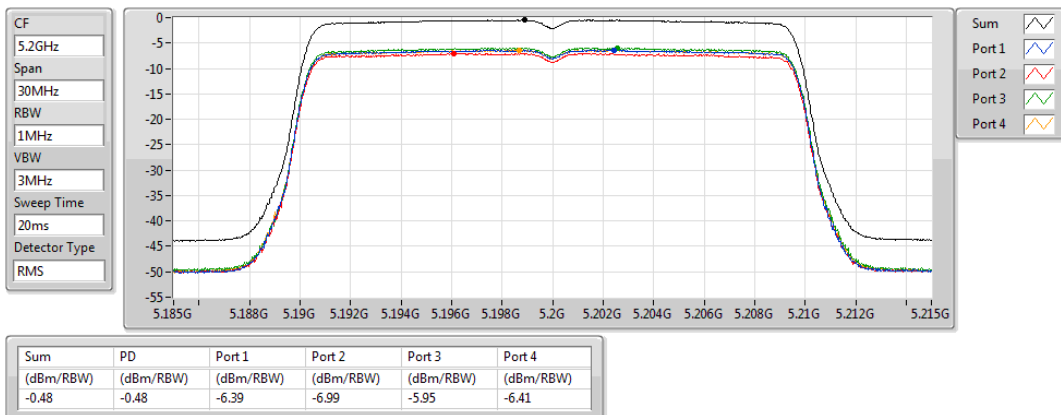


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

28/02/2019

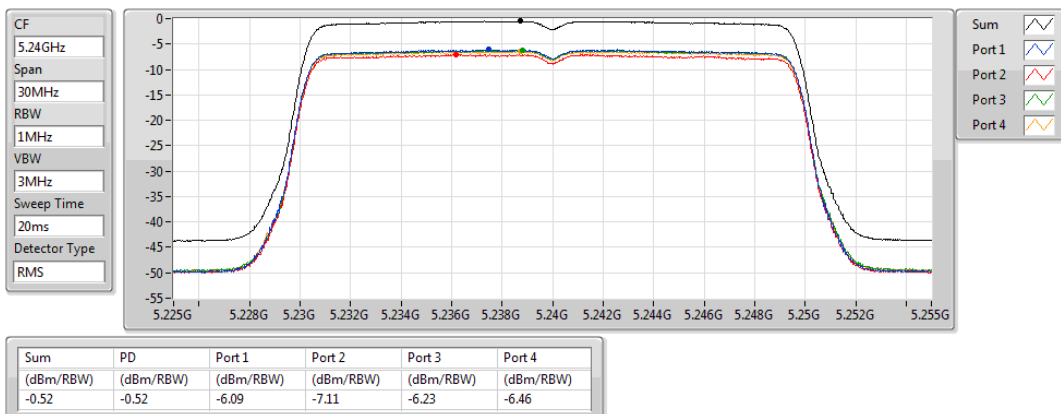


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

28/02/2019

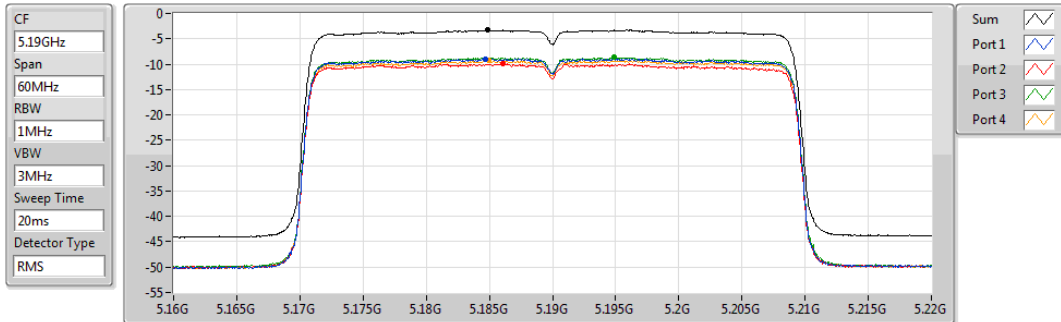


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

28/02/2019



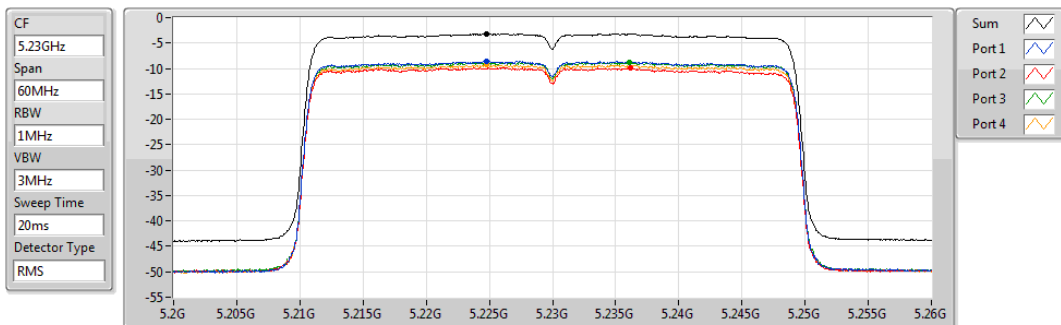
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.29	-3.29	-8.96	-9.92	-8.70	-9.30

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

28/02/2019



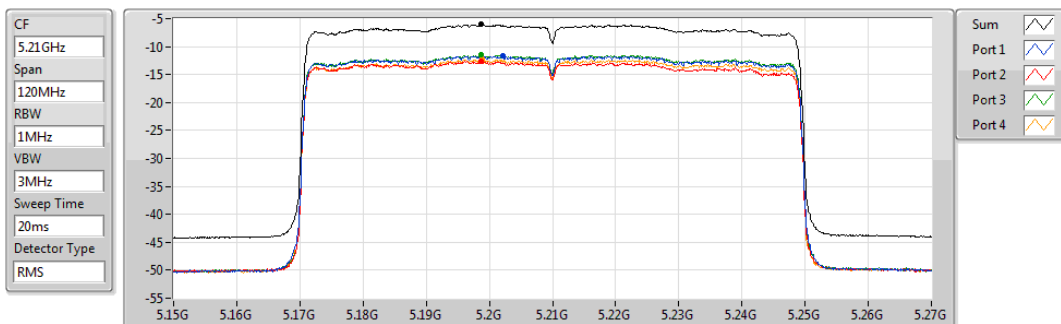
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.13	-3.13	-8.58	-9.82	-8.75	-9.25

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

28/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.03	-6.03	-11.73	-12.60	-11.45	-12.27

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-6.61
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-9.24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-12.09

RBW = 500kHz 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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-12.84	-12.93	-11.82	-12.89	-6.63	8.28
5200MHz	Pass	14.72	-12.98	-13.25	-11.88	-12.33	-6.65	8.28
5240MHz	Pass	14.72	-12.62	-12.89	-12.09	-12.55	-6.61	8.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-15.69	-15.46	-14.71	-15.10	-9.26	8.28
5230MHz	Pass	14.72	-15.18	-15.66	-14.72	-15.03	-9.24	8.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-18.33	-18.56	-17.23	-18.13	-12.09	8.28

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

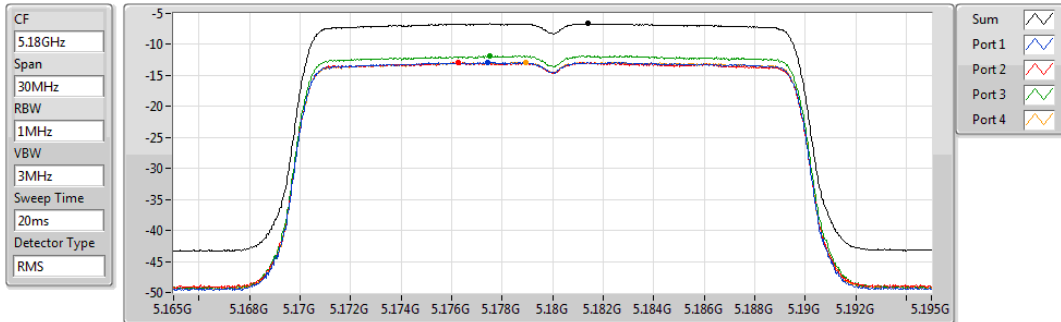
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

28/02/2019



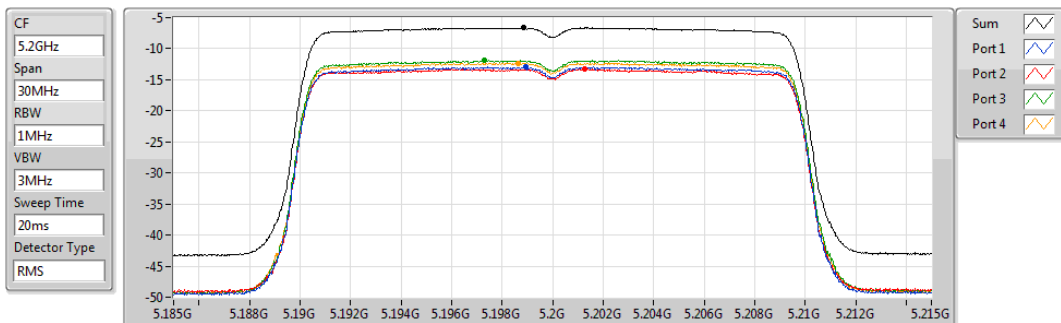
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.63	-6.63	-12.84	-12.93	-11.82	-12.89

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

28/02/2019



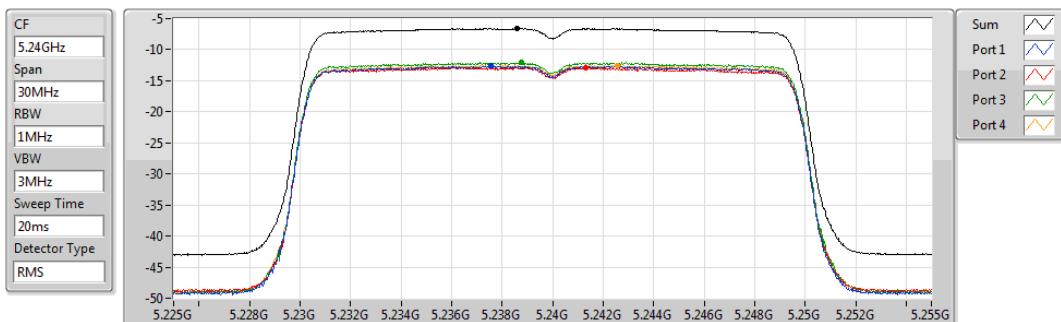
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.65	-6.65	-12.98	-13.25	-11.88	-12.33

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

28/02/2019



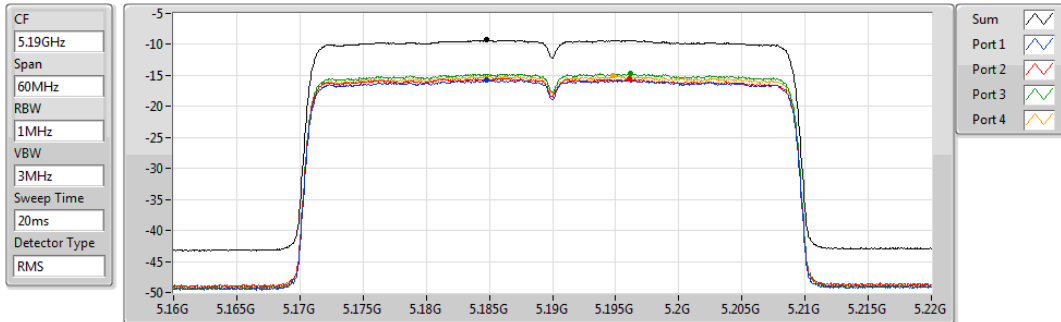
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.61	-6.61	-12.62	-12.89	-12.09	-12.55

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

28/02/2019



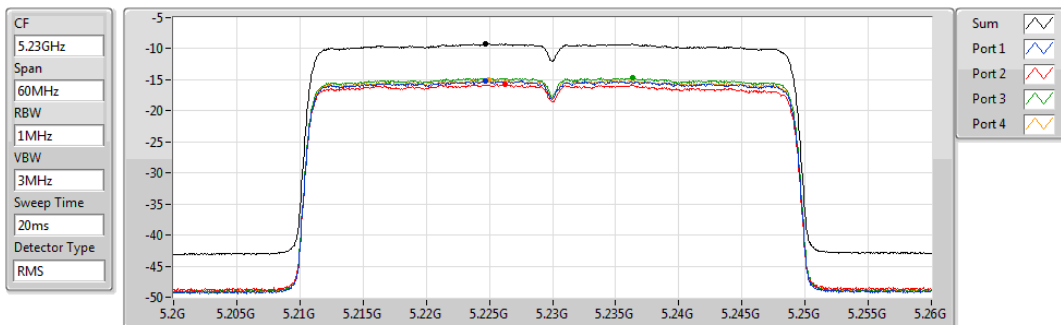
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.26	-9.26	-15.69	-15.46	-14.71	-15.10

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

28/02/2019



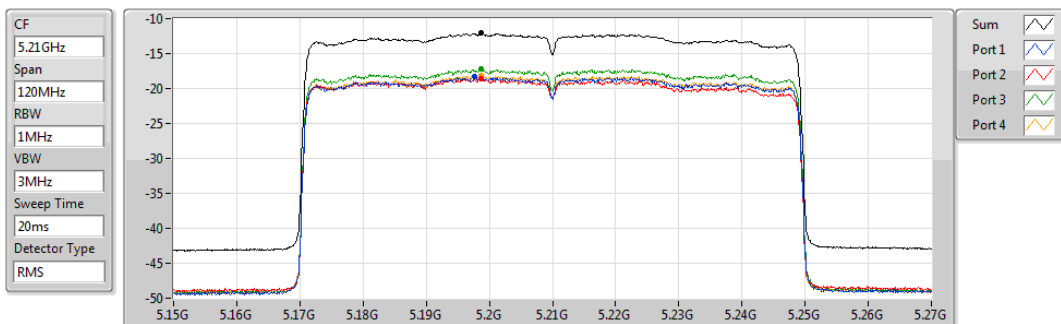
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.24	-9.24	-15.18	-15.66	-14.72	-15.03

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

28/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.09	-12.09	-18.33	-18.56	-17.23	-18.13

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-0.16
802.11ax HEW40_Nss4,(MCS0)_4TX	-2.95
802.11ax HEW80_Nss4,(MCS0)_4TX	-5.97

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



PSD Result_Radio 1

Appendix D.30

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.70	-5.79	-6.68	-5.58	-6.21	-0.16	14.30
5200MHz	Pass	8.70	-6.01	-6.51	-5.43	-5.99	-0.17	14.30
5240MHz	Pass	8.70	-6.15	-6.65	-5.57	-6.13	-0.22	14.30
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.70	-8.77	-9.21	-8.49	-8.90	-2.95	14.30
5230MHz	Pass	8.70	-8.31	-9.47	-8.43	-9.22	-2.99	14.30
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.70	-11.78	-12.19	-11.73	-11.95	-5.97	14.30

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

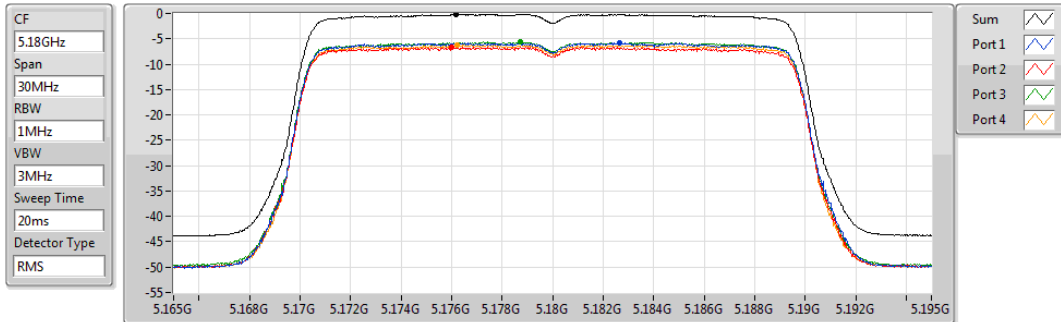
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

28/02/2019



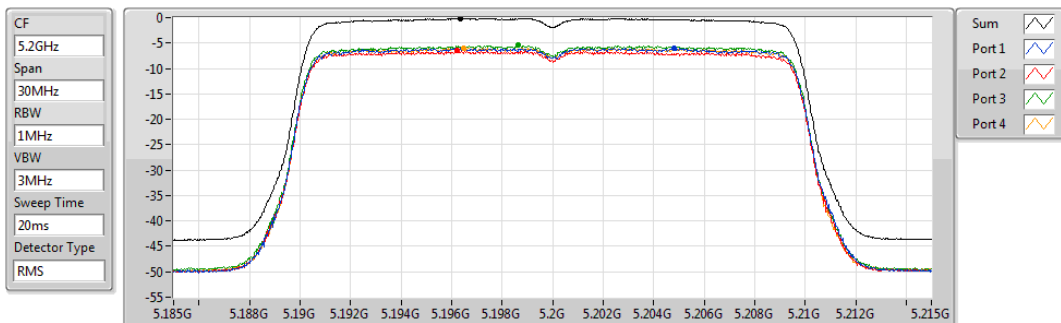
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.16	-0.16	-5.79	-6.68	-5.58	-6.21

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

28/02/2019



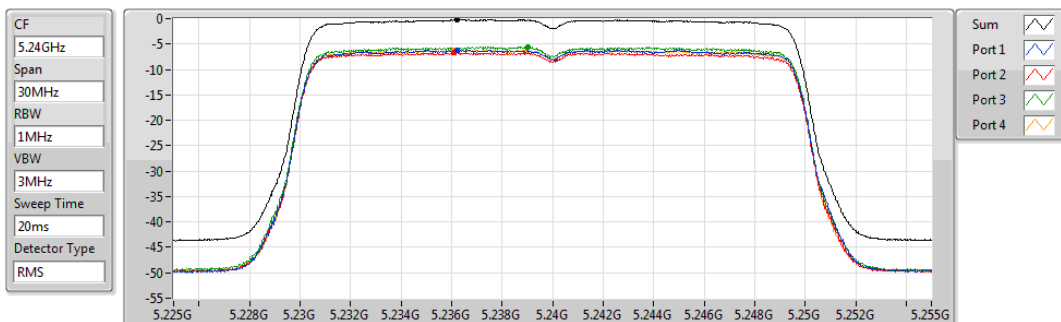
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.17	-0.17	-6.01	-6.51	-5.43	-5.99

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

28/02/2019



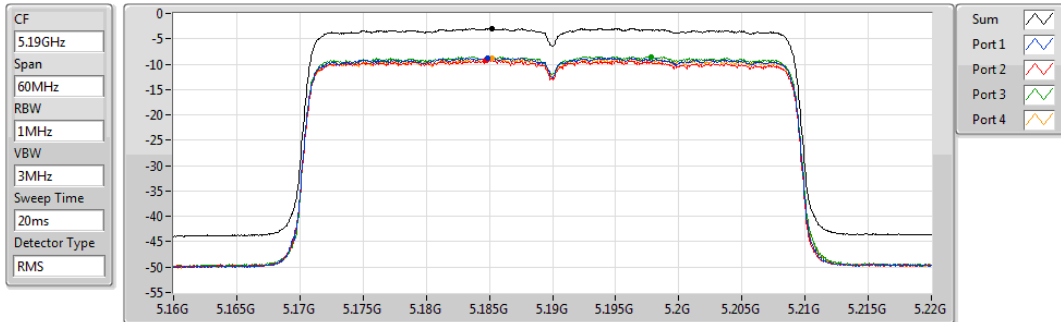
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.22	-0.22	-6.15	-6.65	-5.57	-6.13

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

28/02/2019



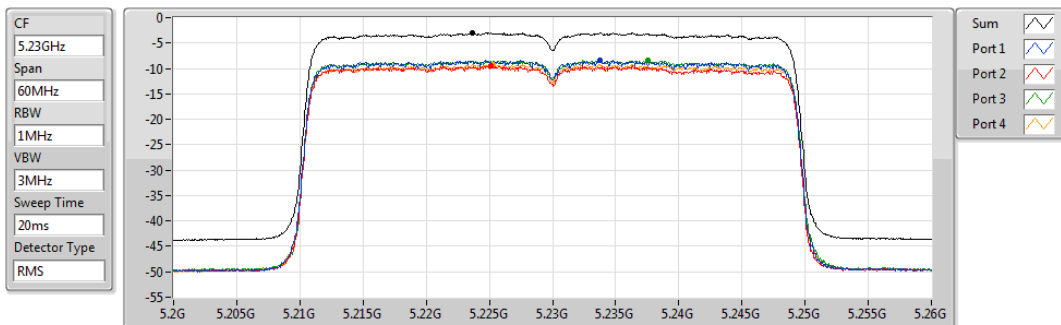
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.95	-2.95	-8.77	-9.21	-8.49	-8.90

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

28/02/2019



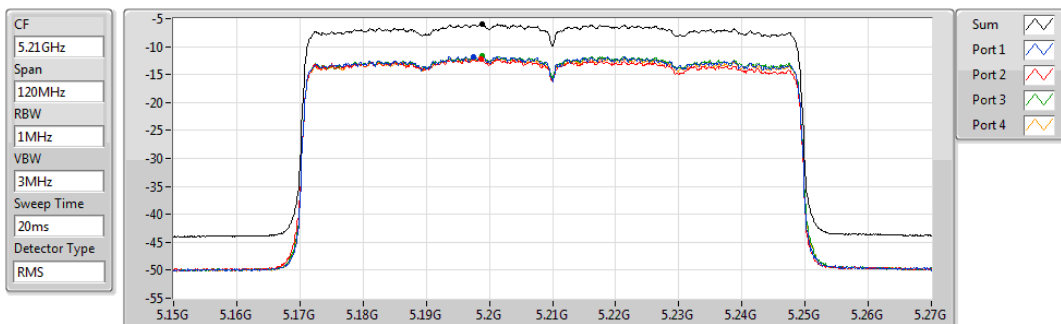
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.99	-2.99	-8.31	-9.47	-8.43	-9.22

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

28/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.97	-5.97	-11.78	-12.19	-11.73	-11.95



PSD Result_Radio 2

Appendix D.31

For Radio 2:

For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:

Mode 1: (Ant. 5 Panel antenna / 3 dBi)

For Non-beamforming / 1T1S mode

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.78
802.11ax HEW20_Nss1,(MCS0)_1TX	7.95
802.11ax HEW40_Nss1,(MCS0)_1TX	4.09
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.80
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.69
802.11ax HEW20_Nss1,(MCS0)_1TX	8.13
802.11ax HEW40_Nss1,(MCS0)_1TX	4.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-0.91

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	4.81	4.81	17.00
5200MHz	Pass	3.00	7.78	7.78	17.00
5240MHz	Pass	3.00	7.23	7.23	17.00
5745MHz	Pass	3.00	7.09	7.09	30.00
5785MHz	Pass	3.00	7.65	7.65	30.00
5825MHz	Pass	3.00	7.69	7.69	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	3.44	3.44	17.00
5200MHz	Pass	3.00	7.95	7.95	17.00
5240MHz	Pass	3.00	6.84	6.84	17.00
5745MHz	Pass	3.00	7.52	7.52	30.00
5785MHz	Pass	3.00	8.12	8.12	30.00
5825MHz	Pass	3.00	8.13	8.13	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.00	-0.11	-0.11	17.00
5230MHz	Pass	3.00	4.09	4.09	17.00
5755MHz	Pass	3.00	4.47	4.47	30.00
5795MHz	Pass	3.00	4.75	4.75	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.00	-2.80	-2.80	17.00
5775MHz	Pass	3.00	-0.91	-0.91	30.00

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

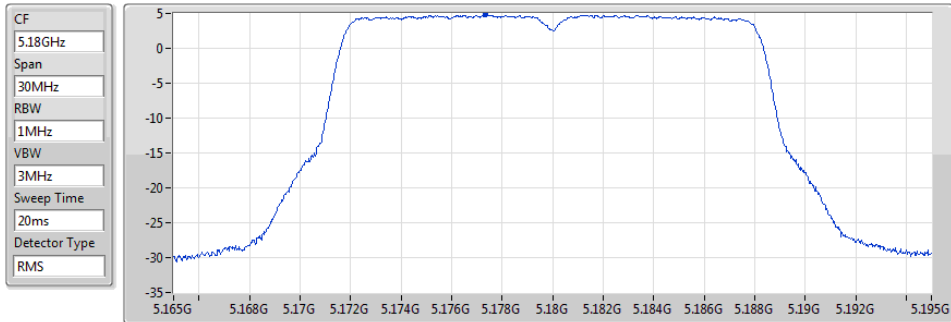
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

17/02/2019

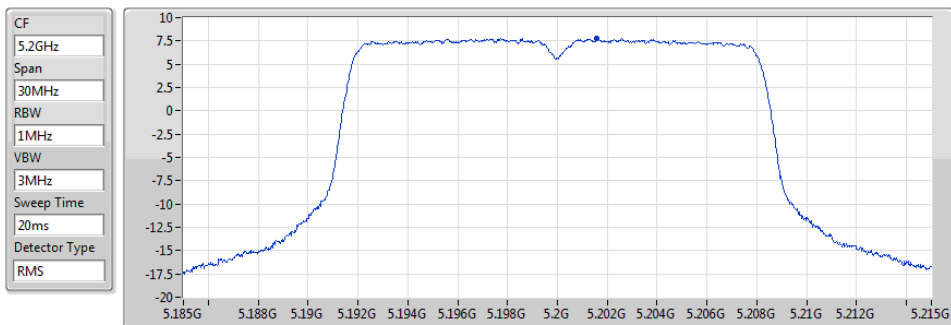


802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

17/02/2019

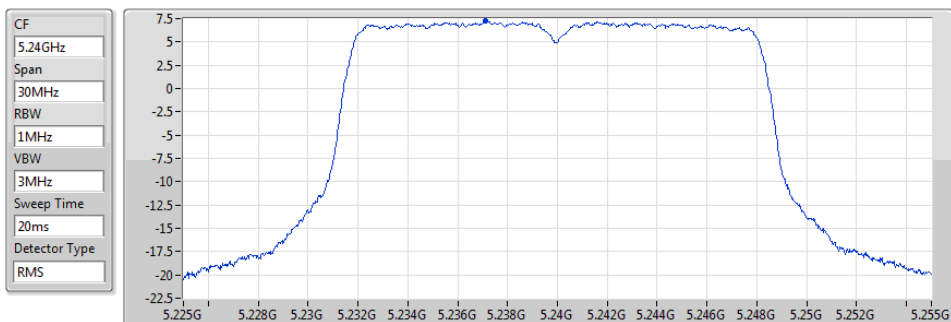


802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

17/02/2019

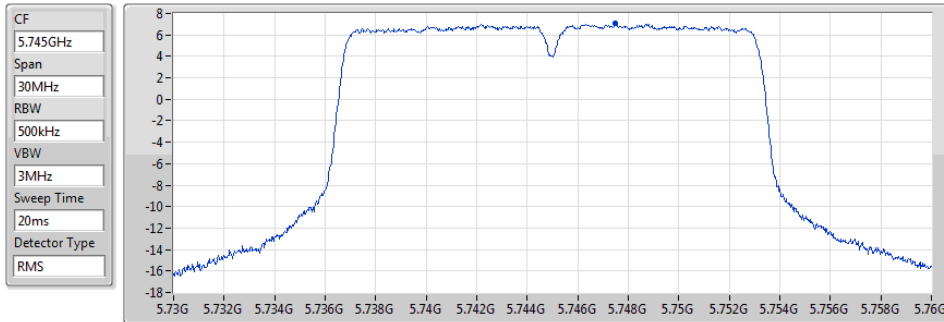


802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

17/02/2019



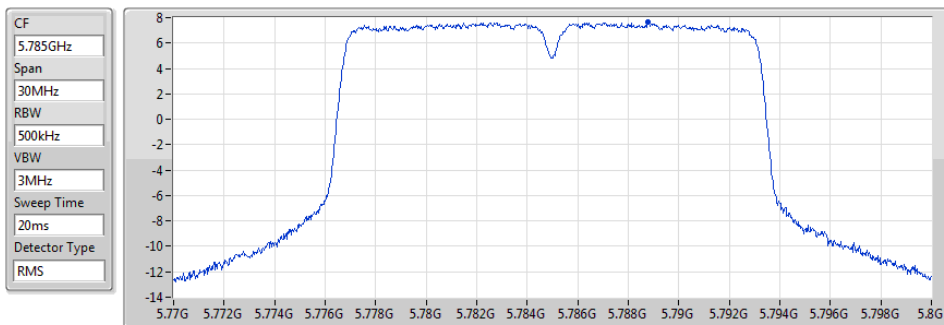
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.09	7.09	7.09

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

17/02/2019



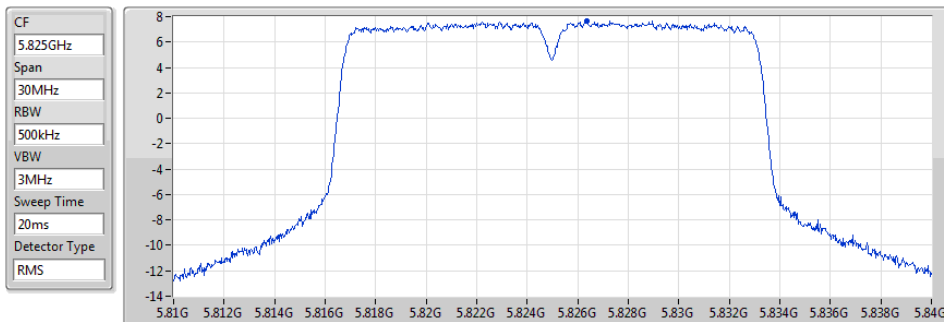
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	7.65

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

17/02/2019



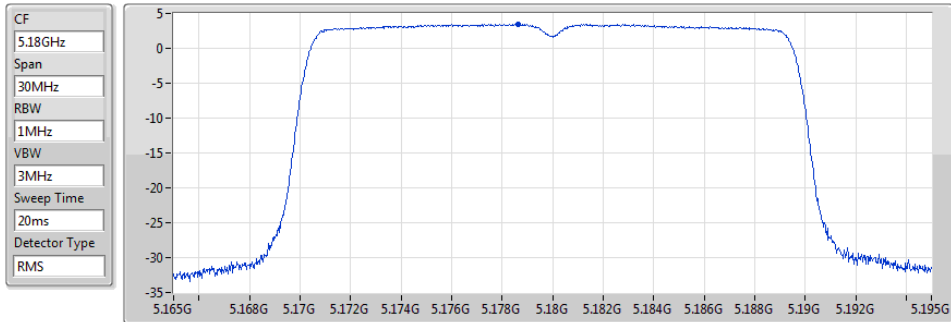
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.69	7.69	7.69

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

17/02/2019



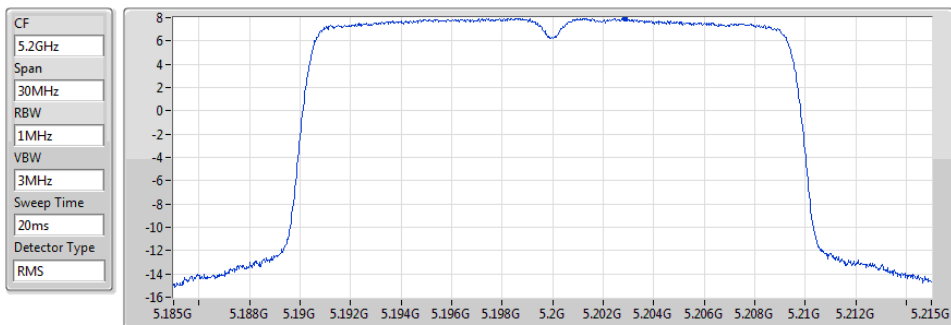
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.44	3.44	3.44

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

17/02/2019



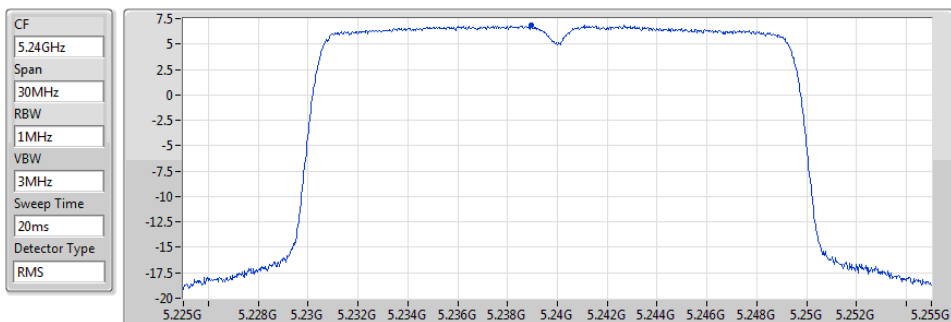
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.95	7.95	7.95

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

17/02/2019



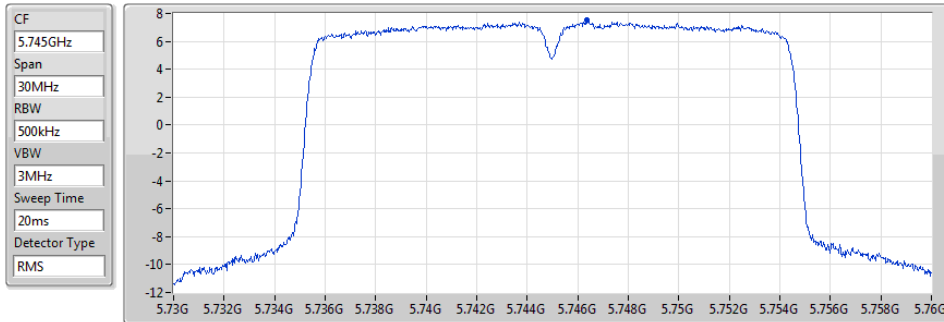
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.84	6.84	6.84

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

17/02/2019



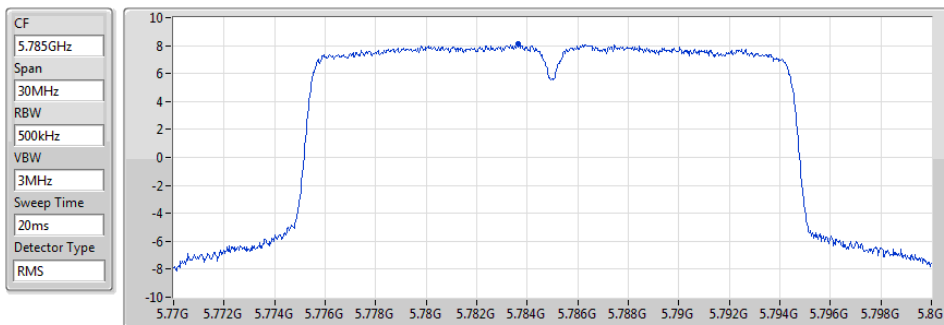
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.52	7.52	7.52

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

17/02/2019



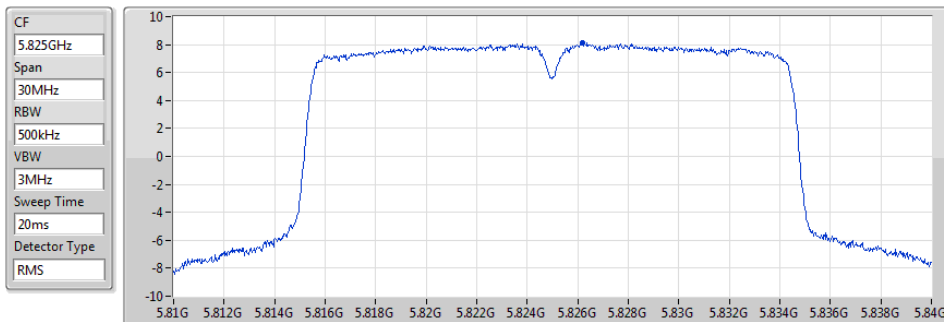
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.12	8.12	8.12

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

17/02/2019



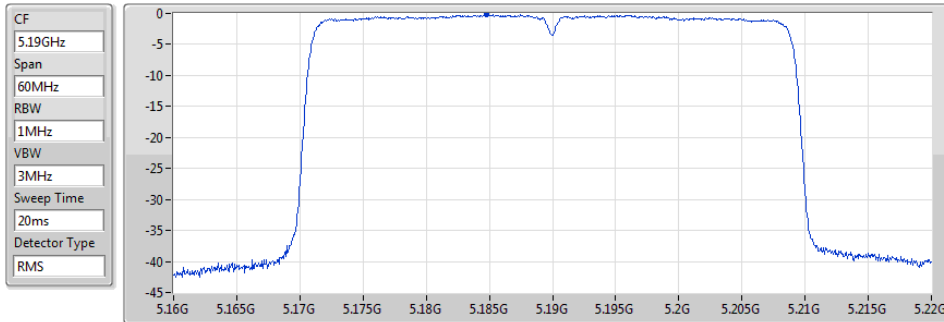
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	8.13

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

17/02/2019



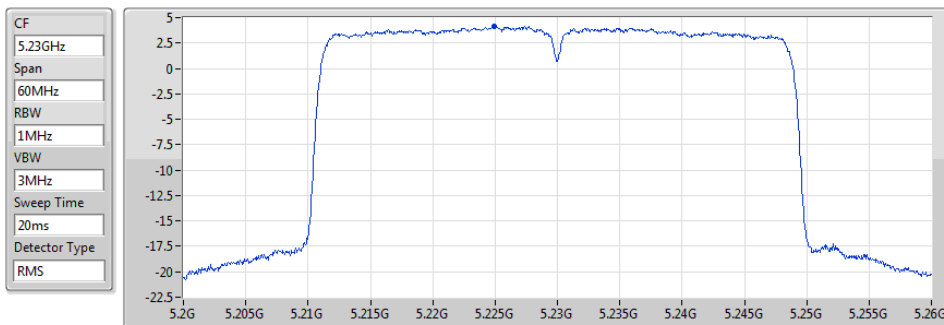
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.11	-0.11	-0.11

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

17/02/2019



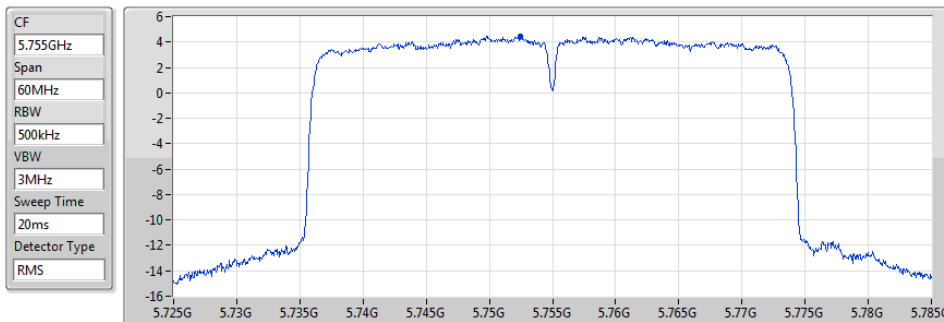
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.09	4.09	4.09

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

17/02/2019



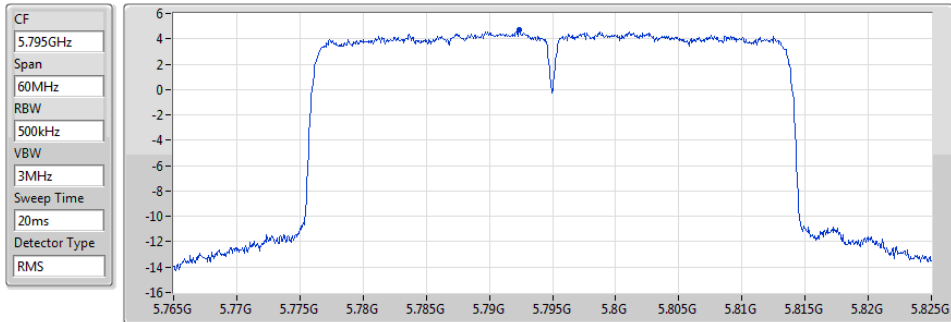
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.47	4.47	4.47

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

17/02/2019



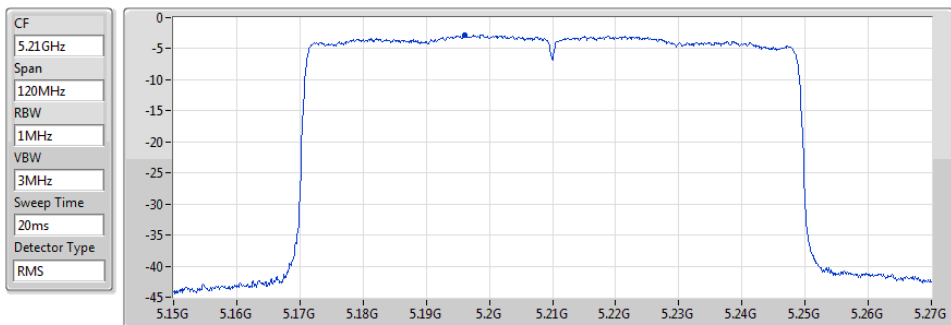
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.75	4.75	4.75

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

17/02/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.80	-2.80	-2.80

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

01/02/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.91	-0.91	-0.91

**For Non-beamforming / 2T2S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	10.12
802.11ax HEW40_Nss2,(MCS0)_2TX	5.51
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.42
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	10.66
802.11ax HEW40_Nss2,(MCS0)_2TX	7.56
802.11ax HEW80_Nss2,(MCS0)_2TX	0.06

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.00	1.36	2.17	4.76	17.00
5200MHz	Pass	3.00	6.78	6.93	9.82	17.00
5240MHz	Pass	3.00	7.14	7.16	10.12	17.00
5745MHz	Pass	3.00	7.29	6.80	9.99	30.00
5785MHz	Pass	3.00	7.96	7.44	10.66	30.00
5825MHz	Pass	3.00	7.84	7.48	10.61	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.00	-1.90	-2.14	0.95	17.00
5230MHz	Pass	3.00	2.86	2.19	5.51	17.00
5755MHz	Pass	3.00	2.71	2.90	5.79	30.00
5795MHz	Pass	3.00	5.17	4.38	7.56	30.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.00	-5.60	-5.18	-2.42	17.00
5775MHz	Pass	3.00	-2.47	-3.39	0.06	30.00

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

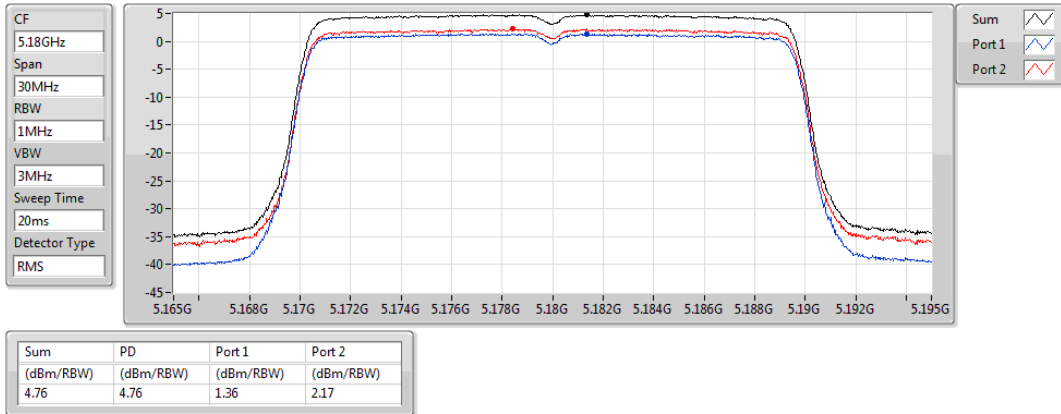
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

17/02/2019

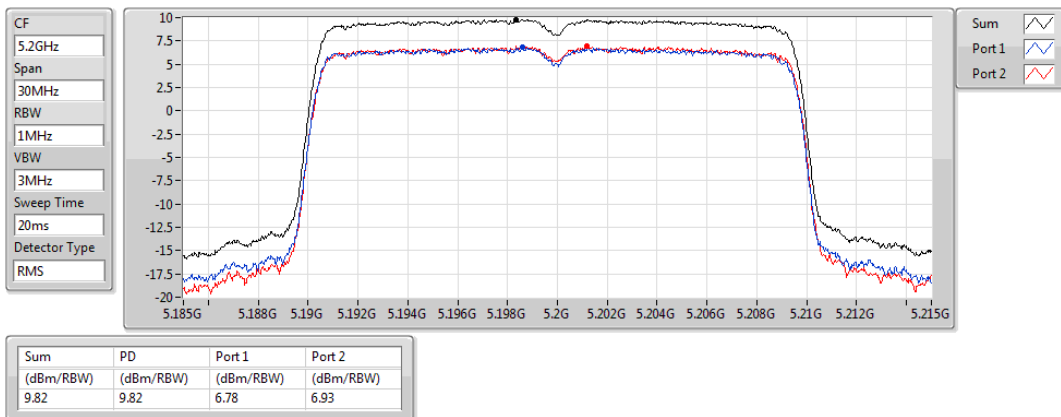


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

17/02/2019

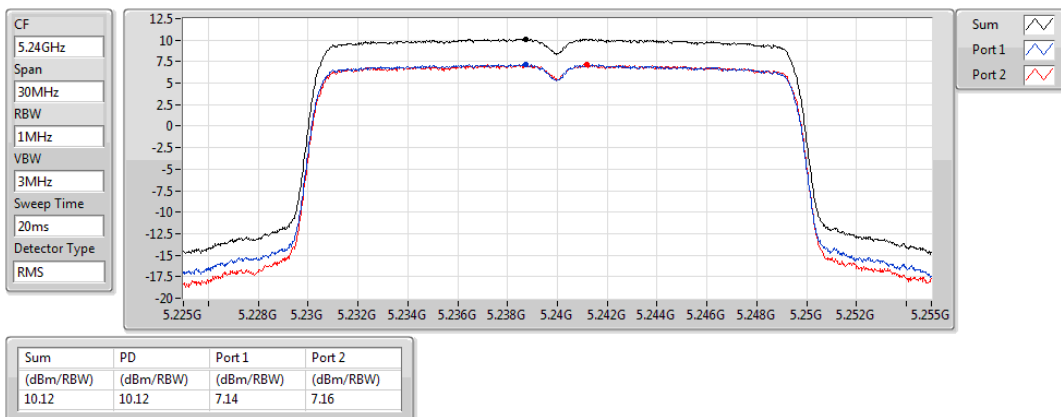


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

17/02/2019

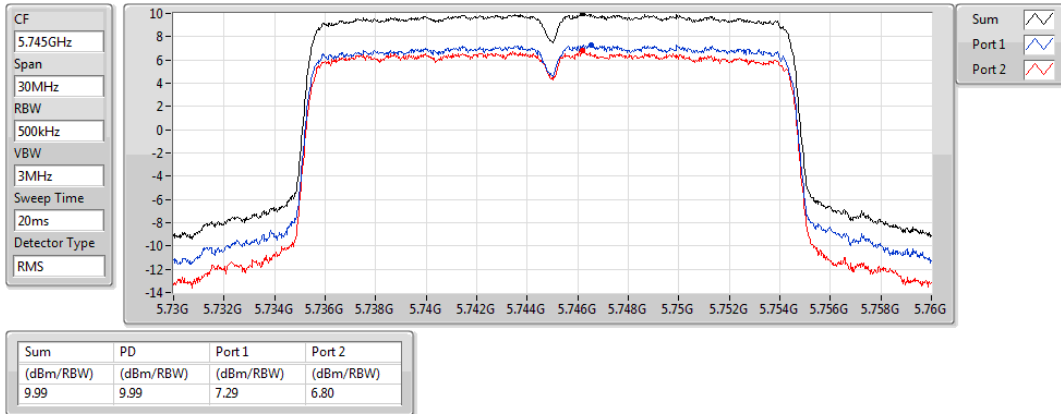


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

17/02/2019

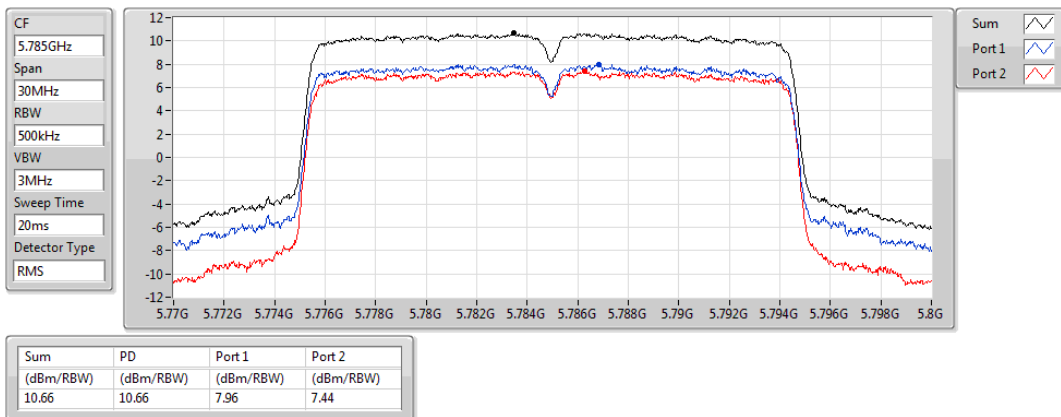


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

17/02/2019

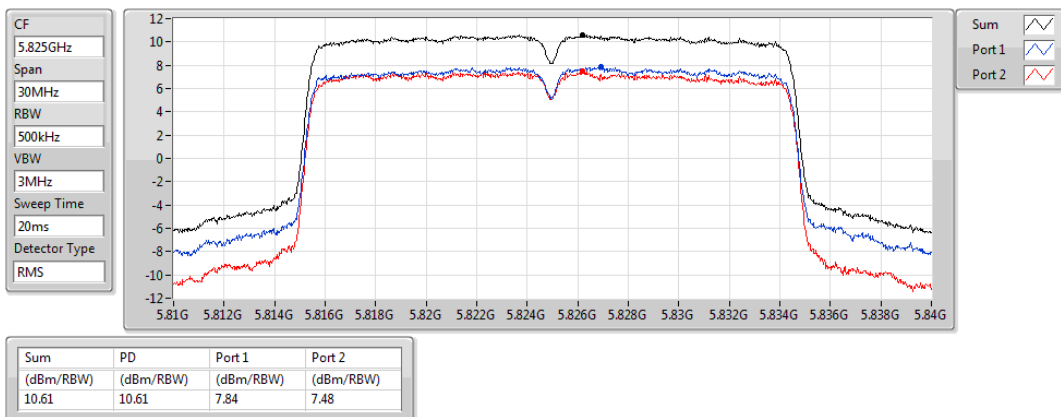


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

17/02/2019

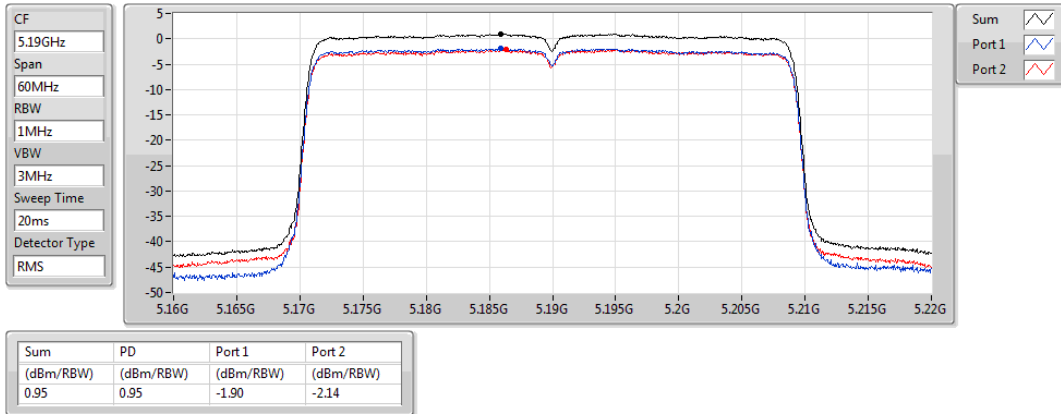


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

01/02/2019

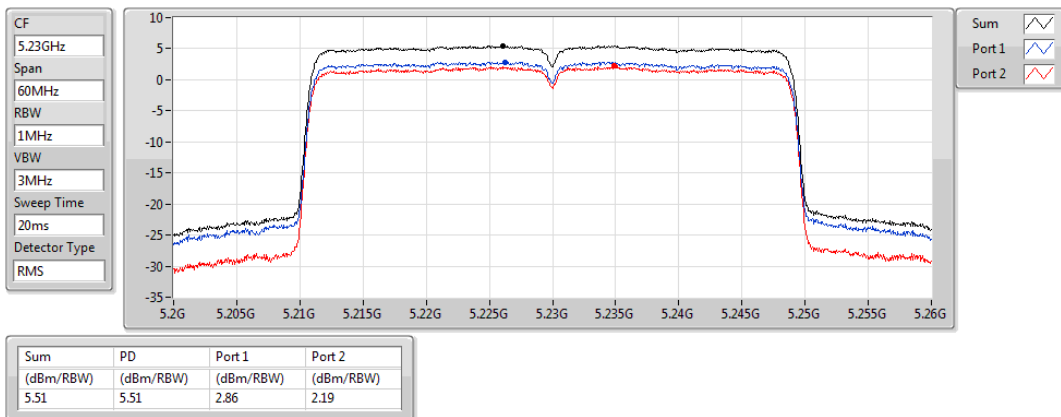


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

01/02/2019



802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

20/02/2019

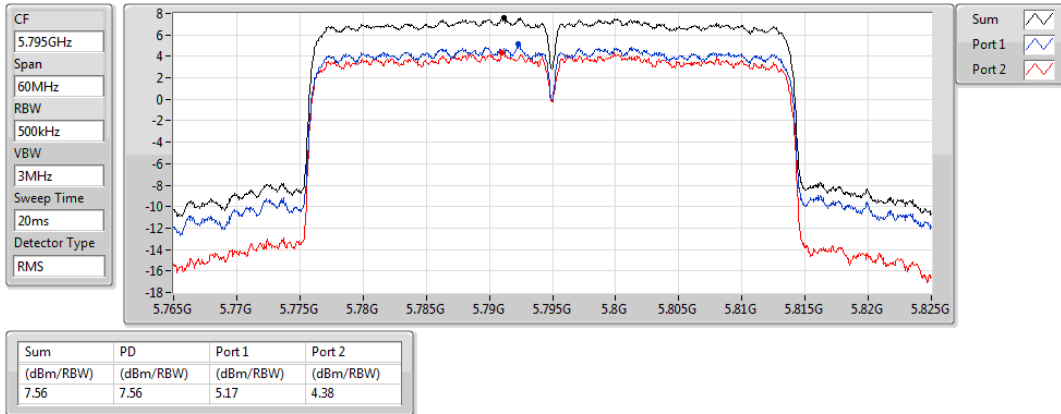


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

17/02/2019

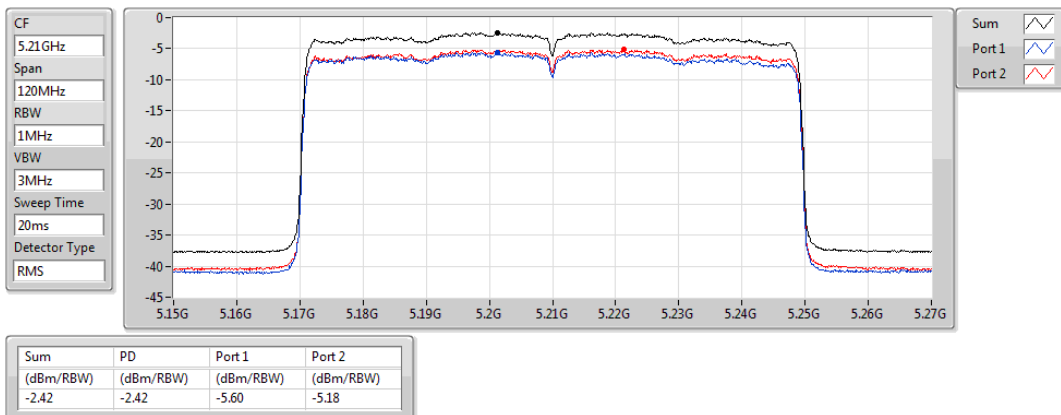


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

17/02/2019

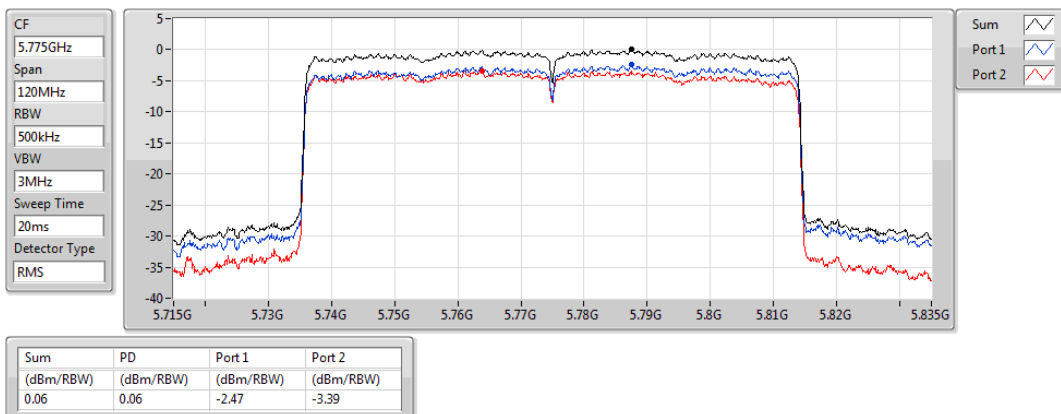


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

01/02/2019



**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.26
802.11ax HEW20_Nss1,(MCS0)_4TX	12.60
802.11ax HEW40_Nss1,(MCS0)_4TX	7.07
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.83
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.16
802.11ax HEW20_Nss1,(MCS0)_4TX	13.33
802.11ax HEW40_Nss1,(MCS0)_4TX	7.65
802.11ax HEW80_Nss1,(MCS0)_4TX	2.13

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	3.12	3.95	3.72	3.62	9.52	13.98
5200MHz	Pass	9.02	7.47	7.40	7.26	7.33	13.26	13.98
5240MHz	Pass	9.02	6.83	6.73	6.91	6.86	12.71	13.98
5745MHz	Pass	9.02	6.51	5.71	6.25	6.09	12.03	26.98
5785MHz	Pass	9.02	7.19	6.85	7.47	6.94	13.04	26.98
5825MHz	Pass	9.02	7.23	7.18	7.55	6.97	13.16	26.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	0.45	1.24	0.84	1.02	6.83	13.98
5200MHz	Pass	9.02	5.36	5.57	5.78	5.58	11.52	13.98
5240MHz	Pass	9.02	6.67	6.48	6.83	6.64	12.60	13.98
5745MHz	Pass	9.02	7.13	6.33	6.92	6.57	12.71	26.98
5785MHz	Pass	9.02	7.46	7.20	7.64	7.24	13.33	26.98
5825MHz	Pass	9.02	7.39	6.74	7.31	6.97	13.06	26.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-3.14	-2.51	-2.76	-3.26	3.02	13.98
5230MHz	Pass	9.02	1.15	1.33	1.21	0.88	7.07	13.98
5755MHz	Pass	9.02	2.23	0.75	1.13	1.21	7.28	26.98
5795MHz	Pass	9.02	2.07	1.31	1.76	1.73	7.65	26.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-6.88	-7.04	-6.38	-6.82	-0.83	13.98
5775MHz	Pass	9.02	-3.46	-4.30	-3.78	-4.04	2.13	26.98

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

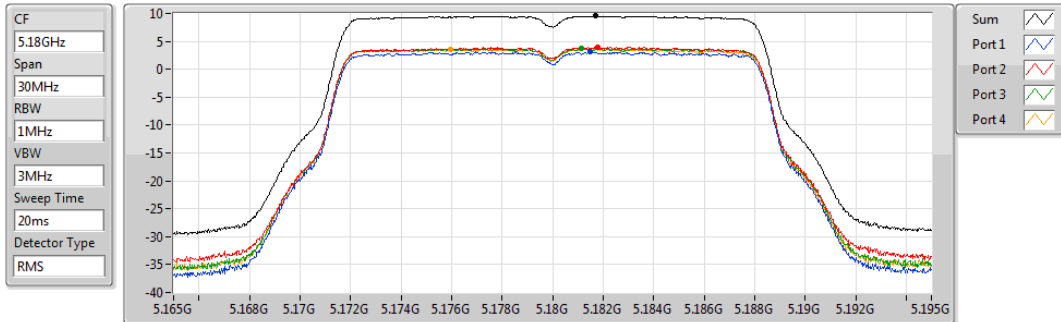
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

16/02/2019



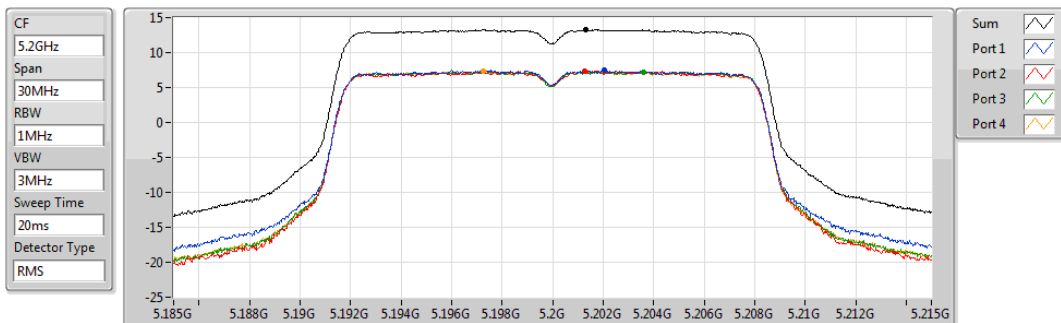
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	3.12	3.95	3.72	3.62

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

16/02/2019



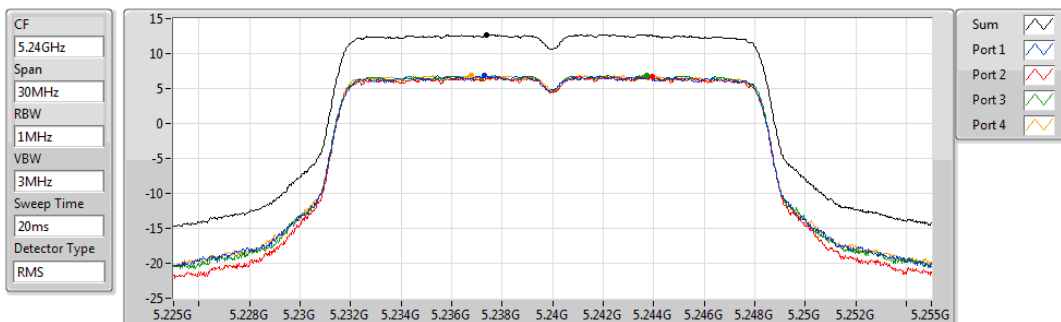
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.26	13.26	7.47	7.40	7.26	7.33

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

16/02/2019



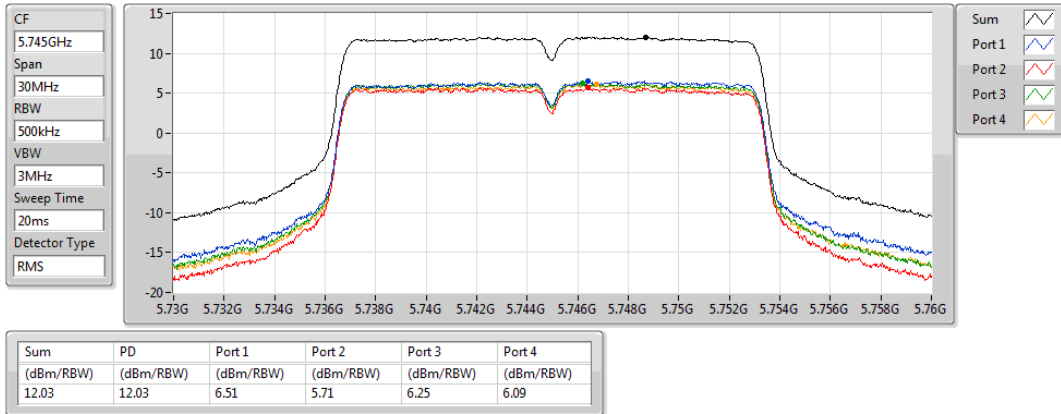
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.71	12.71	6.83	6.73	6.91	6.86

802.11a_Nss1,(6Mbps)_4TX

5745MHz

PSD

16/02/2019

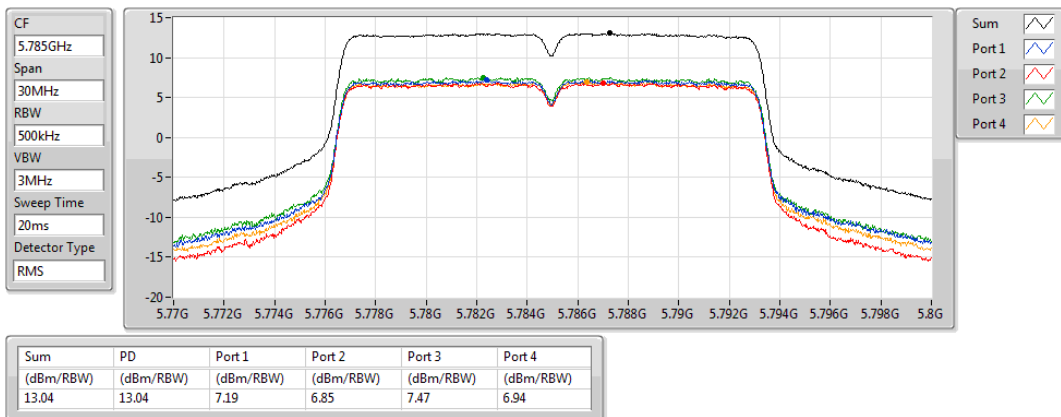


802.11a_Nss1,(6Mbps)_4TX

5785MHz

PSD

16/02/2019

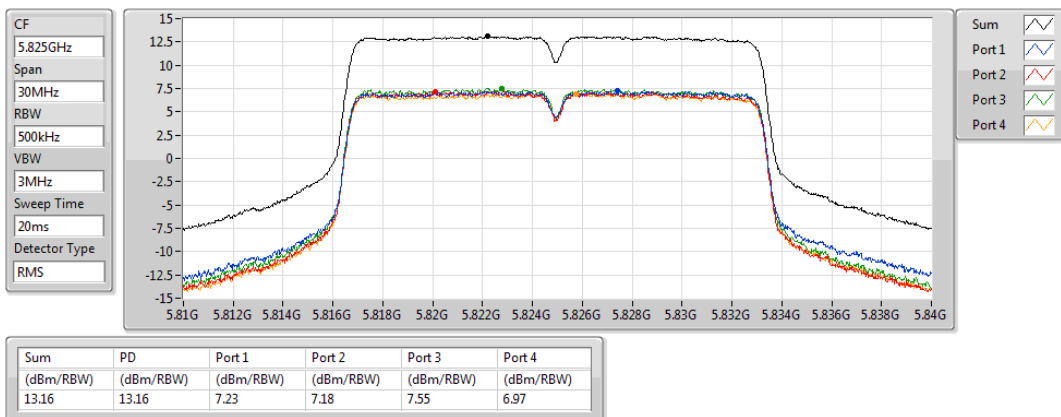


802.11a_Nss1,(6Mbps)_4TX

5825MHz

PSD

16/02/2019

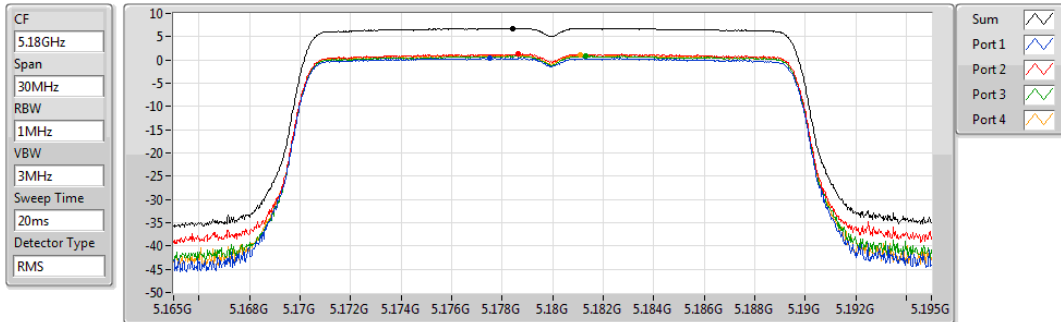


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

01/02/2019



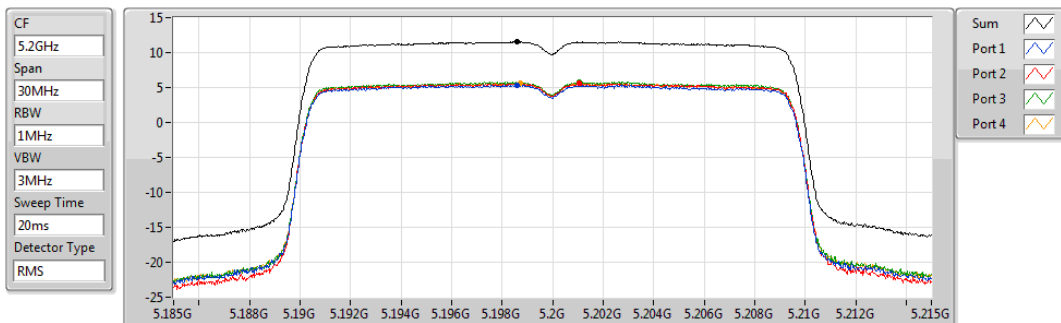
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.83	6.83	0.45	1.24	0.84	1.02

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

16/02/2019



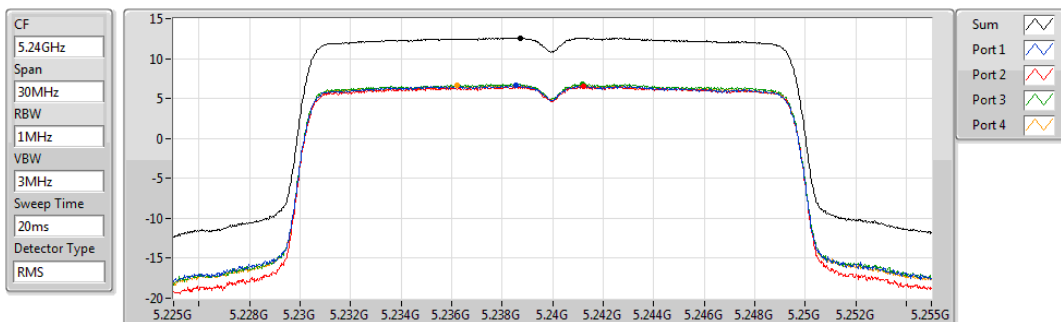
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.52	11.52	5.36	5.57	5.78	5.58

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

16/02/2019



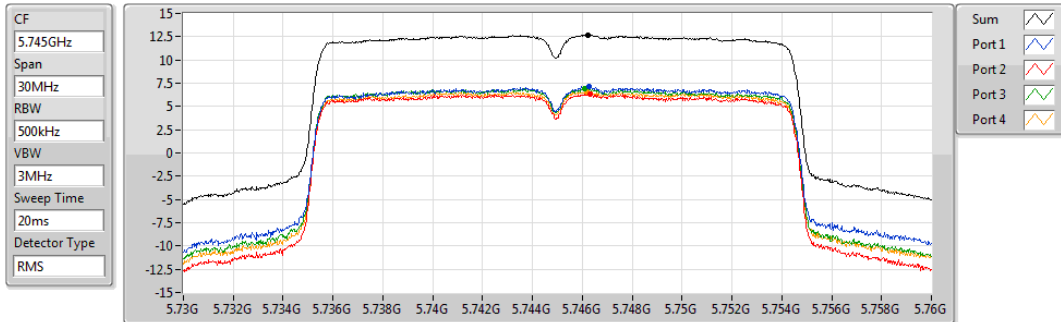
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.60	12.60	6.67	6.48	6.83	6.64

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

16/02/2019



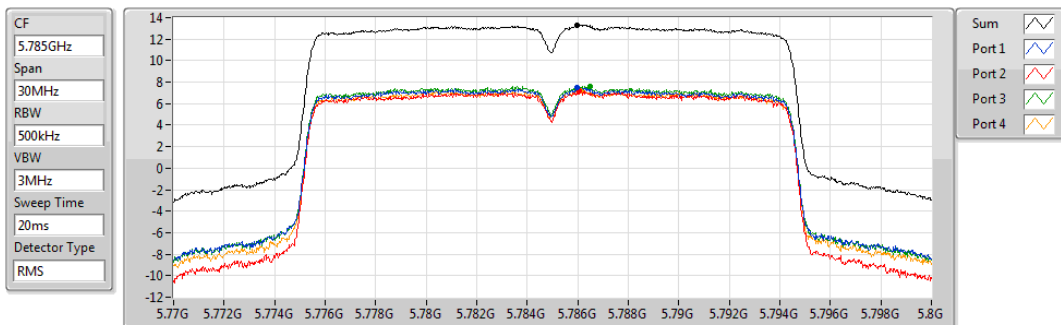
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.71	12.71	7.13	6.33	6.92	6.57

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

16/02/2019



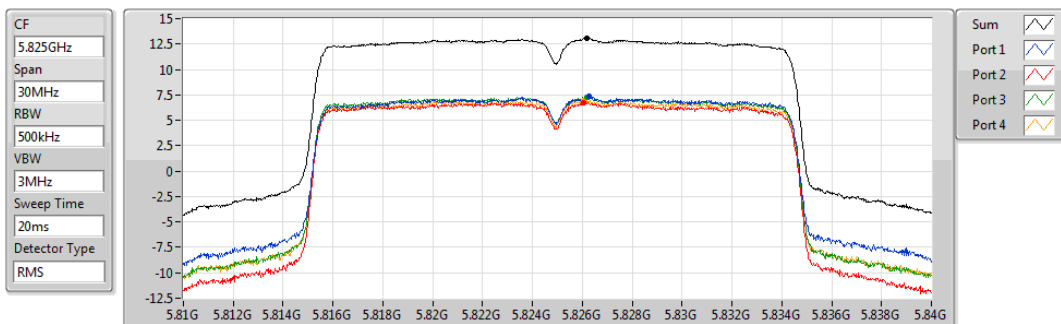
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
13.33	13.33	7.46	7.20	7.64	7.24

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

16/02/2019



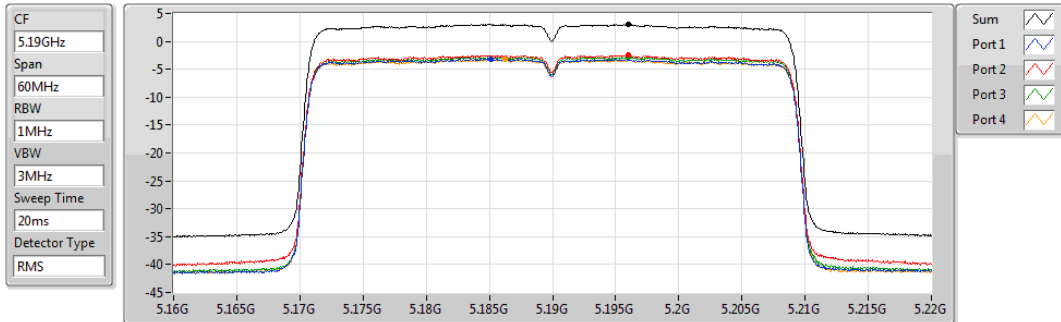
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
13.06	13.06	7.39	6.74	7.31	6.97

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

16/02/2019



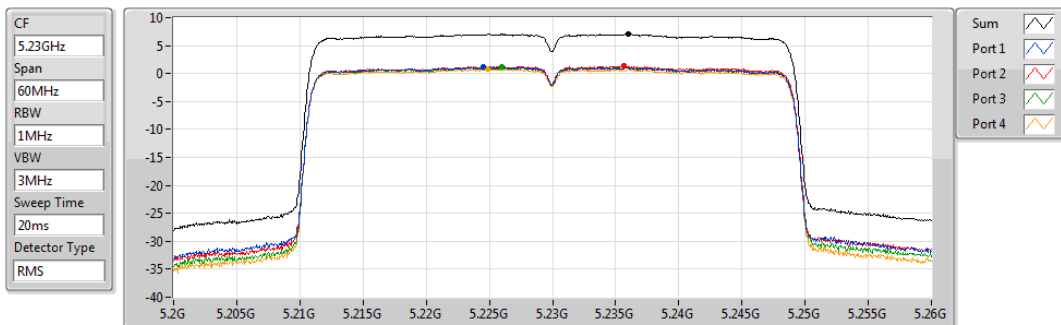
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.02	3.02	-3.14	-2.51	-2.76	-3.26

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

16/02/2019



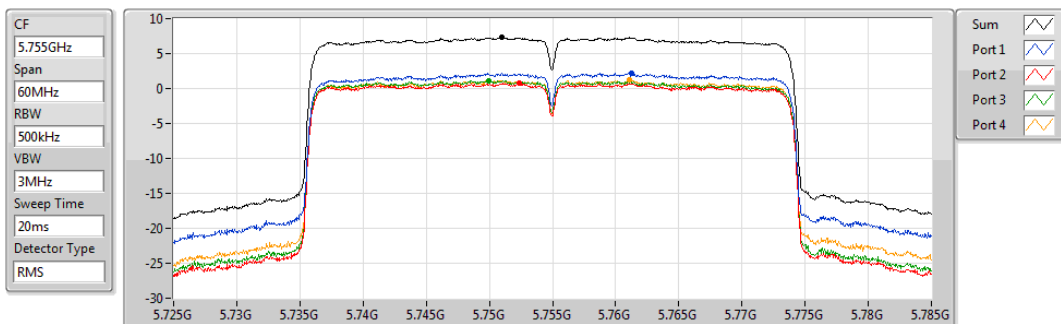
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	1.15	1.33	1.21	0.88

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

16/02/2019



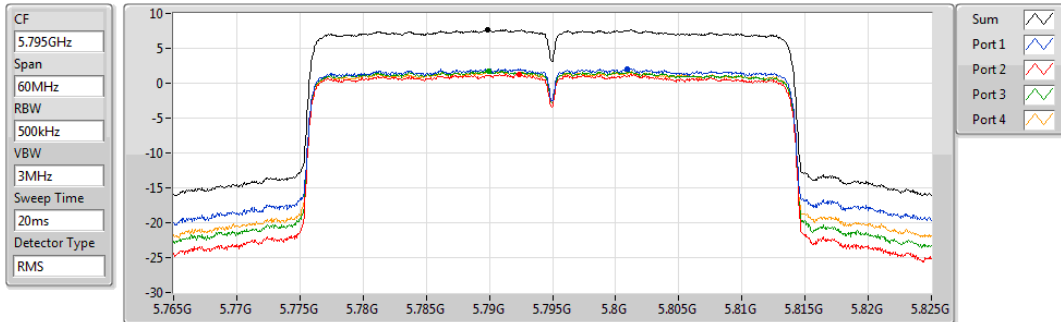
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	2.23	0.75	1.13	1.21

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

16/02/2019



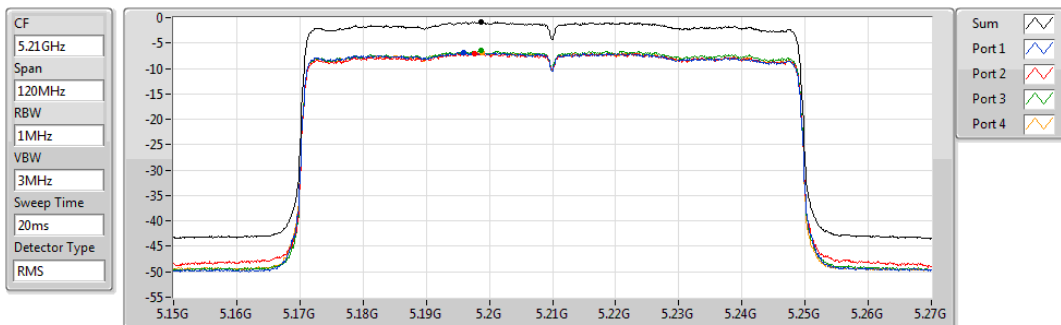
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	2.07	1.31	1.76	1.73

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

01/02/2019



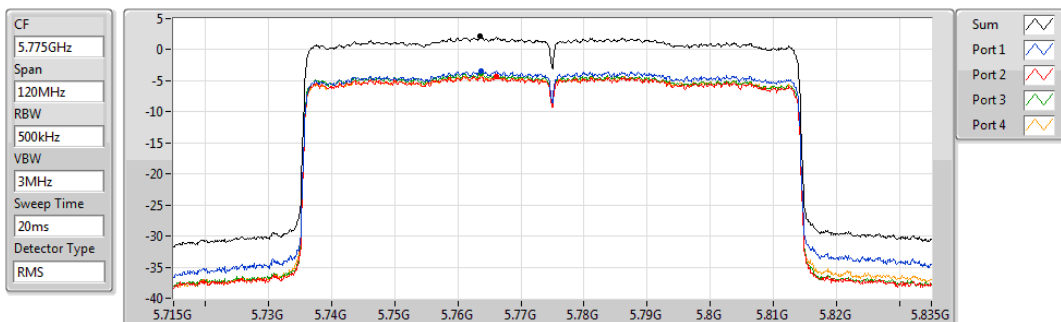
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.83	-0.83	-6.88	-7.04	-6.38	-6.82

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

17/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.13	2.13	-3.46	-4.30	-3.78	-4.04

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.79
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.51
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.51
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.27
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	9.36
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.05

RBW = 500kHz 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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	1.58	2.03	2.63	2.82	8.23	13.98
5200MHz	Pass	9.02	6.27	5.97	6.70	7.25	12.50	13.98
5240MHz	Pass	9.02	6.61	6.59	6.88	7.18	12.79	13.98
5745MHz	Pass	9.02	6.53	5.90	6.45	6.36	12.27	26.98
5785MHz	Pass	9.02	6.54	5.98	6.43	6.30	12.25	26.98
5825MHz	Pass	9.02	6.86	5.88	6.24	6.14	12.18	26.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-2.33	-1.17	-1.18	-1.99	4.32	13.98
5230MHz	Pass	9.02	2.22	2.82	2.78	2.49	8.51	13.98
5755MHz	Pass	9.02	2.79	2.30	2.48	2.45	8.42	26.98
5795MHz	Pass	9.02	4.05	3.01	3.36	3.22	9.36	26.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-4.91	-4.61	-4.19	-3.96	1.51	13.98
5775MHz	Pass	9.02	-2.43	-2.83	-2.88	-3.32	3.05	26.98

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

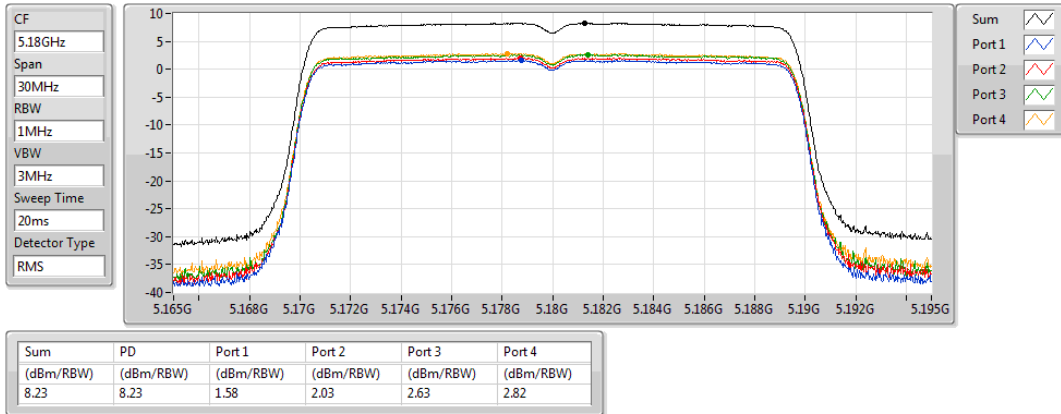
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

20/02/2019

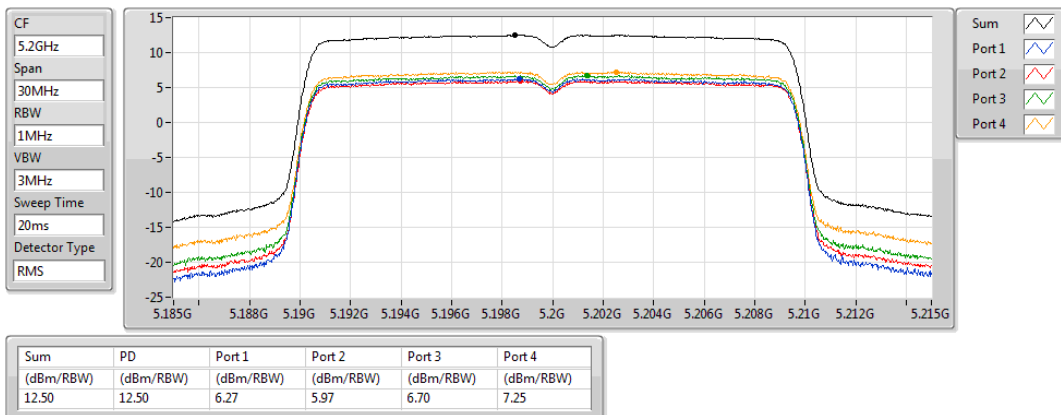


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

20/02/2019

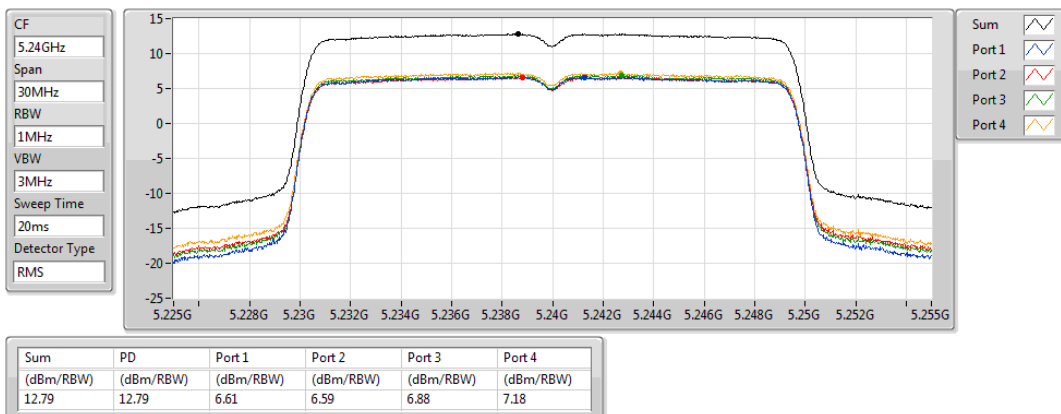


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

20/02/2019

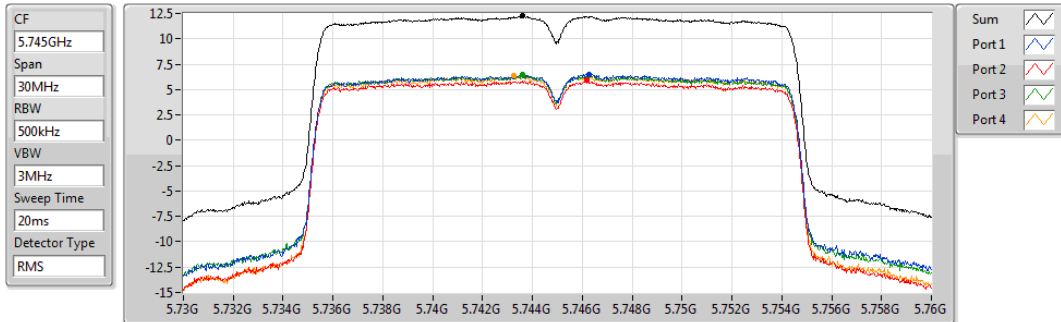


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

20/02/2019



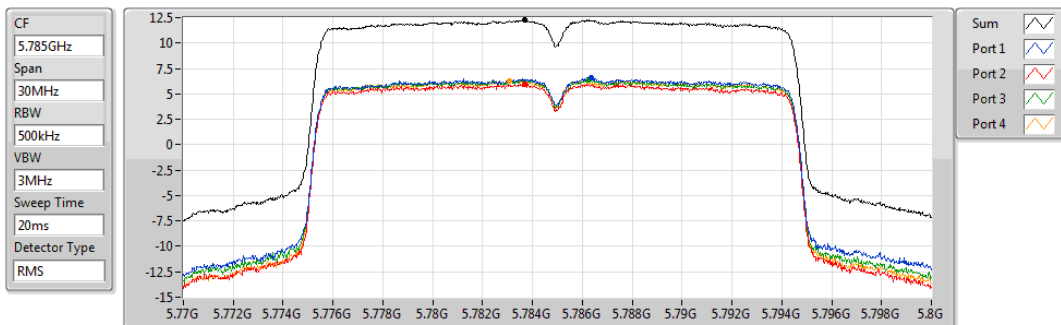
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
12.27	12.27	6.53	5.90	6.45	6.36

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

20/02/2019



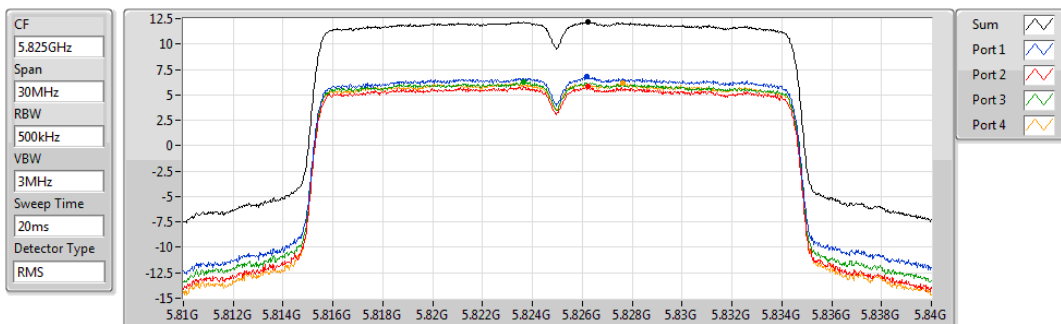
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
12.25	12.25	6.54	5.98	6.43	6.30

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

20/02/2019



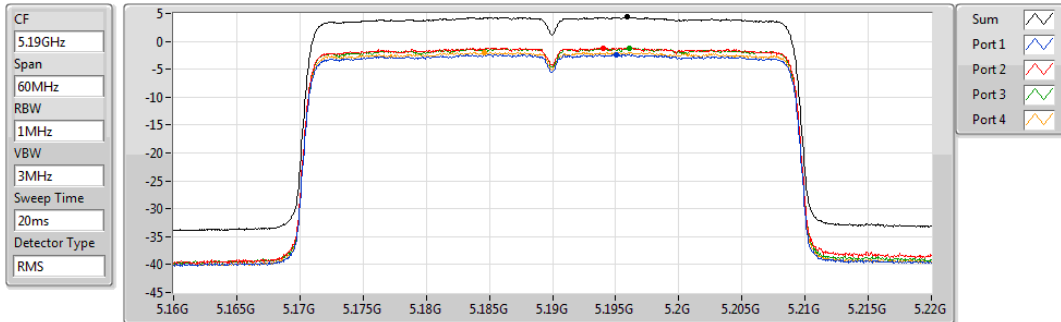
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
12.18	12.18	6.86	5.88	6.24	6.14

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

20/02/2019



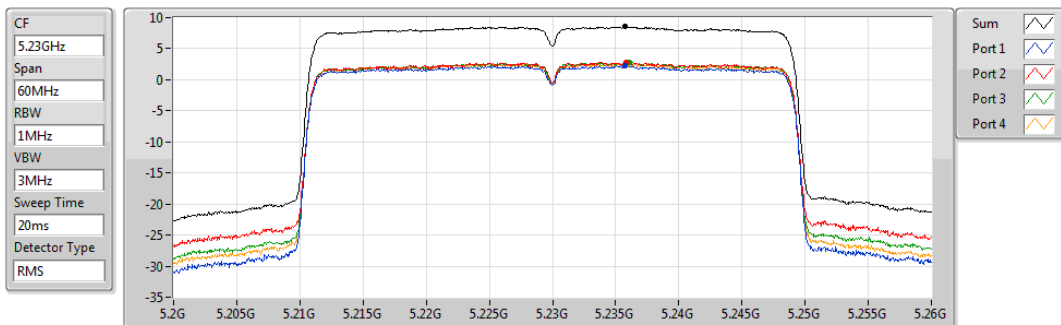
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.32	4.32	-2.33	-1.17	-1.18	-1.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

20/02/2019



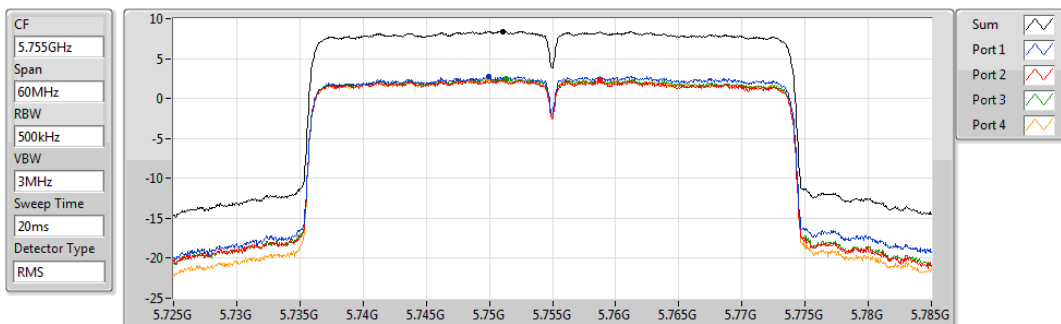
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.51	8.51	2.22	2.82	2.78	2.49

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

20/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.42	8.42	2.79	2.30	2.48	2.45