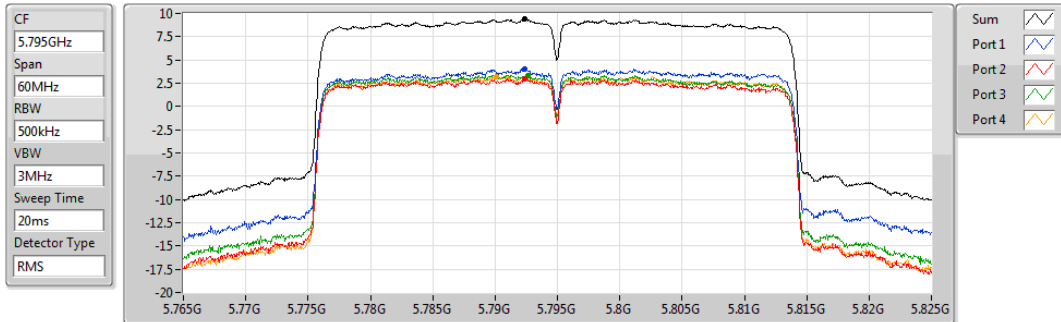


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

20/02/2019



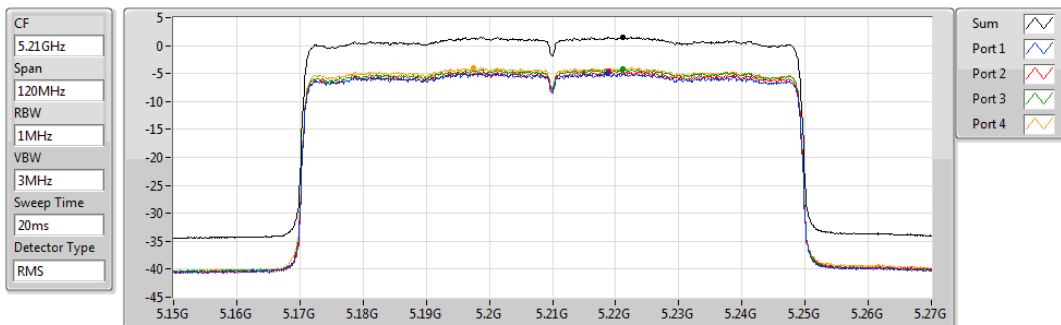
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.36	9.36	4.05	3.01	3.36	3.22

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

20/02/2019



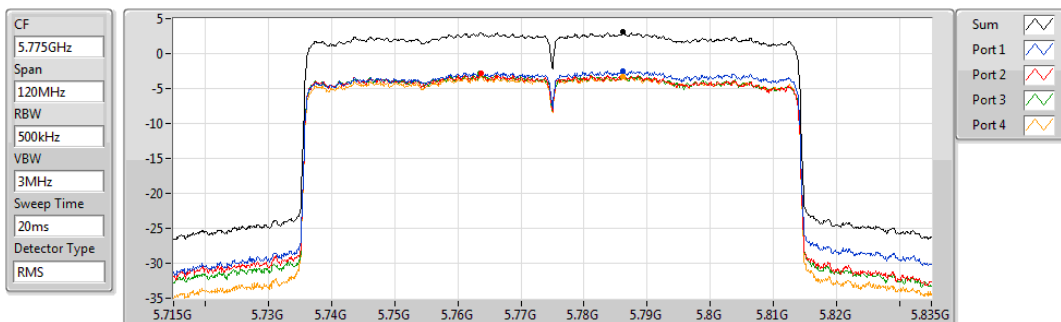
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	-4.91	-4.61	-4.19	-3.96

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

20/02/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.05	3.05	-2.43	-2.83	-2.88	-3.32

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.97
802.11ax HEW40_Nss4,(MCS0)_4TX	7.38
802.11ax HEW80_Nss4,(MCS0)_4TX	-0.15
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	13.38
802.11ax HEW40_Nss4,(MCS0)_4TX	9.46
802.11ax HEW80_Nss4,(MCS0)_4TX	3.43

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	3.00	0.82	1.75	1.71	1.68	7.43	17.00
5200MHz	Pass	3.00	5.52	5.77	5.79	6.01	11.72	17.00
5240MHz	Pass	3.00	7.11	6.93	6.92	7.16	12.97	17.00
5745MHz	Pass	3.00	7.31	6.95	7.21	7.11	12.95	30.00
5785MHz	Pass	3.00	7.76	7.43	7.93	7.62	13.38	30.00
5825MHz	Pass	3.00	7.60	7.19	7.68	7.57	13.32	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.00	-2.96	-2.45	-2.69	-2.90	3.12	17.00
5230MHz	Pass	3.00	1.57	1.46	1.65	1.10	7.38	17.00
5755MHz	Pass	3.00	3.63	1.91	3.30	2.78	8.87	30.00
5795MHz	Pass	3.00	3.87	3.08	3.80	3.61	9.46	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.00	-6.60	-5.95	-5.71	-6.40	-0.15	17.00
5775MHz	Pass	3.00	-1.98	-3.18	-2.32	-2.46	3.43	30.00

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

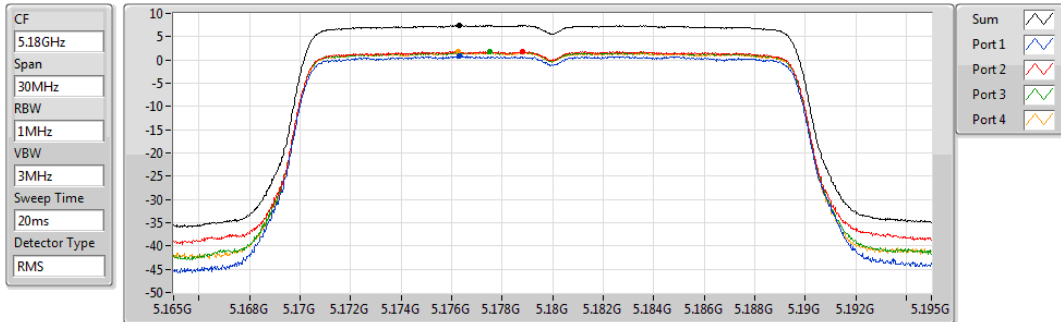
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

17/02/2019



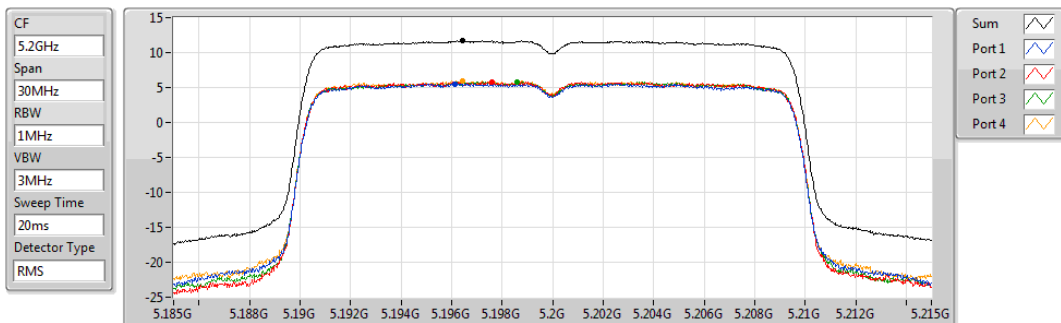
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	0.82	1.75	1.71	1.68

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

17/02/2019



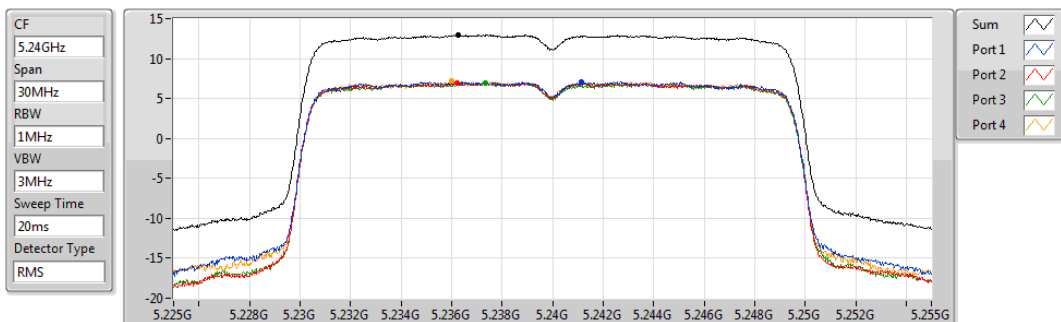
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.72	11.72	5.52	5.77	5.79	6.01

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

17/02/2019



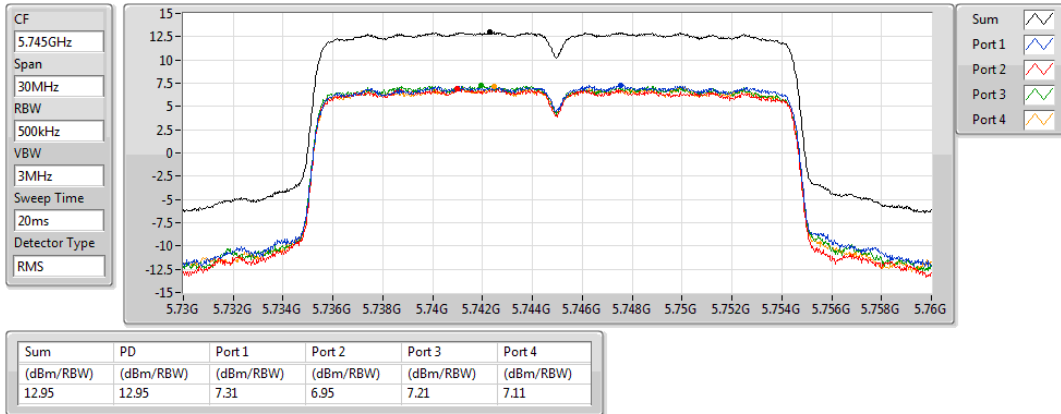
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.97	12.97	7.11	6.93	6.92	7.16

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

17/02/2019

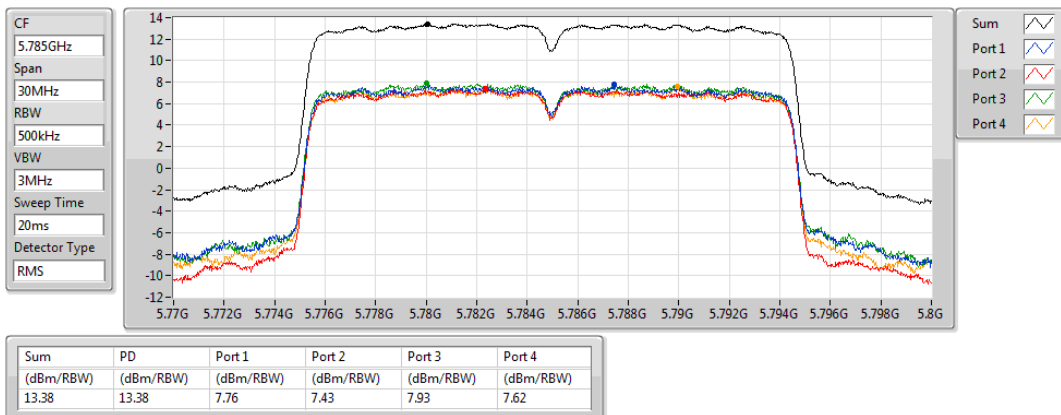


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

17/02/2019

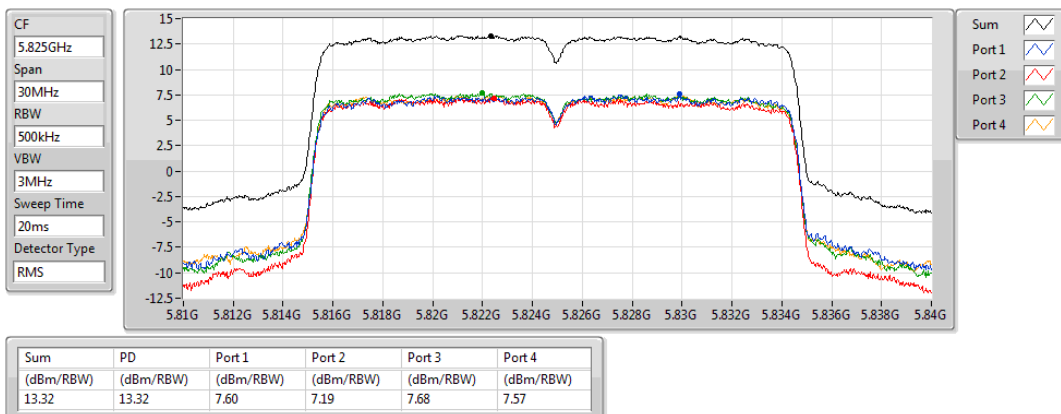


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

17/02/2019

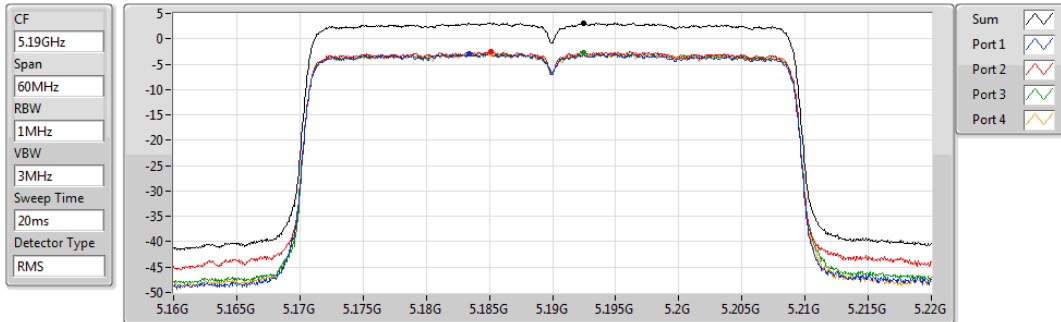


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

17/02/2019



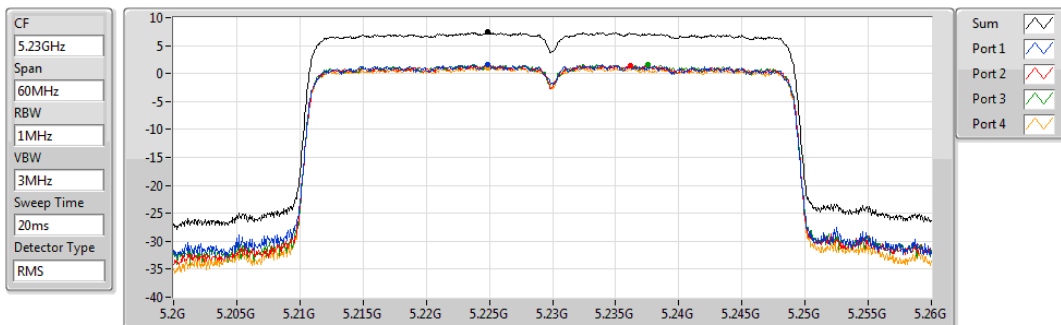
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.12	3.12	-2.96	-2.45	-2.69	-2.90

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

17/02/2019



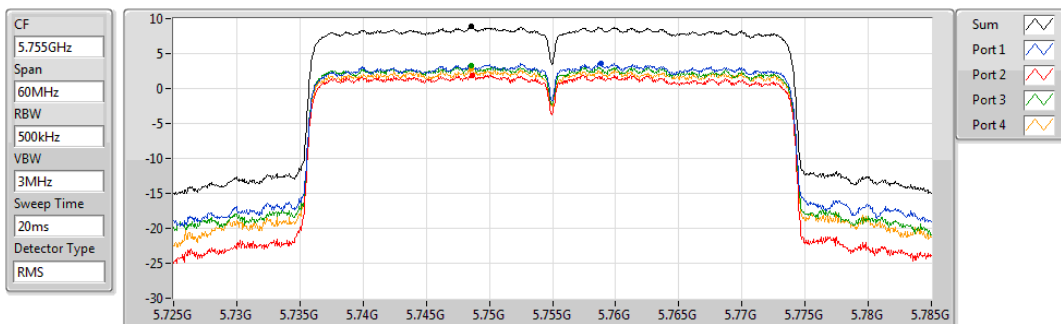
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.38	7.38	1.57	1.46	1.65	1.10

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

17/02/2019



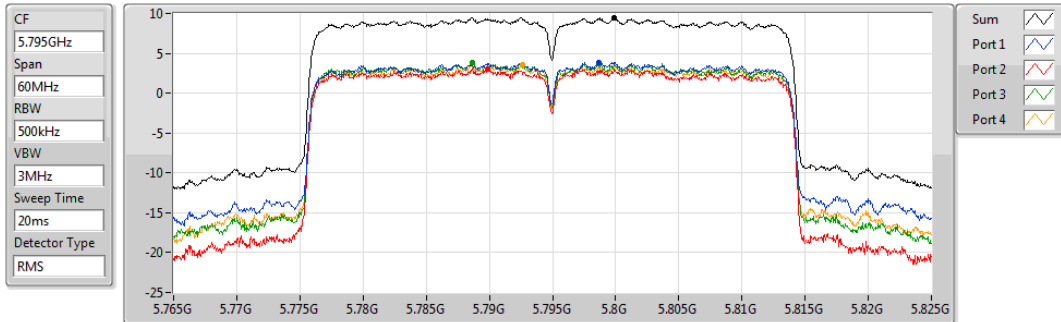
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.87	8.87	3.63	1.91	3.30	2.78

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

17/02/2019



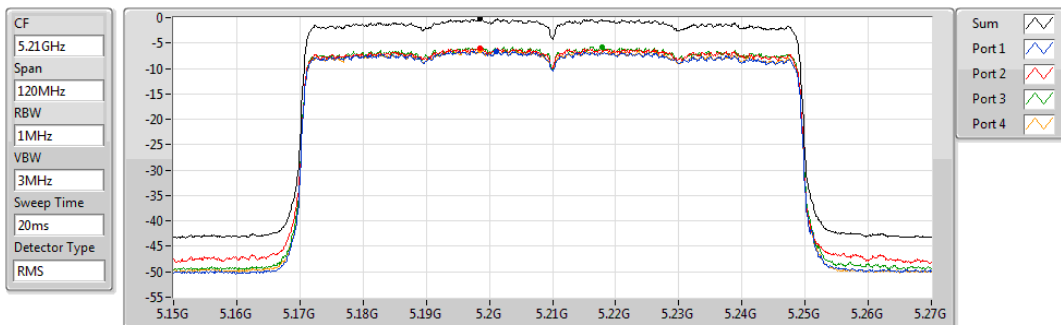
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.46	9.46	3.87	3.08	3.80	3.61

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

17/02/2019



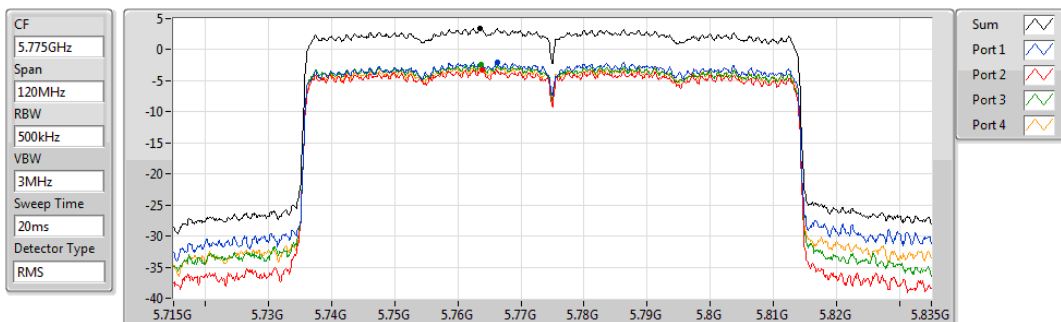
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-6.60	-5.95	-5.71	-6.40

802.11ax HEW80_Nss4,(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)
3.43	3.43	-1.98	-3.18	-2.32	-2.46

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	6.21
802.11ax HEW20_Nss1,(MCS0)_1TX	5.94
802.11ax HEW40_Nss1,(MCS0)_1TX	3.06
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.54
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.75
802.11ax HEW20_Nss1,(MCS0)_1TX	6.77
802.11ax HEW40_Nss1,(MCS0)_1TX	4.43
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.01

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	4.56	4.56	17.00
5200MHz	Pass	6.00	5.98	5.98	17.00
5240MHz	Pass	6.00	6.21	6.21	17.00
5745MHz	Pass	6.00	6.32	6.32	30.00
5785MHz	Pass	6.00	6.75	6.75	30.00
5825MHz	Pass	6.00	6.19	6.19	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	3.17	3.17	17.00
5200MHz	Pass	6.00	5.92	5.92	17.00
5240MHz	Pass	6.00	5.94	5.94	17.00
5745MHz	Pass	6.00	6.29	6.29	30.00
5785MHz	Pass	6.00	6.77	6.77	30.00
5825MHz	Pass	6.00	5.28	5.28	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.00	-0.71	-0.71	17.00
5230MHz	Pass	6.00	3.06	3.06	17.00
5755MHz	Pass	6.00	4.00	4.00	30.00
5795MHz	Pass	6.00	4.43	4.43	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.00	-3.54	-3.54	17.00
5775MHz	Pass	6.00	-1.01	-1.01	30.00

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

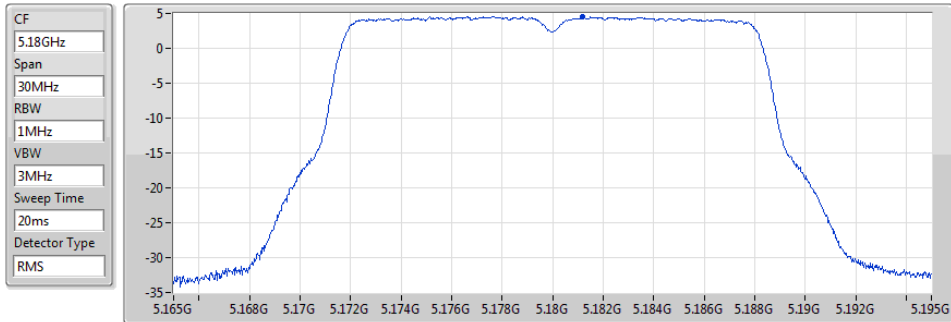
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

24/01/2019



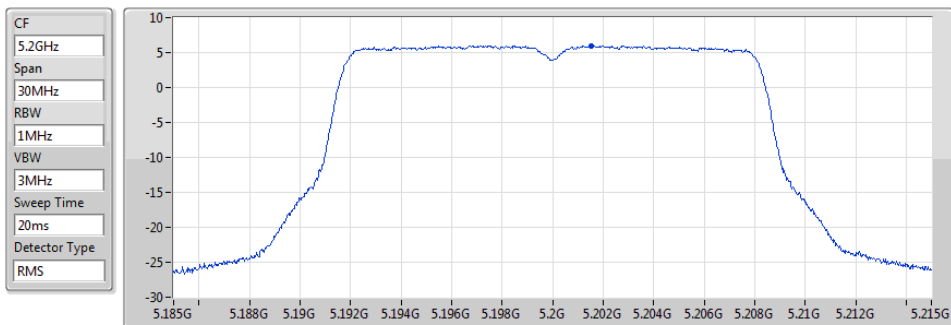
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	4.56

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

24/01/2019



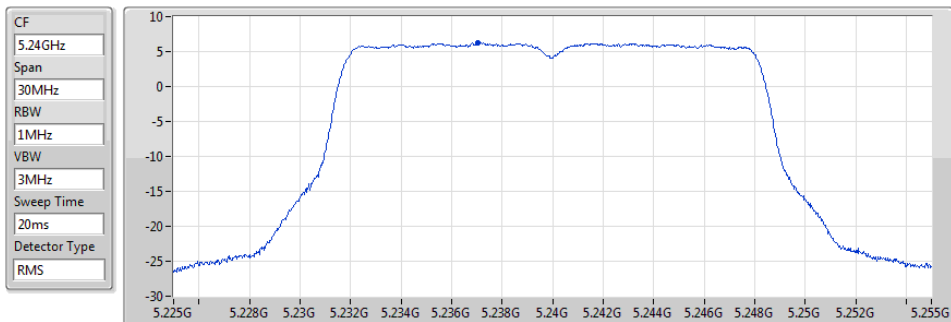
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.98	5.98	5.98

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

24/01/2019



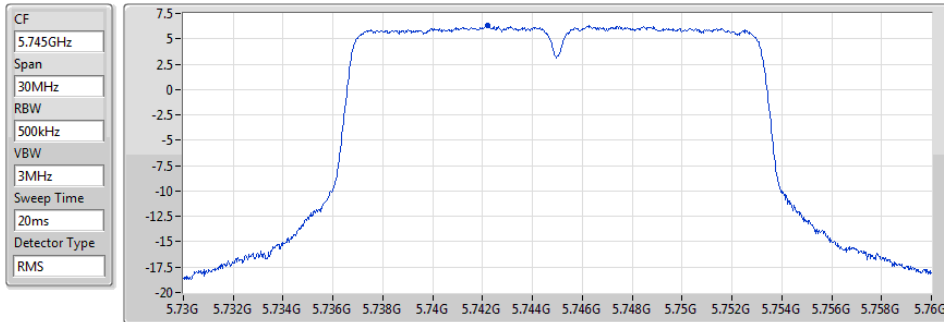
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

24/01/2019



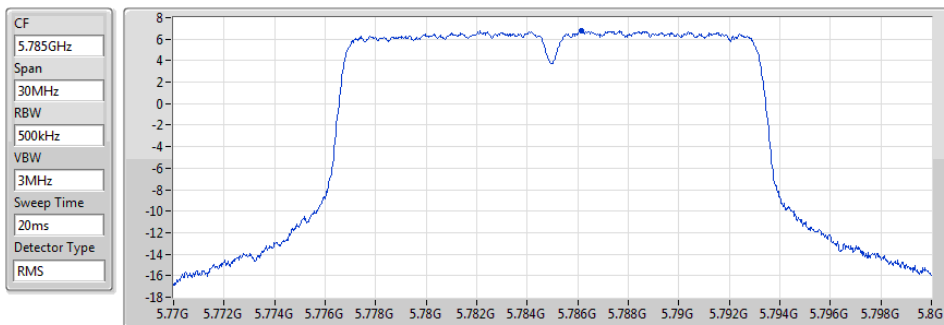
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.32	6.32	6.32

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

24/01/2019



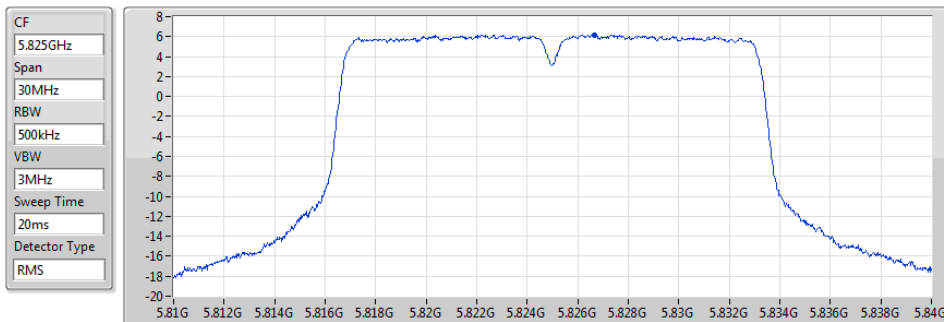
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.75	6.75	6.75

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

24/01/2019



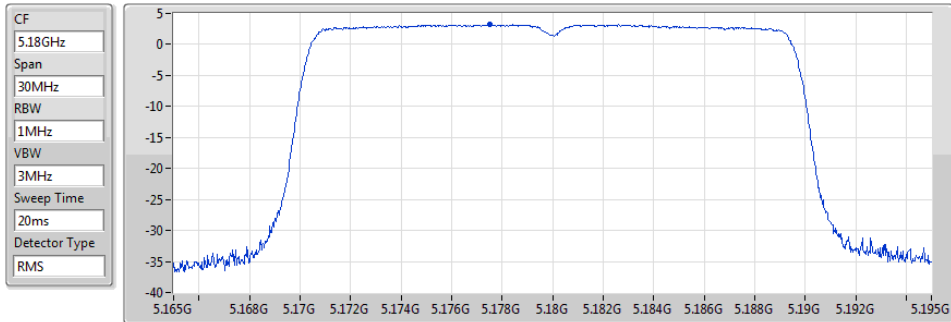
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.19	6.19	6.19

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

24/01/2019



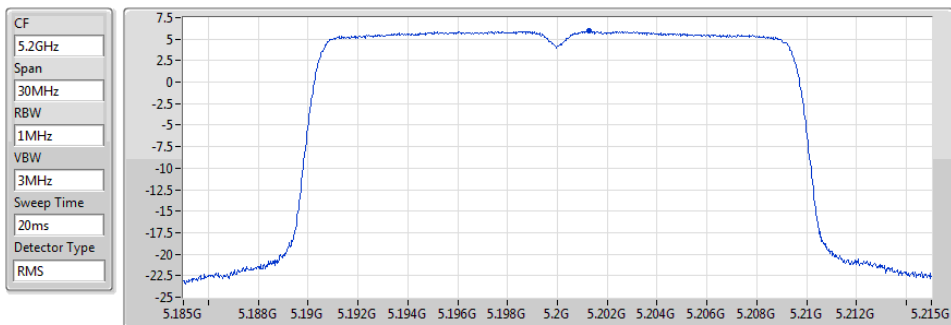
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.17	3.17	3.17

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

24/01/2019



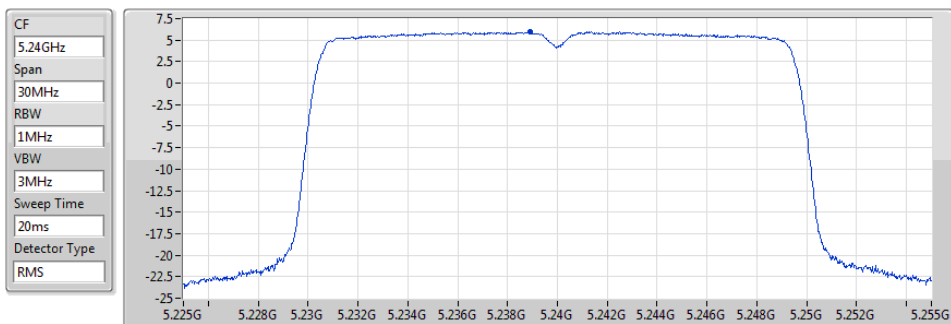
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.92	5.92	5.92

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

24/01/2019



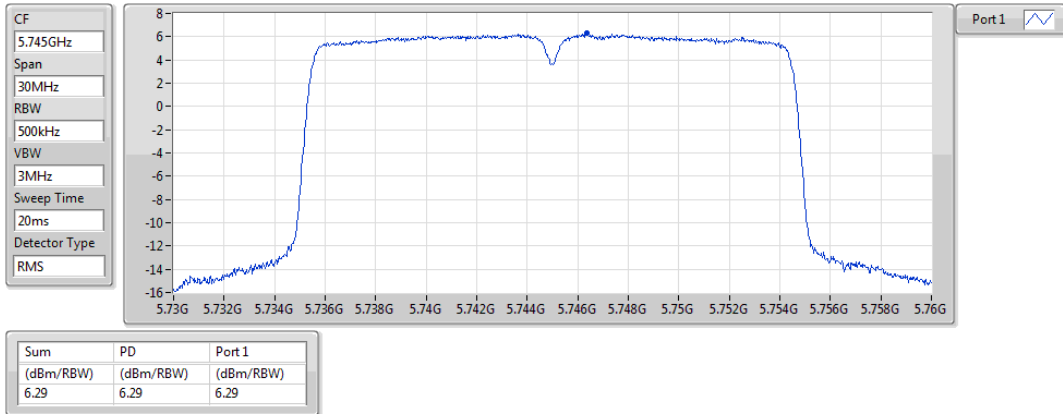
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.94	5.94	5.94

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

24/01/2019

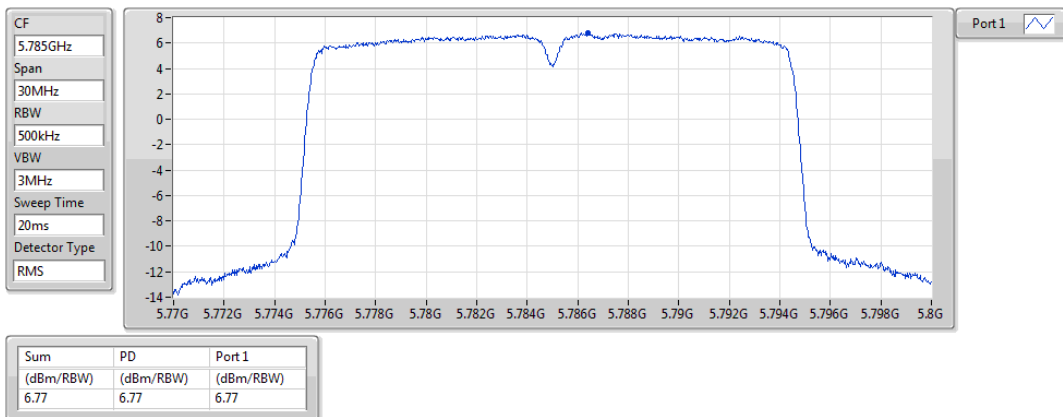


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

24/01/2019

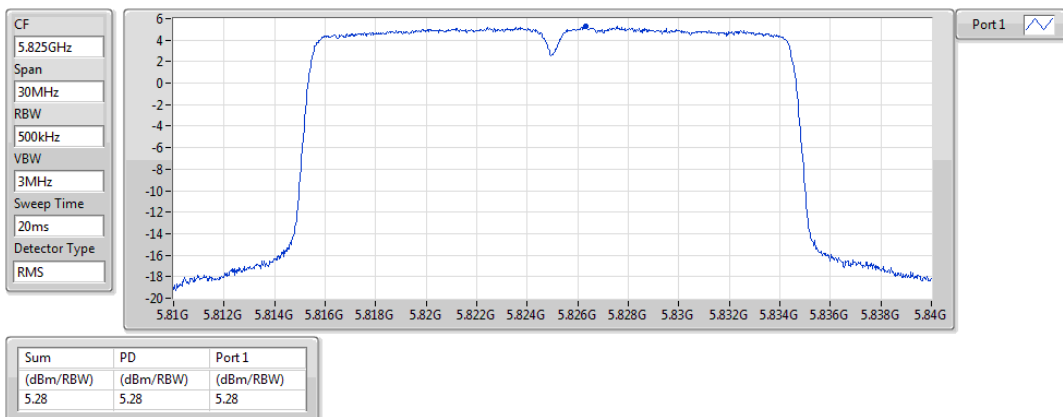


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

24/01/2019

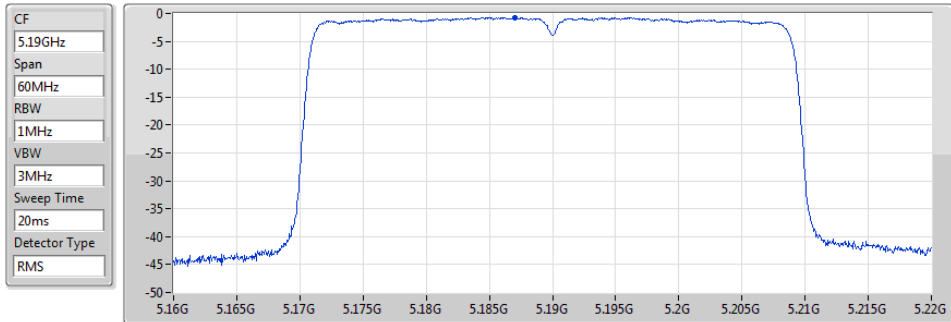


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

24/01/2019



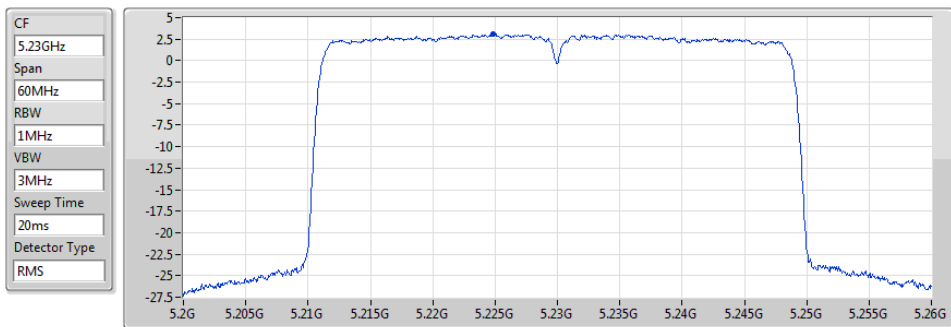
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.71	-0.71	-0.71

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

24/01/2019



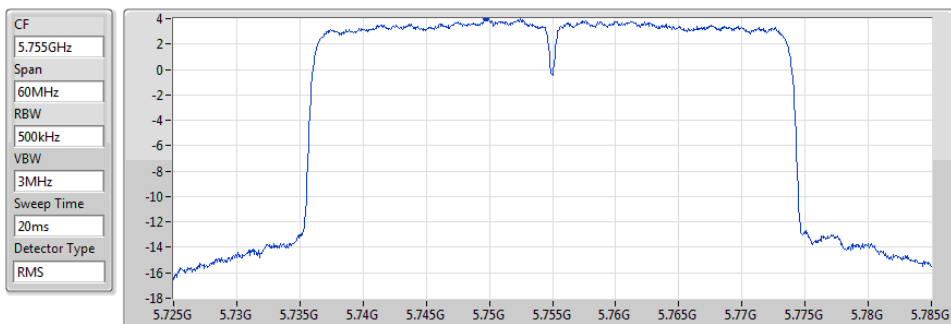
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.06	3.06	3.06

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

24/01/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.00	4.00	4.00

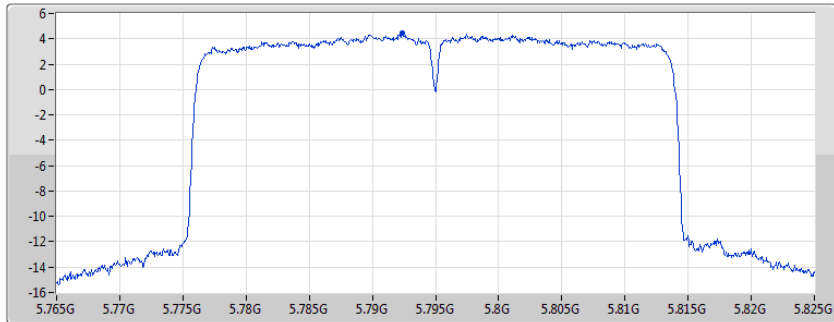
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

24/01/2019

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.43	4.43	4.43

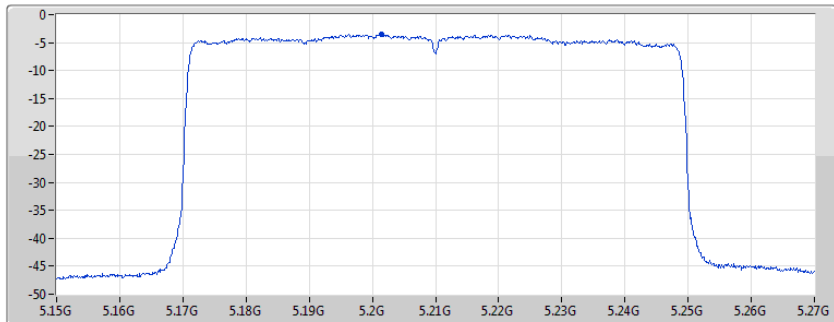
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

24/01/2019

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.54	-3.54	-3.54

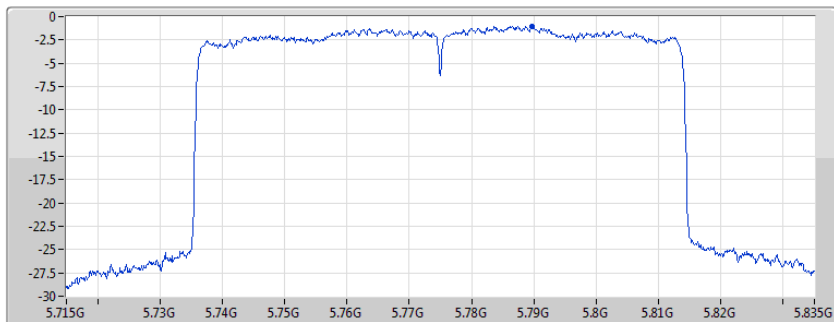
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

24/01/2019

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.01	-1.01	-1.01

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.20
802.11ax HEW40_Nss2,(MCS0)_2TX	5.32
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.25
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.44
802.11ax HEW40_Nss2,(MCS0)_2TX	6.70
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.11

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	0.81	1.71	4.25	17.00
5200MHz	Pass	6.00	5.80	5.92	8.80	17.00
5240MHz	Pass	6.00	6.26	6.24	9.20	17.00
5745MHz	Pass	6.00	6.02	5.69	8.84	30.00
5785MHz	Pass	6.00	6.65	6.26	9.44	30.00
5825MHz	Pass	6.00	5.00	4.61	7.76	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.00	-2.59	-2.22	0.54	17.00
5230MHz	Pass	6.00	2.30	2.32	5.32	17.00
5755MHz	Pass	6.00	3.06	2.02	5.50	30.00
5795MHz	Pass	6.00	4.14	3.19	6.70	30.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.00	-6.38	-5.93	-3.25	17.00
5775MHz	Pass	6.00	-2.61	-3.35	-0.11	30.00

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

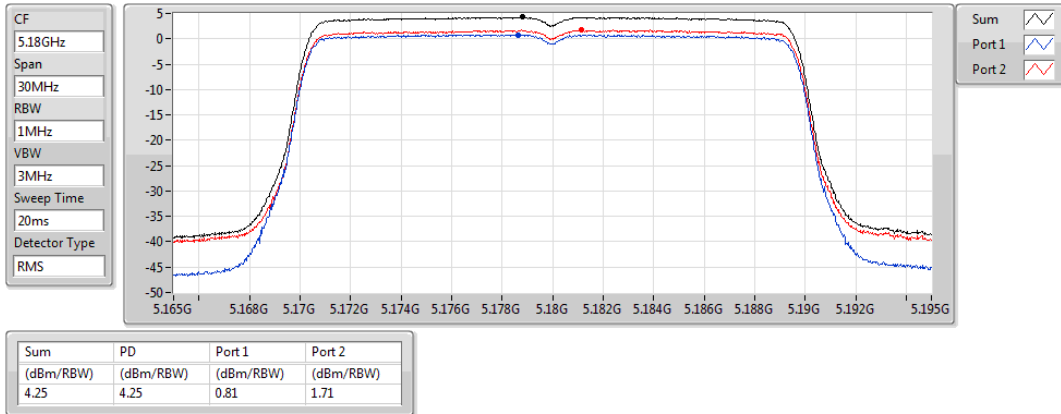
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

24/01/2019

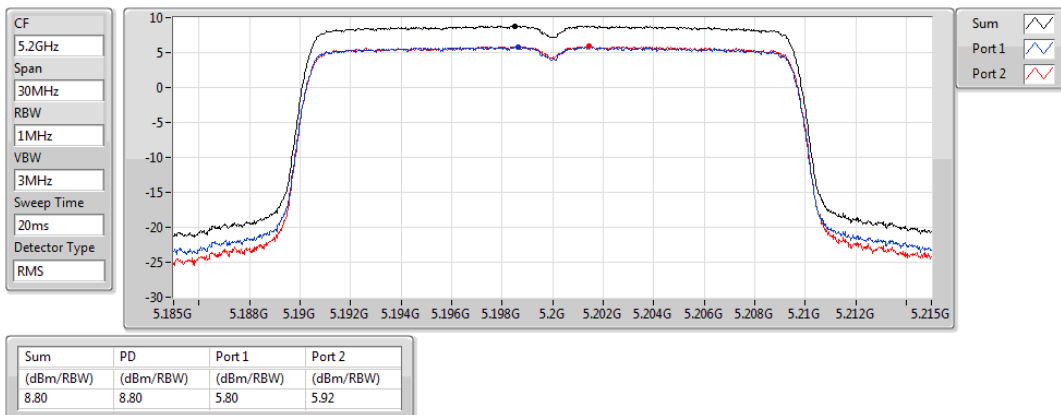


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

24/01/2019

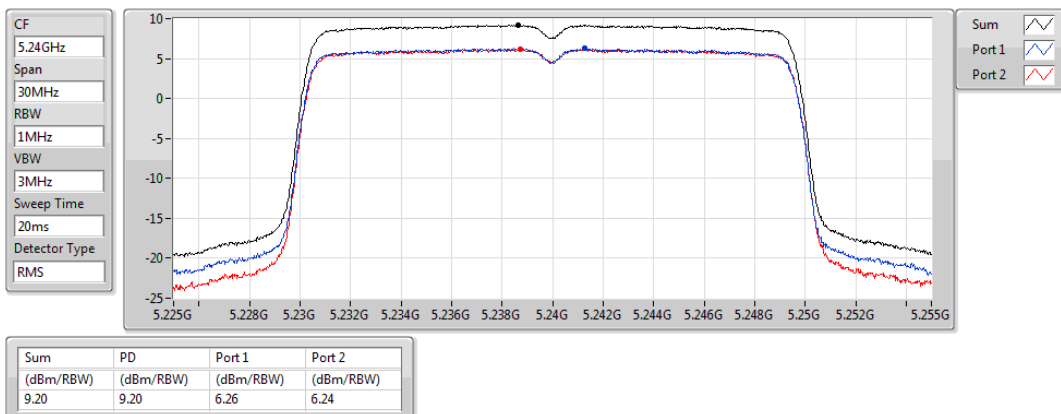


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

24/01/2019

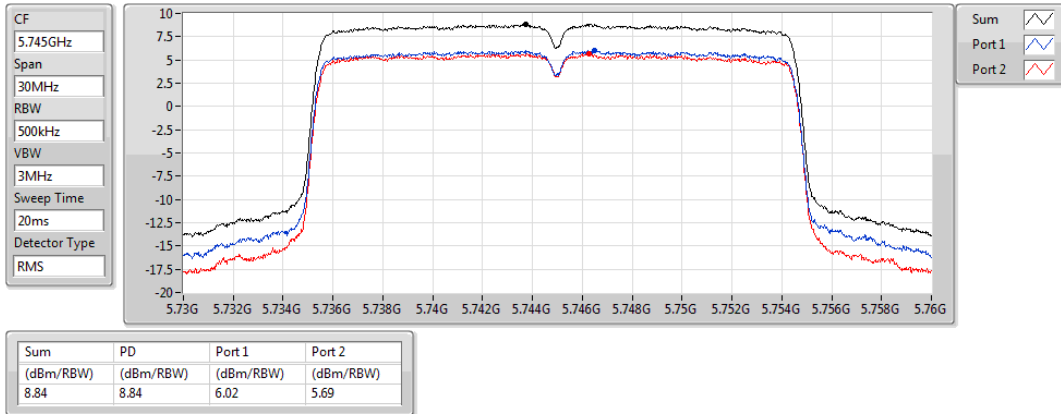


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

24/01/2019

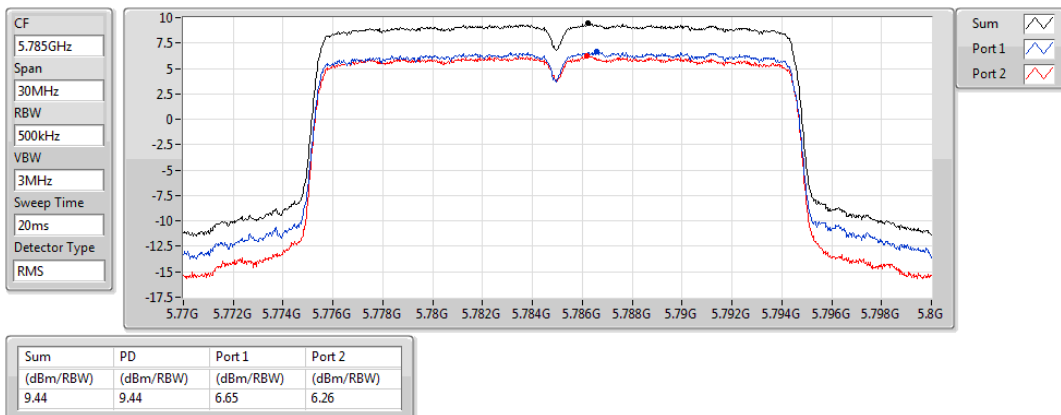


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

24/01/2019

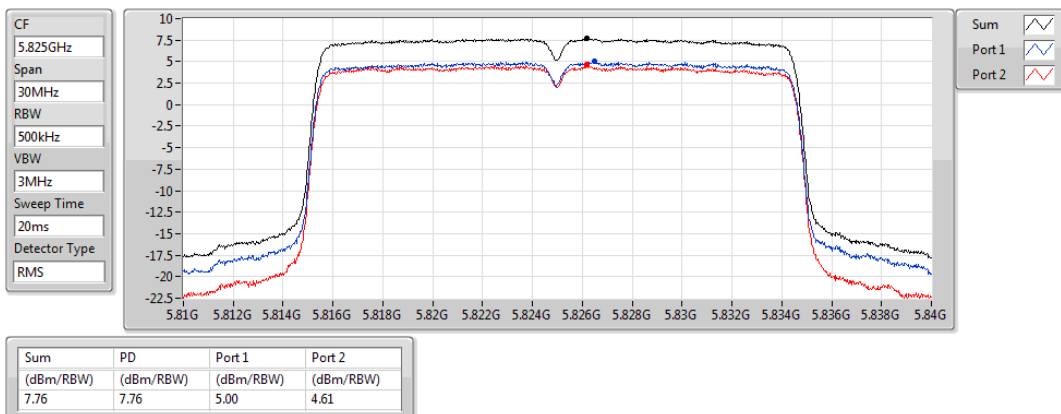


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

24/01/2019

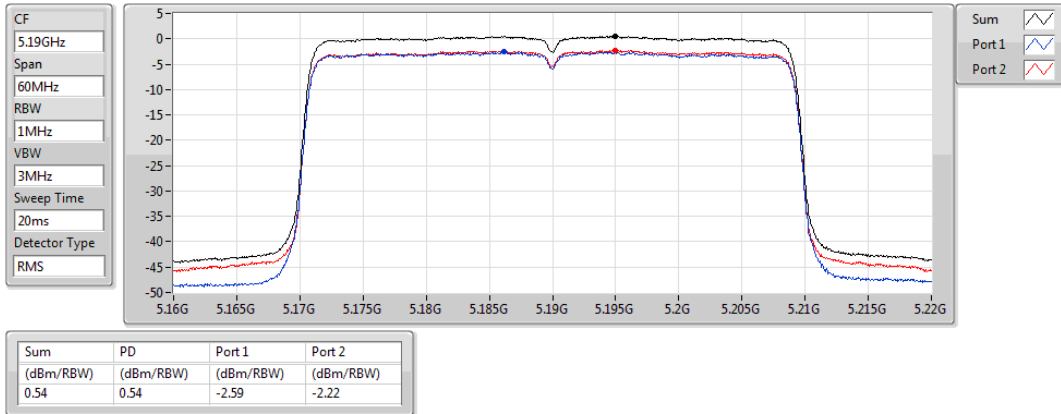


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

24/01/2019

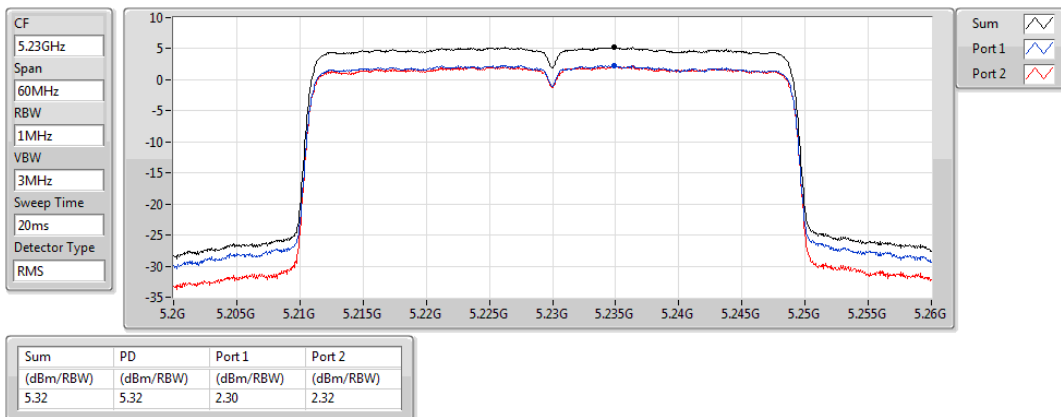


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

24/01/2019

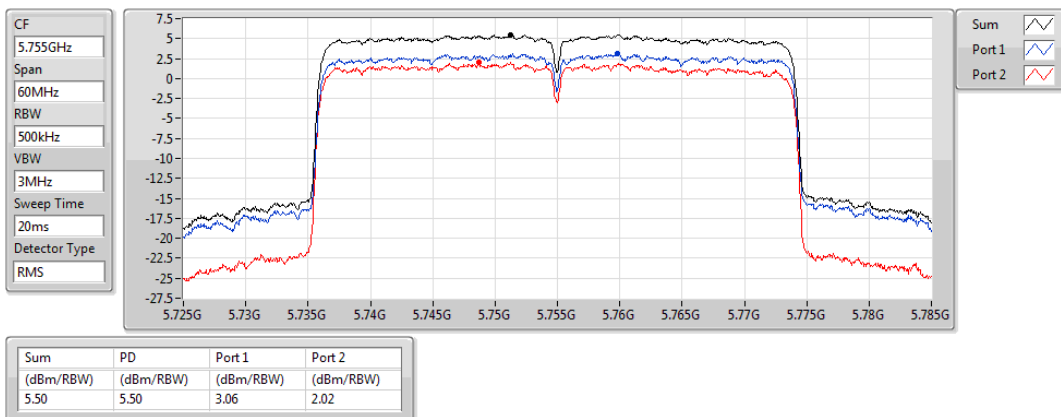


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

24/01/2019

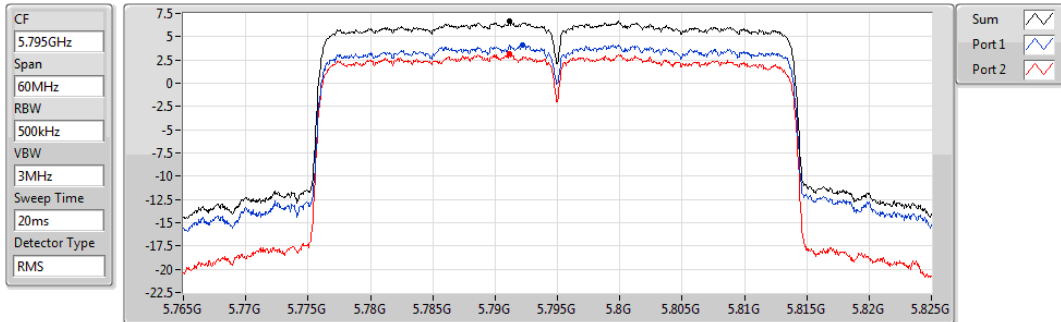


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

24/01/2019



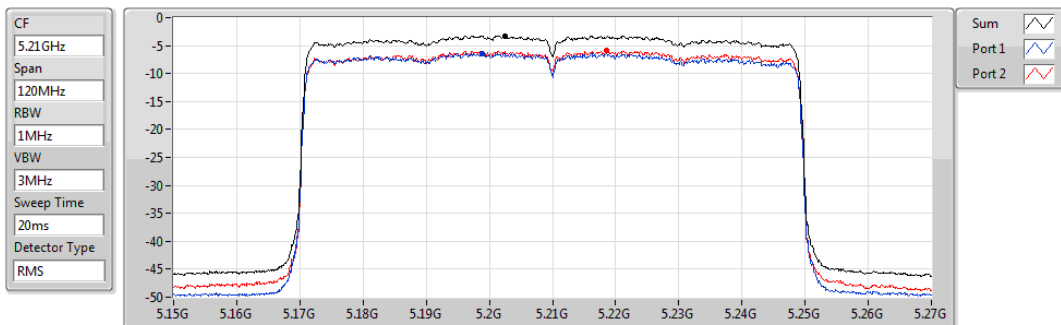
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.70	6.70	4.14	3.19

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

24/01/2019



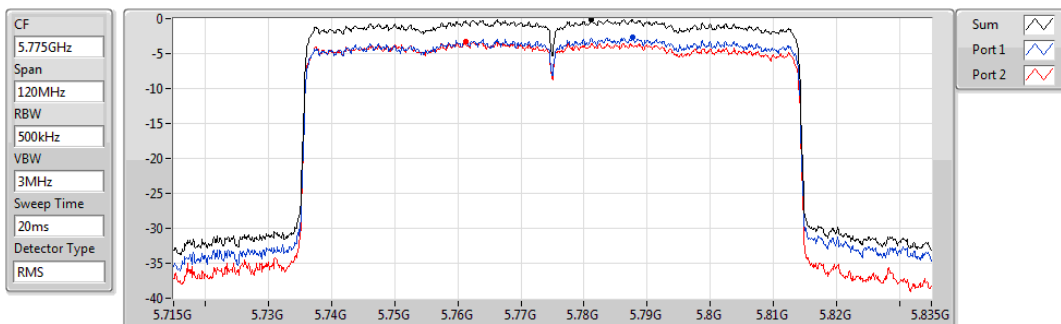
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.25	-3.25	-6.38	-5.93

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

24/01/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.11	-0.11	-2.61	-3.35

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.86
802.11ax HEW20_Nss1,(MCS0)_4TX	10.76
802.11ax HEW40_Nss1,(MCS0)_4TX	6.17
802.11ax HEW80_Nss1,(MCS0)_4TX	-2.78
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.27
802.11ax HEW20_Nss1,(MCS0)_4TX	12.00
802.11ax HEW40_Nss1,(MCS0)_4TX	8.36
802.11ax HEW80_Nss1,(MCS0)_4TX	0.67

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	-0.22	0.50	0.38	0.62	6.22	10.98
5200MHz	Pass	12.02	4.59	5.22	5.10	4.88	10.86	10.98
5240MHz	Pass	12.02	4.67	4.93	4.87	5.02	10.80	10.98
5745MHz	Pass	12.02	5.49	5.24	5.61	5.60	11.33	23.98
5785MHz	Pass	12.02	6.42	5.90	6.52	6.69	12.27	23.98
5825MHz	Pass	12.02	5.95	5.68	5.54	5.68	11.53	23.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	-0.47	-0.01	-0.27	-0.13	5.70	10.98
5200MHz	Pass	12.02	4.05	4.46	4.32	4.45	10.27	10.98
5240MHz	Pass	12.02	4.47	4.99	4.87	4.85	10.76	10.98
5745MHz	Pass	12.02	5.91	5.60	6.15	5.95	11.82	23.98
5785MHz	Pass	12.02	6.04	5.68	6.31	6.38	12.00	23.98
5825MHz	Pass	12.02	4.77	4.01	4.33	4.71	10.40	23.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-6.25	-5.28	-5.31	-6.36	0.21	10.98
5230MHz	Pass	12.02	0.11	0.36	0.41	-0.07	6.17	10.98
5755MHz	Pass	12.02	1.51	0.37	1.17	1.12	7.07	23.98
5795MHz	Pass	12.02	2.75	1.85	2.32	2.72	8.36	23.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-9.23	-8.34	-8.28	-8.87	-2.78	10.98
5775MHz	Pass	12.02	-4.59	-5.65	-5.27	-5.22	0.67	23.98

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

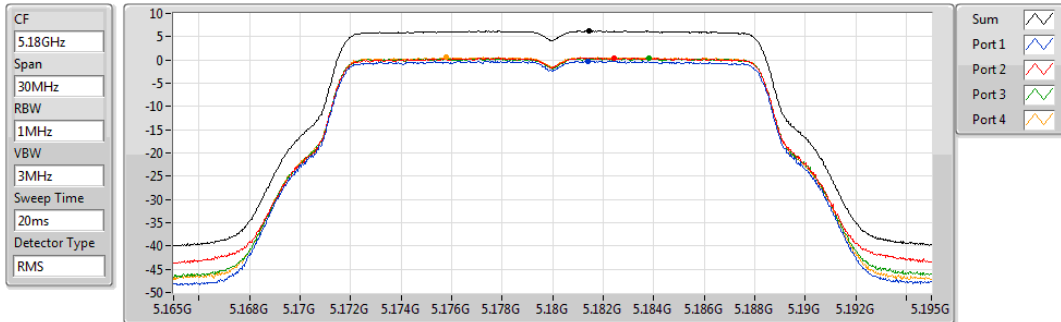
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

24/01/2019



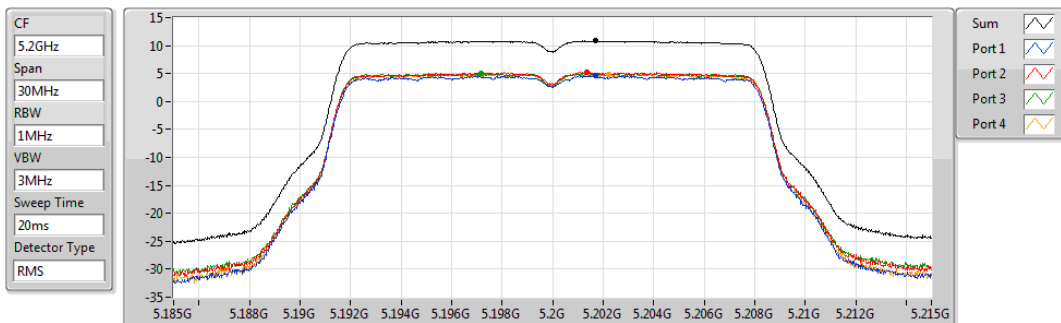
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.22	6.22	-0.22	0.50	0.38	0.62

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

24/01/2019



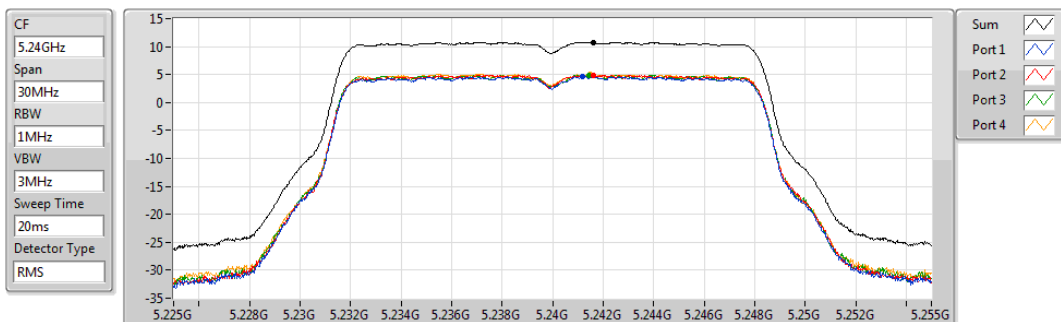
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	4.59	5.22	5.10	4.88

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

24/01/2019



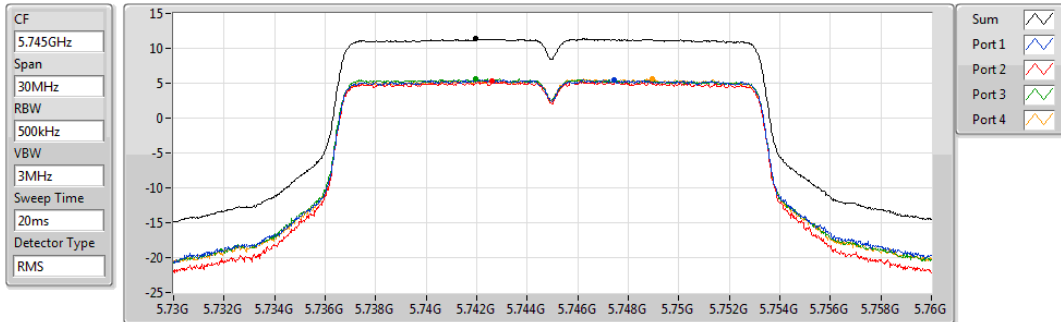
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.67	4.93	4.87	5.02

802.11a_Nss1,(6Mbps)_4TX

5745MHz

PSD

24/01/2019



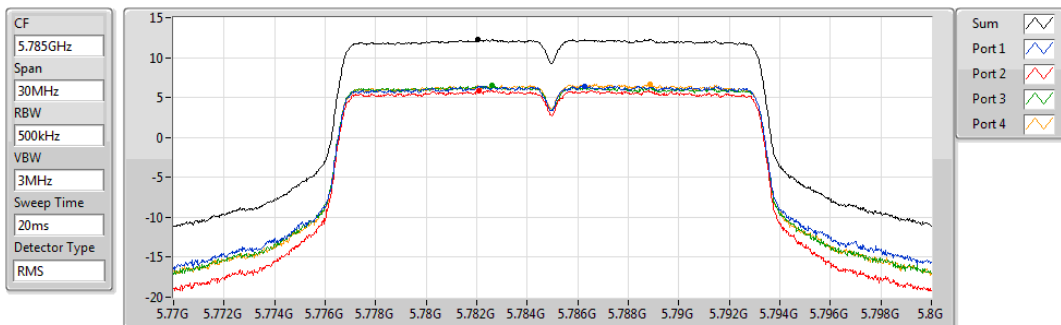
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.33	11.33	5.49	5.24	5.61	5.60

802.11a_Nss1,(6Mbps)_4TX

5785MHz

PSD

24/01/2019



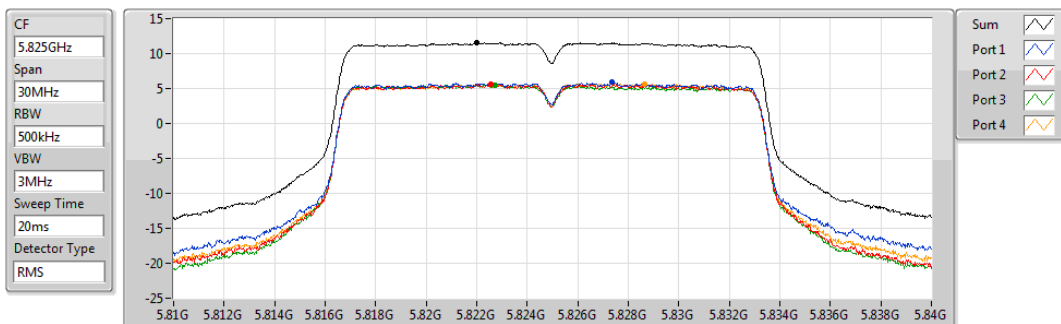
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.27	12.27	6.42	5.90	6.52	6.69

802.11a_Nss1,(6Mbps)_4TX

5825MHz

PSD

24/01/2019



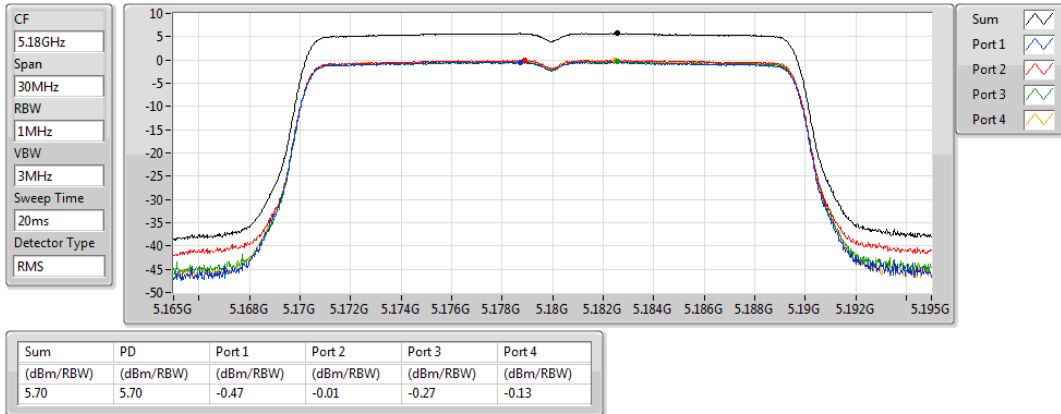
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.53	11.53	5.95	5.68	5.54	5.68

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

24/01/2019

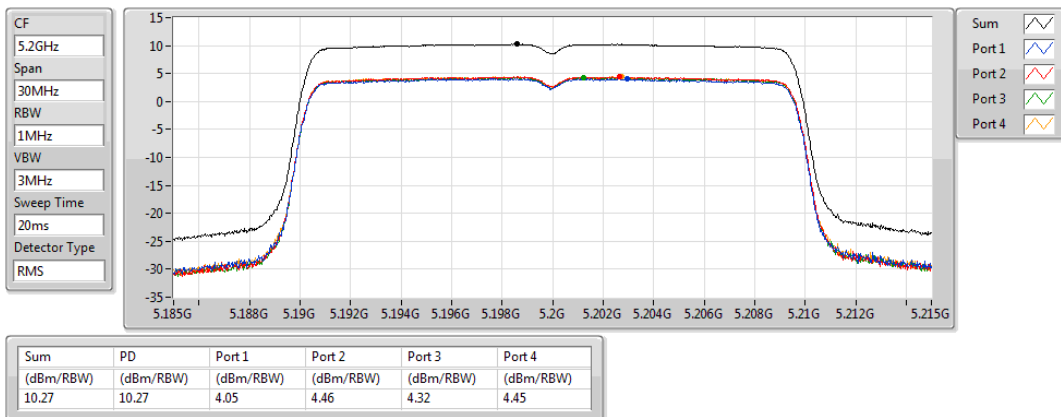


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

24/01/2019

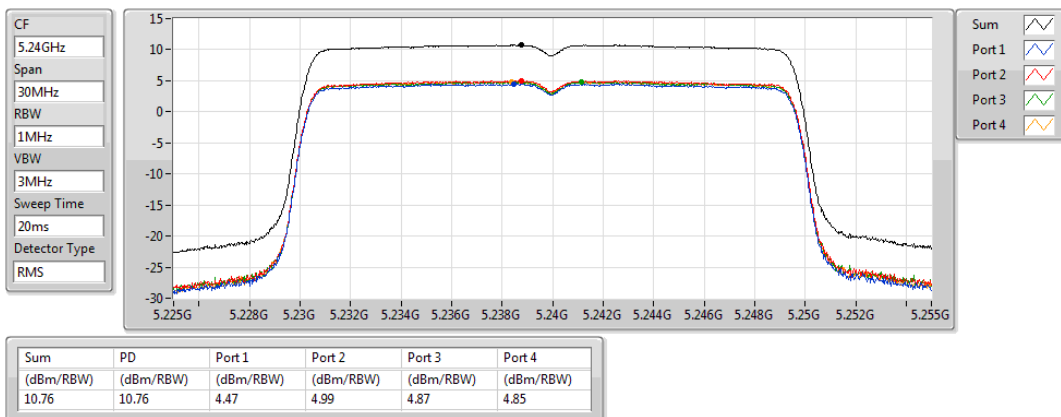


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

24/01/2019

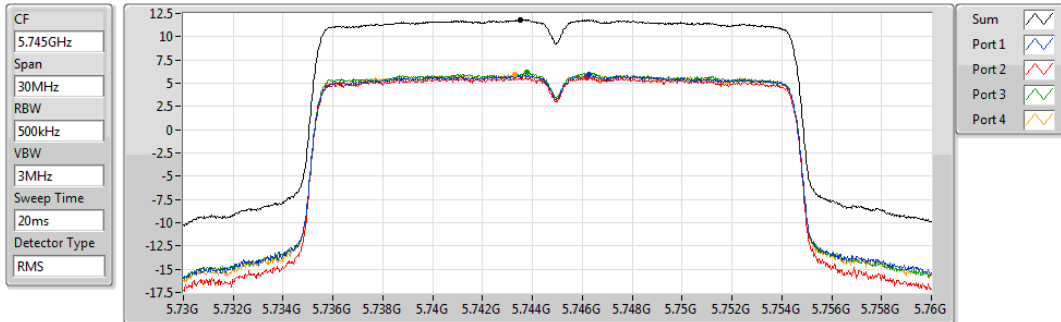


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

24/01/2019



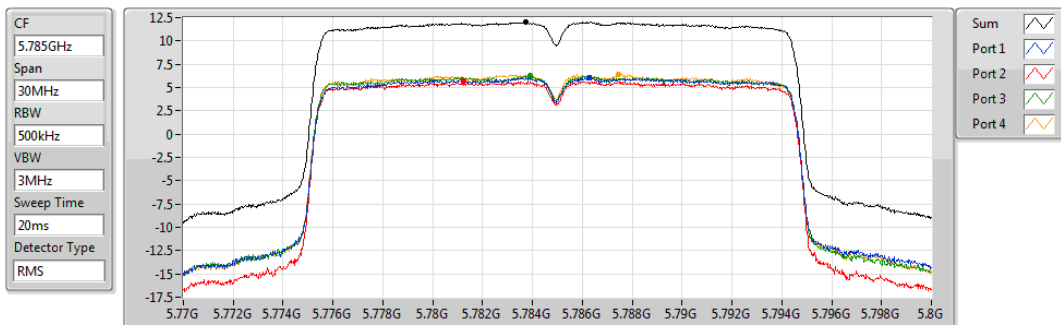
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.82	11.82	5.91	5.60	6.15	5.95

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

24/01/2019



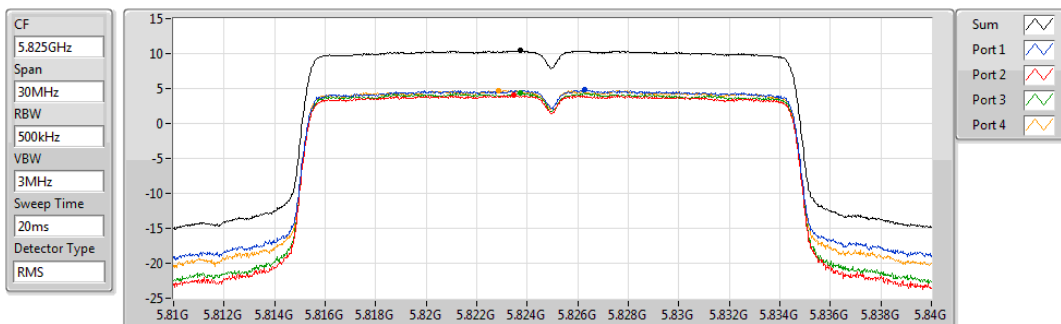
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.00	12.00	6.04	5.68	6.31	6.38

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

24/01/2019



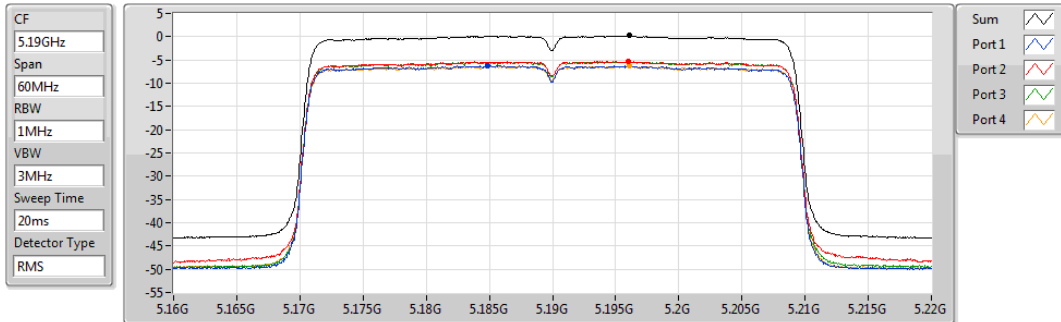
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.40	10.40	4.77	4.01	4.33	4.71

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

24/01/2019



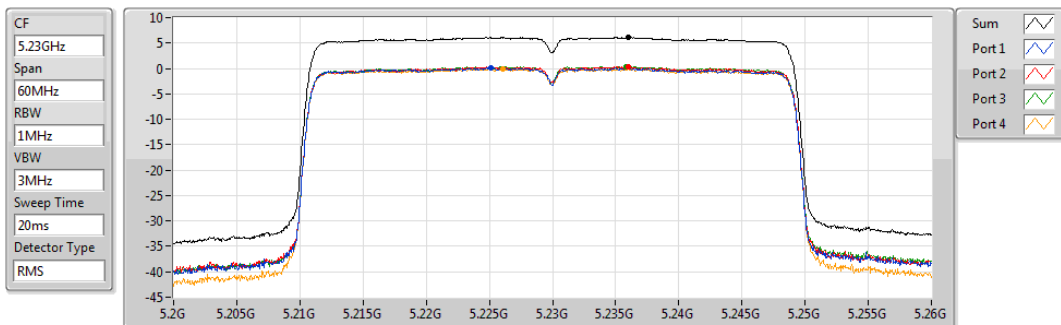
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.21	0.21	-6.25	-5.28	-5.31	-6.36

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

24/01/2019



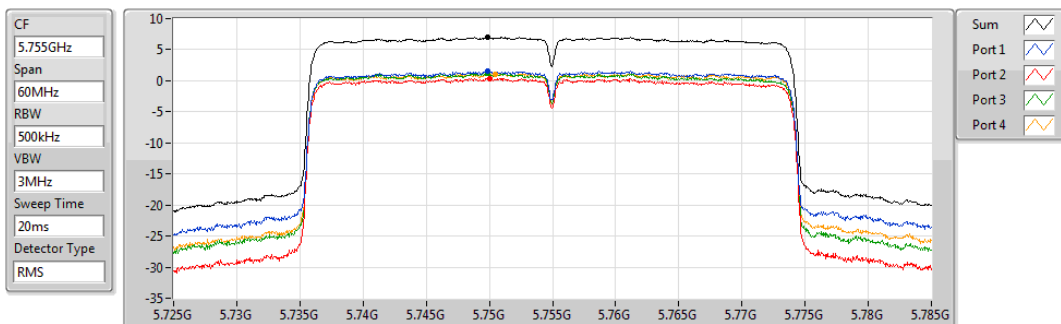
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	0.11	0.36	0.41	-0.07

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

24/01/2019



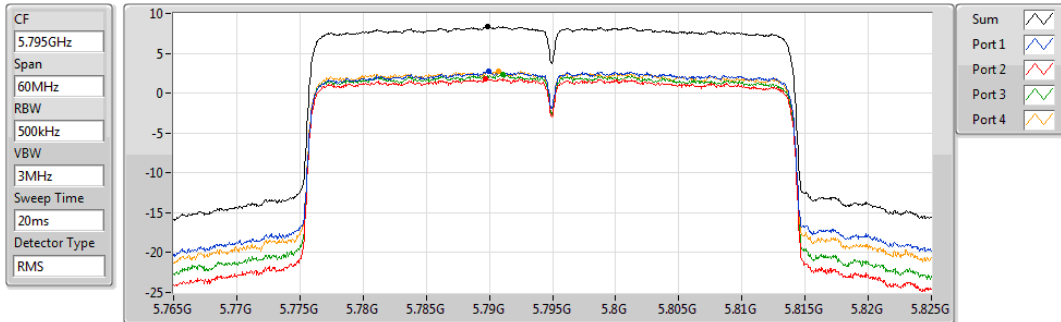
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	1.51	0.37	1.17	1.12

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

24/01/2019



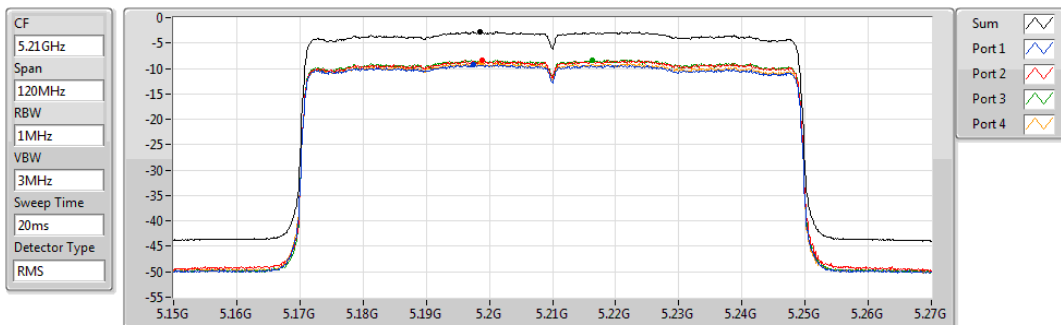
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.36	8.36	2.75	1.85	2.32	2.72

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

24/01/2019



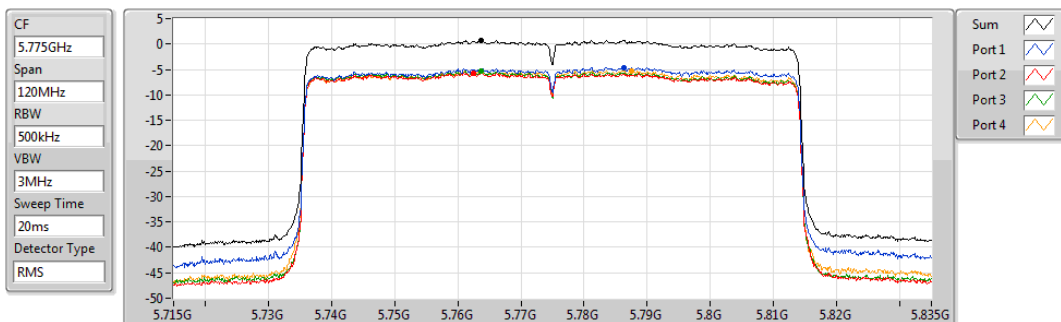
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.78	-2.78	-9.23	-8.34	-8.28	-8.87

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

24/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.67	0.67	-4.59	-5.65	-5.27	-5.22

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.92
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.93
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.50
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.73
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.03
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.91

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	1.08	1.85	1.91	2.71	7.88	10.98
5200MHz	Pass	12.02	4.22	4.68	5.14	5.73	10.92	10.98
5240MHz	Pass	12.02	4.59	4.68	5.12	5.42	10.91	10.98
5745MHz	Pass	12.02	3.77	3.90	3.72	3.40	9.66	23.98
5785MHz	Pass	12.02	4.00	3.77	3.90	3.62	9.73	23.98
5825MHz	Pass	12.02	3.95	3.67	3.90	3.34	9.60	23.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.10	-1.97	-2.27	-2.68	3.45	10.98
5230MHz	Pass	12.02	1.82	2.05	2.05	2.07	7.93	10.98
5755MHz	Pass	12.02	1.48	1.36	0.76	0.57	6.95	23.98
5795MHz	Pass	12.02	1.49	1.28	1.05	0.67	7.03	23.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-6.24	-5.10	-5.00	-5.45	0.50	10.98
5775MHz	Pass	12.02	-3.84	-3.67	-4.21	-4.27	1.91	23.98

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

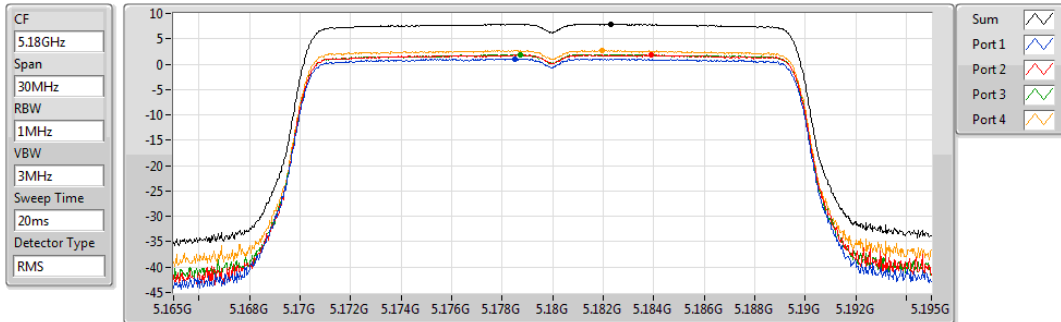
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

26/01/2019



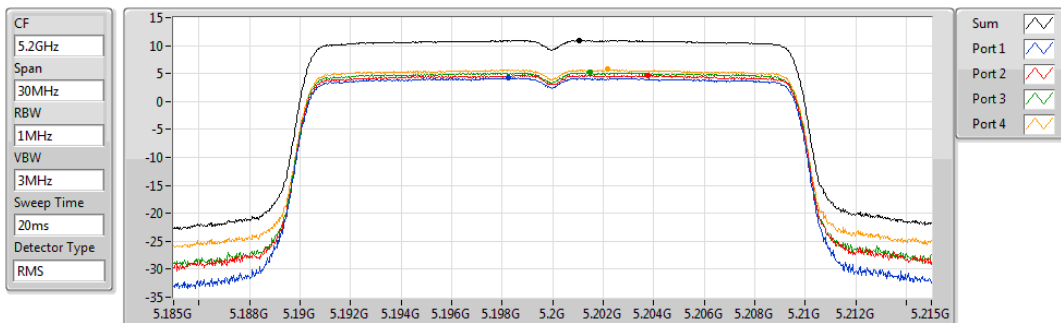
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.88	7.88	1.08	1.85	1.91	2.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

26/01/2019



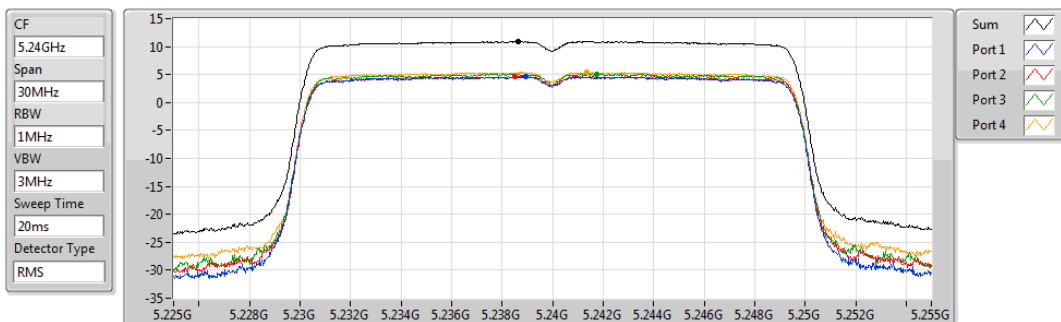
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.92	10.92	4.22	4.68	5.14	5.73

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

26/01/2019



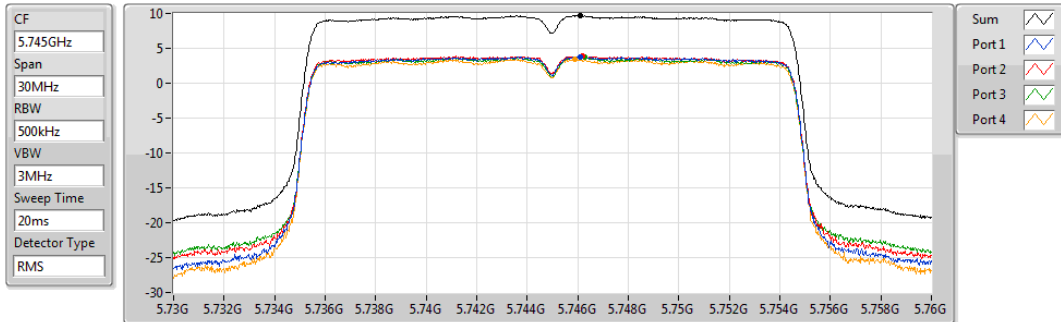
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.91	10.91	4.59	4.68	5.12	5.42

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

26/01/2019



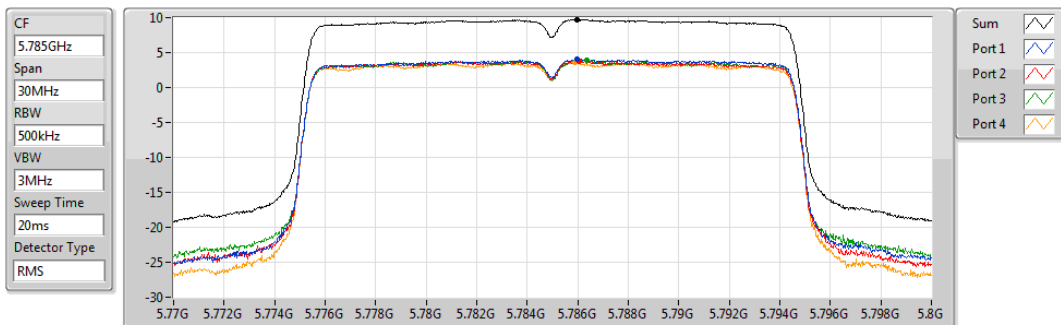
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.66	9.66	3.77	3.90	3.72	3.40

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

26/01/2019



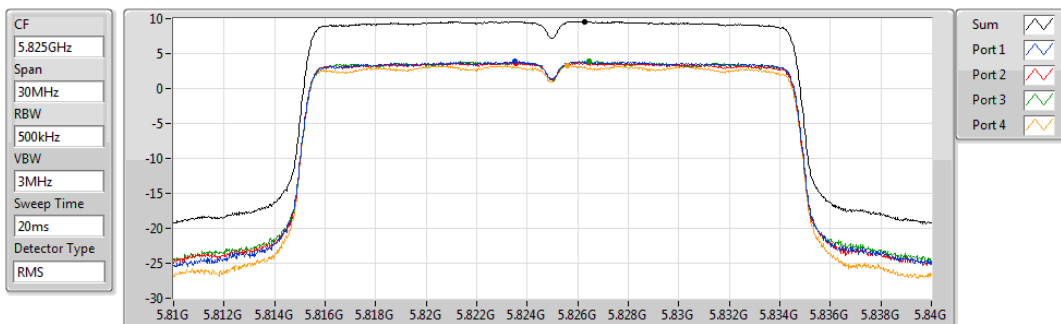
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.73	9.73	4.00	3.77	3.90	3.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

26/01/2019



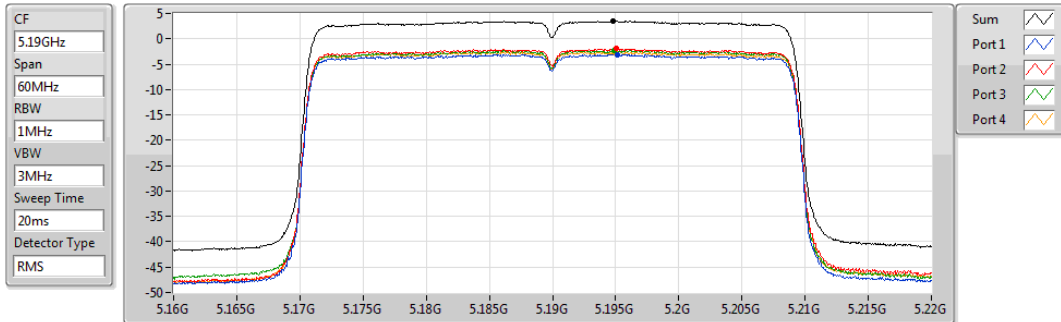
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	3.95	3.67	3.90	3.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

26/01/2019



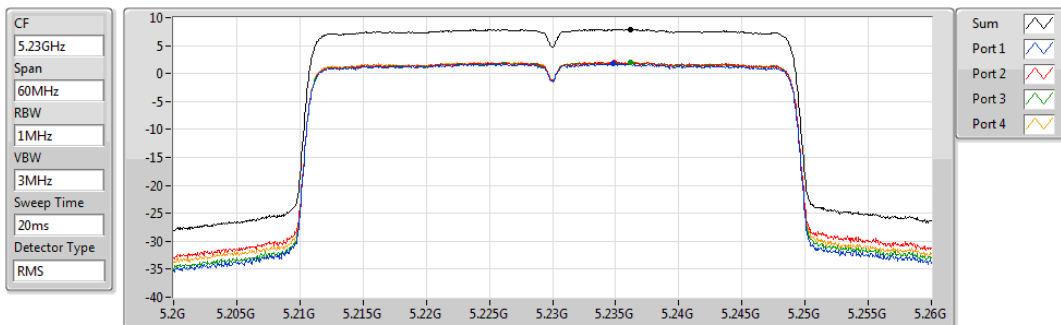
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	-3.10	-1.97	-2.27	-2.68

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

26/01/2019



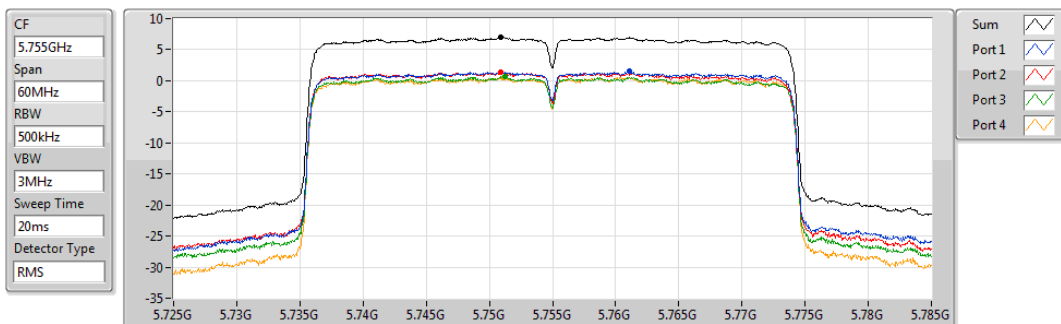
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.93	7.93	1.82	2.05	2.05	2.07

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

26/01/2019



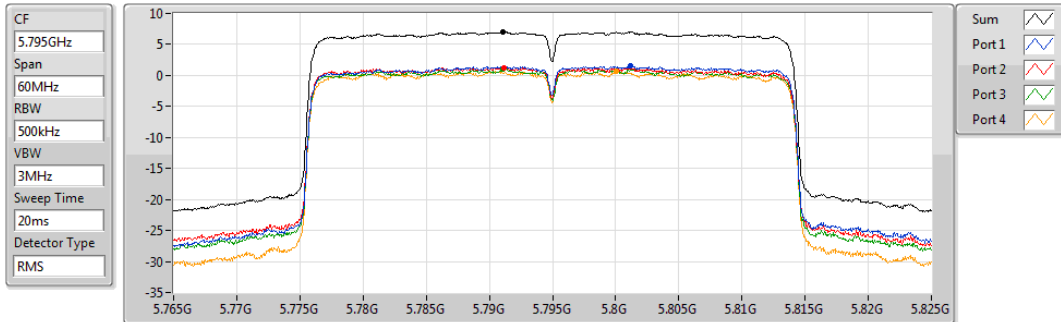
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.95	6.95	1.48	1.36	0.76	0.57

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

26/01/2019



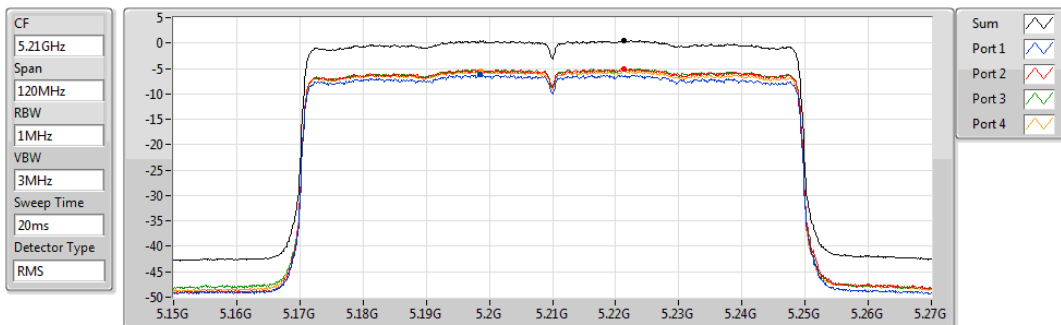
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	1.49	1.28	1.05	0.67

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

26/01/2019



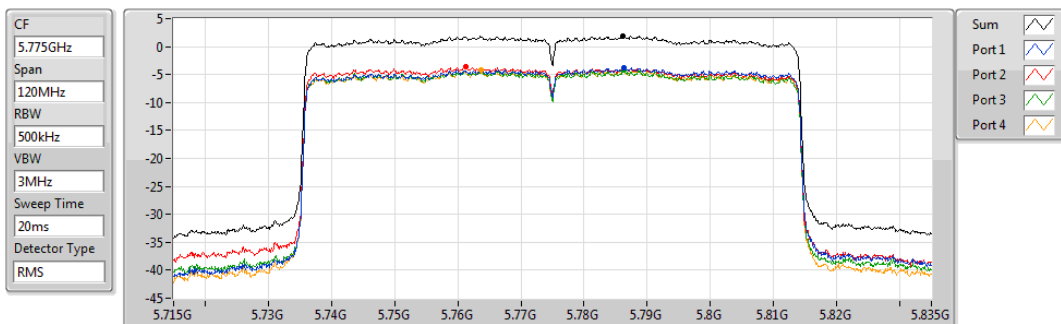
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	-6.24	-5.10	-5.00	-5.45

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

26/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.91	1.91	-3.84	-3.67	-4.21	-4.27

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.86
802.11ax HEW40_Nss4,(MCS0)_4TX	6.37
802.11ax HEW80_Nss4,(MCS0)_4TX	-2.29
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.29
802.11ax HEW40_Nss4,(MCS0)_4TX	8.63
802.11ax HEW80_Nss4,(MCS0)_4TX	1.90

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	-0.00	0.43	0.45	0.75	6.31	17.00
5200MHz	Pass	6.00	4.26	4.37	4.65	4.66	10.33	17.00
5240MHz	Pass	6.00	5.91	5.79	5.98	6.07	11.86	17.00
5745MHz	Pass	6.00	6.09	5.99	6.01	6.31	11.97	30.00
5785MHz	Pass	6.00	6.51	6.14	6.48	6.77	12.29	30.00
5825MHz	Pass	6.00	4.84	4.33	4.72	4.88	10.61	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.00	-6.14	-5.16	-5.38	-5.76	0.29	17.00
5230MHz	Pass	6.00	0.42	0.41	0.85	0.39	6.37	17.00
5755MHz	Pass	6.00	2.28	1.00	1.57	1.52	7.46	30.00
5795MHz	Pass	6.00	3.26	2.11	2.73	2.97	8.63	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.00	-8.63	-7.85	-7.47	-8.67	-2.29	17.00
5775MHz	Pass	6.00	-3.53	-4.16	-4.01	-4.23	1.90	30.00

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

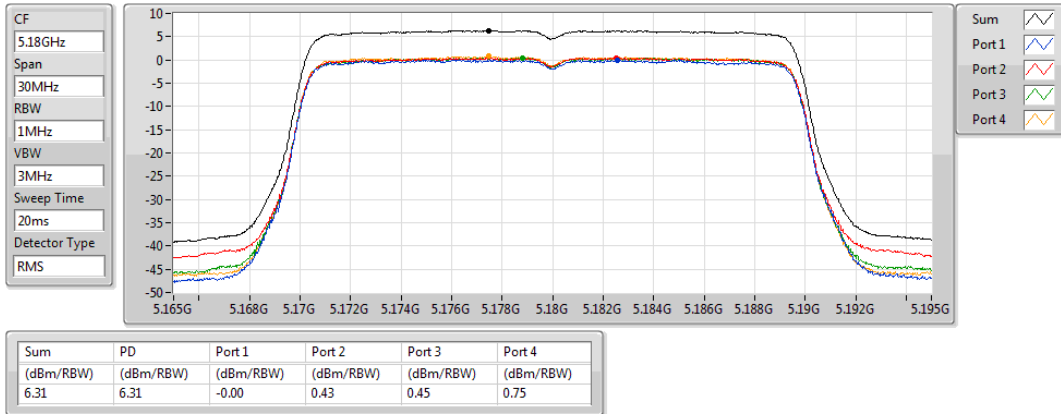
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

24/01/2019

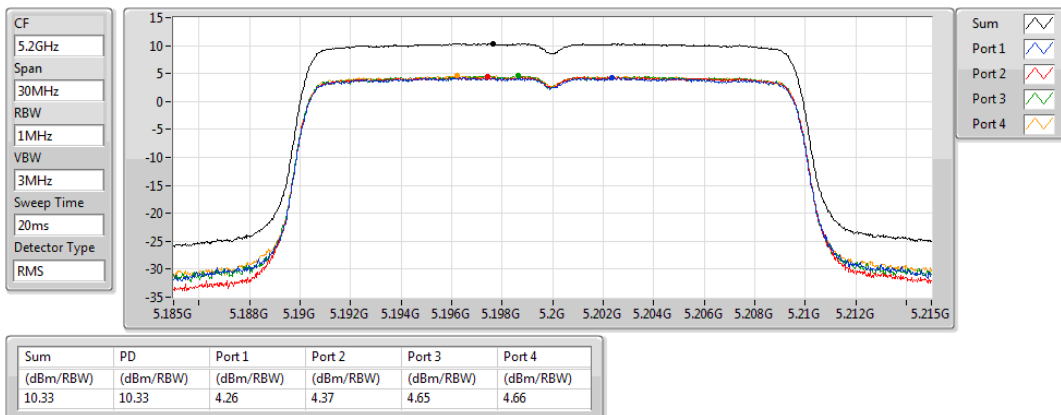


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

24/01/2019

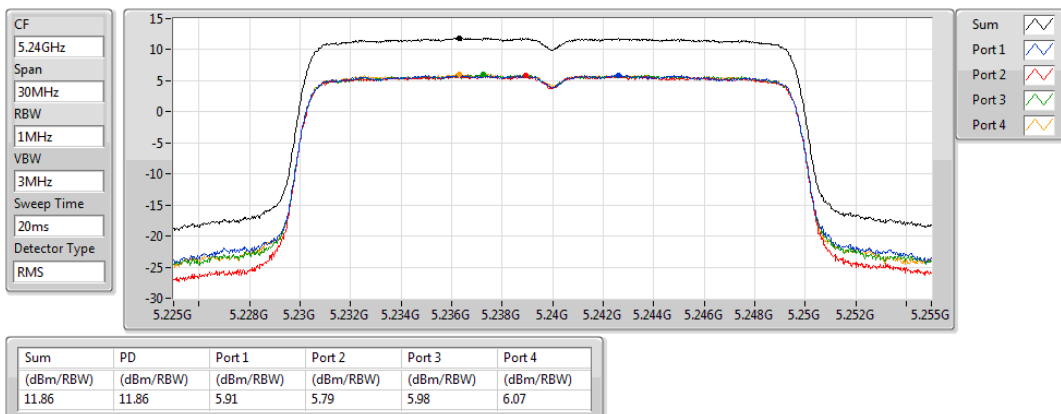


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

24/01/2019

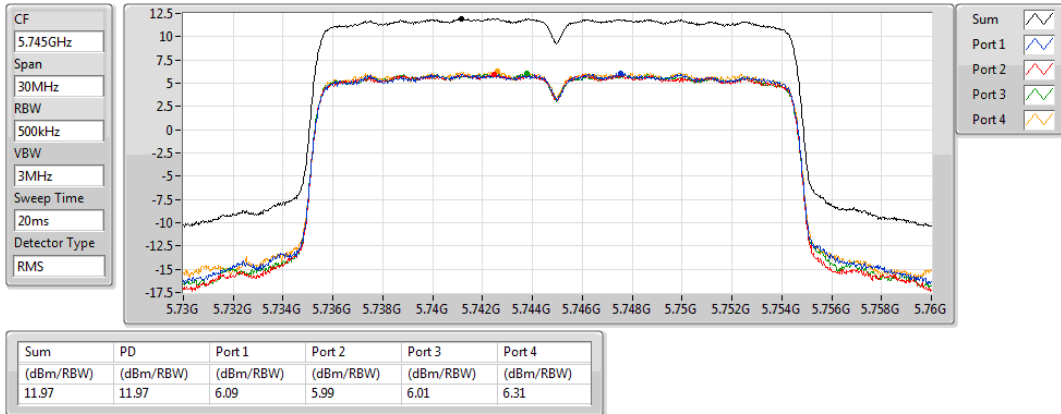


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

24/01/2019

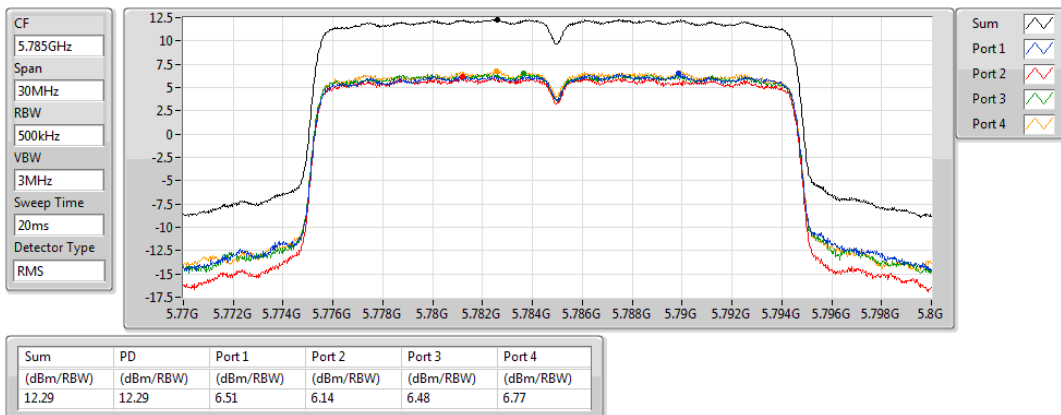


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

24/01/2019

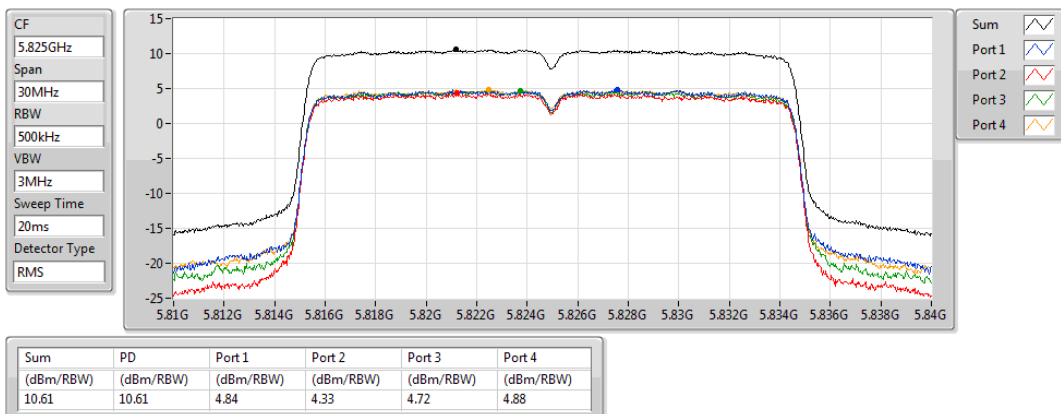


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

24/01/2019

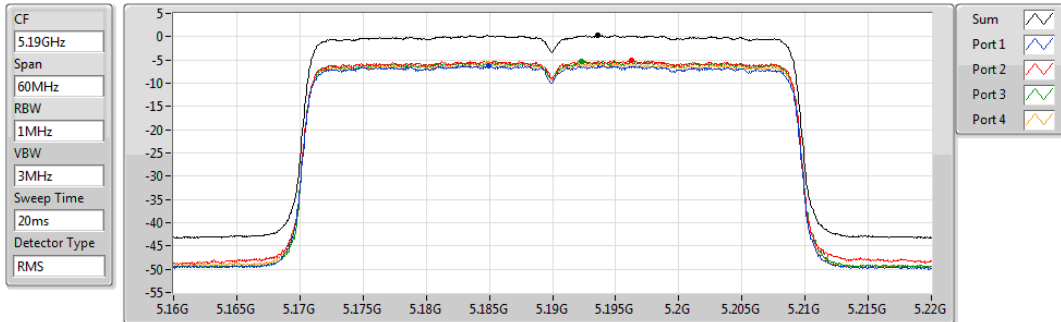


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

24/01/2019



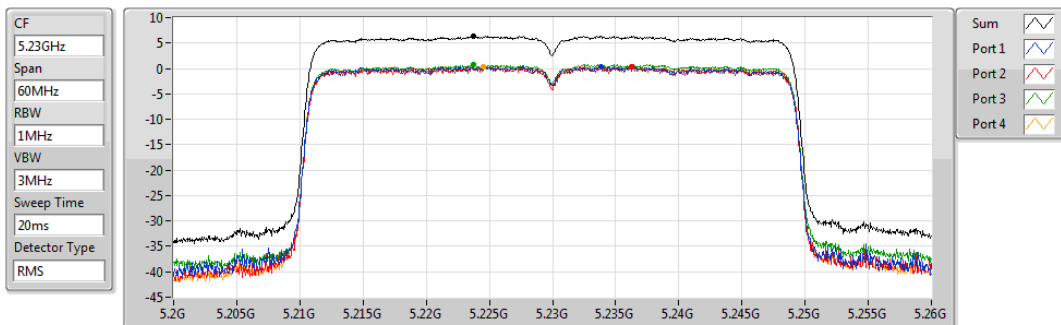
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
0.29	0.29	-6.14	-5.16	-5.38	-5.76

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

24/01/2019



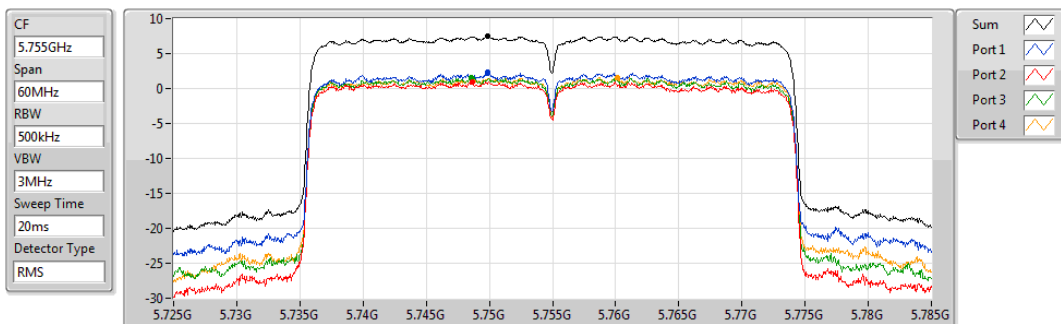
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
6.37	6.37	0.42	0.41	0.85	0.39

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

24/01/2019



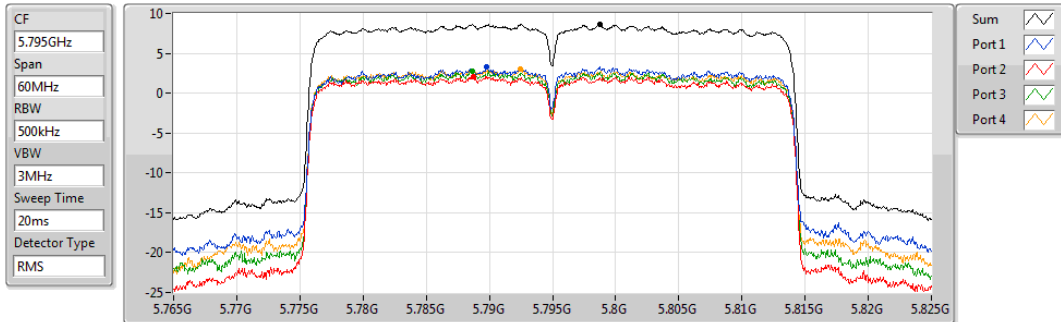
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)	(dBm/RTW)
7.46	7.46	2.28	1.00	1.57	1.52

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

24/01/2019



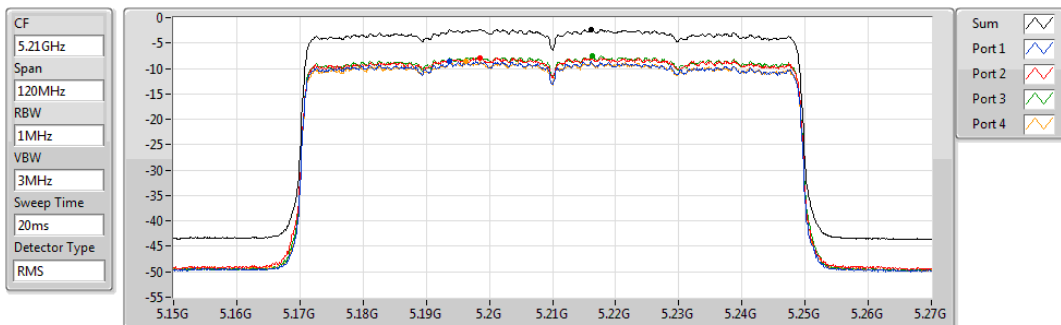
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.63	8.63	3.26	2.11	2.73	2.97

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

24/01/2019



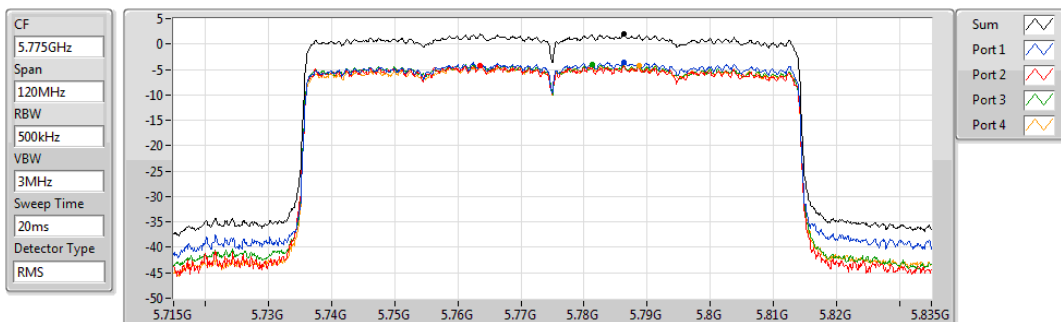
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.29	-2.29	-8.63	-7.85	-7.47	-8.67

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

24/01/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	-3.53	-4.16	-4.01	-4.23

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	6.21
802.11ax HEW20_Nss1,(MCS0)_1TX	7.01
802.11ax HEW40_Nss1,(MCS0)_1TX	3.04
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.70
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.03
802.11ax HEW20_Nss1,(MCS0)_1TX	5.91
802.11ax HEW40_Nss1,(MCS0)_1TX	4.18
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	8.70	4.89	4.89	14.30
5200MHz	Pass	8.70	6.21	6.21	14.30
5240MHz	Pass	8.70	5.55	5.55	14.30
5745MHz	Pass	8.70	6.86	6.86	27.30
5785MHz	Pass	8.70	8.03	8.03	27.30
5825MHz	Pass	8.70	8.03	8.03	27.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	3.18	3.18	14.30
5200MHz	Pass	8.70	7.01	7.01	14.30
5240MHz	Pass	8.70	6.13	6.13	14.30
5745MHz	Pass	8.70	4.89	4.89	27.30
5785MHz	Pass	8.70	5.91	5.91	27.30
5825MHz	Pass	8.70	5.87	5.87	27.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	8.70	-0.59	-0.59	14.30
5230MHz	Pass	8.70	3.04	3.04	14.30
5755MHz	Pass	8.70	3.84	3.84	27.30
5795MHz	Pass	8.70	4.18	4.18	27.30
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	8.70	-3.70	-3.70	14.30
5775MHz	Pass	8.70	-0.91	-0.91	27.30

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

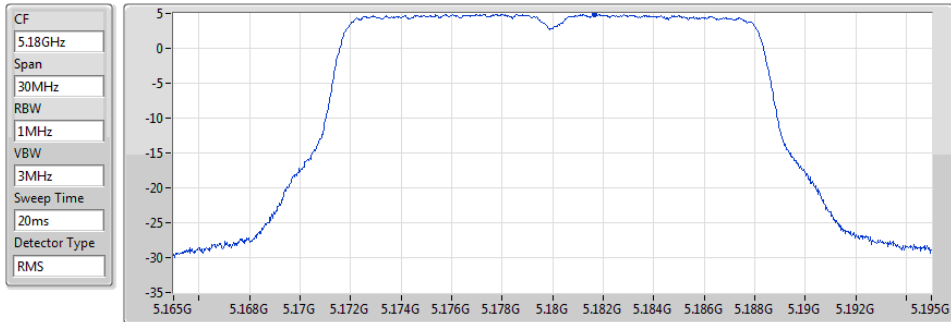
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

01/02/2019



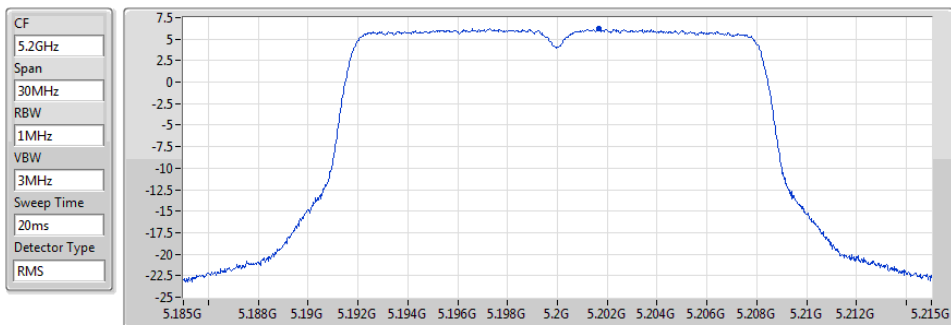
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.89	4.89	4.89

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

01/02/2019



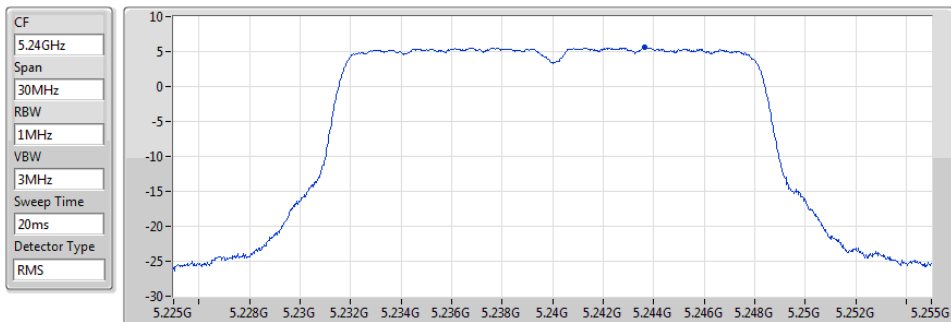
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.21	6.21	6.21

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

01/02/2019



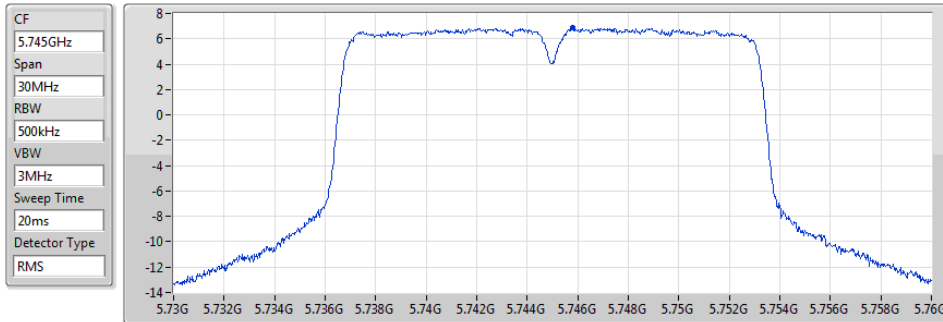
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.55	5.55	5.55

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

01/02/2019

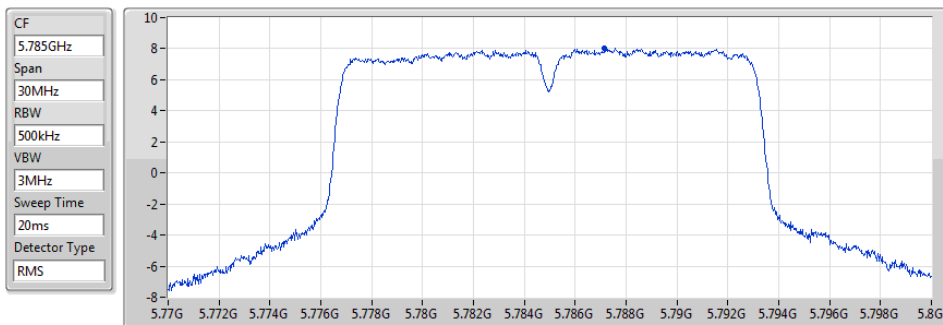


802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

01/02/2019

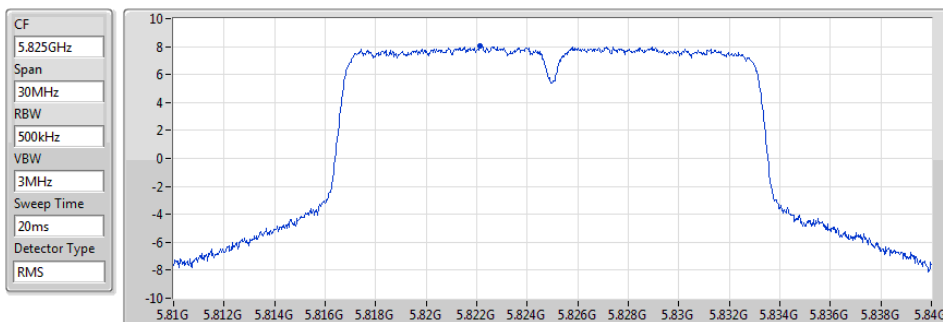


802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

01/02/2019

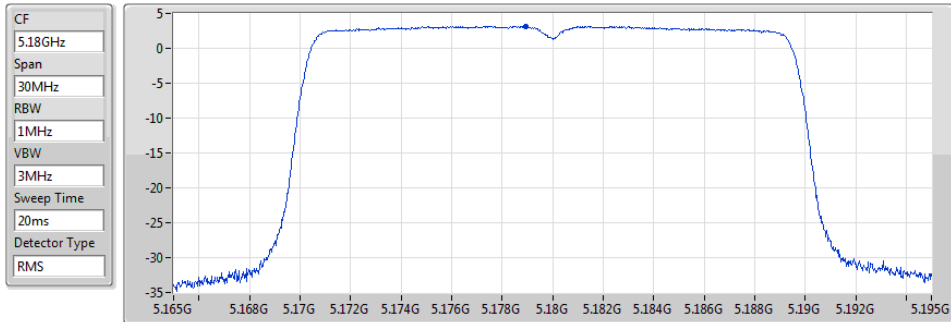


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

01/02/2019



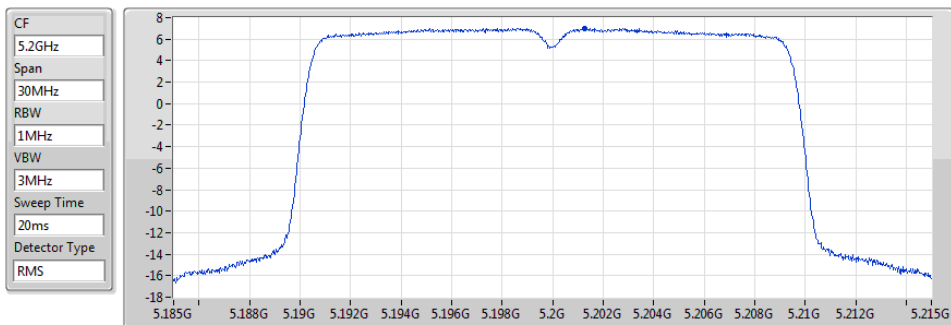
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.18	3.18	3.18

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

01/02/2019



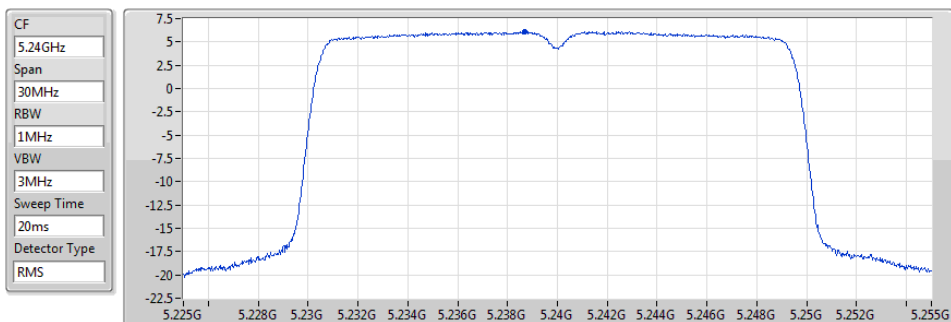
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.01	7.01	7.01

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

01/02/2019



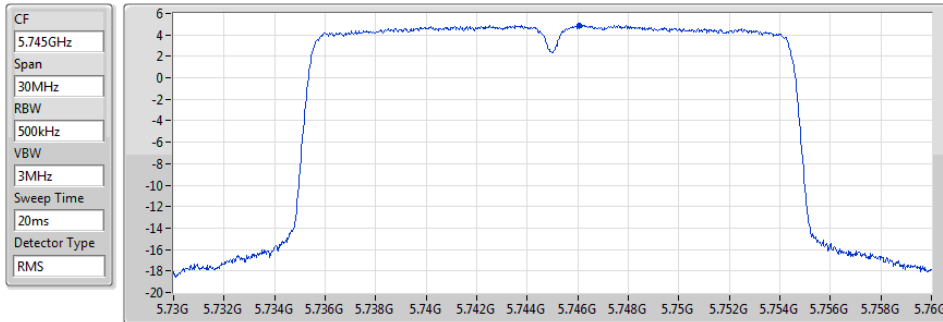
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.13	6.13	6.13

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

01/02/2019



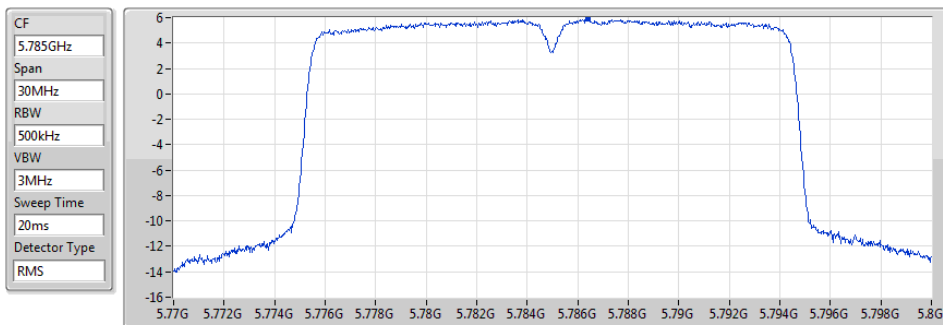
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.89	4.89	4.89

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

01/02/2019



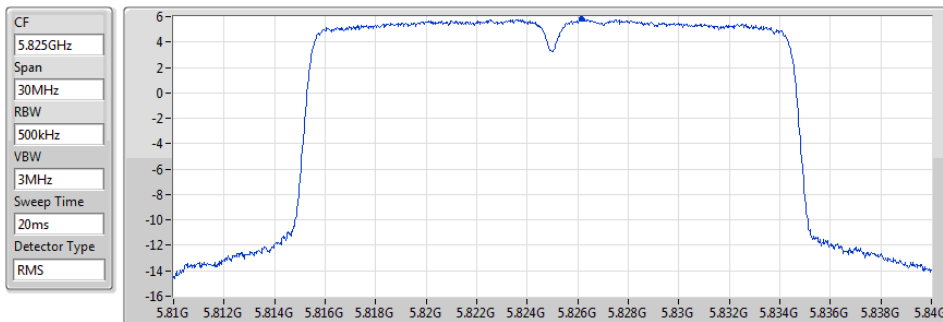
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.91	5.91	5.91

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

01/02/2019



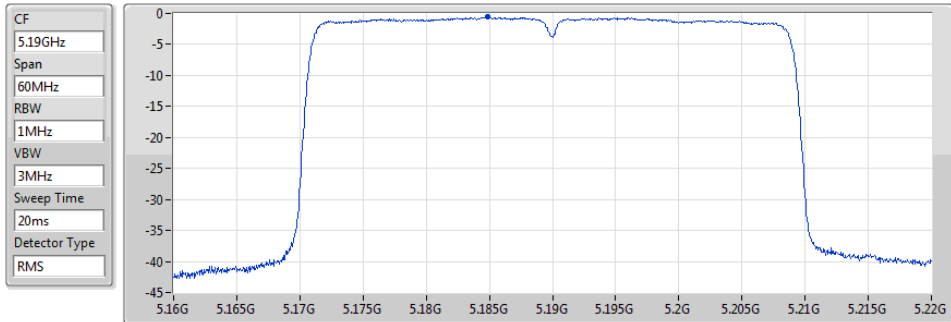
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.87	5.87	5.87

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

01/02/2019



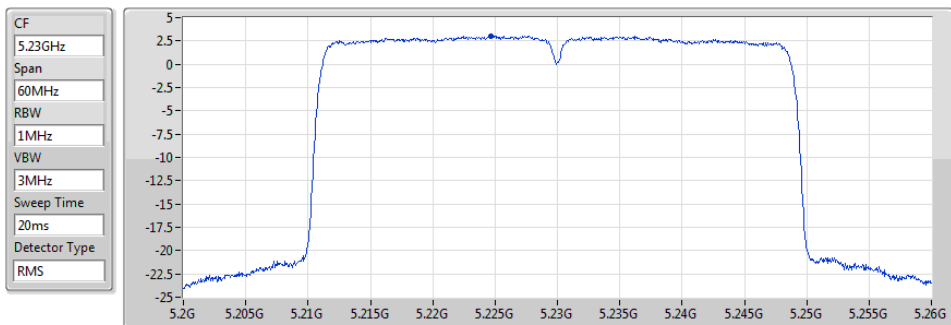
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-0.59

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

01/02/2019



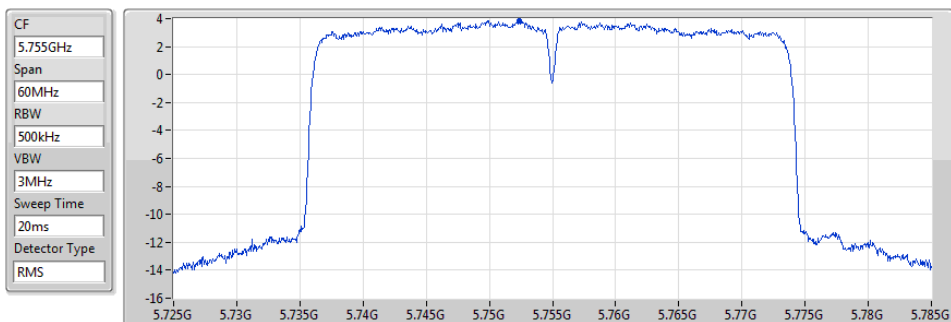
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	3.04

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

01/02/2019



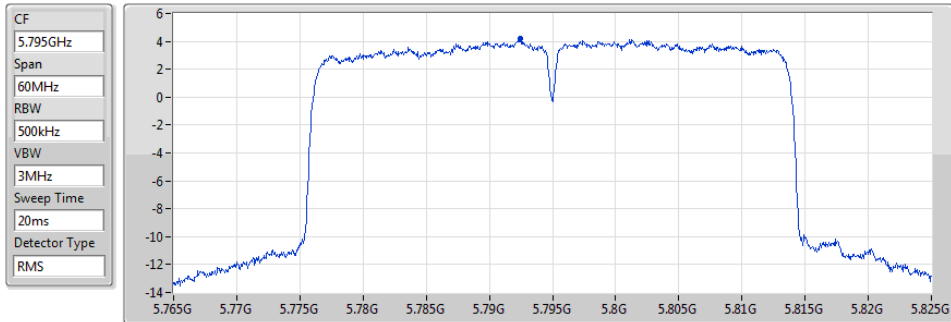
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.84	3.84	3.84

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

01/02/2019



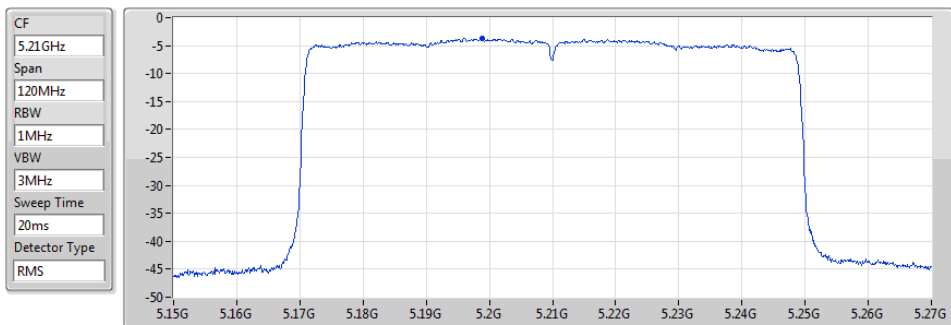
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.18	4.18	4.18

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

01/02/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.70	-3.70	-3.70

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

01/02/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-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	8.98
802.11ax HEW40_Nss2,(MCS0)_2TX	5.51
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.69
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	8.47
802.11ax HEW40_Nss2,(MCS0)_2TX	6.57
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	8.70	1.22	1.58	4.38	14.30
5200MHz	Pass	8.70	6.29	5.87	8.98	14.30
5240MHz	Pass	8.70	6.14	5.60	8.87	14.30
5745MHz	Pass	8.70	4.65	4.25	7.39	27.30
5785MHz	Pass	8.70	5.59	5.53	8.47	27.30
5825MHz	Pass	8.70	5.69	5.30	8.45	27.30
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.70	-1.90	-2.14	0.95	14.30
5230MHz	Pass	8.70	2.86	2.19	5.51	14.30
5755MHz	Pass	8.70	3.58	2.29	5.85	27.30
5795MHz	Pass	8.70	4.20	3.12	6.57	27.30
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.70	-5.63	-5.53	-2.69	14.30
5775MHz	Pass	8.70	-2.47	-3.39	0.06	27.30

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

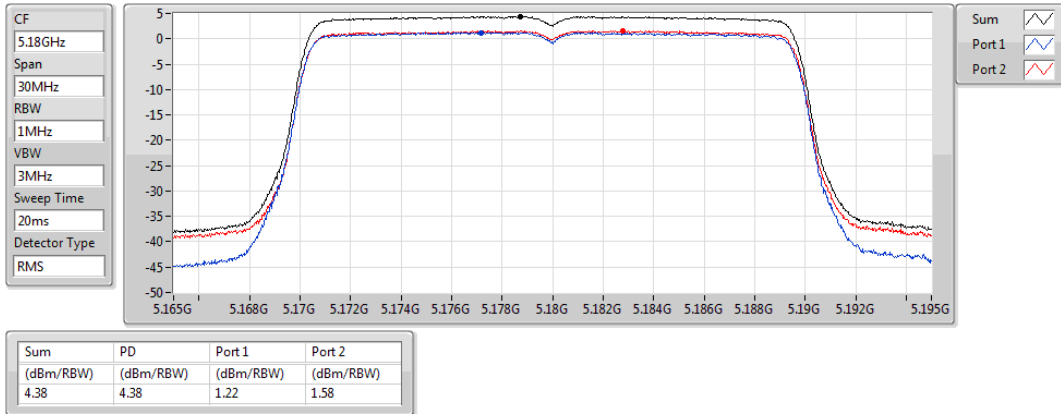
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

01/02/2019

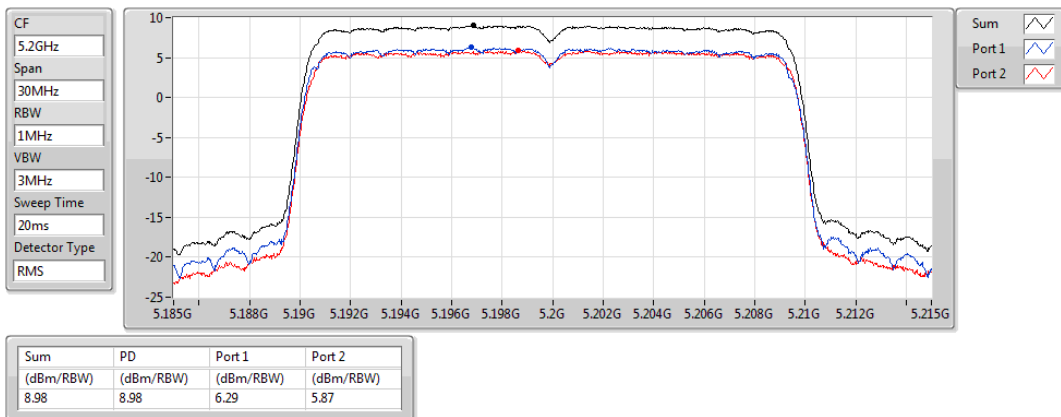


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

01/02/2019

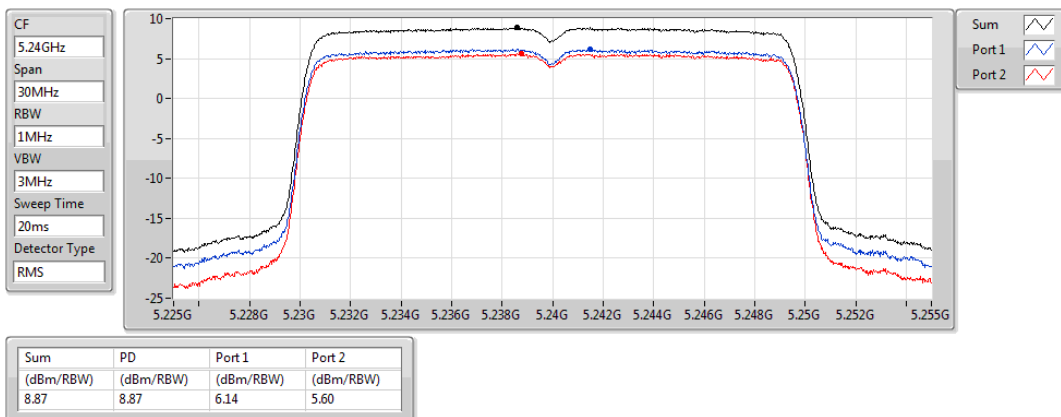


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

01/02/2019

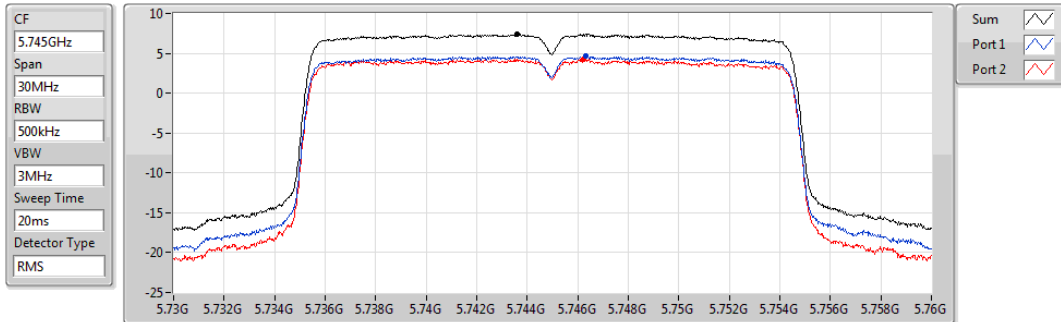


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

01/02/2019



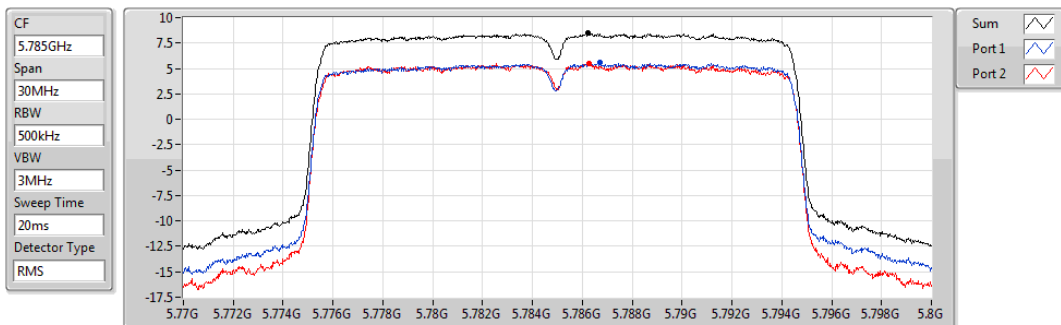
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.39	7.39	4.65	4.25

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

01/02/2019



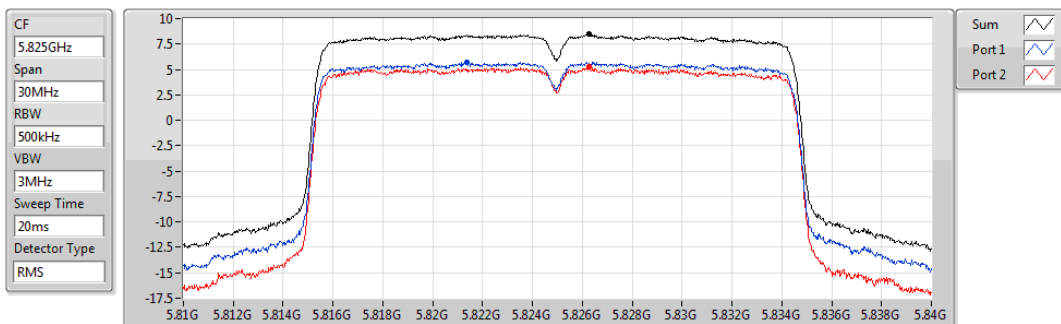
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.47	8.47	5.59	5.53

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

01/02/2019



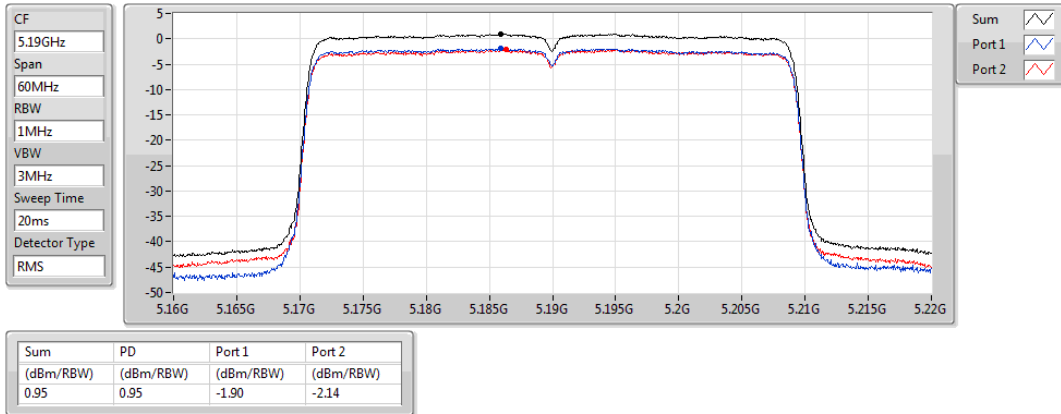
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	5.69	5.30

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

01/02/2019

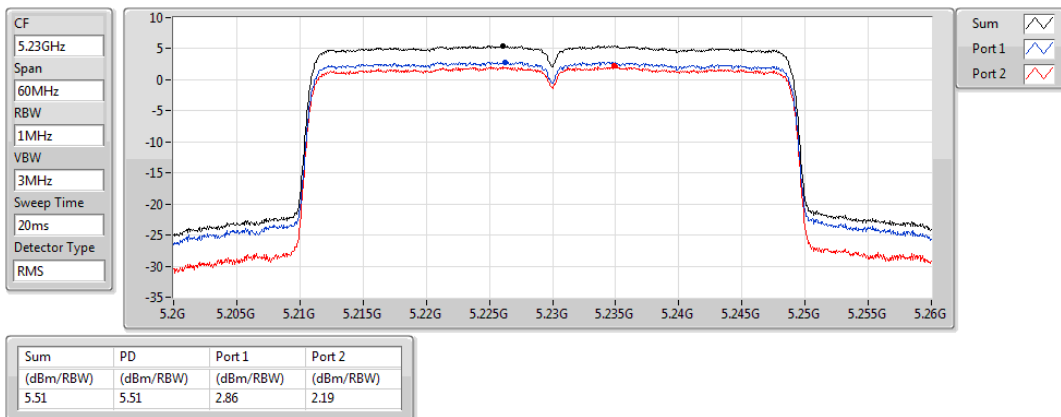


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

01/02/2019

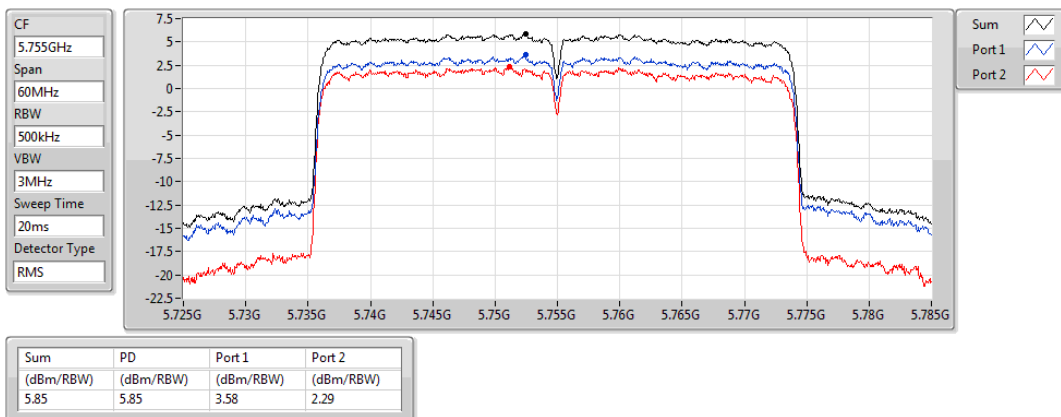


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

01/02/2019

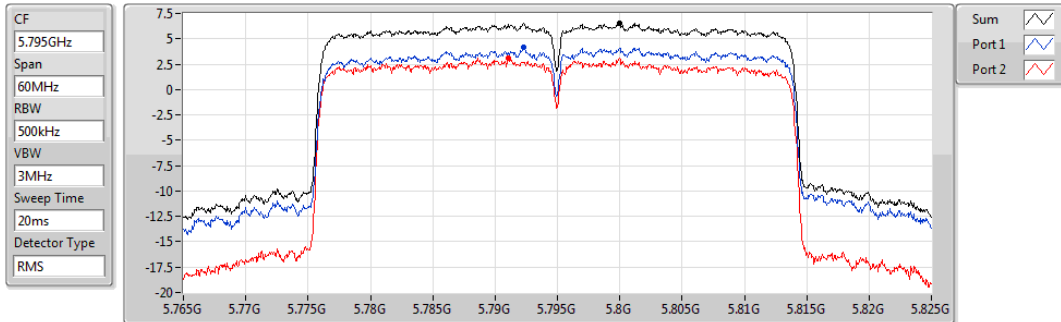


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

01/02/2019



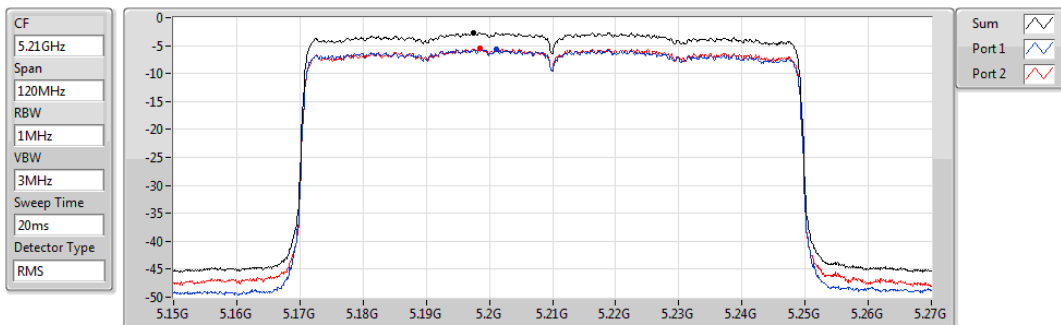
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	4.20	3.12

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

01/02/2019



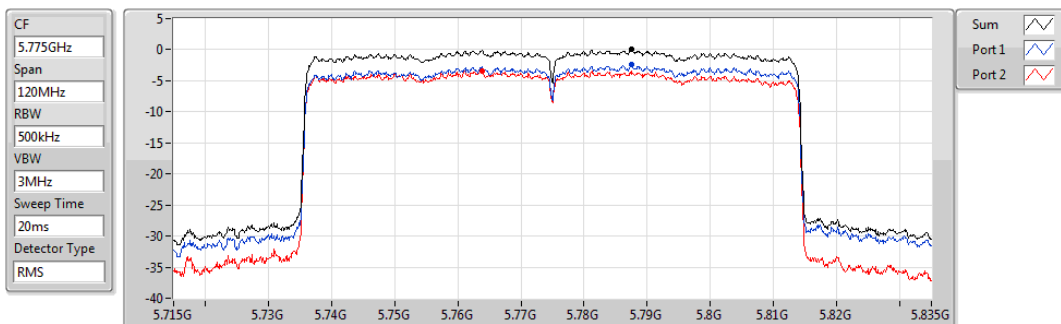
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.69	-2.69	-5.63	-5.53

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

01/02/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.06	0.06	-2.47	-3.39

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.11
802.11ax HEW20_Nss1,(MCS0)_4TX	8.14
802.11ax HEW40_Nss1,(MCS0)_4TX	6.36
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.83
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.19
802.11ax HEW20_Nss1,(MCS0)_4TX	11.61
802.11ax HEW40_Nss1,(MCS0)_4TX	8.00
802.11ax HEW80_Nss1,(MCS0)_4TX	1.26

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	1.77	2.16	1.99	2.12	7.92	8.28
5200MHz	Pass	14.72	1.91	2.56	2.04	2.28	8.11	8.28
5240MHz	Pass	14.72	2.10	1.91	2.40	1.85	8.00	8.28
5745MHz	Pass	14.72	6.21	5.76	6.19	6.22	11.98	21.28
5785MHz	Pass	14.72	6.32	6.10	6.38	6.40	12.19	21.28
5825MHz	Pass	14.72	6.28	5.92	6.54	6.34	12.10	21.28
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	0.45	1.24	0.84	1.02	6.83	8.28
5200MHz	Pass	14.72	1.74	2.20	2.26	2.50	8.14	8.28
5240MHz	Pass	14.72	1.80	2.07	2.37	2.43	8.13	8.28
5745MHz	Pass	14.72	4.73	4.39	4.63	4.61	10.52	21.28
5785MHz	Pass	14.72	5.69	5.28	5.93	5.93	11.61	21.28
5825MHz	Pass	14.72	5.92	5.19	5.93	5.80	11.57	21.28
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-4.83	-4.34	-4.29	-4.63	1.41	8.28
5230MHz	Pass	14.72	0.55	0.41	0.33	0.42	6.36	8.28
5755MHz	Pass	14.72	1.66	0.32	0.72	1.17	6.95	21.28
5795MHz	Pass	14.72	2.66	1.79	1.94	1.98	8.00	21.28
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-6.88	-7.04	-6.38	-6.82	-0.83	8.28
5775MHz	Pass	14.72	-4.60	-4.95	-4.54	-4.54	1.26	21.28

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

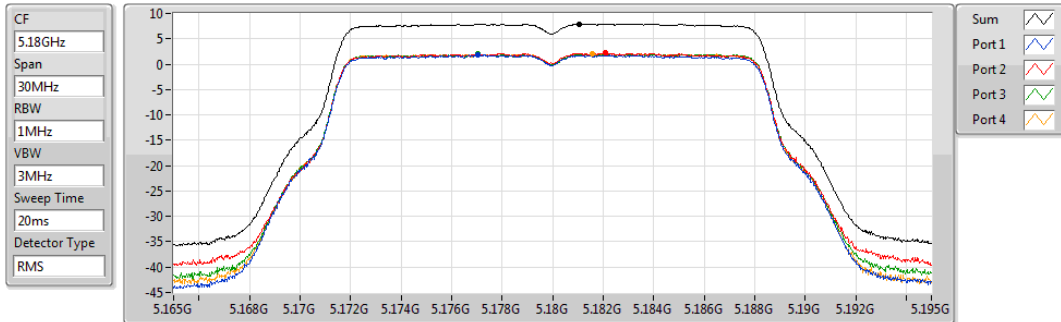
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

01/02/2019



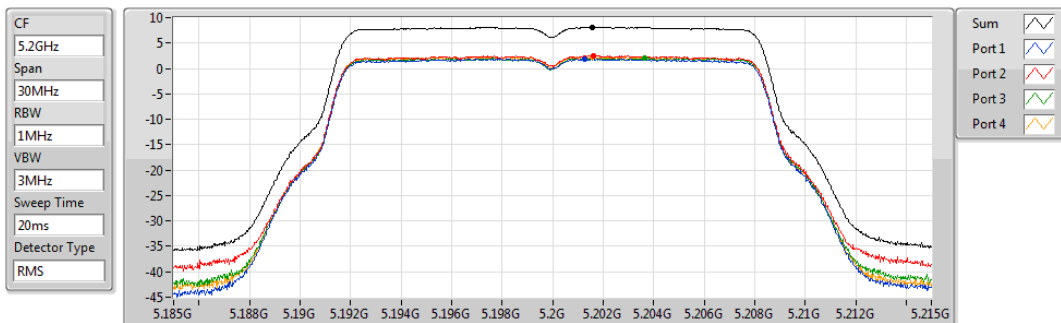
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	1.77	2.16	1.99	2.12

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

01/02/2019



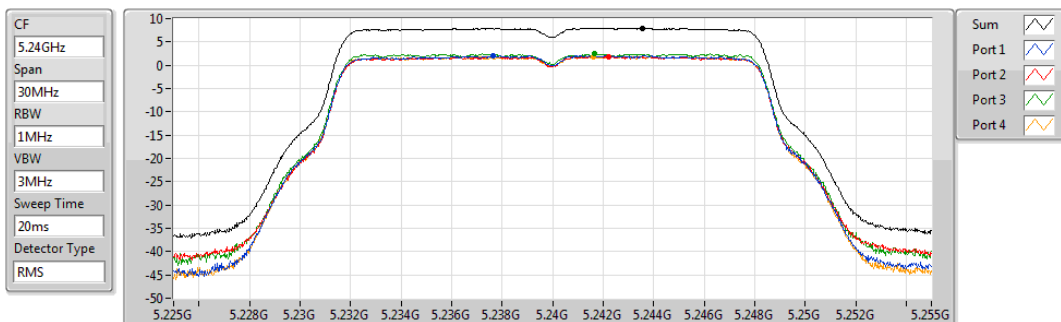
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	1.91	2.56	2.04	2.28

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

01/02/2019



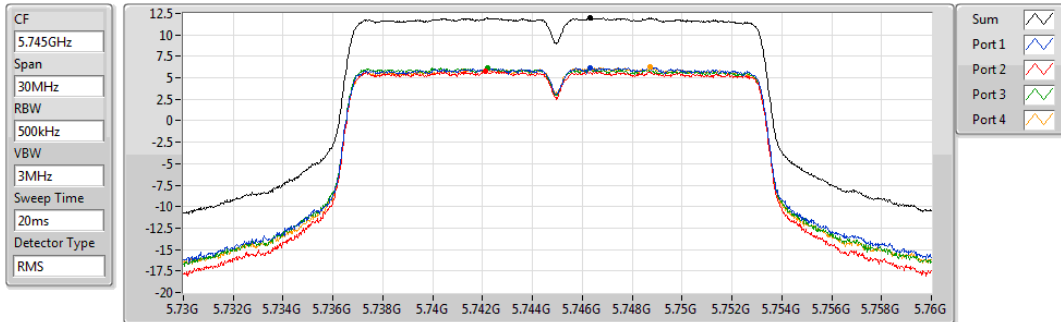
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	2.10	1.91	2.40	1.85

802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

01/02/2019



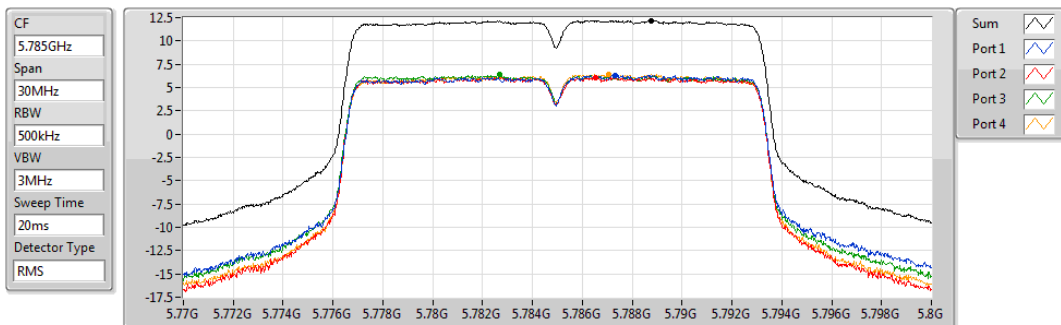
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.98	11.98	6.21	5.76	6.19	6.22

802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

01/02/2019



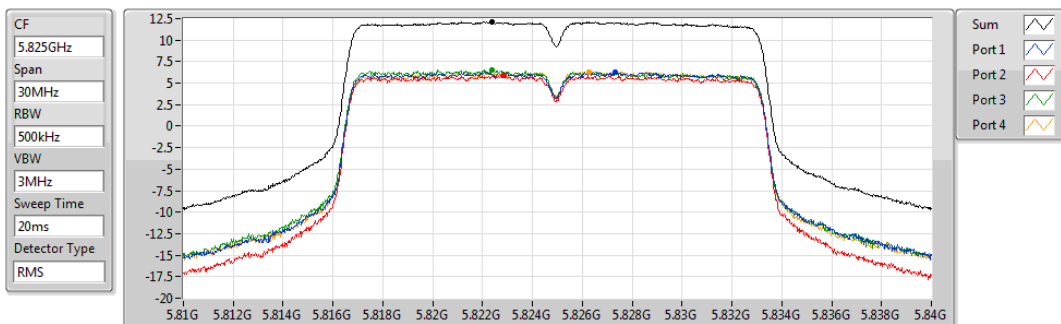
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.19	12.19	6.32	6.10	6.38	6.40

802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

01/02/2019



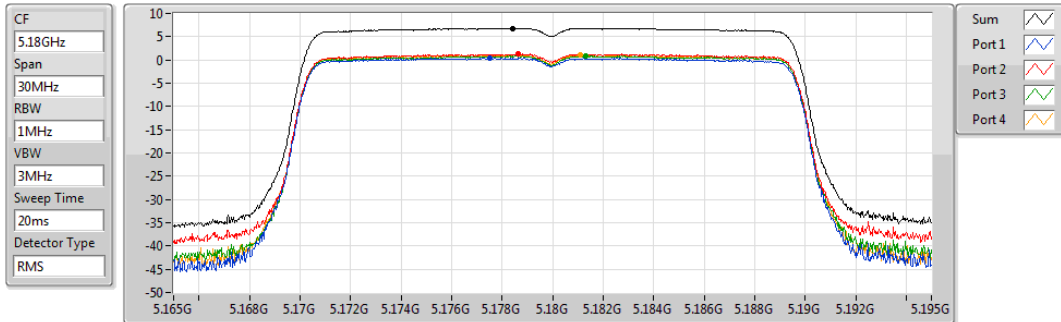
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.10	12.10	6.28	5.92	6.54	6.34

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

01/02/2019



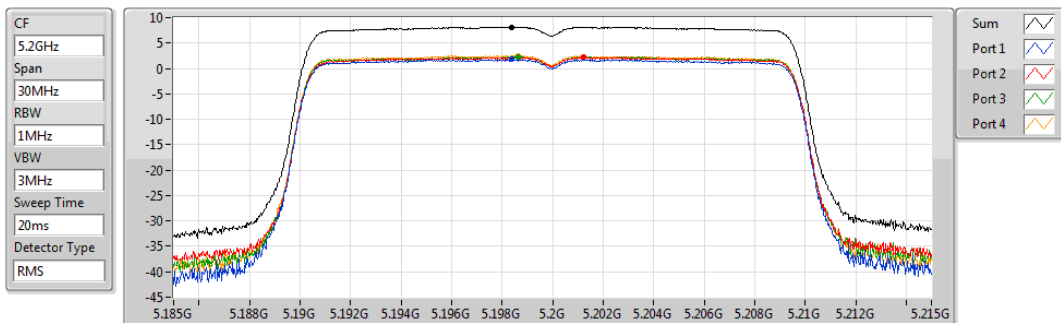
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	0.45	1.24	0.84	1.02

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

01/02/2019



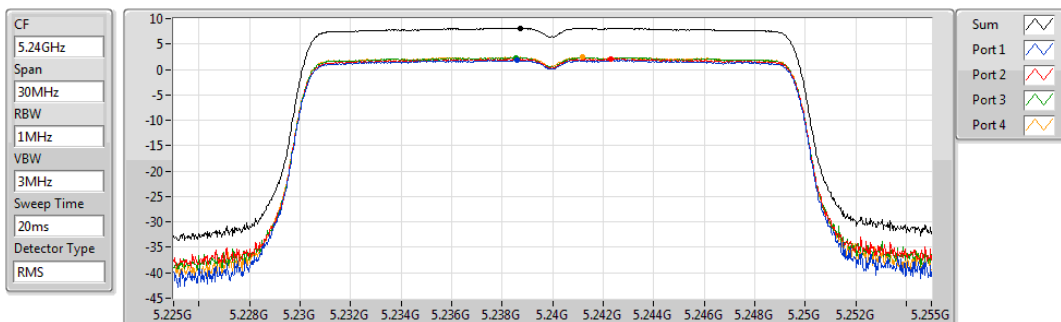
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	1.74	2.20	2.26	2.50

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

01/02/2019



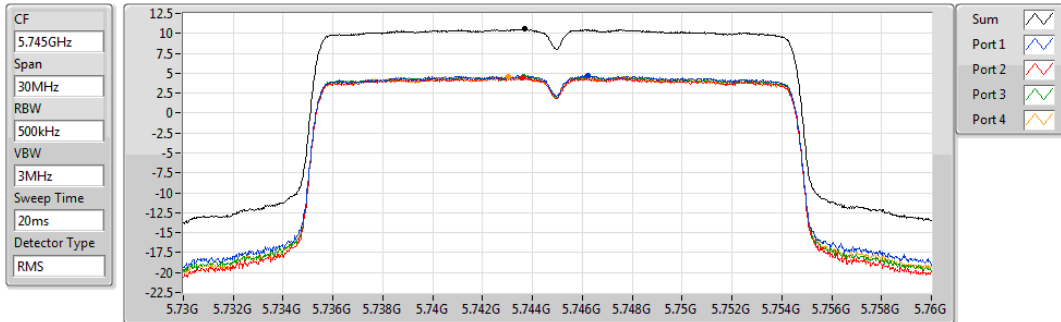
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	1.80	2.07	2.37	2.43

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

01/02/2019



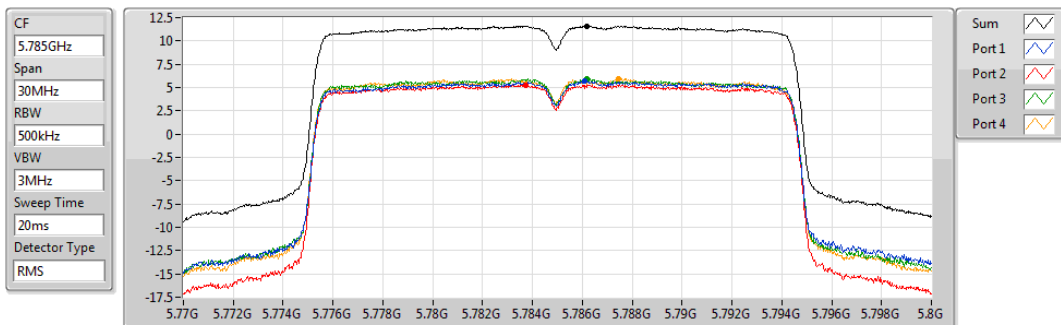
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	4.73	4.39	4.63	4.61

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

01/02/2019



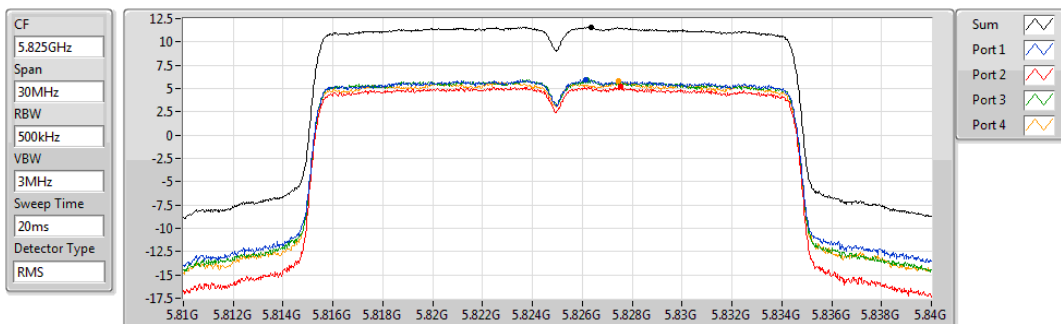
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	5.69	5.28	5.93	5.93

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

01/02/2019



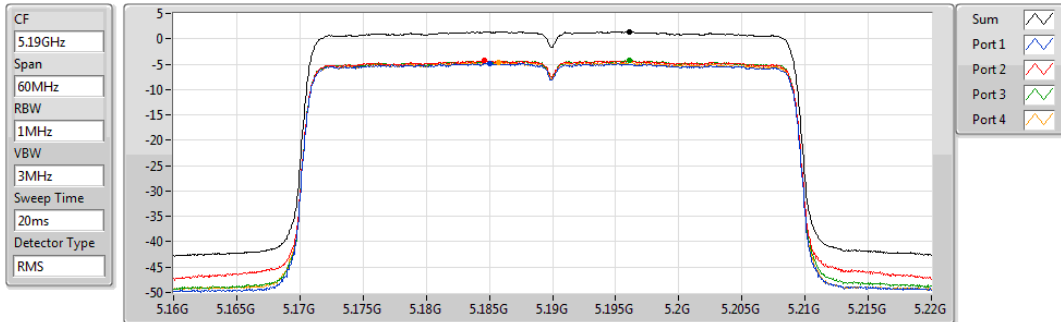
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.57	11.57	5.92	5.19	5.93	5.80

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

01/02/2019



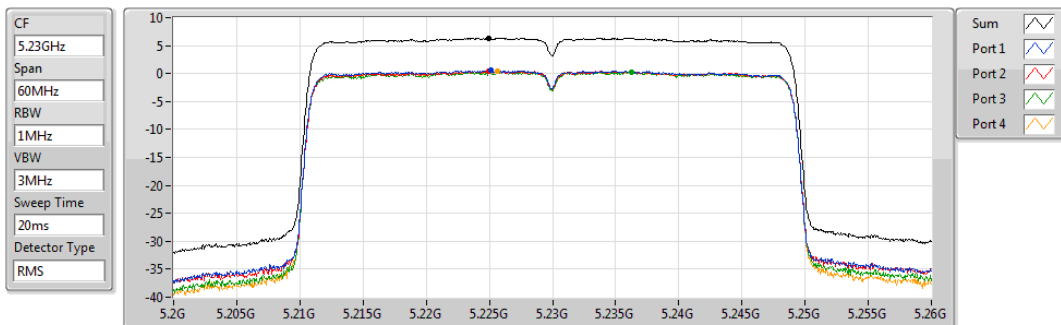
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.41	1.41	-4.83	-4.34	-4.29	-4.63

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

01/02/2019



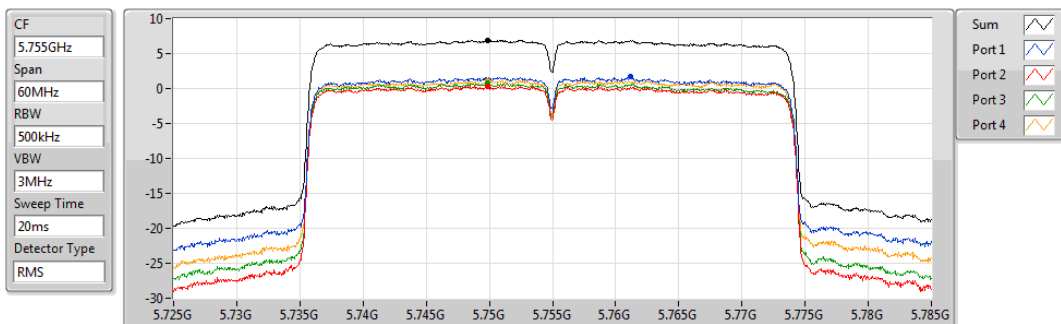
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.36	6.36	0.55	0.41	0.33	0.42

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

01/02/2019



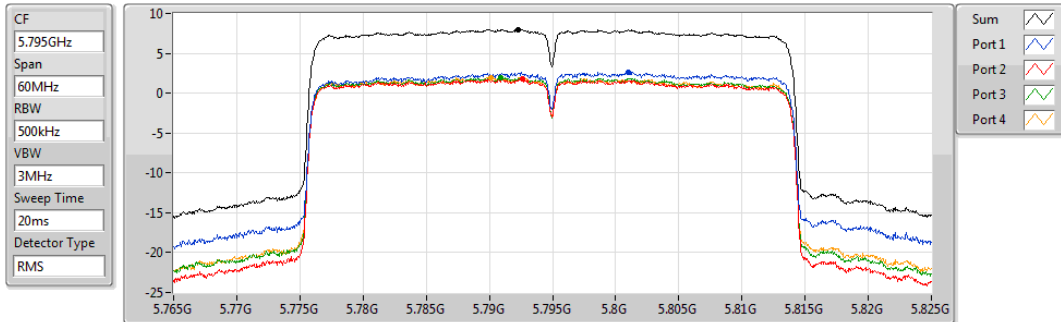
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.95	6.95	1.66	0.32	0.72	1.17

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

01/02/2019



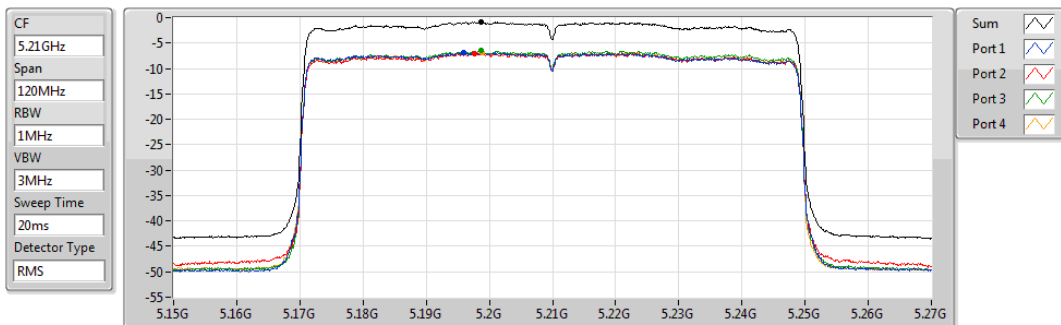
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	2.66	1.79	1.94	1.98

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

01/02/2019



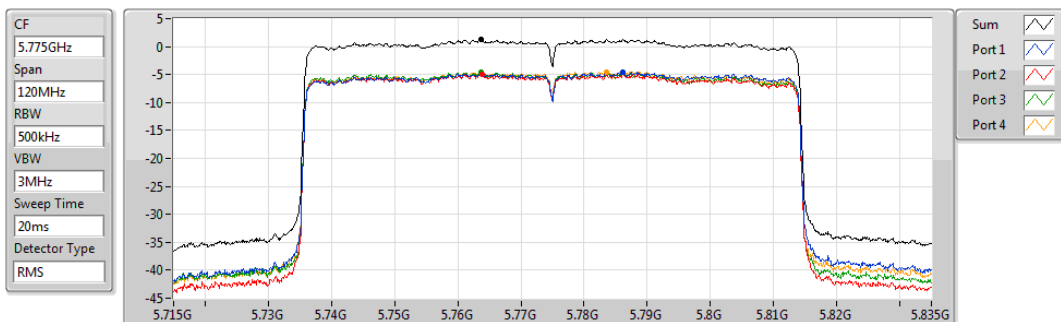
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.83	-0.83	-6.88	-7.04	-6.38	-6.82

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

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)
1.26	1.26	-4.60	-4.95	-4.54	-4.54

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.77
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.50
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.30
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.40
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.07

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	1.08	1.85	1.91	2.71	7.88	8.28
5200MHz	Pass	14.72	1.20	1.57	1.90	2.70	7.85	8.28
5240MHz	Pass	14.72	1.20	1.64	1.79	2.14	7.65	8.28
5745MHz	Pass	14.72	-0.18	0.53	0.44	0.33	6.20	21.28
5785MHz	Pass	14.72	0.04	0.57	0.49	0.29	6.30	21.28
5825MHz	Pass	14.72	0.02	0.33	0.35	0.47	6.21	21.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-5.98	-4.90	-4.64	-5.46	0.75	8.28
5230MHz	Pass	14.72	-1.34	-0.97	-0.75	-1.66	4.77	8.28
5755MHz	Pass	14.72	-2.67	-2.36	-2.57	-3.37	3.21	21.28
5795MHz	Pass	14.72	-2.50	-2.11	-2.30	-3.32	3.40	21.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-6.24	-5.10	-5.00	-5.45	0.50	8.28
5775MHz	Pass	14.72	-5.69	-5.36	-5.83	-6.40	0.07	21.28

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

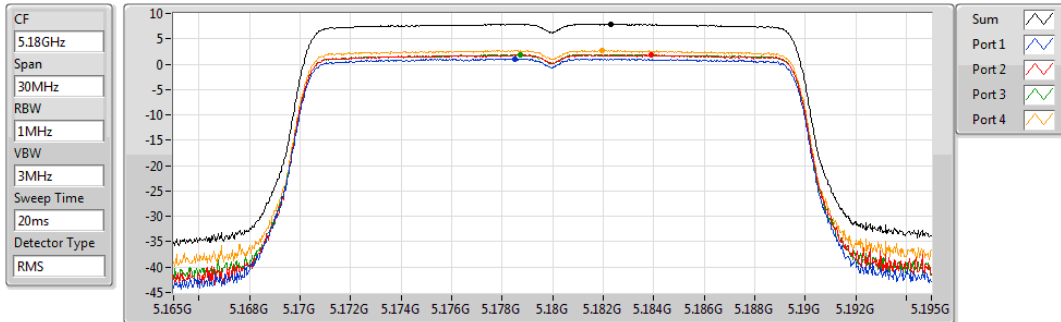
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

26/01/2019



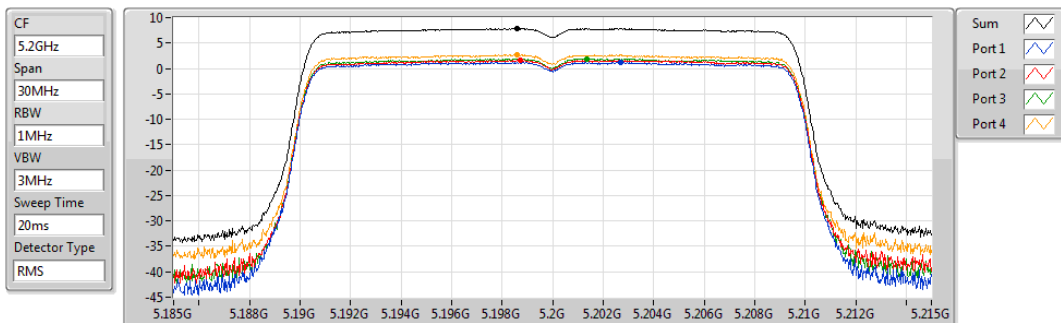
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.88	7.88	1.08	1.85	1.91	2.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

01/02/2019



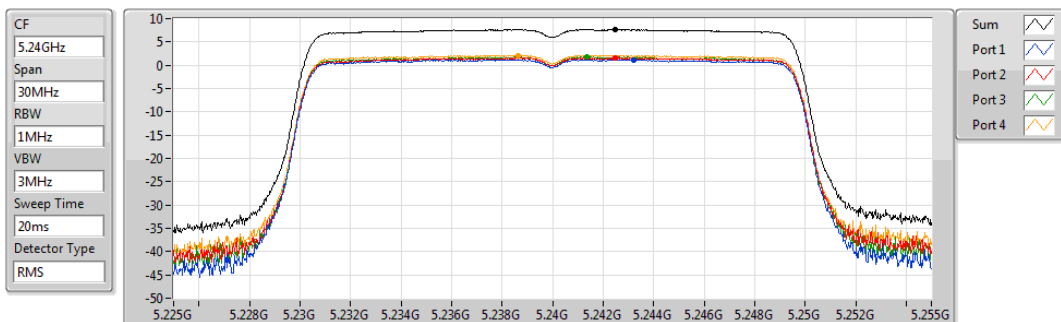
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.85	7.85	1.20	1.57	1.90	2.70

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

01/02/2019



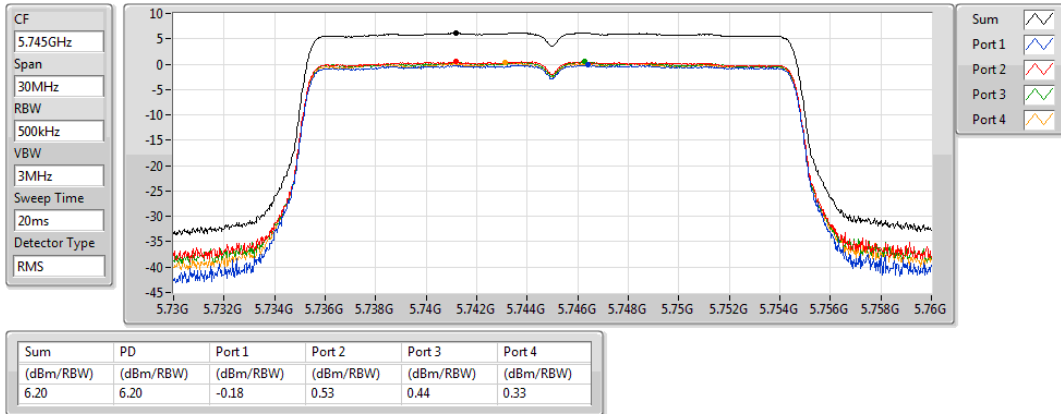
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.65	7.65	1.20	1.64	1.79	2.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

01/02/2019

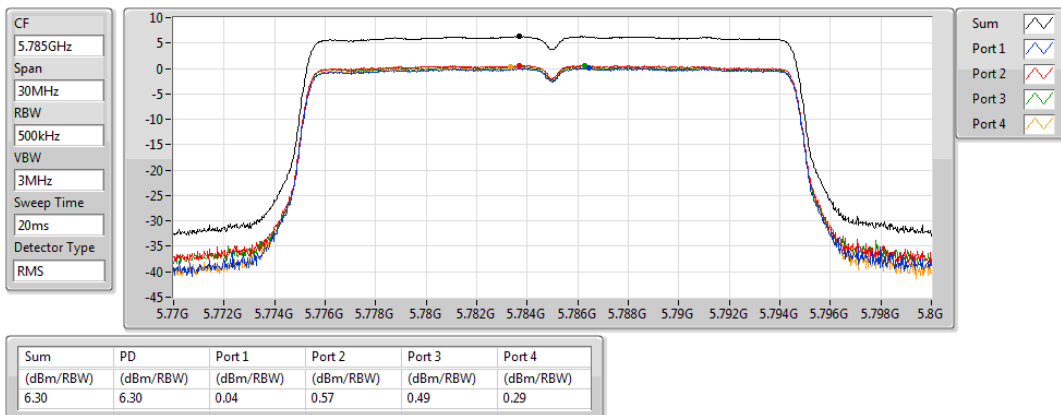


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

01/02/2019

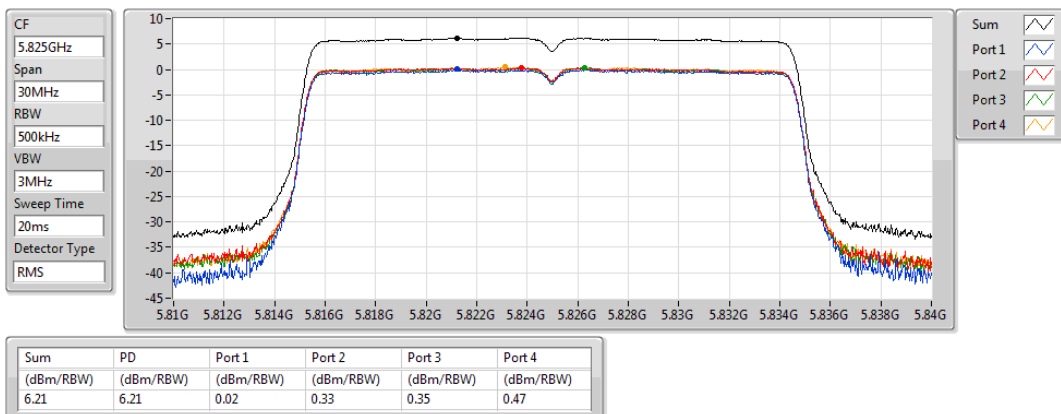


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

01/02/2019

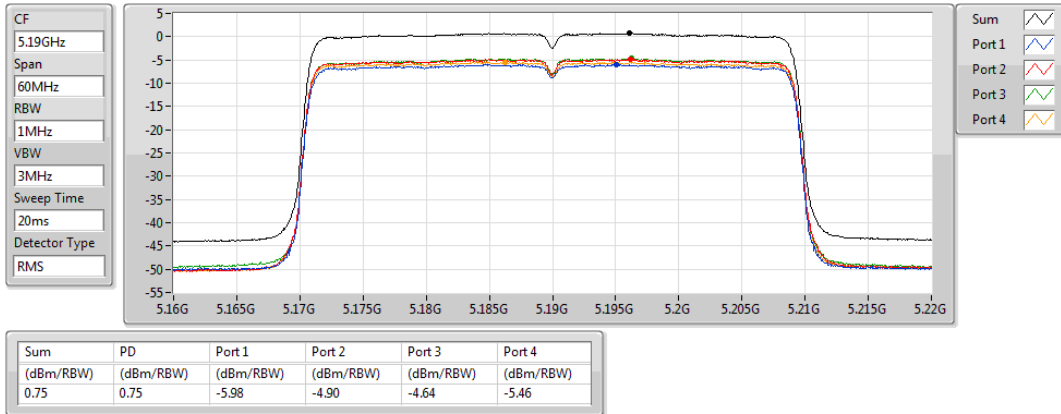


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

01/02/2019

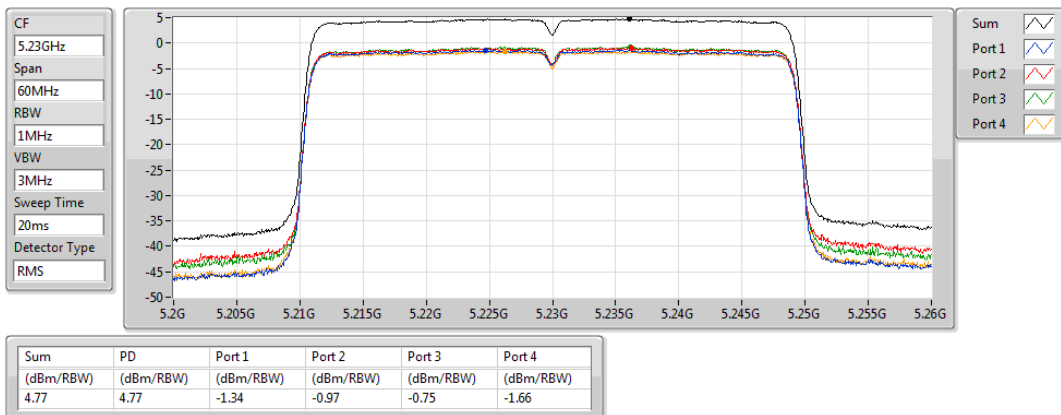


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

01/02/2019

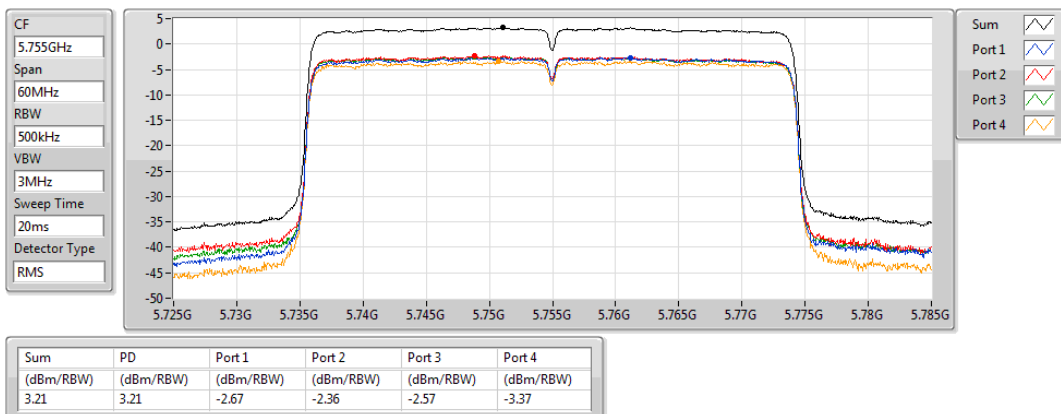


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

01/02/2019

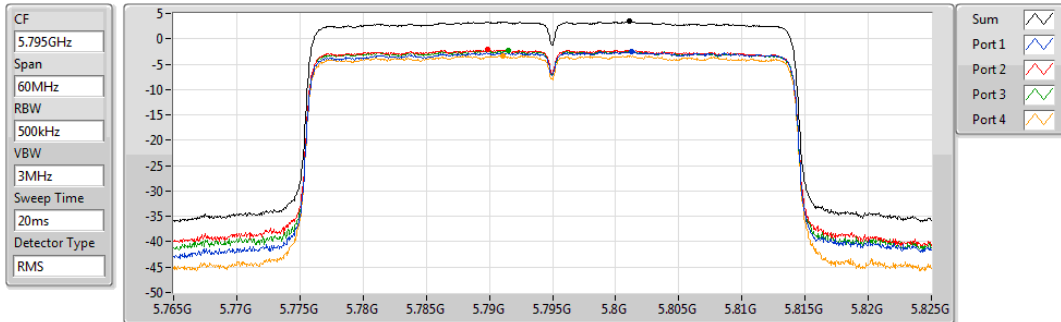


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

01/02/2019



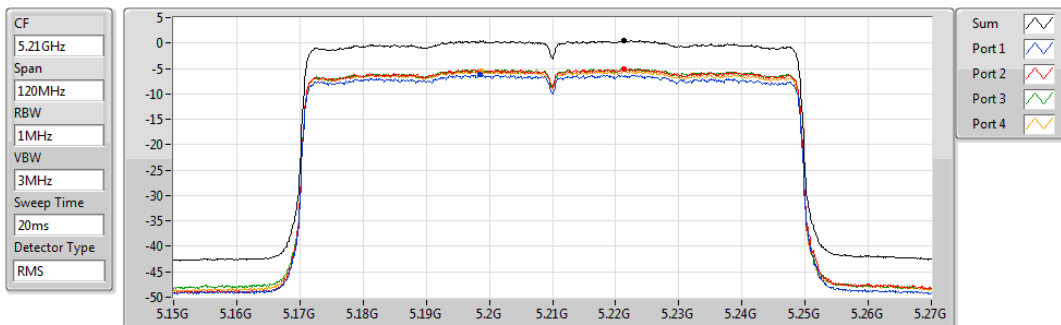
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.40	3.40	-2.50	-2.11	-2.30	-3.32

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

26/01/2019



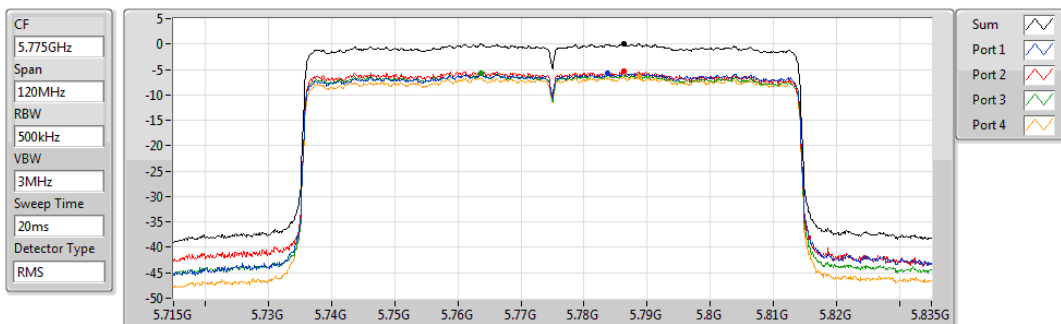
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	-6.24	-5.10	-5.00	-5.45

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

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)
0.07	0.07	-5.69	-5.36	-5.83	-6.40

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.04
802.11ax HEW40_Nss4,(MCS0)_4TX	7.42
802.11ax HEW80_Nss4,(MCS0)_4TX	0.39
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.86
802.11ax HEW40_Nss4,(MCS0)_4TX	8.30
802.11ax HEW80_Nss4,(MCS0)_4TX	1.85

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	1.50	2.36	2.45	2.16	8.03	14.30
5200MHz	Pass	8.70	5.65	5.81	5.85	6.09	11.76	14.30
5240MHz	Pass	8.70	6.12	6.12	6.22	6.31	12.04	14.30
5745MHz	Pass	8.70	4.83	4.92	4.71	5.17	10.80	27.30
5785MHz	Pass	8.70	6.12	5.94	6.02	6.21	11.86	27.30
5825MHz	Pass	8.70	6.01	5.70	5.65	6.08	11.80	27.30
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.70	-4.06	-3.03	-3.28	-3.66	2.39	14.30
5230MHz	Pass	8.70	1.27	1.44	1.68	1.55	7.42	14.30
5755MHz	Pass	8.70	2.12	1.34	1.51	1.99	7.66	27.30
5795MHz	Pass	8.70	2.93	1.95	2.25	2.68	8.30	27.30
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.70	-5.75	-5.36	-5.26	-5.27	0.39	14.30
5775MHz	Pass	8.70	-3.82	-4.04	-4.11	-3.74	1.85	27.30

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

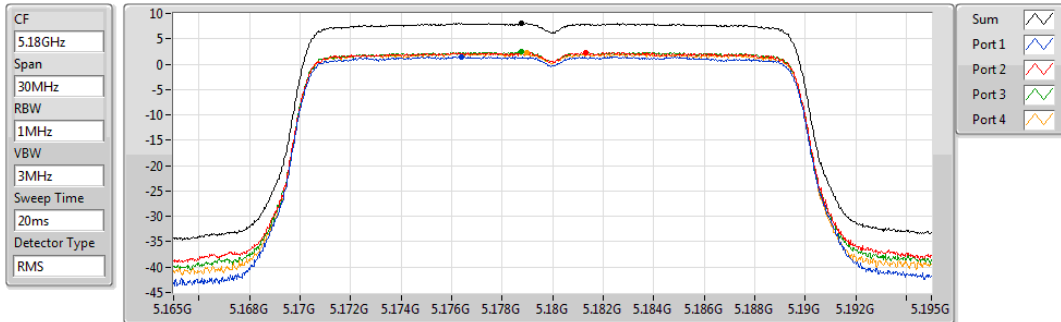
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

01/02/2019



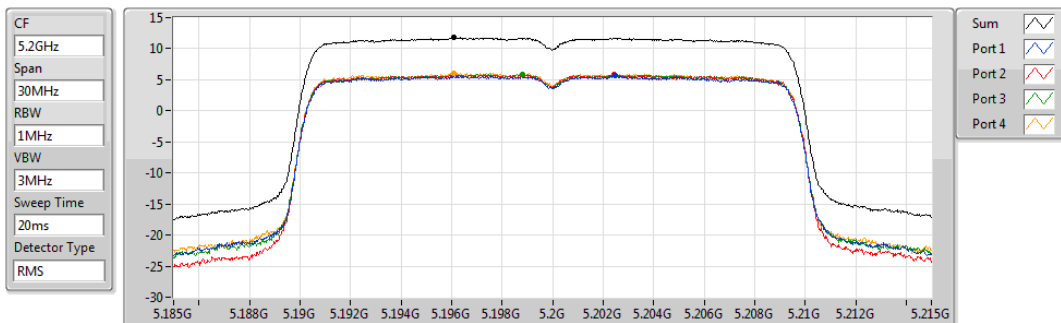
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	1.50	2.36	2.45	2.16

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

01/02/2019



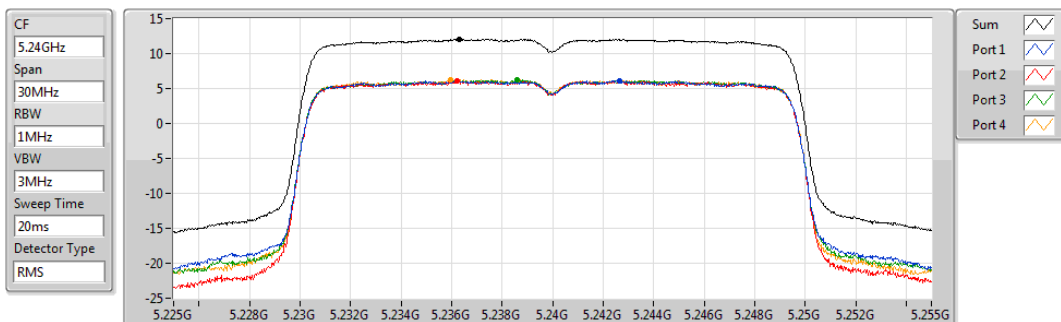
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.76	11.76	5.65	5.81	5.85	6.09

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

01/02/2019



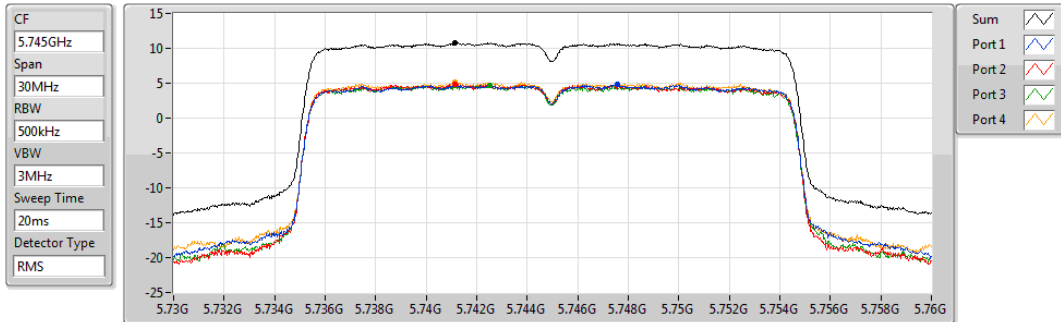
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.04	12.04	6.12	6.12	6.22	6.31

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5745MHz

01/02/2019



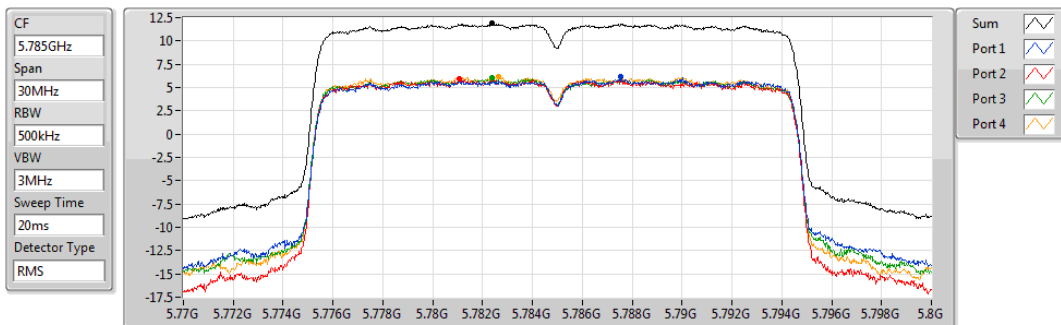
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.83	4.92	4.71	5.17

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5785MHz

01/02/2019



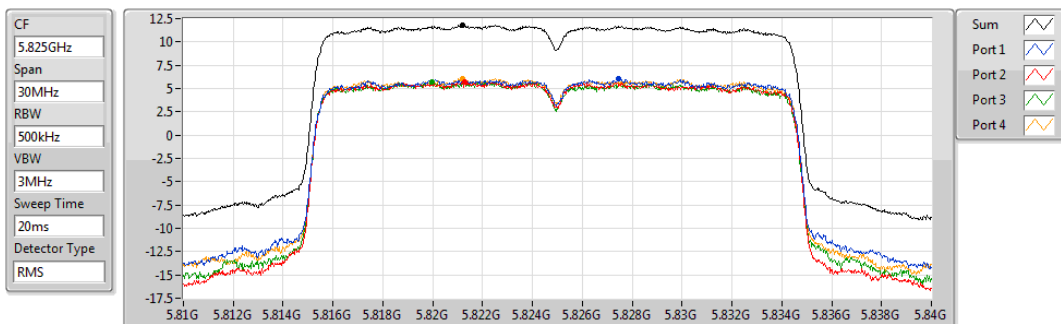
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.86	11.86	6.12	5.94	6.02	6.21

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5825MHz

01/02/2019



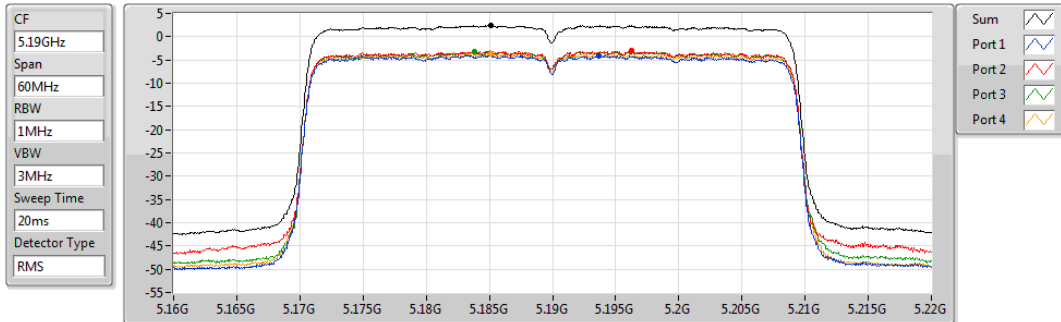
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	6.01	5.70	5.65	6.08

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

01/02/2019



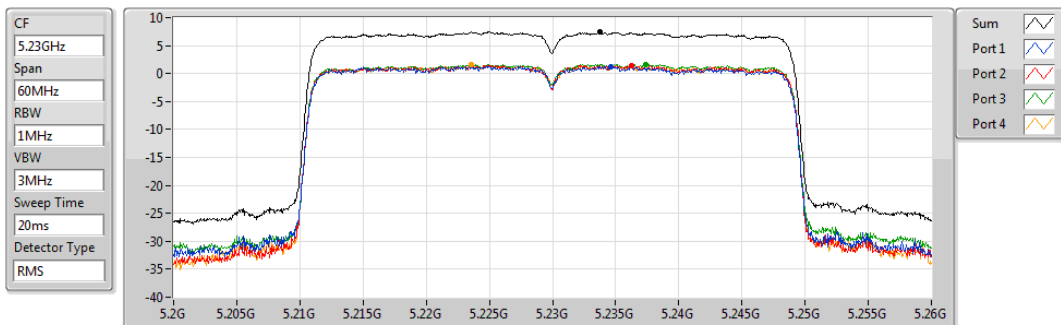
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.39	2.39	-4.06	-3.03	-3.28	-3.66

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

01/02/2019



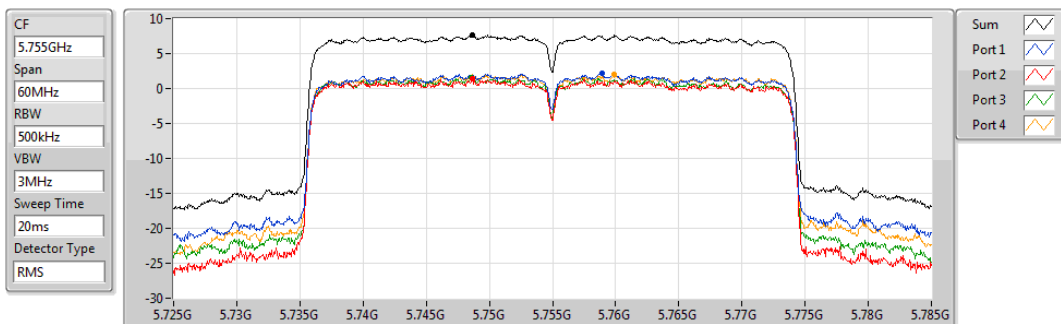
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.42	7.42	1.27	1.44	1.68	1.55

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

01/02/2019



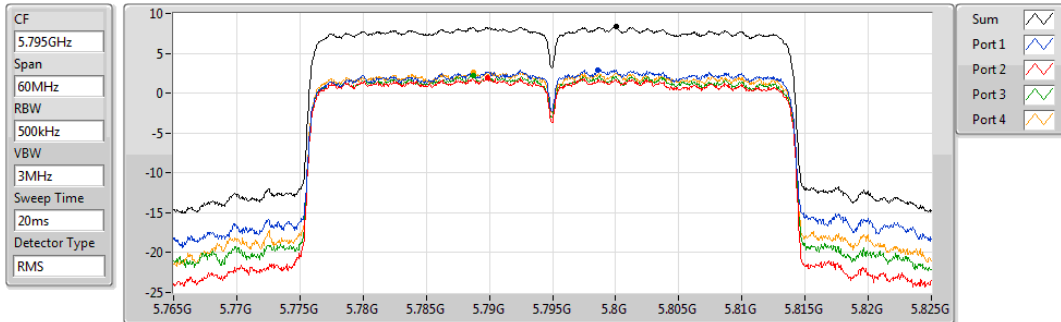
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.66	7.66	2.12	1.34	1.51	1.99

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5795MHz

01/02/2019



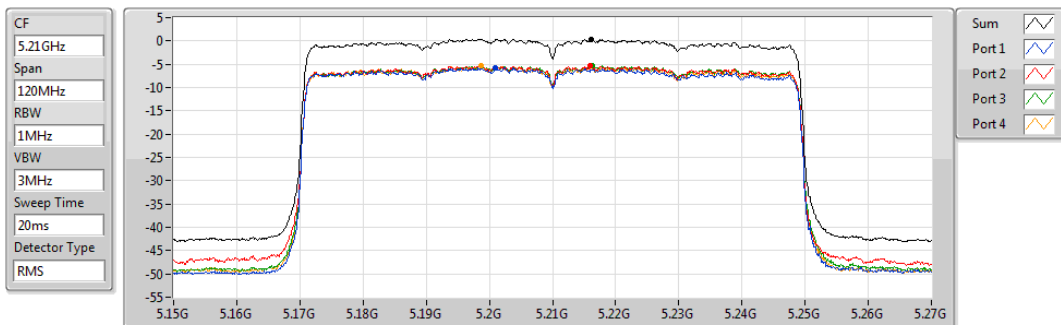
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.30	8.30	2.93	1.95	2.25	2.68

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

01/02/2019



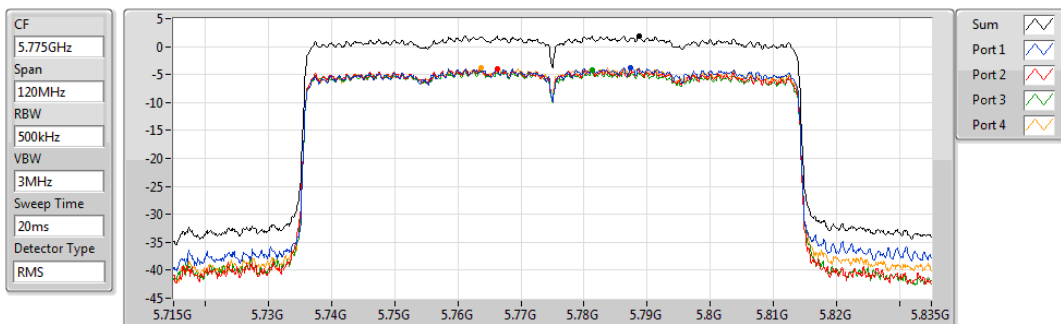
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	-5.75	-5.36	-5.26	-5.27

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5775MHz

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)
1.85	1.85	-3.82	-4.04	-4.11	-3.74

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	2.89
802.11ax HEW20_Nss1,(MCS0)_1TX	2.50
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.25
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.35

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	2.71	2.71	17.00
5200MHz	Pass	3.00	2.83	2.83	17.00
5240MHz	Pass	3.00	2.89	2.89	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	2.35	2.35	17.00
5200MHz	Pass	3.00	2.24	2.24	17.00
5240MHz	Pass	3.00	2.50	2.50	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.00	-0.40	-0.40	17.00
5230MHz	Pass	3.00	-0.25	-0.25	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.00	-3.35	-3.35	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;

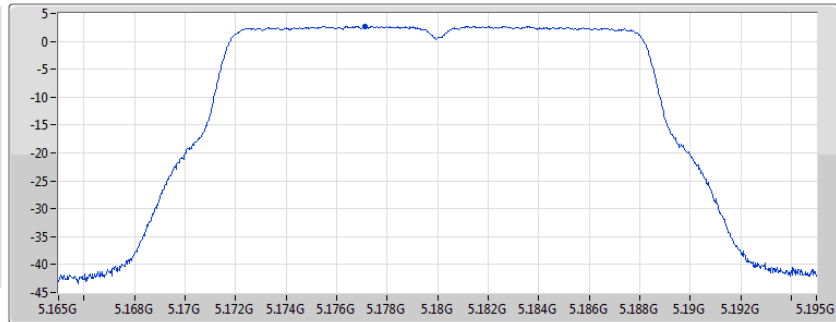
802.11a_Nss1,(6Mbps)_1TX

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/Hz)	(dBm/Hz)	(dBm/Hz)
2.71	2.71	2.71

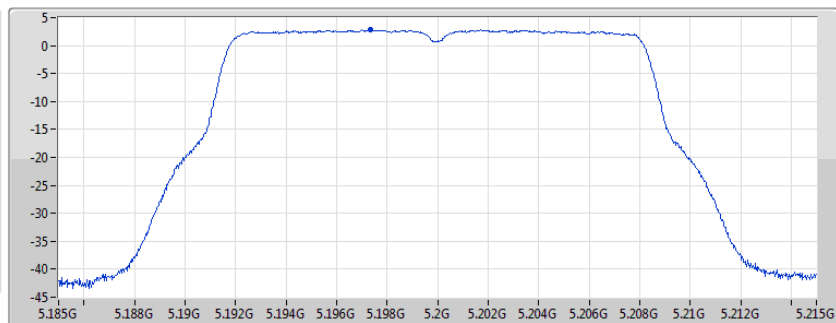
802.11a_Nss1,(6Mbps)_1TX

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/Hz)	(dBm/Hz)	(dBm/Hz)
2.83	2.83	2.83

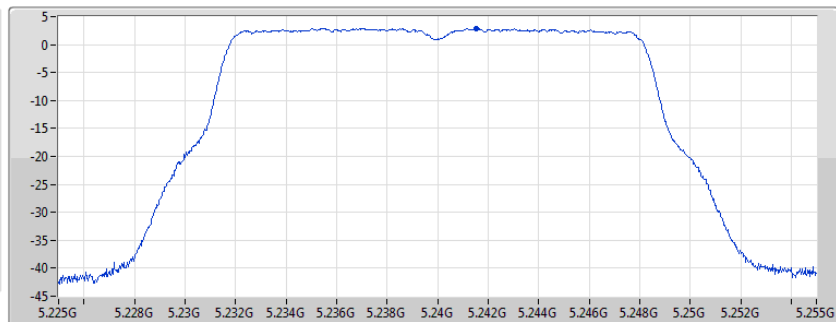
802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

02/03/2019

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



Port 1

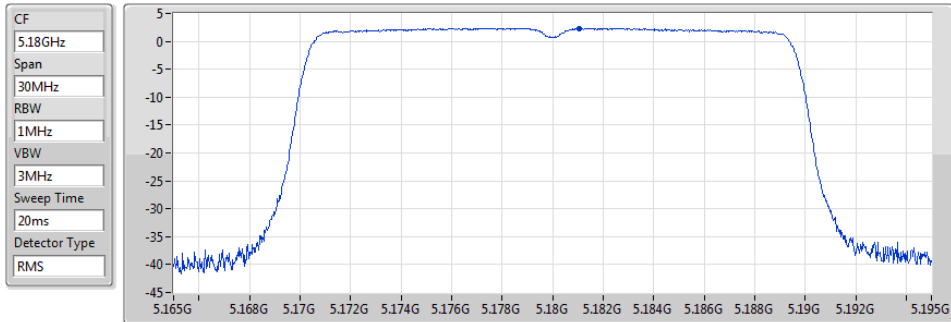
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.89	2.89	2.89

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

02/03/2019



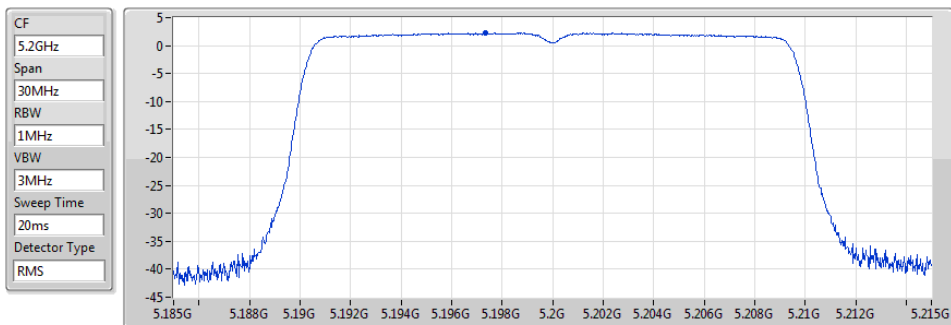
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.35	2.35	2.35

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

02/03/2019



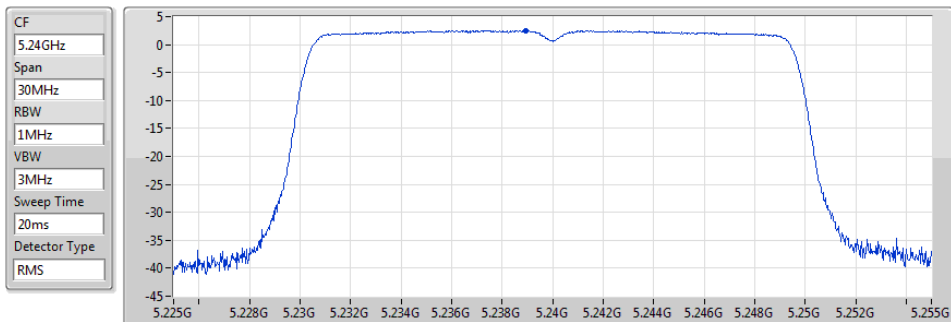
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.24	2.24	2.24

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

02/03/2019



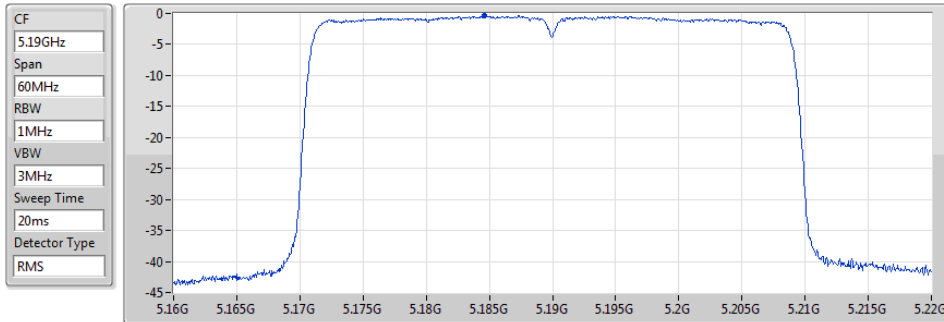
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.50	2.50	2.50

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

02/03/2019



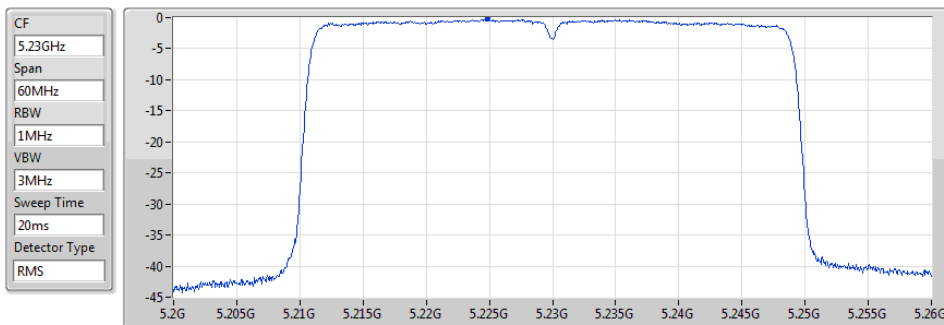
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.40	-0.40	-0.40

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

02/03/2019



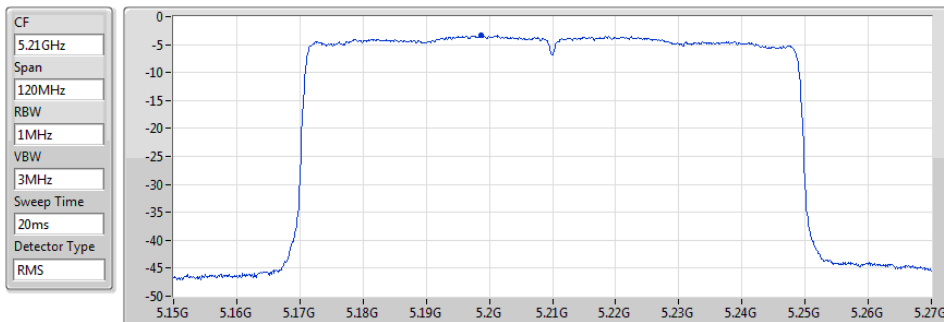
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.25	-0.25	-0.25

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

02/03/2019



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.35	-3.35	-3.35

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	2.49
802.11ax HEW40_Nss2,(MCS0)_2TX	-0.26
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.48

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	-1.25	-0.00	2.37	17.00
5200MHz	Pass	3.00	-1.08	0.02	2.47	17.00
5240MHz	Pass	3.00	-1.02	-0.00	2.49	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.00	-3.49	-2.89	-0.26	17.00
5230MHz	Pass	3.00	-4.09	-2.69	-0.37	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.00	-6.77	-6.08	-3.48	17.00

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

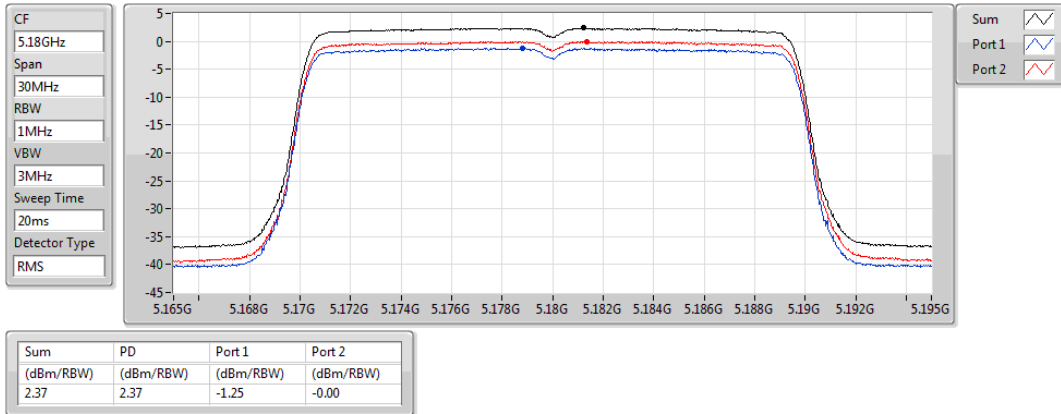
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

02/03/2019

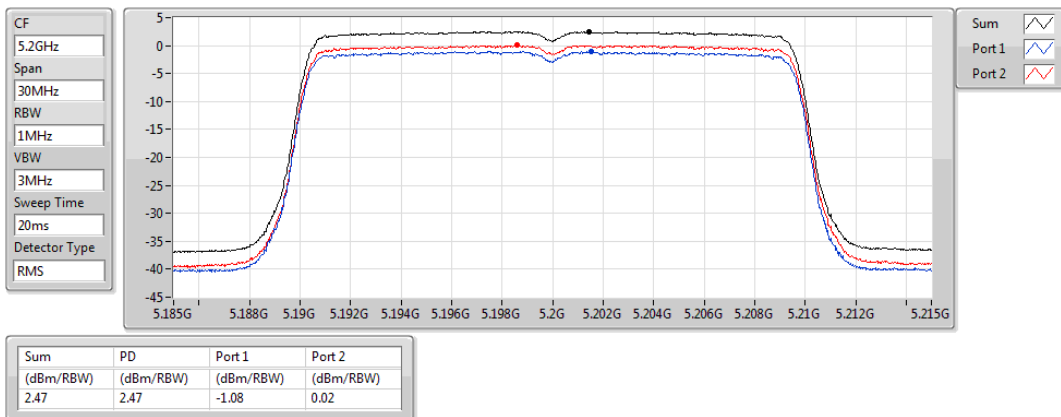


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

02/03/2019

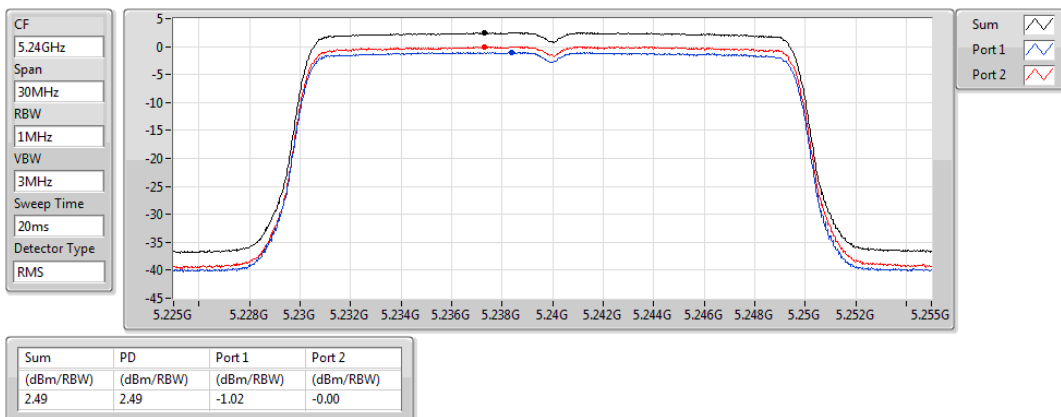


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

02/03/2019

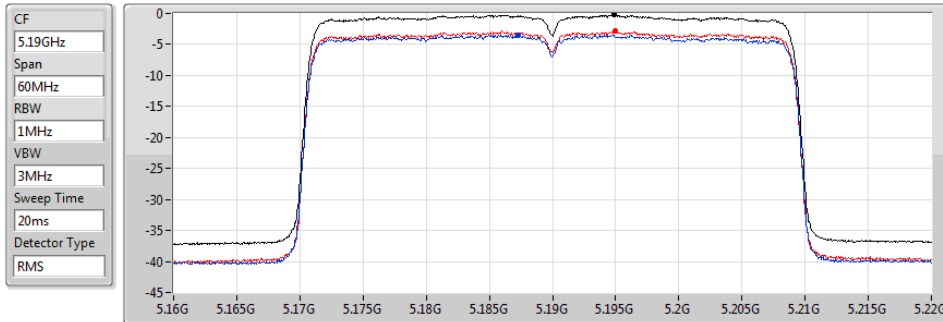


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

02/03/2019



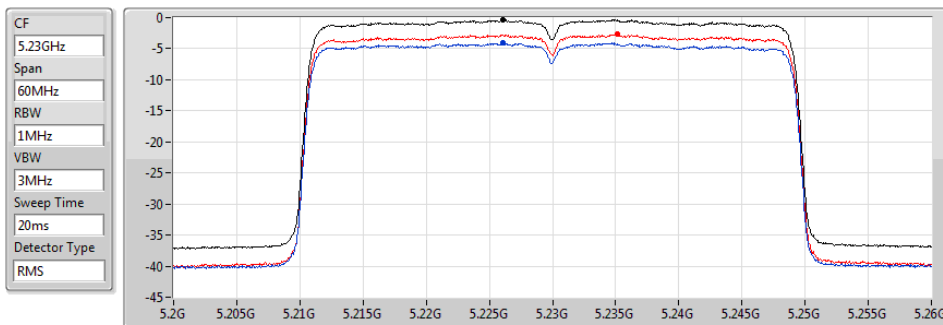
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.26	-0.26	-3.49	-2.89

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

02/03/2019



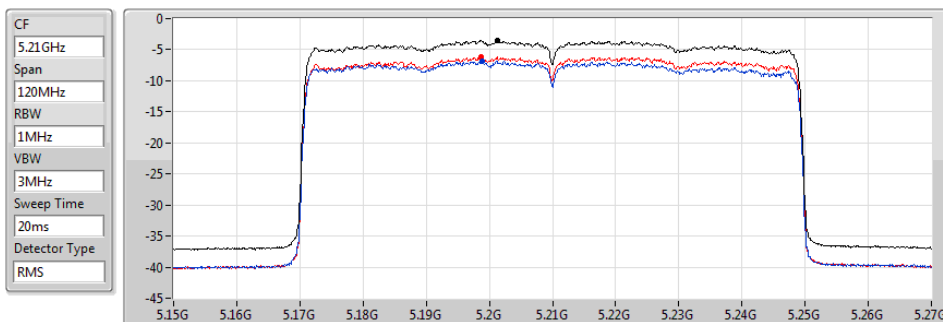
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.37	-0.37	-4.09	-2.69

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)
-3.48	-3.48	-6.77	-6.08

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	3.18
802.11ax HEW20_Nss1,(MCS0)_4TX	2.46
802.11ax HEW40_Nss1,(MCS0)_4TX	-0.49
802.11ax HEW80_Nss1,(MCS0)_4TX	-3.43

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	-3.85	-2.35	-3.30	-3.38	2.72	13.98
5200MHz	Pass	9.02	-4.09	-1.98	-3.13	-3.29	2.86	13.98
5240MHz	Pass	9.02	-3.72	-1.89	-2.63	-3.04	3.18	13.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-4.83	-2.84	-3.60	-3.80	2.20	13.98
5200MHz	Pass	9.02	-4.97	-2.92	-3.86	-3.61	2.18	13.98
5240MHz	Pass	9.02	-4.70	-2.69	-3.20	-3.73	2.46	13.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-7.11	-5.70	-6.19	-6.77	-0.49	13.98
5230MHz	Pass	9.02	-7.57	-5.68	-6.07	-7.03	-0.56	13.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-9.95	-8.80	-8.92	-9.69	-3.43	13.98

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

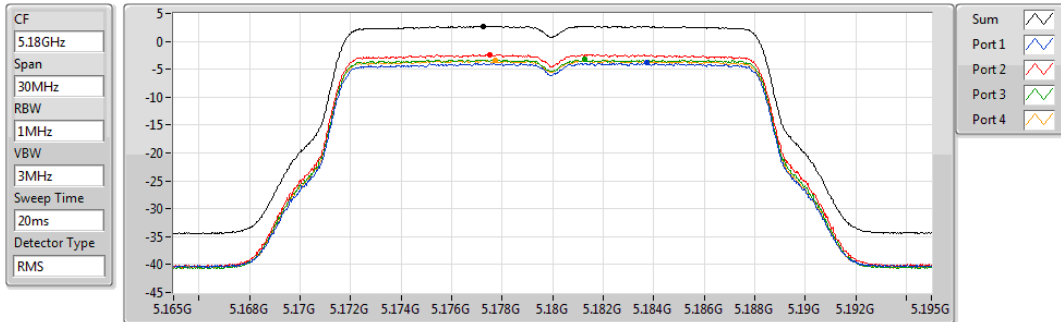
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

02/03/2019



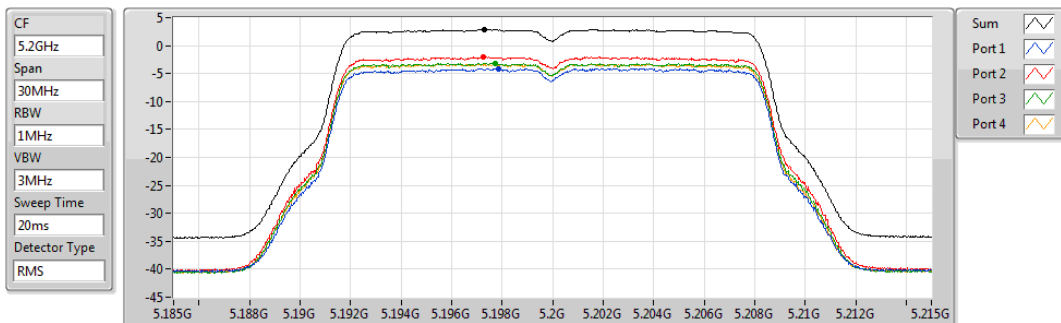
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.72	2.72	-3.85	-2.35	-3.30	-3.38

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

02/03/2019



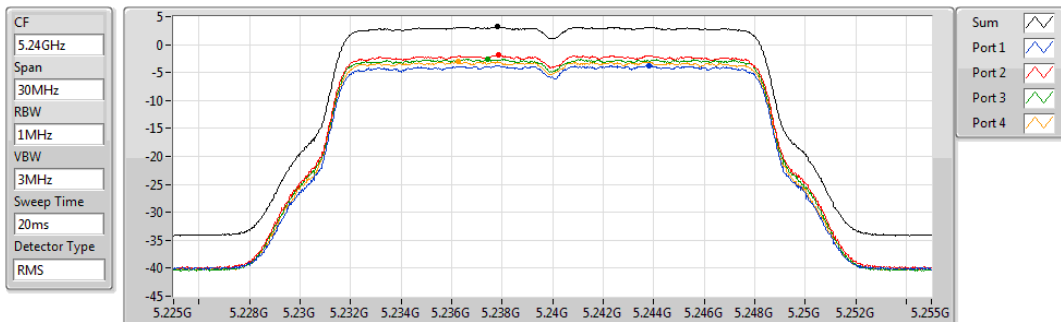
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	-4.09	-1.98	-3.13	-3.29

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

02/03/2019



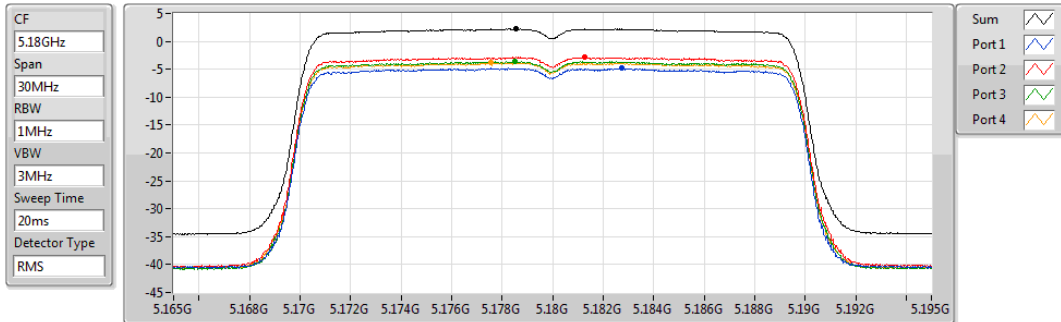
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.18	3.18	-3.72	-1.89	-2.63	-3.04

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

02/03/2019



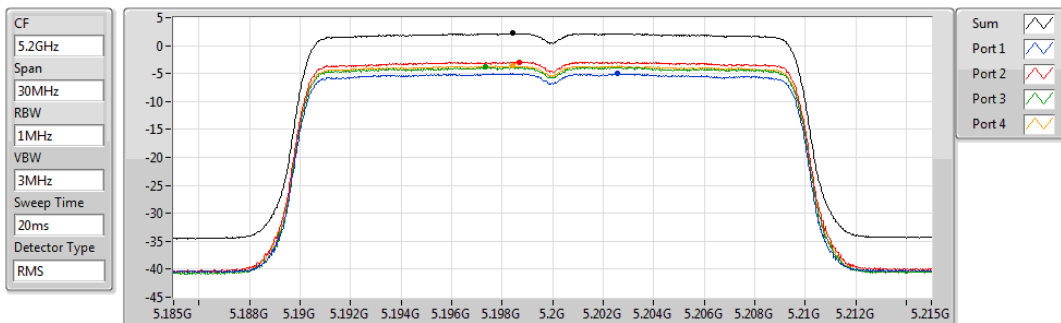
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.20	2.20	-4.83	-2.84	-3.60	-3.80

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

03/03/2019



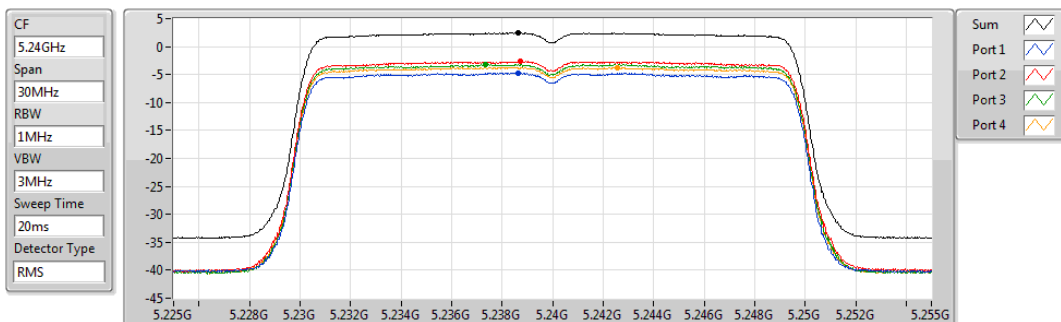
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.18	2.18	-4.97	-2.92	-3.86	-3.61

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

03/03/2019



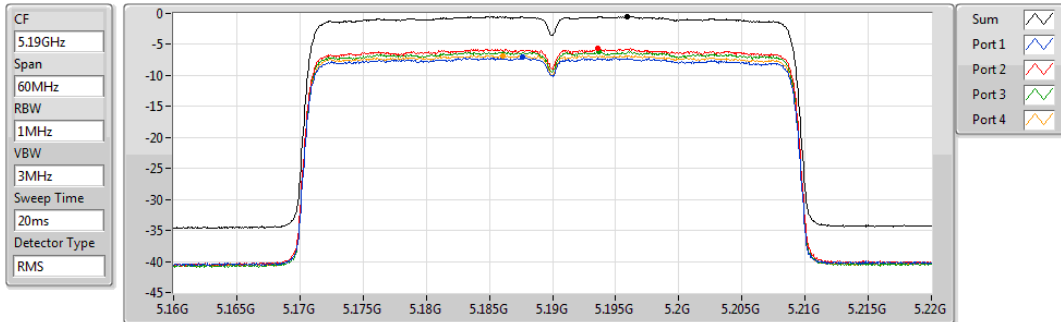
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.46	2.46	-4.70	-2.69	-3.20	-3.73

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

03/03/2019



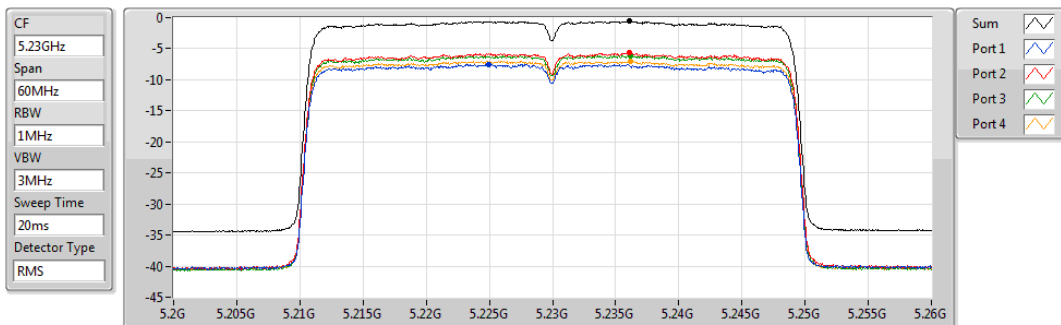
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.49	-0.49	-7.11	-5.70	-6.19	-6.77

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

03/03/2019



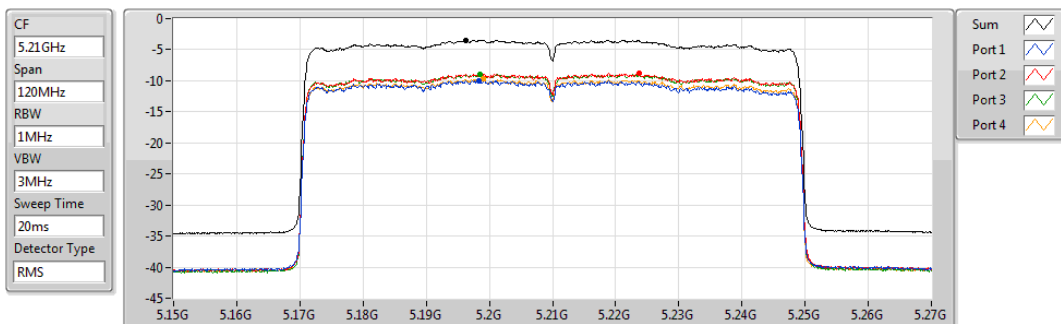
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.56	-0.56	-7.57	-5.68	-6.07	-7.03

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

03/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.43	-3.43	-9.95	-8.80	-8.92	-9.69

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-6.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-9.34

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	-11.55	-8.43	-9.54	-8.43	-3.37	13.98
5200MHz	Pass	9.02	-10.91	-8.33	-9.44	-8.44	-3.22	13.98
5240MHz	Pass	9.02	-11.53	-8.78	-9.25	-8.78	-3.49	13.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.02	-13.62	-11.06	-12.10	-12.52	-6.29	13.98
5230MHz	Pass	9.02	-13.55	-10.99	-12.01	-12.60	-6.25	13.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.02	-16.54	-14.50	-14.71	-15.55	-9.34	13.98

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

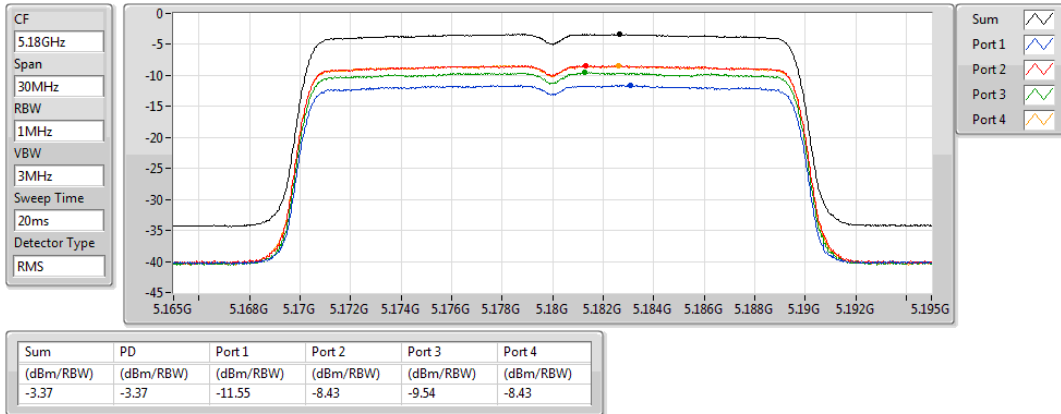
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

03/03/2019

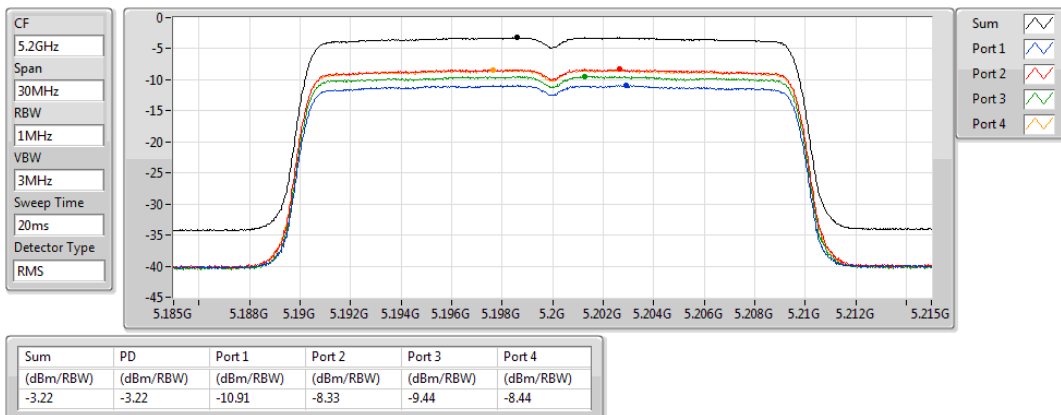


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

03/03/2019

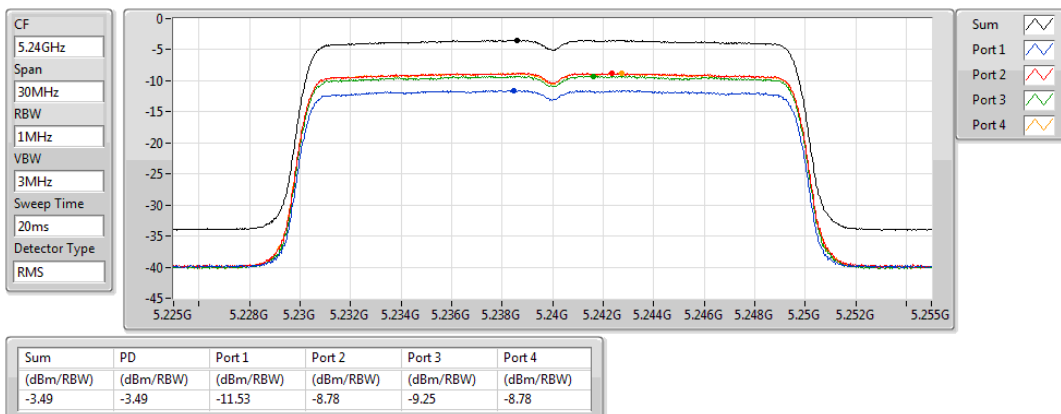


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

03/03/2019

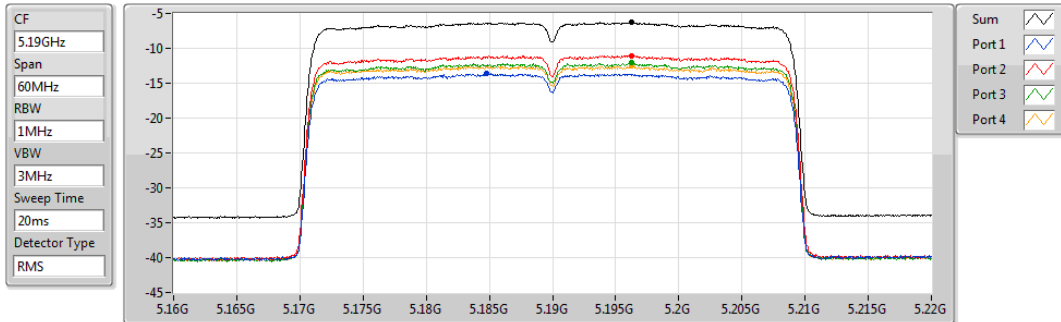


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

03/03/2019



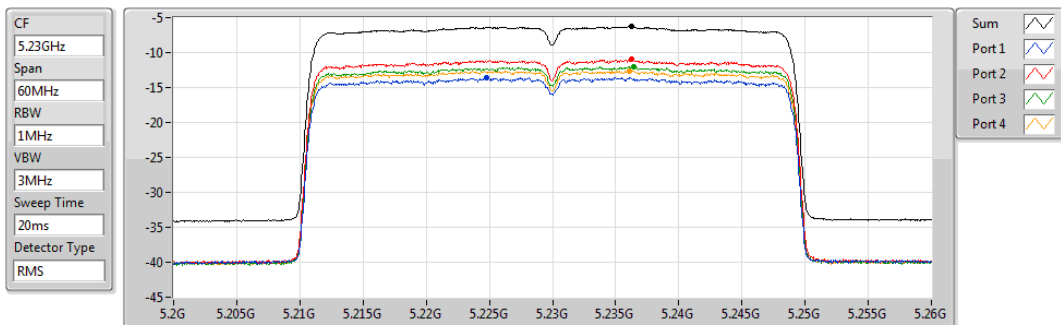
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.29	-6.29	-13.62	-11.06	-12.10	-12.52

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

03/03/2019



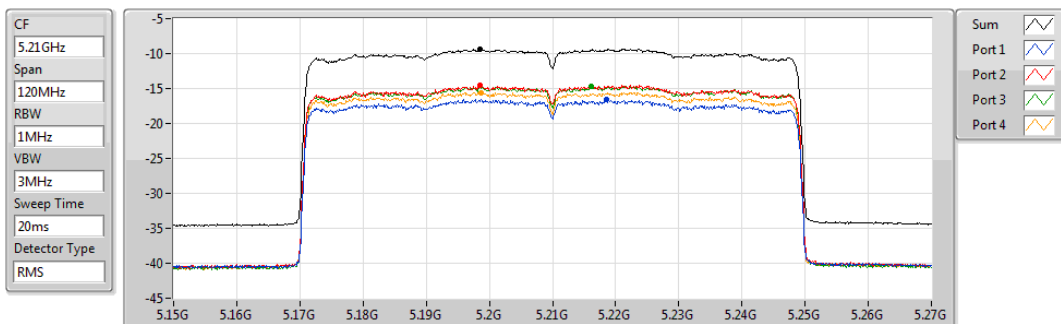
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.25	-6.25	-13.55	-10.99	-12.01	-12.60

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)
-9.34	-9.34	-16.54	-14.50	-14.71	-15.55

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	2.67
802.11ax HEW40_Nss4,(MCS0)_4TX	-0.10
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.28

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



PSD Result_Radio 2

Appendix D.50

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	-4.68	-2.75	-3.59	-3.63	2.27	17.00
5200MHz	Pass	3.00	-4.65	-2.67	-3.52	-3.66	2.33	17.00
5240MHz	Pass	3.00	-4.41	-2.38	-3.29	-3.01	2.67	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.00	-7.53	-5.94	-6.27	-6.79	-0.73	17.00
5230MHz	Pass	3.00	-6.67	-5.41	-5.64	-6.15	-0.10	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.00	-9.95	-8.50	-8.87	-9.65	-3.28	17.00

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

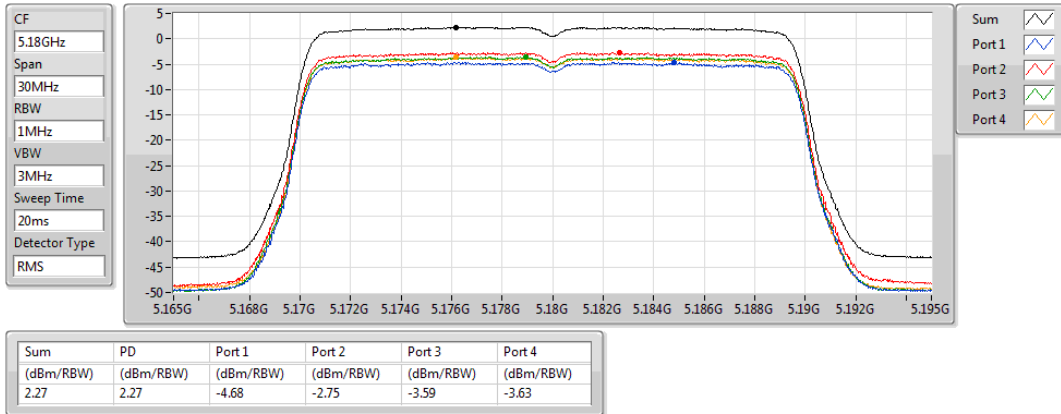
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

03/03/2019

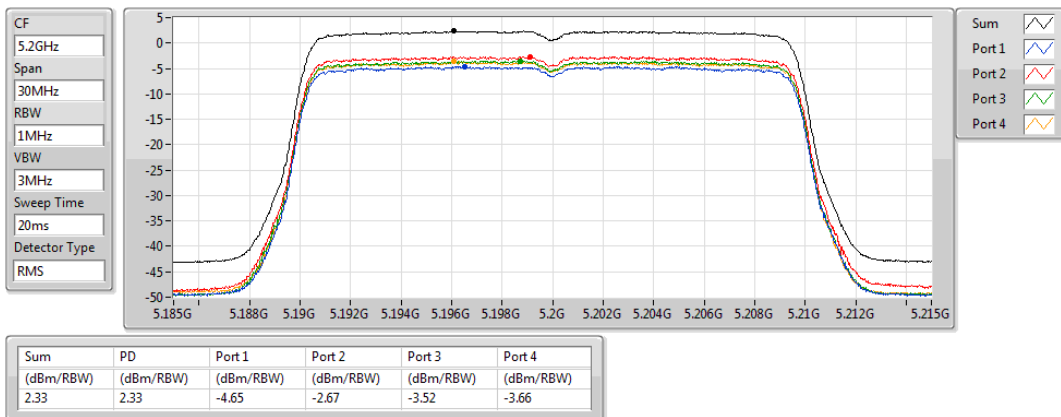


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

03/03/2019

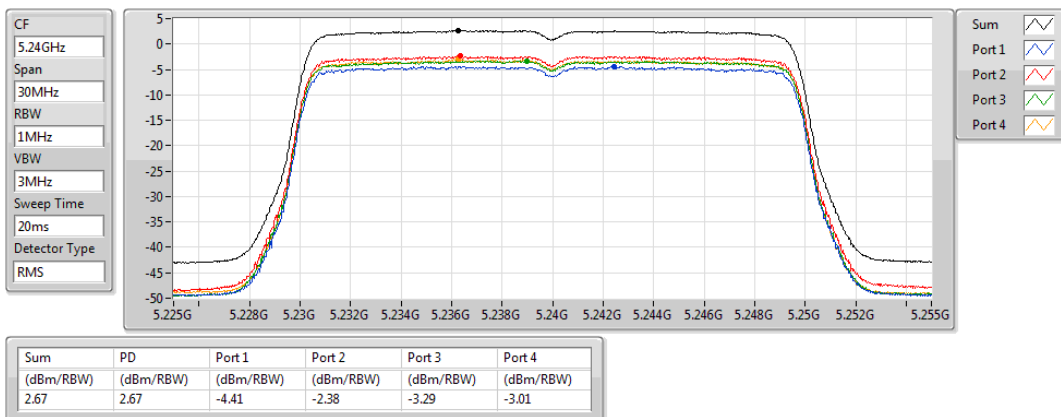


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

03/03/2019

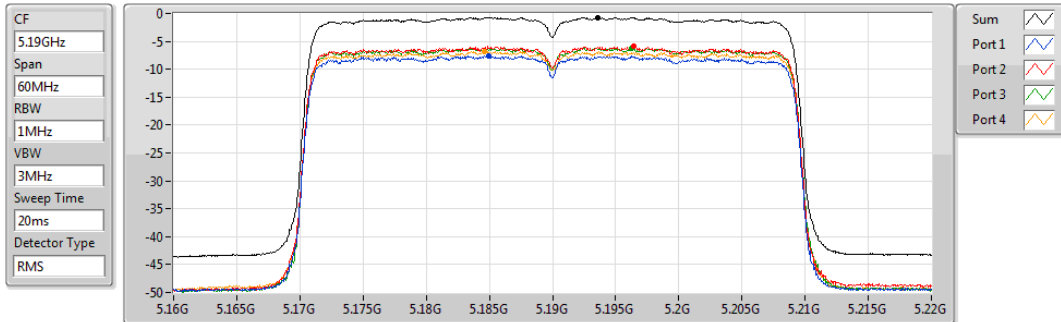


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

03/03/2019



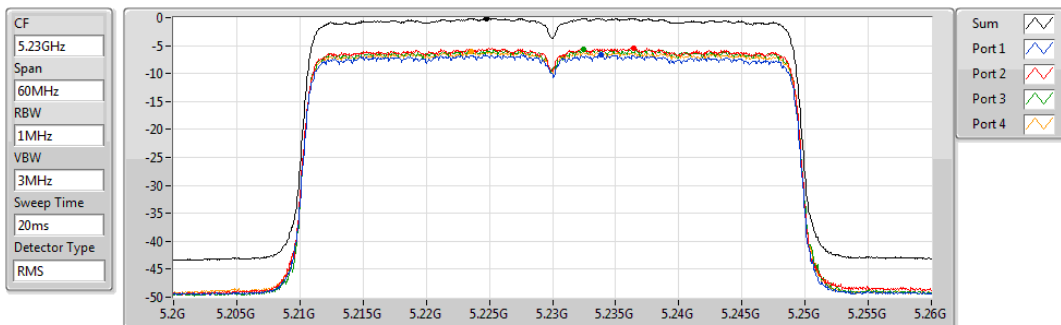
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.73	-0.73	-7.53	-5.94	-6.27	-6.79

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

03/03/2019



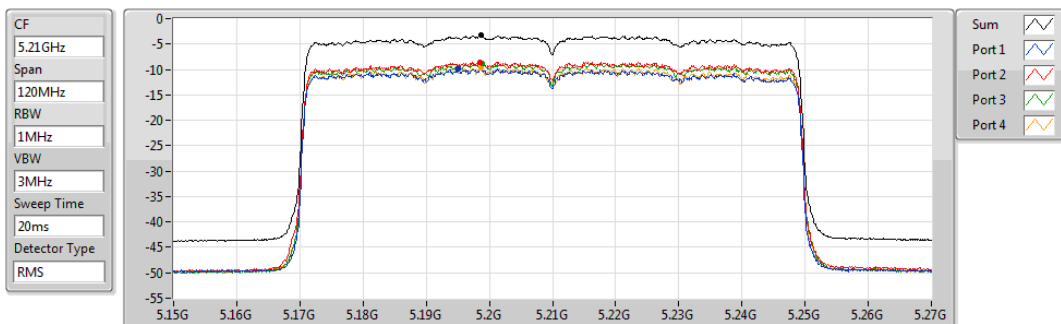
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.10	-0.10	-6.67	-5.41	-5.64	-6.15

802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

03/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.28	-3.28	-9.95	-8.50	-8.87	-9.65

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	6.21
802.11ax HEW20_Nss1,(MCS0)_1TX	5.94
802.11ax HEW40_Nss1,(MCS0)_1TX	3.06
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.54

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	4.56	4.56	17.00
5200MHz	Pass	6.00	5.98	5.98	17.00
5240MHz	Pass	6.00	6.21	6.21	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	3.17	3.17	17.00
5200MHz	Pass	6.00	5.92	5.92	17.00
5240MHz	Pass	6.00	5.94	5.94	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.00	-0.71	-0.71	17.00
5230MHz	Pass	6.00	3.06	3.06	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.00	-3.54	-3.54	17.00

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

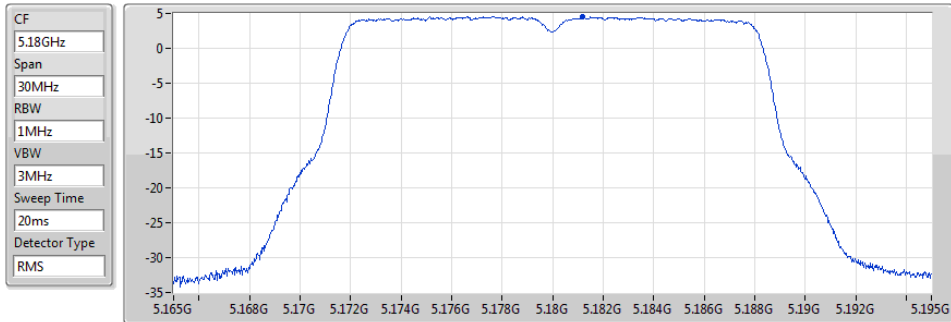
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

24/01/2019



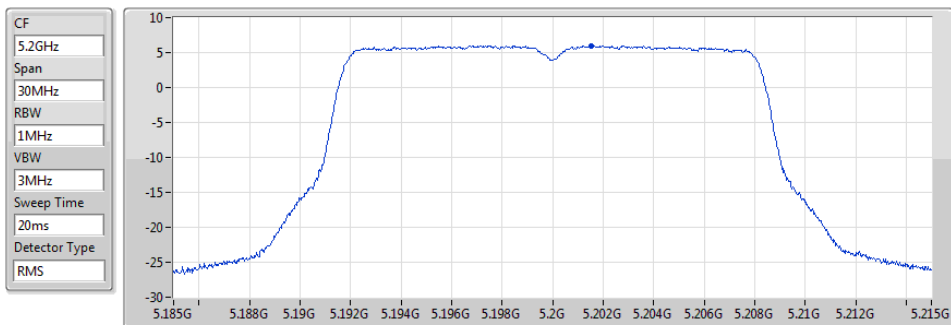
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	4.56

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

24/01/2019



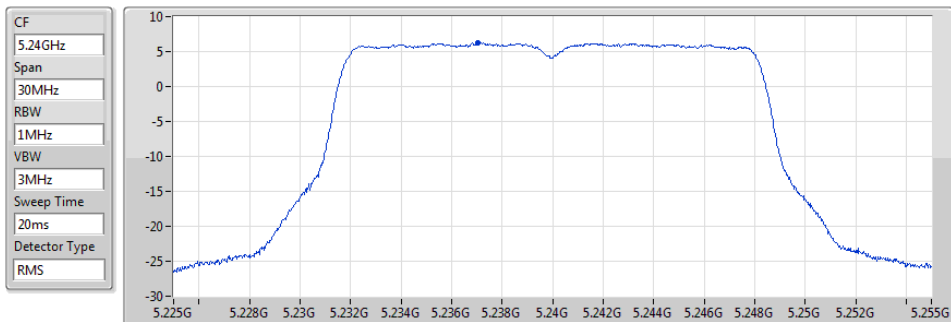
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.98	5.98	5.98

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

24/01/2019



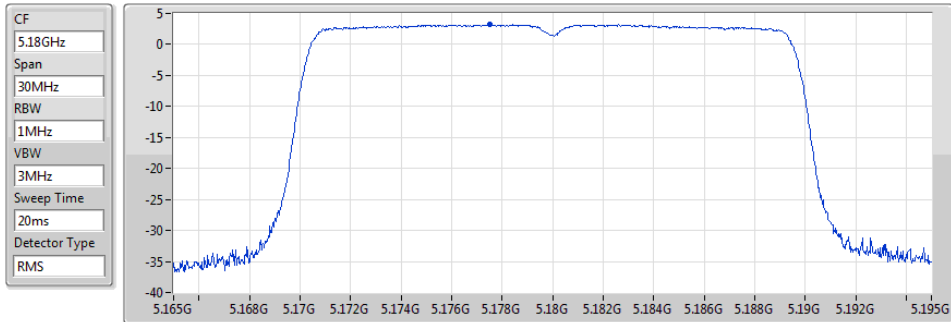
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

24/01/2019



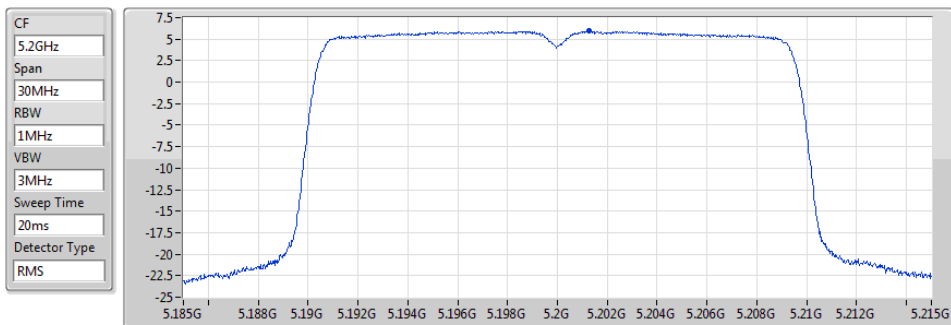
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.17	3.17	3.17

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

24/01/2019



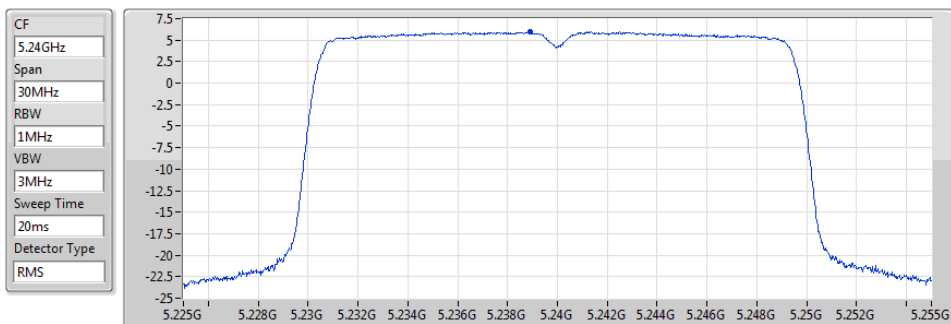
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.92	5.92	5.92

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

24/01/2019



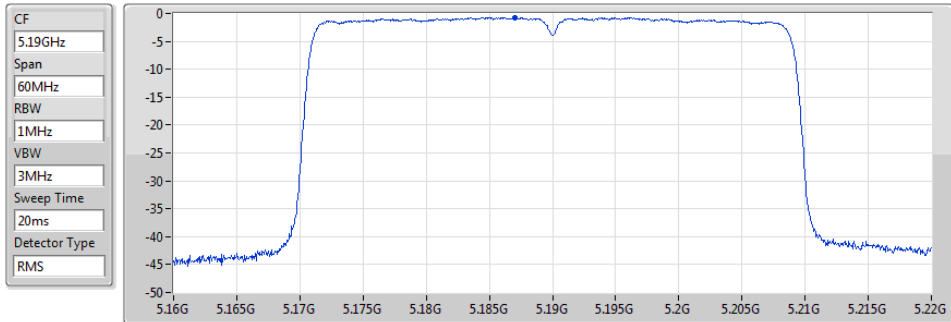
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.94	5.94	5.94

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

24/01/2019



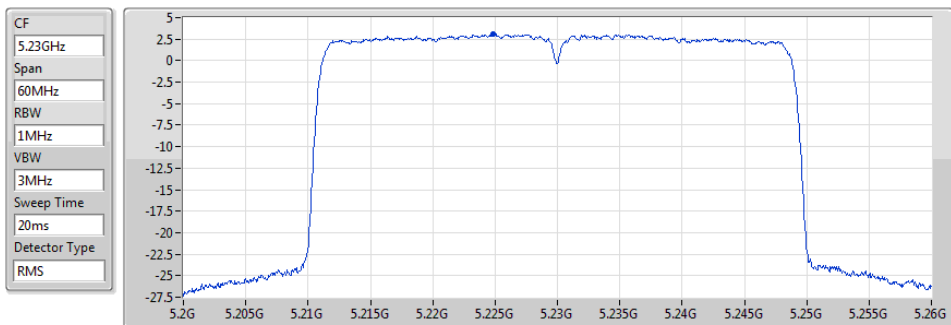
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.71	-0.71	-0.71

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

24/01/2019



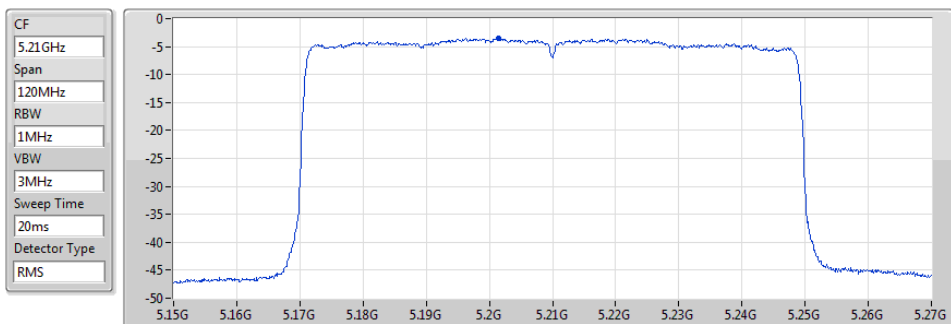
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.06	3.06	3.06

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

24/01/2019



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.54	-3.54	-3.54



PSD Result_Radio 2

Appendix D.52

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.20
802.11ax HEW40_Nss2,(MCS0)_2TX	5.32
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.25

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	0.81	1.71	4.25	17.00
5200MHz	Pass	6.00	5.80	5.92	8.80	17.00
5240MHz	Pass	6.00	6.26	6.24	9.20	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.00	-2.59	-2.22	0.54	17.00
5230MHz	Pass	6.00	2.30	2.32	5.32	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.00	-6.38	-5.93	-3.25	17.00

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

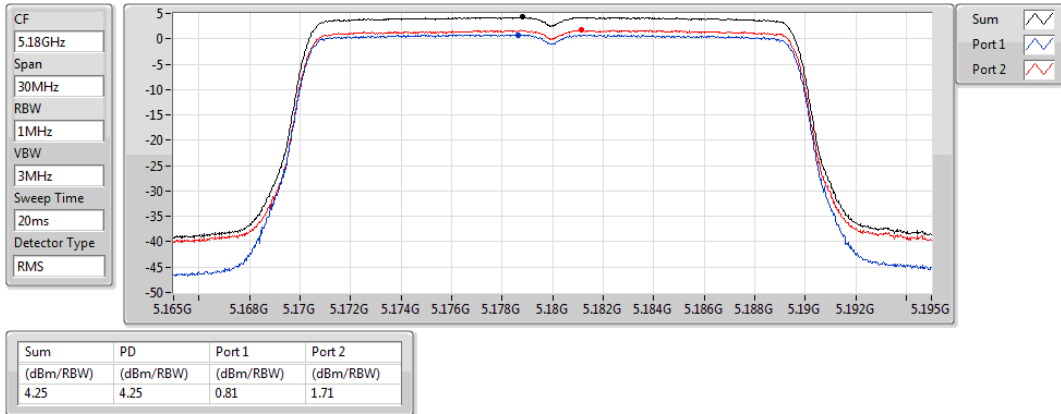
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

24/01/2019

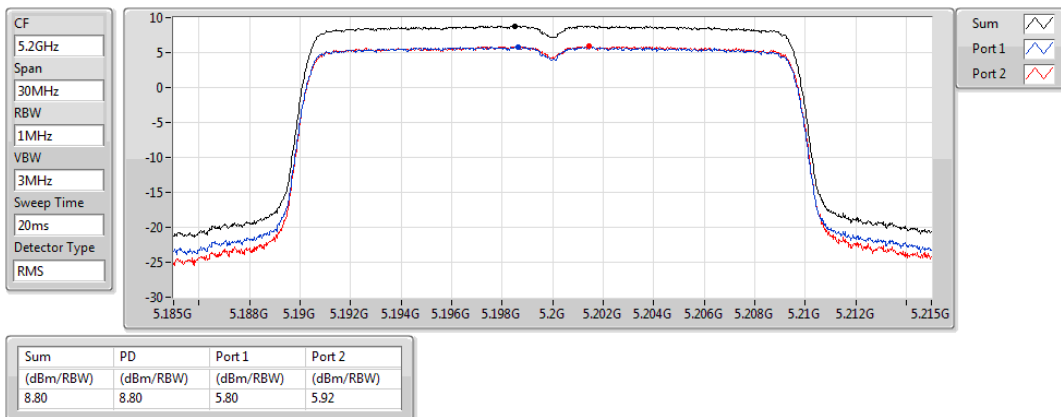


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

24/01/2019

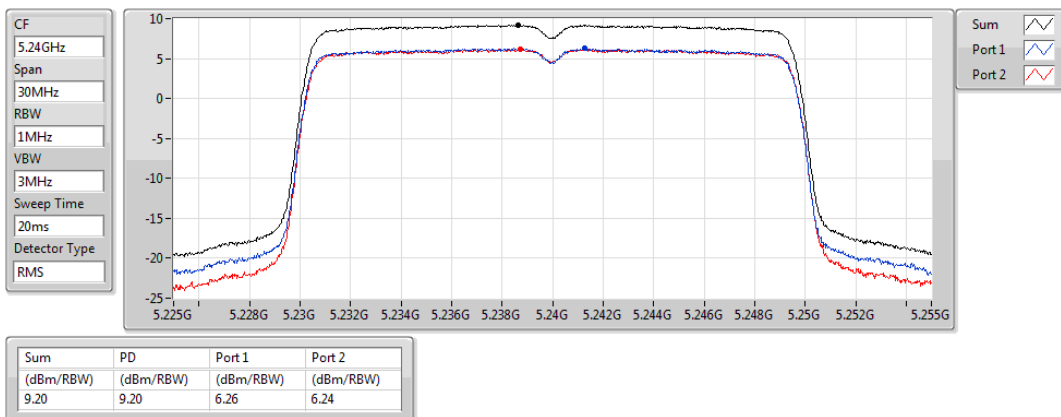


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

24/01/2019

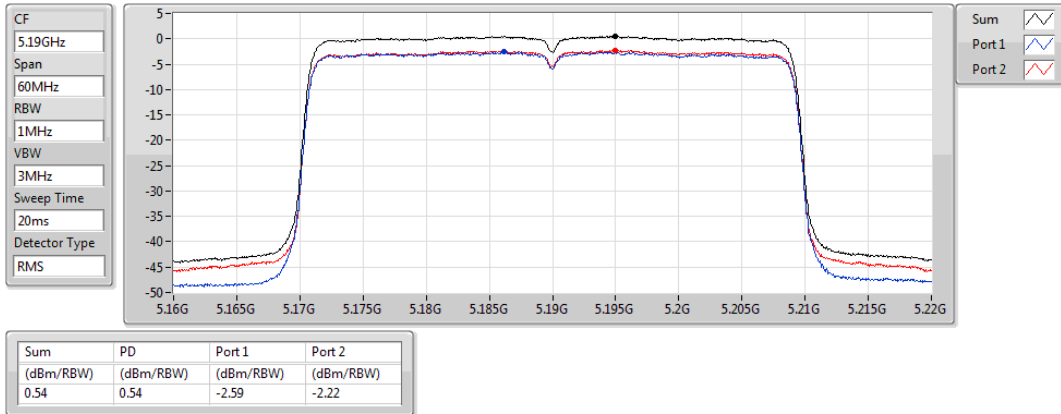


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

24/01/2019

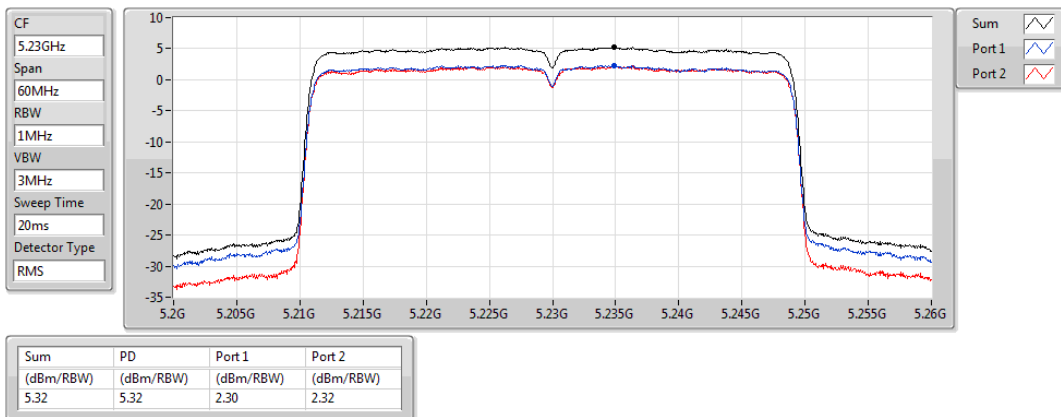


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

24/01/2019

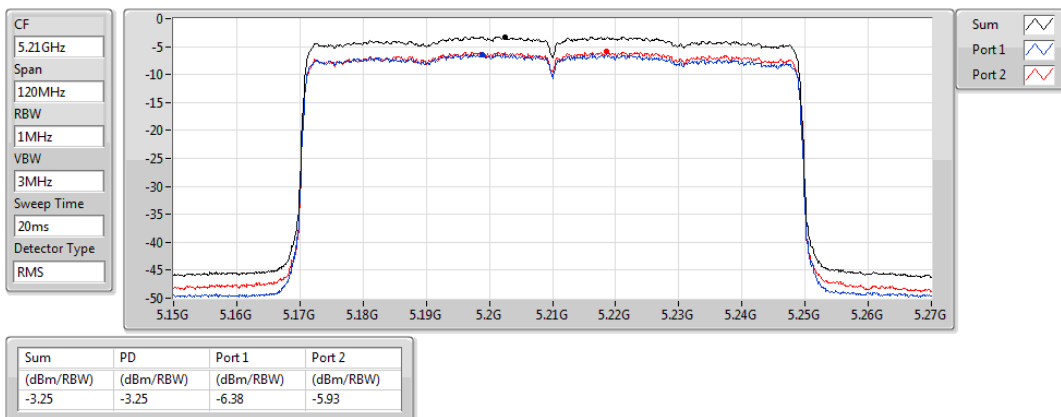


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

24/01/2019



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.86
802.11ax HEW20_Nss1,(MCS0)_4TX	10.76
802.11ax HEW40_Nss1,(MCS0)_4TX	6.17
802.11ax HEW80_Nss1,(MCS0)_4TX	-2.78

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	-0.22	0.50	0.38	0.62	6.22	10.98
5200MHz	Pass	12.02	4.59	5.22	5.10	4.88	10.86	10.98
5240MHz	Pass	12.02	4.67	4.93	4.87	5.02	10.80	10.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	-0.47	-0.01	-0.27	-0.13	5.70	10.98
5200MHz	Pass	12.02	4.05	4.46	4.32	4.45	10.27	10.98
5240MHz	Pass	12.02	4.47	4.99	4.87	4.85	10.76	10.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-6.25	-5.28	-5.31	-6.36	0.21	10.98
5230MHz	Pass	12.02	0.11	0.36	0.41	-0.07	6.17	10.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-9.23	-8.34	-8.28	-8.87	-2.78	10.98

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

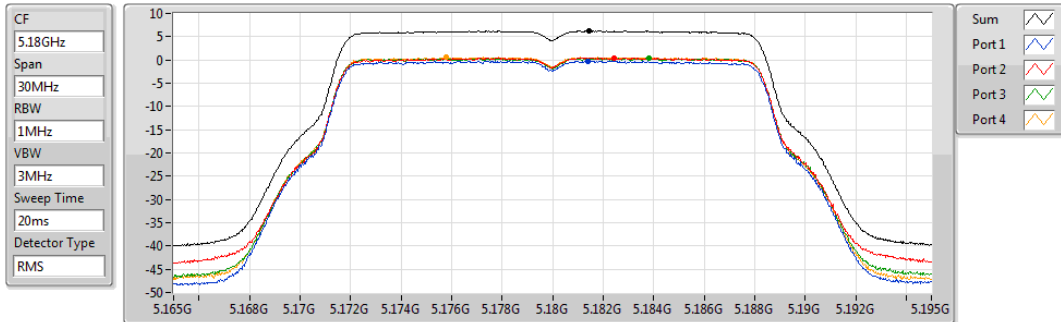
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

24/01/2019



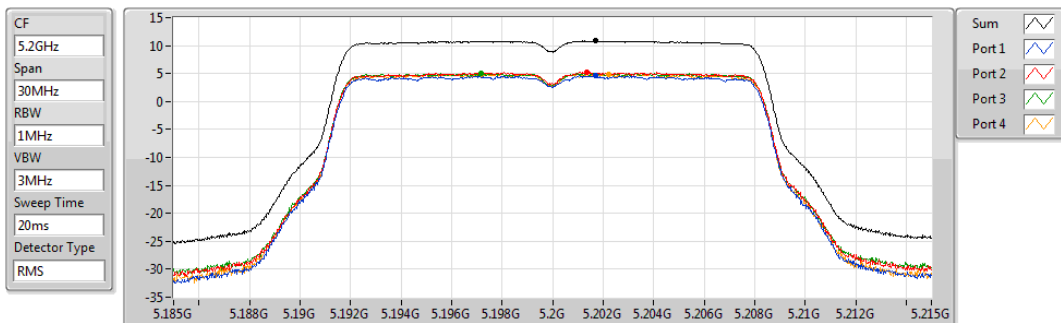
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.22	6.22	-0.22	0.50	0.38	0.62

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

24/01/2019



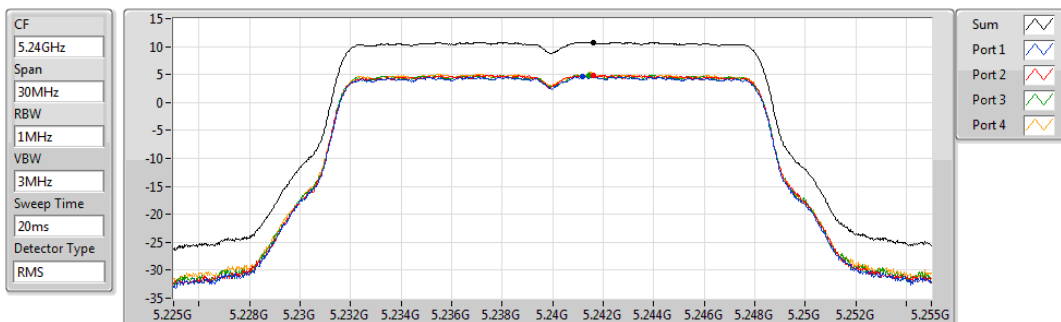
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	4.59	5.22	5.10	4.88

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

24/01/2019



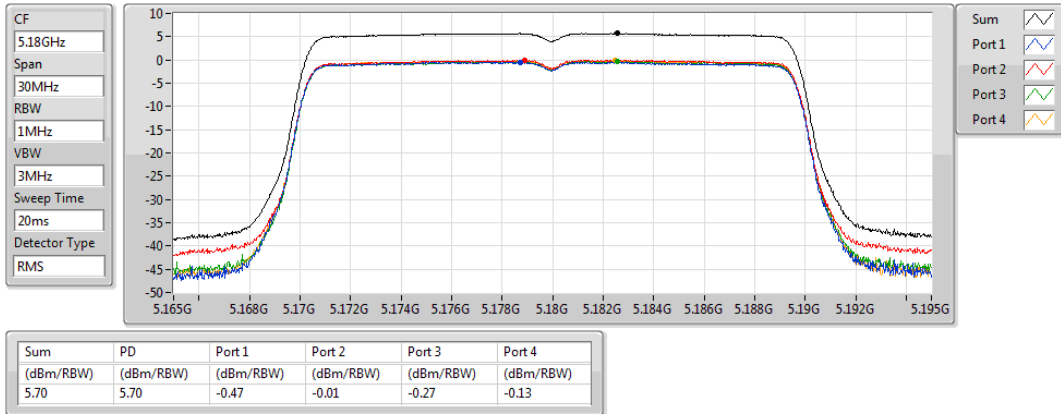
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.67	4.93	4.87	5.02

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

24/01/2019

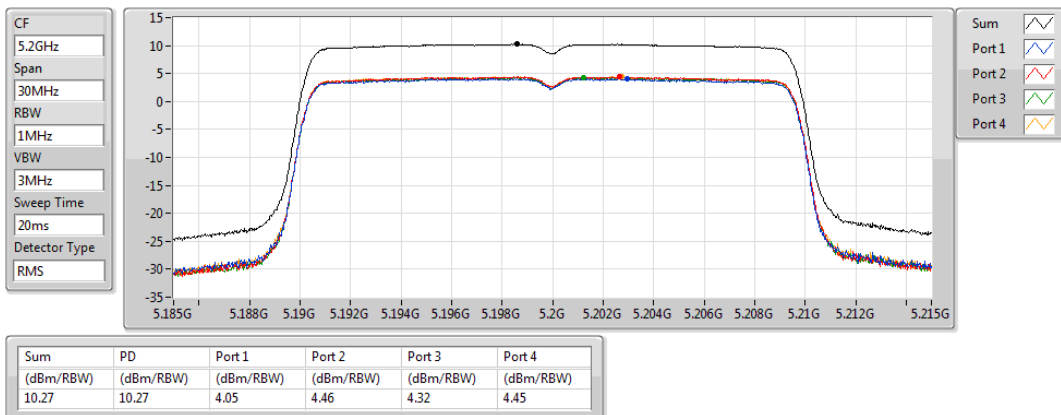


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

24/01/2019

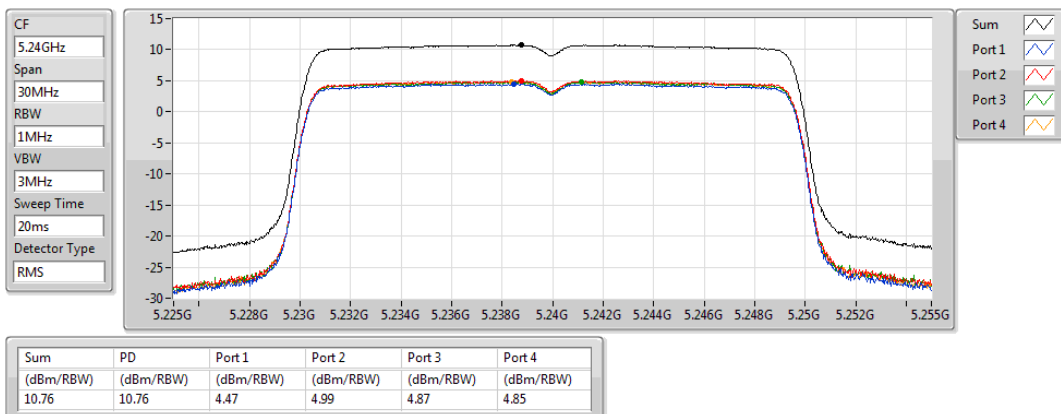


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

24/01/2019

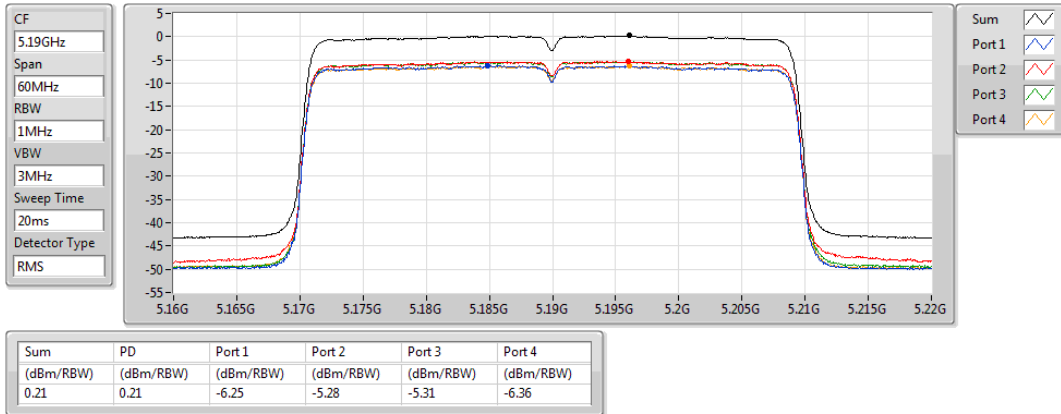


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

24/01/2019

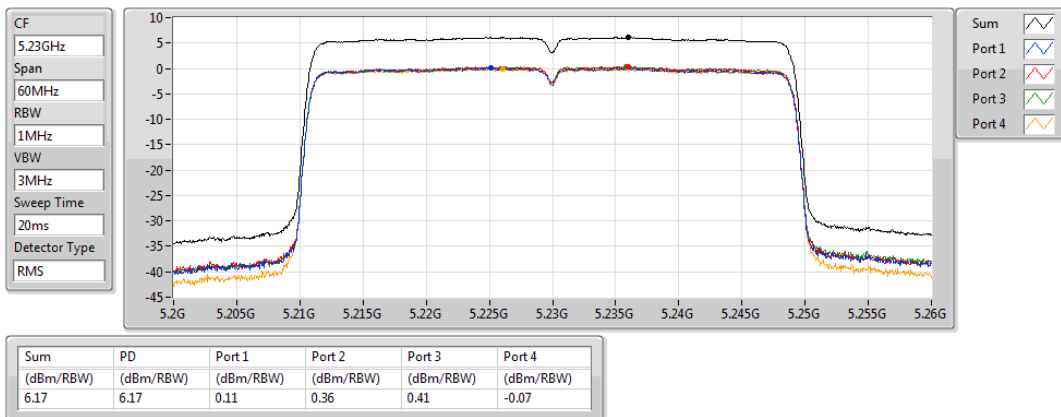


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

24/01/2019

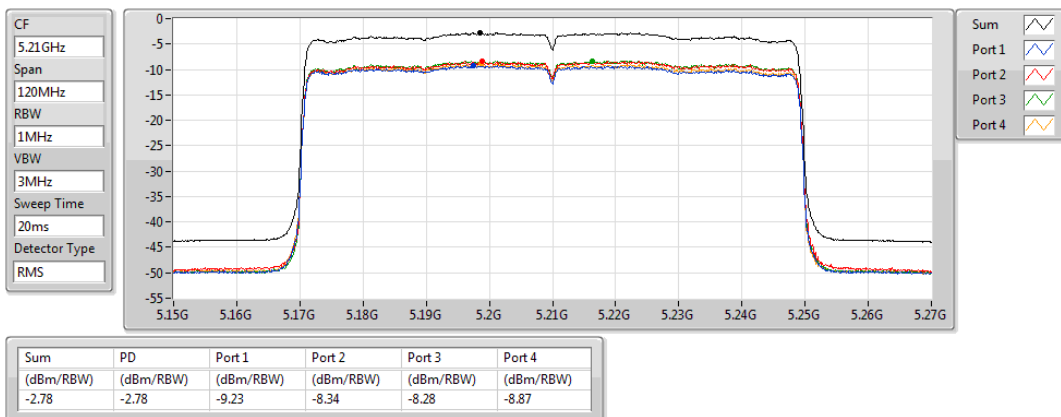


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

24/01/2019





PSD Result_Radio 2

Appendix D.54

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.63
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.50

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



PSD Result_Radio 2

Appendix D.54

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	1.08	1.85	1.91	2.71	7.88	10.98
5200MHz	Pass	12.02	0.70	1.66	1.98	2.33	7.63	10.98
5240MHz	Pass	12.02	1.06	1.34	1.84	2.69	7.71	10.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.02	-3.10	-1.97	-2.27	-2.68	3.45	10.98
5230MHz	Pass	12.02	-1.61	-1.08	-1.20	-1.21	4.63	10.98
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.02	-6.24	-5.10	-5.00	-5.45	0.50	10.98

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

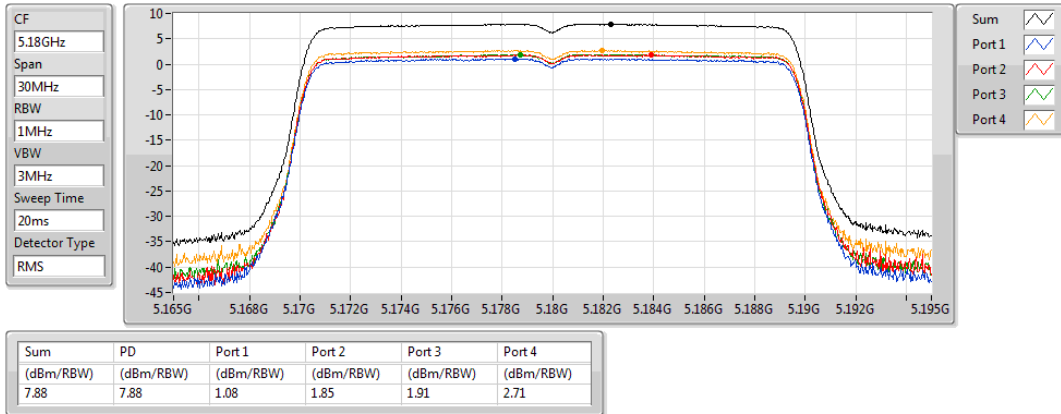
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

26/01/2019

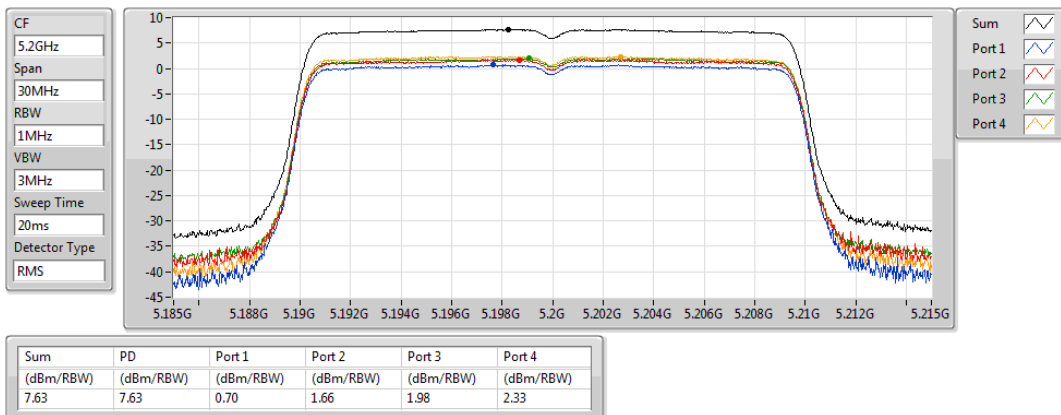


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

04/03/2019

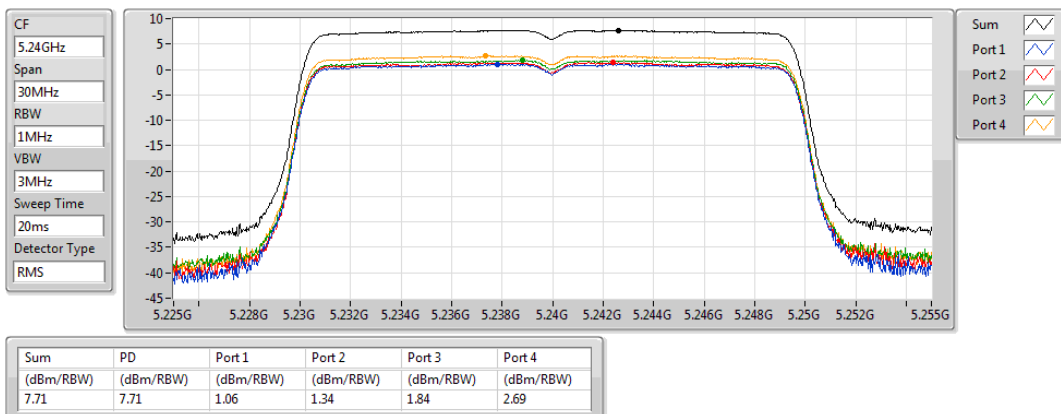


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

04/03/2019

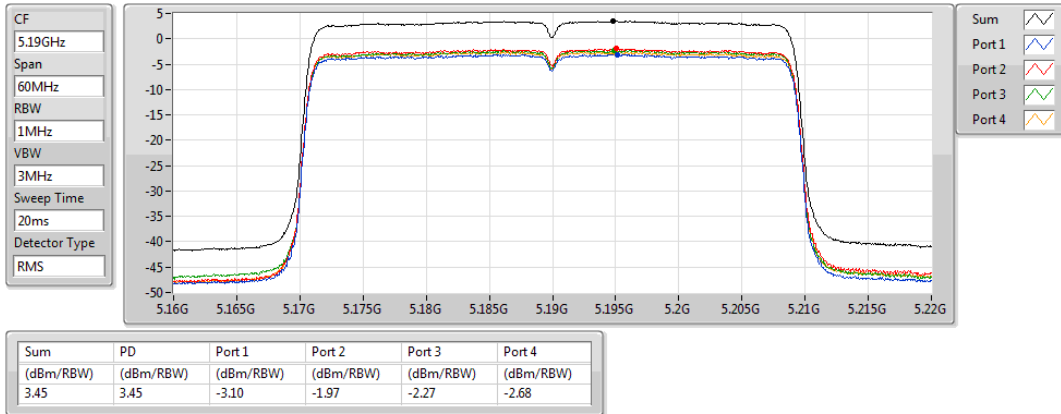


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

26/01/2019

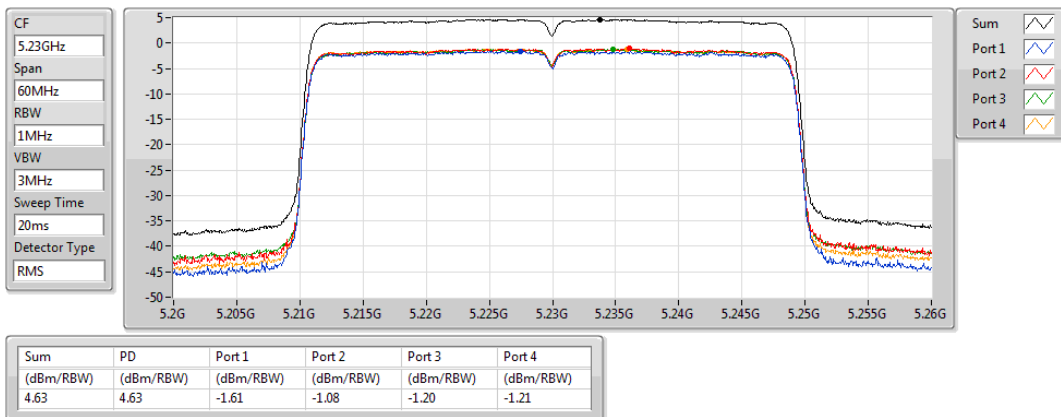


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

04/03/2019

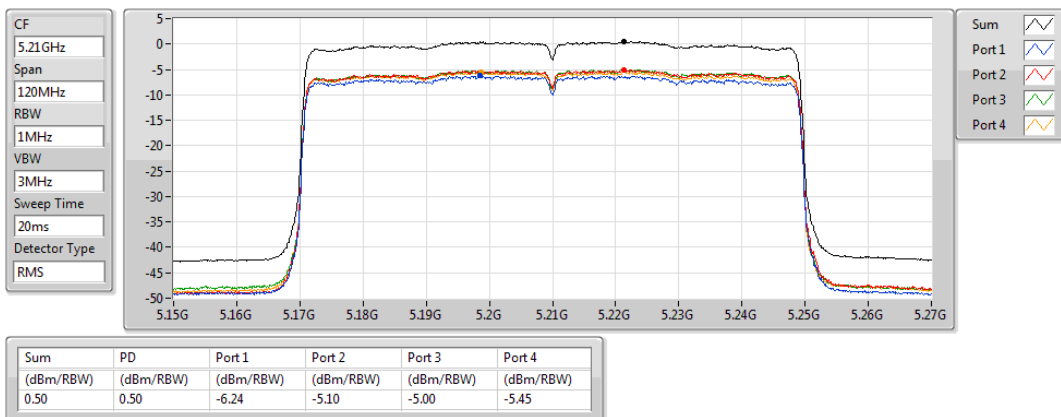


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

26/01/2019





PSD Result_Radio 2

Appendix D.55

For Non-beamforming / 4T4S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.86
802.11ax HEW40_Nss4,(MCS0)_4TX	6.37
802.11ax HEW80_Nss4,(MCS0)_4TX	-2.29

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



PSD Result_Radio 2

Appendix D.55

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	-0.00	0.43	0.45	0.75	6.31	17.00
5200MHz	Pass	6.00	4.26	4.37	4.65	4.66	10.33	17.00
5240MHz	Pass	6.00	5.91	5.79	5.98	6.07	11.86	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.00	-6.14	-5.16	-5.38	-5.76	0.29	17.00
5230MHz	Pass	6.00	0.42	0.41	0.85	0.39	6.37	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.00	-8.63	-7.85	-7.47	-8.67	-2.29	17.00

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

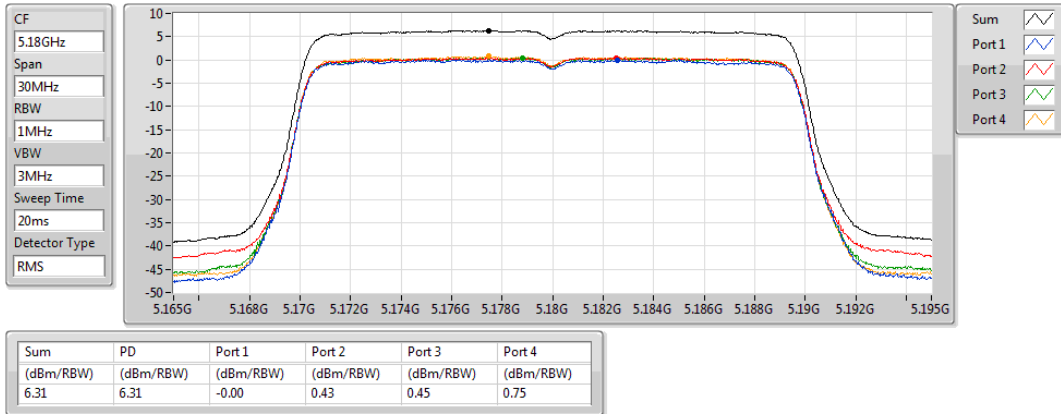
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

24/01/2019

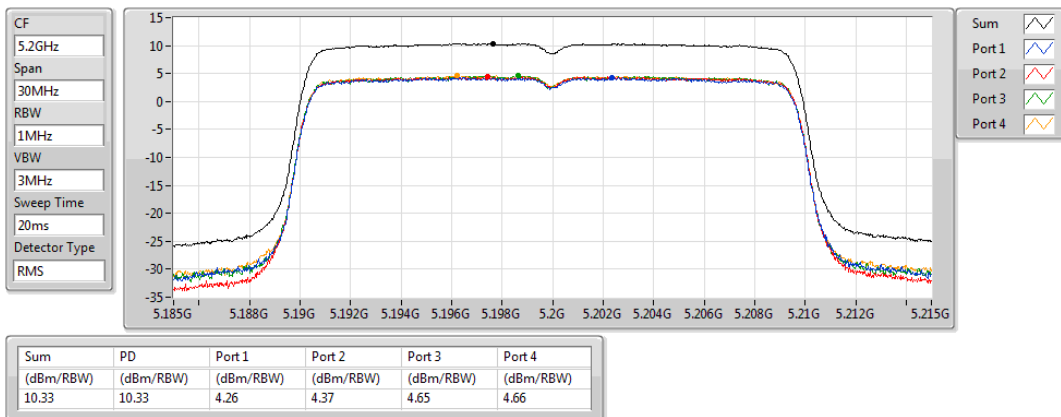


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

24/01/2019

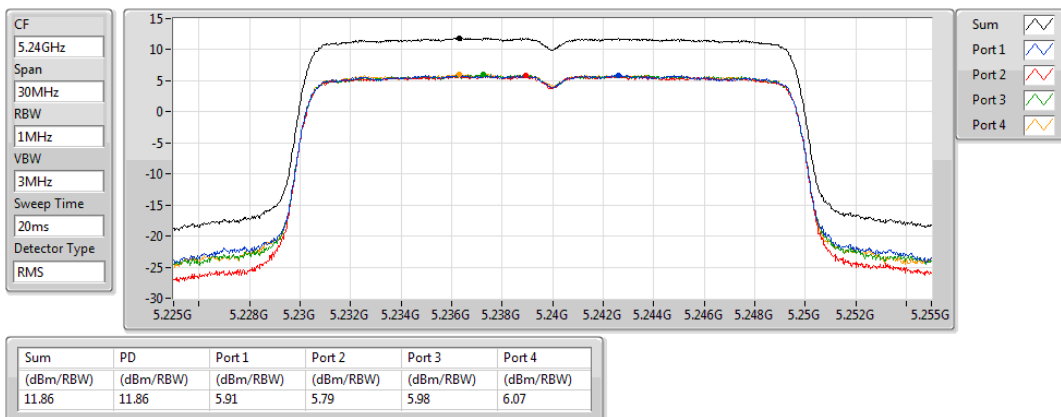


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

24/01/2019

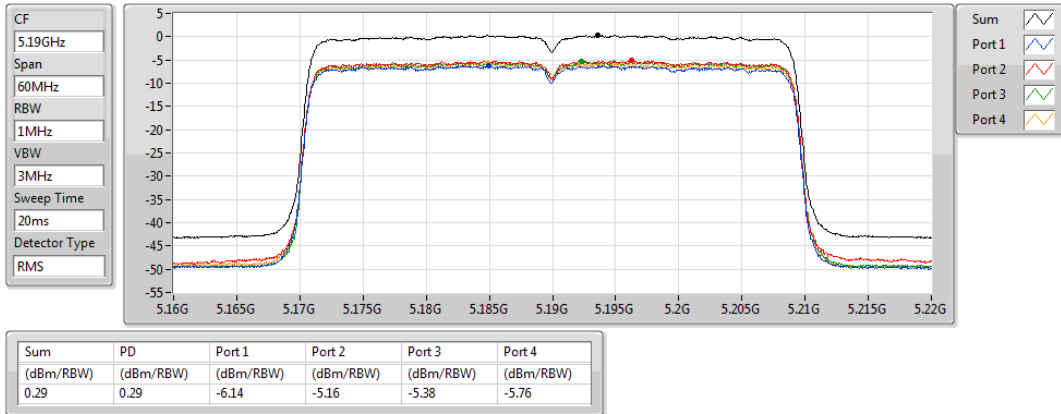


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

24/01/2019

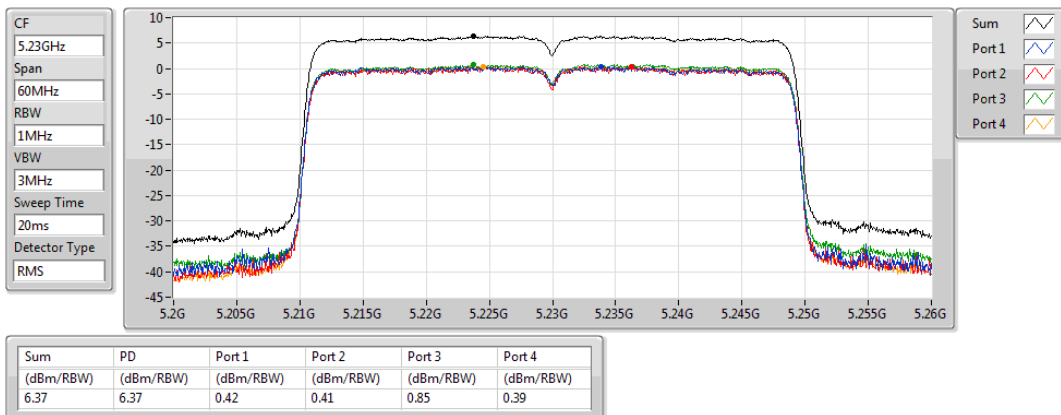


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

24/01/2019

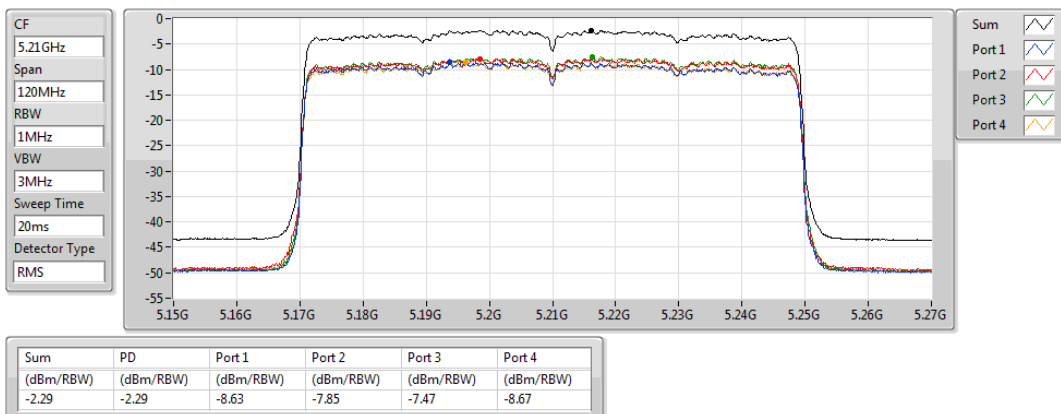


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5210MHz

24/01/2019



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	0.40
802.11ax HEW20_Nss1,(MCS0)_1TX	-0.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-3.03
802.11ax HEW80_Nss1,(MCS0)_1TX	-5.63

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	0.22	0.22	14.30
5200MHz	Pass	8.70	0.23	0.23	14.30
5240MHz	Pass	8.70	0.40	0.40	14.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	-0.43	-0.43	14.30
5200MHz	Pass	8.70	-0.45	-0.45	14.30
5240MHz	Pass	8.70	-0.30	-0.30	14.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	8.70	-3.05	-3.05	14.30
5230MHz	Pass	8.70	-3.03	-3.03	14.30
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	8.70	-5.63	-5.63	14.30

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

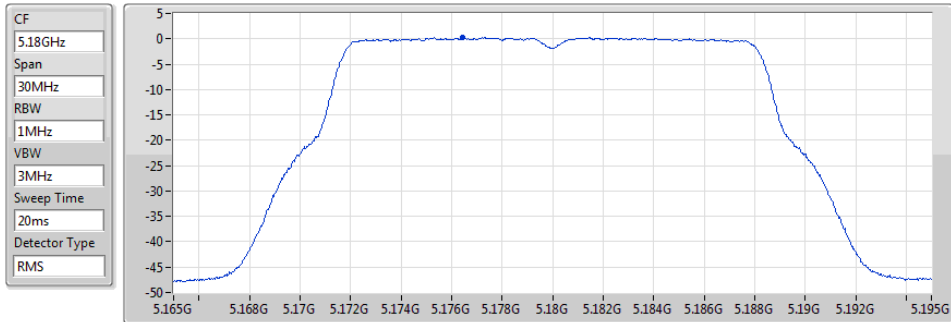
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

02/03/2019



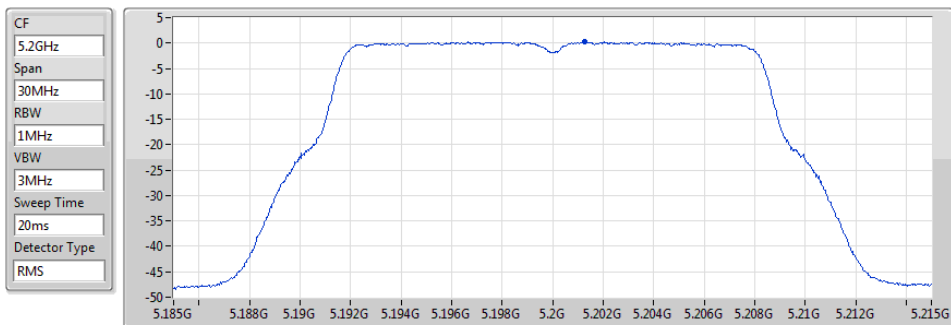
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.22	0.22	0.22

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

02/03/2019



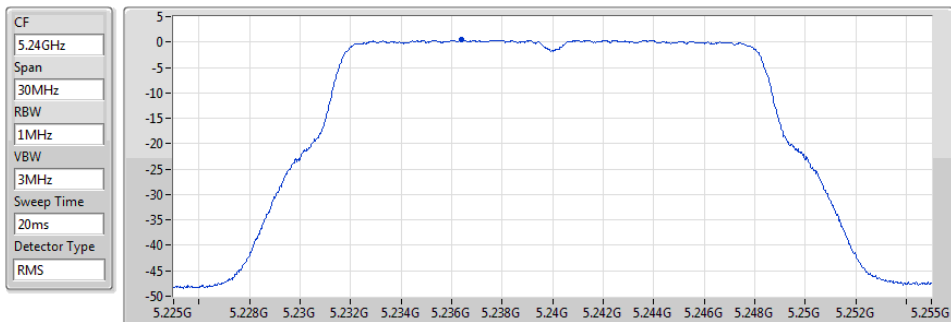
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.23	0.23	0.23

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

02/03/2019



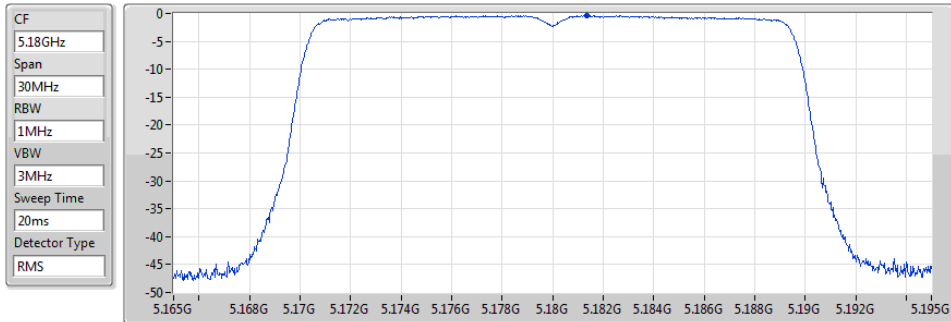
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.40	0.40	0.40

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

02/03/2019



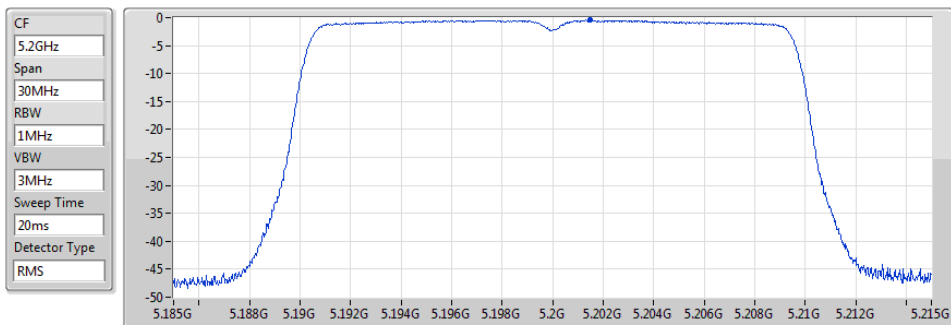
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.43	-0.43	-0.43

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

02/03/2019



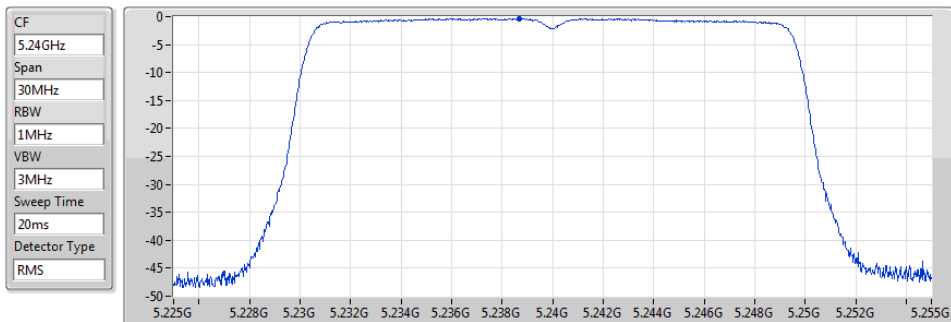
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.45	-0.45	-0.45

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

02/03/2019



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.30	-0.30	-0.30

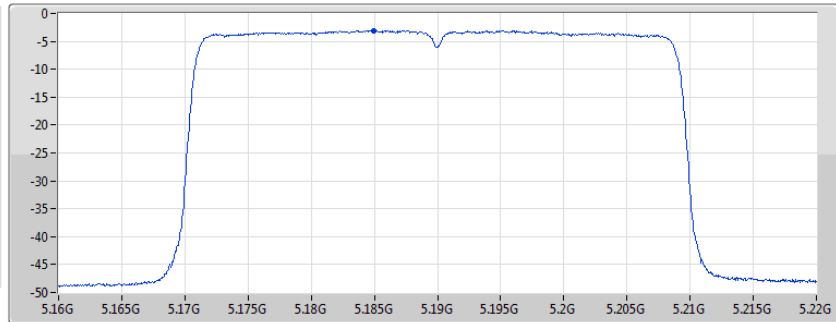
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

02/03/2019

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



Port 1

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

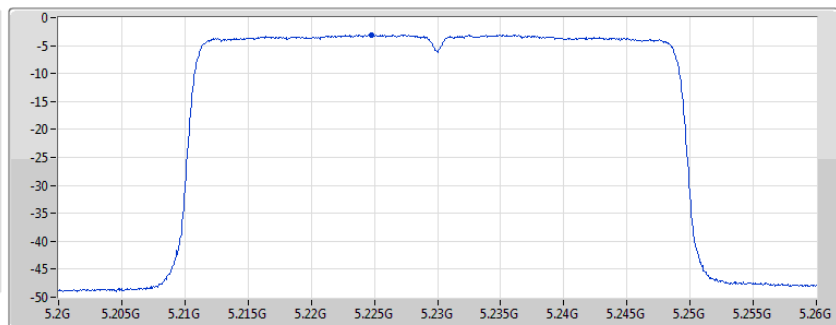
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

02/03/2019

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



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.03	-3.03	-3.03

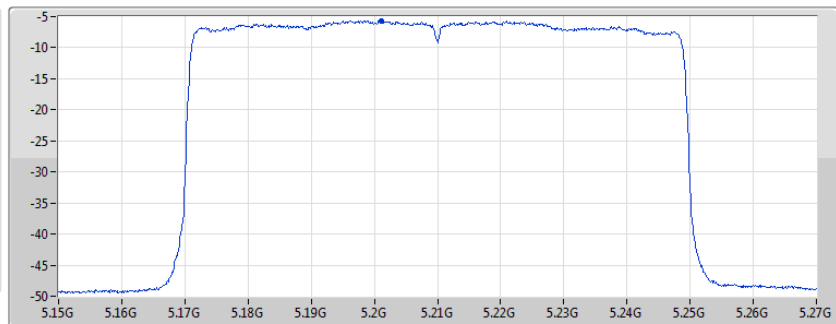
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

02/03/2019

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.63	-5.63	-5.63



PSD Result_Radio 2

Appendix D.57

For Non-beamforming / 2T2S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-0.04
802.11ax HEW40_Nss2,(MCS0)_2TX	-2.97
802.11ax HEW80_Nss2,(MCS0)_2TX	-6.02

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	-4.06	-2.52	-0.25	14.30
5200MHz	Pass	8.70	-4.00	-2.21	-0.04	14.30
5240MHz	Pass	8.70	-3.89	-2.72	-0.31	14.30
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.70	-6.43	-5.47	-2.97	14.30
5230MHz	Pass	8.70	-6.47	-5.45	-2.98	14.30
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.70	-9.68	-8.34	-6.02	14.30

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

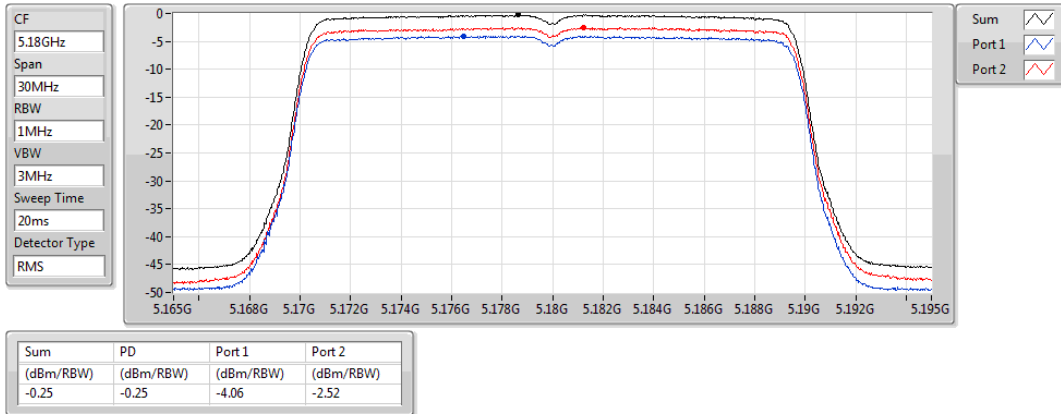
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

02/03/2019

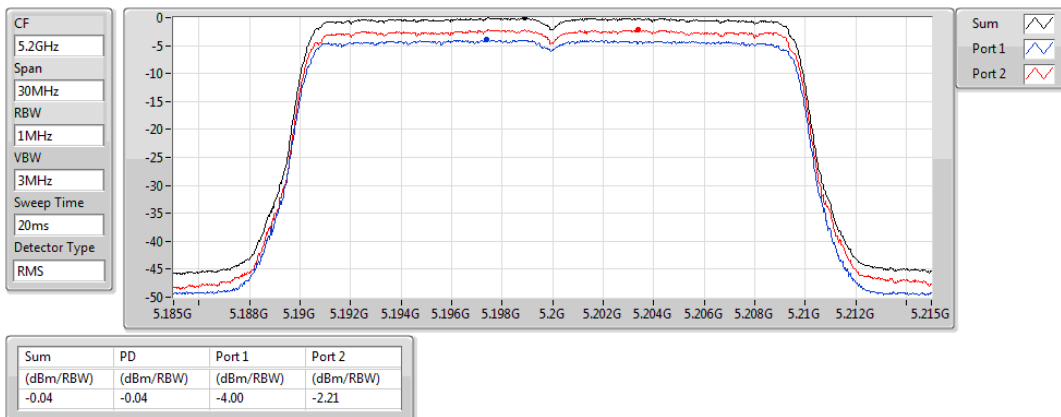


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

02/03/2019

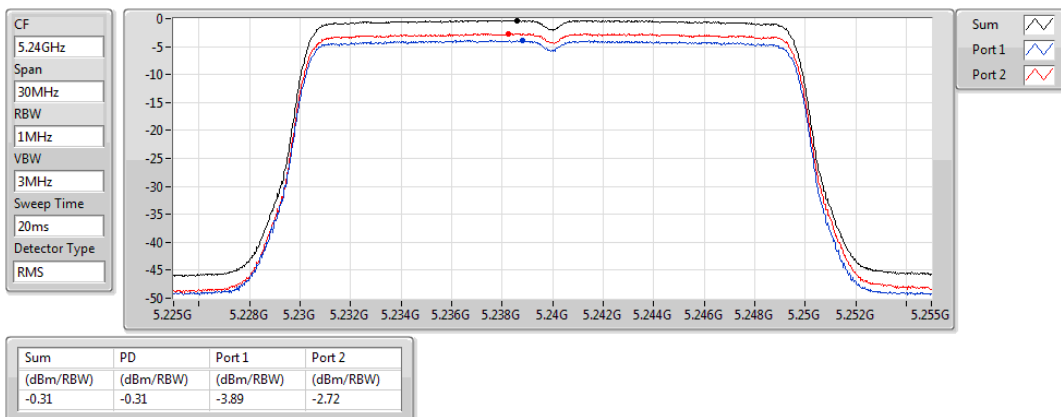


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

02/03/2019

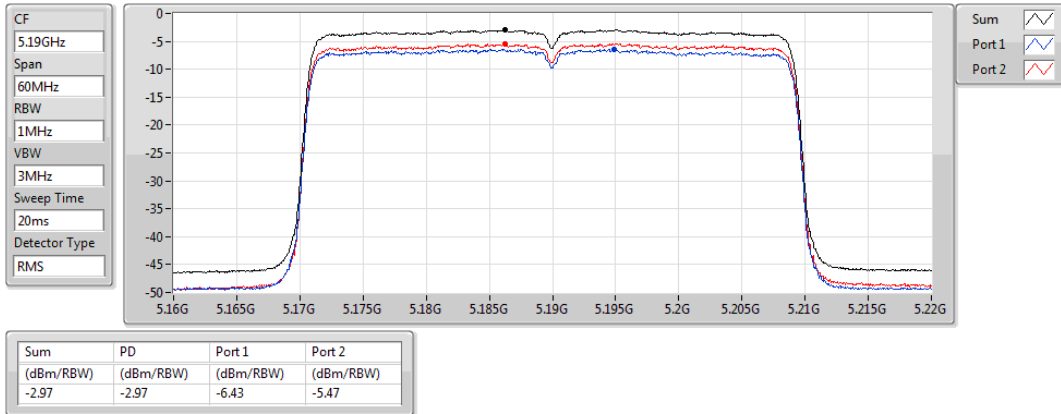


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

02/03/2019

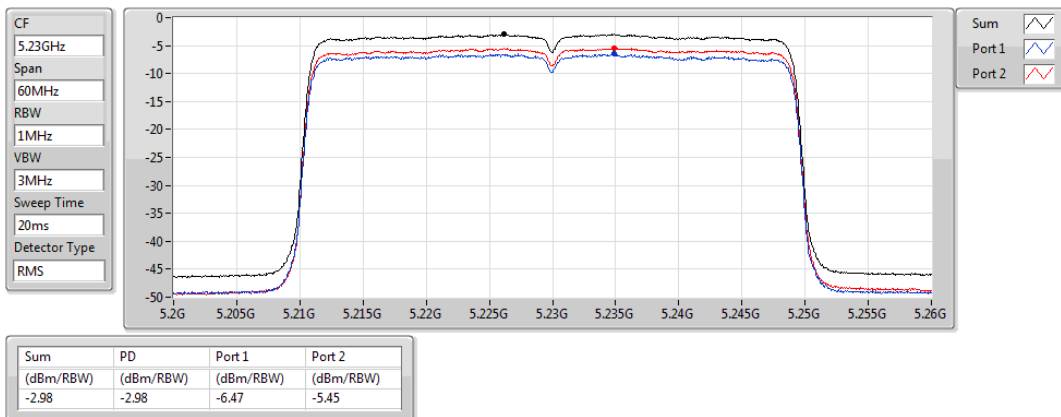


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

02/03/2019

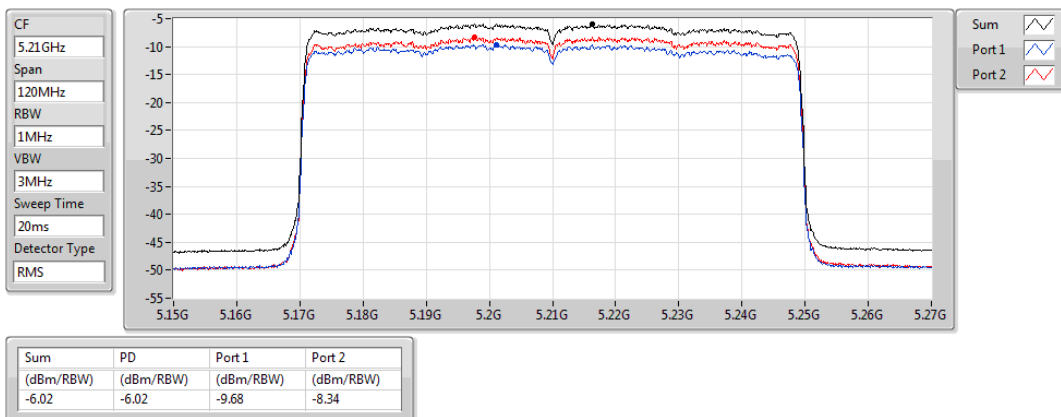


802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

02/03/2019



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	0.24
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.25
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.07
802.11ax HEW80_Nss1,(MCS0)_4TX	-6.07

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



PSD Result_Radio 2

Appendix D.58

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	-6.95	-4.48	-5.73	-6.26	0.15	8.28
5200MHz	Pass	14.72	-6.84	-4.89	-5.64	-5.92	0.19	8.28
5240MHz	Pass	14.72	-6.76	-4.58	-5.60	-5.84	0.24	8.28
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-7.31	-5.39	-6.12	-6.45	-0.32	8.28
5200MHz	Pass	14.72	-7.40	-5.02	-6.15	-6.48	-0.25	8.28
5240MHz	Pass	14.72	-7.43	-5.63	-6.18	-6.78	-0.50	8.28
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-10.22	-8.33	-8.97	-9.41	-3.22	8.28
5230MHz	Pass	14.72	-9.78	-7.91	-8.77	-9.86	-3.07	8.28
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-12.72	-11.38	-11.60	-12.47	-6.07	8.28

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

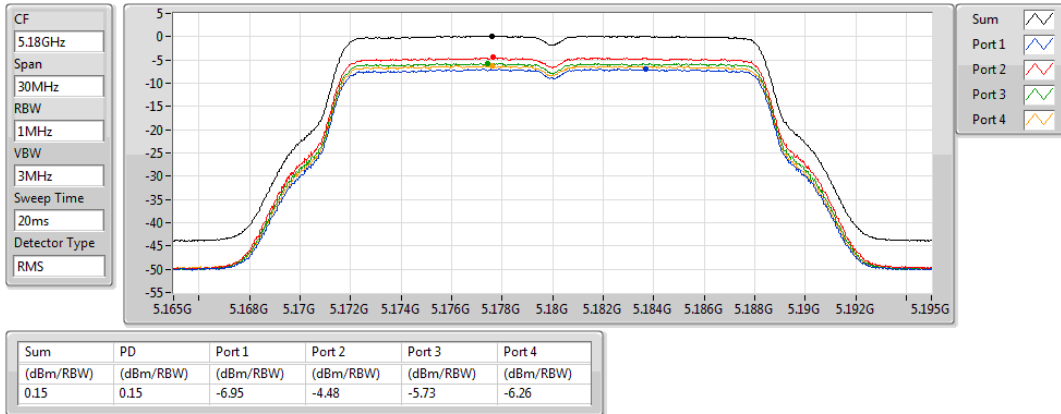
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

02/03/2019

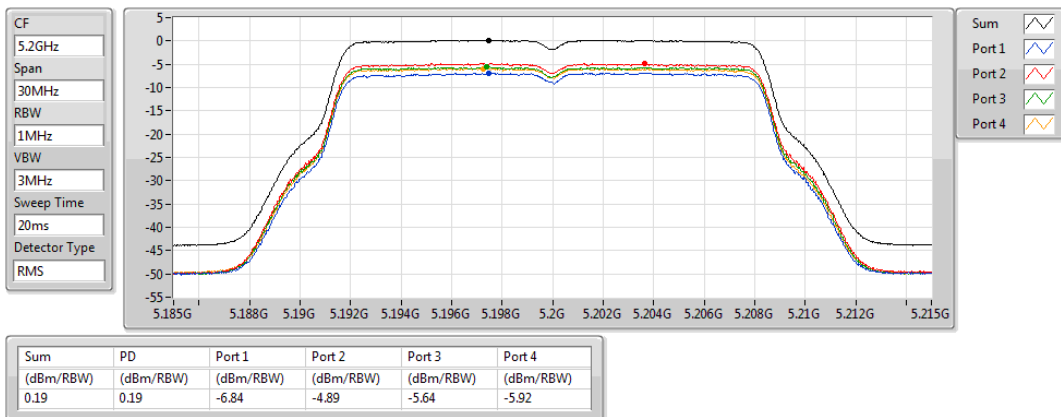


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

02/03/2019

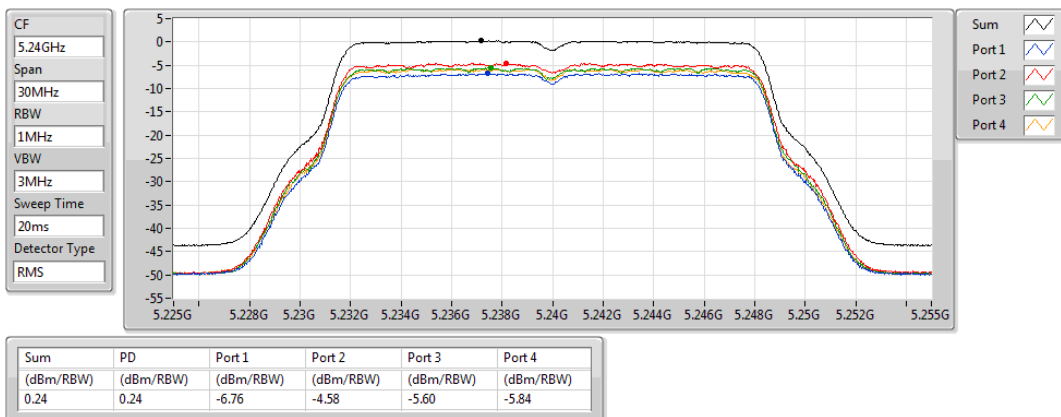


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

02/03/2019

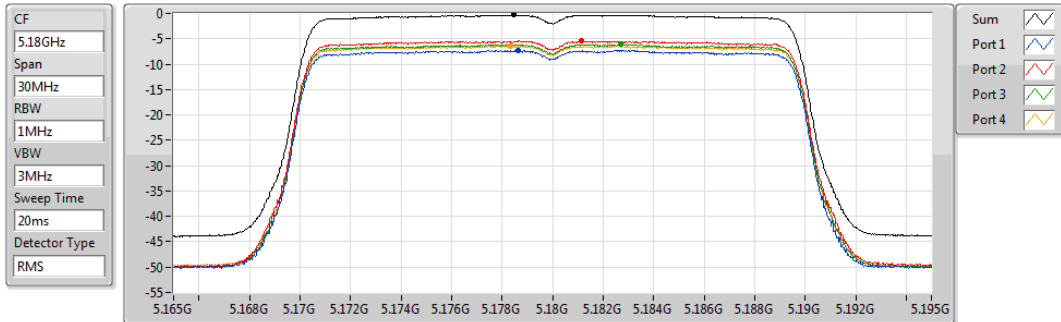


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

02/03/2019



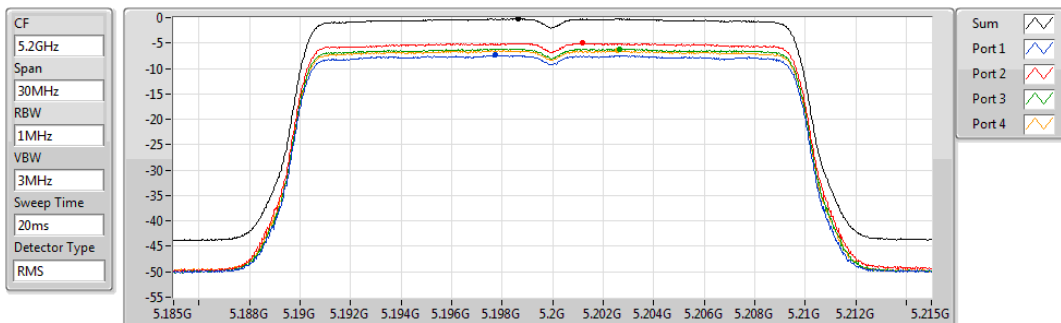
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.32	-0.32	-7.31	-5.39	-6.12	-6.45

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

02/03/2019



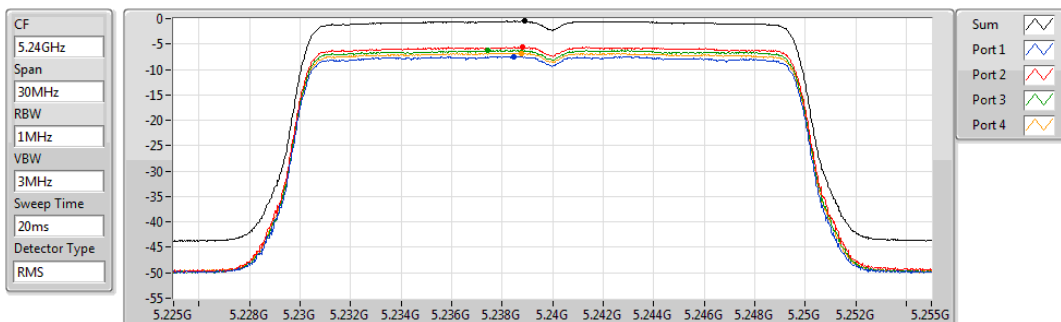
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.25	-0.25	-7.40	-5.02	-6.15	-6.48

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

02/03/2019



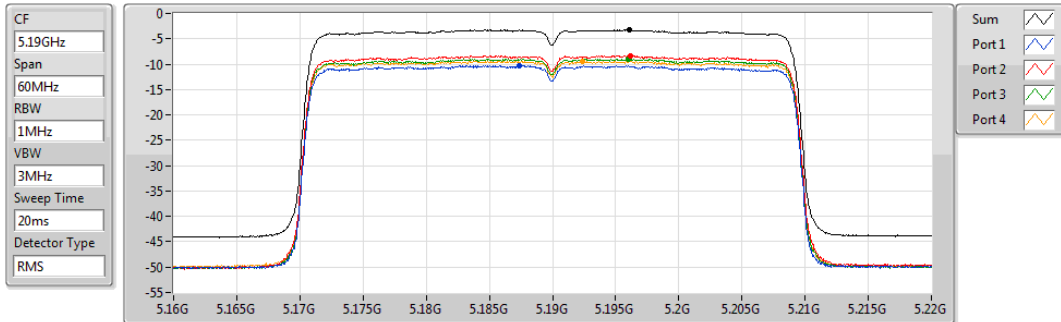
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.50	-0.50	-7.43	-5.63	-6.18	-6.78

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

02/03/2019



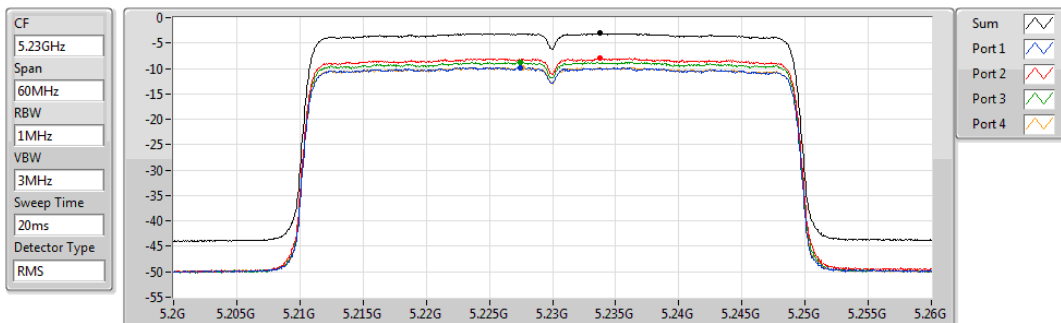
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.22	-3.22	-10.22	-8.33	-8.97	-9.41

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

02/03/2019



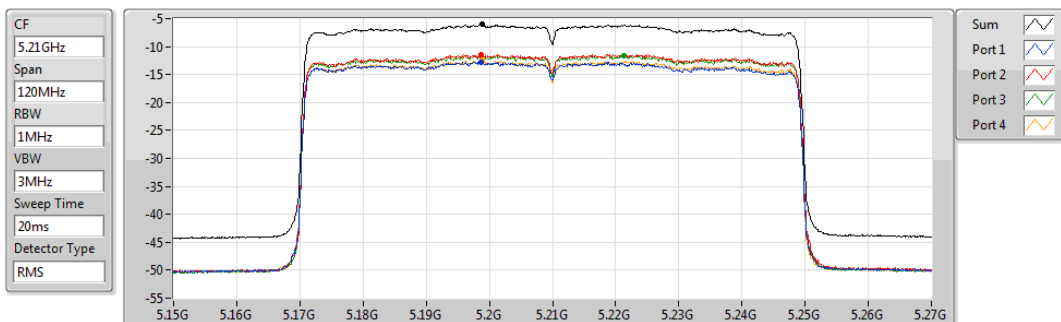
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-9.78	-7.91	-8.77	-9.86

802.11ax HEW80_Nss1,(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)
-6.07	-6.07	-12.72	-11.38	-11.60	-12.47



PSD Result_Radio 2

Appendix D.59

For Beamforming / 4T1S mode Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-5.91
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-9.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-12.28

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-13.90	-11.37	-11.79	-11.35	-6.06	8.28
5200MHz	Pass	14.72	-13.73	-11.26	-11.56	-11.33	-5.91	8.28
5240MHz	Pass	14.72	-13.97	-11.06	-11.86	-11.22	-5.94	8.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.72	-16.40	-14.25	-14.81	-15.74	-9.28	8.28
5230MHz	Pass	14.72	-16.25	-14.21	-14.53	-15.07	-9.01	8.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.72	-19.58	-17.67	-17.82	-18.15	-12.28	8.28

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

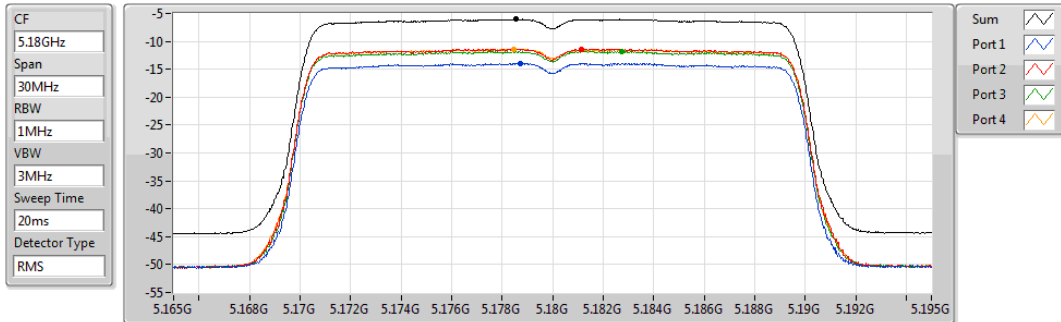
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

01/03/2019

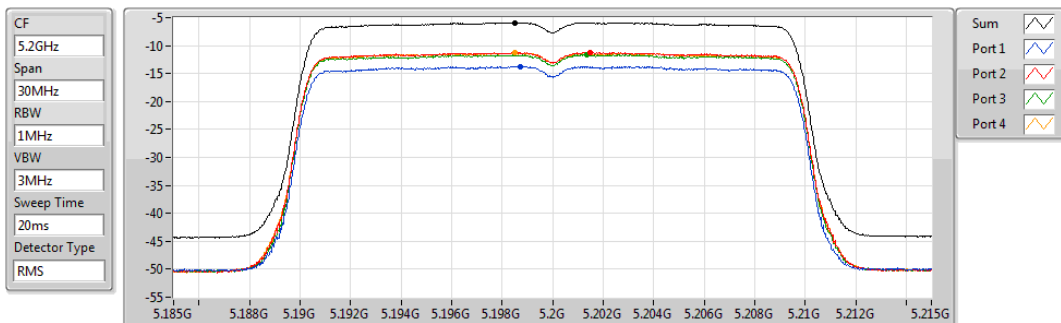


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

01/03/2019

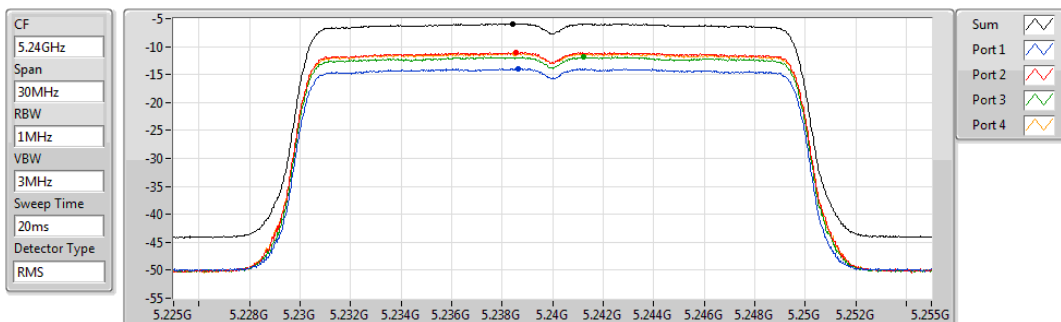


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

01/03/2019

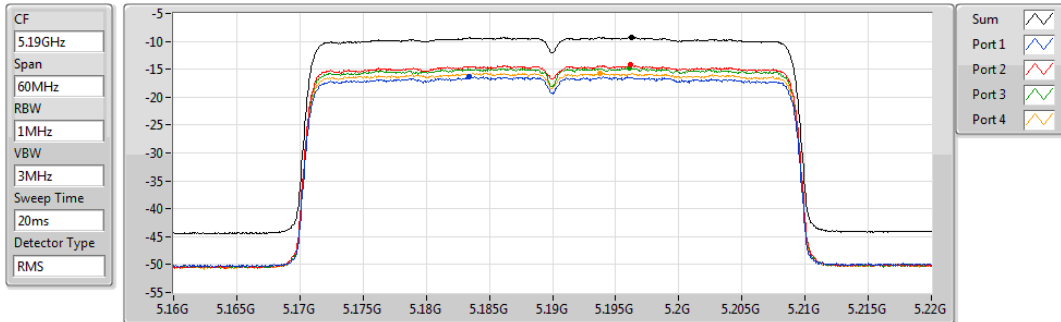


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

01/03/2019



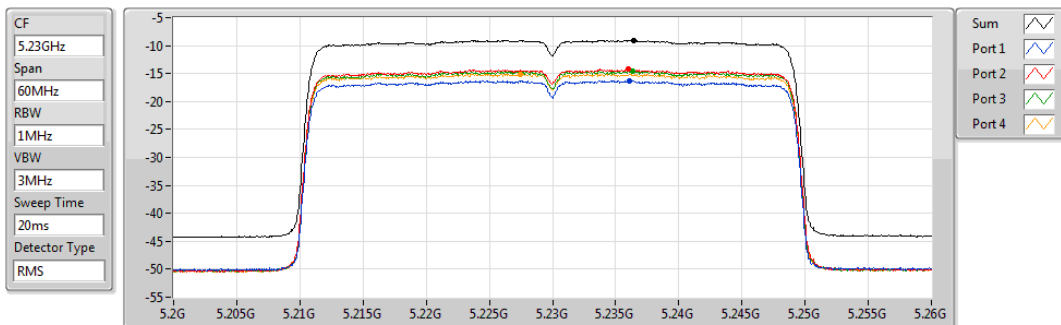
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.28	-9.28	-16.40	-14.25	-14.81	-15.74

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

01/03/2019



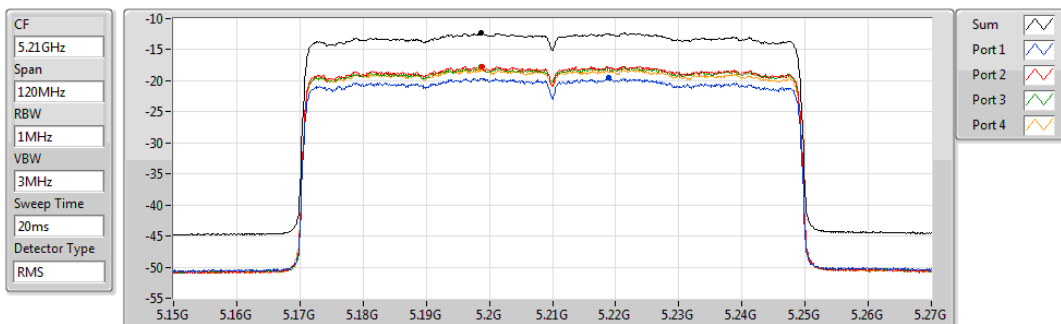
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.01	-9.01	-16.25	-14.21	-14.53	-15.07

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

01/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.28	-12.28	-19.58	-17.67	-17.82	-18.15

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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-0.14
802.11ax HEW40_Nss4,(MCS0)_4TX	-3.09
802.11ax HEW80_Nss4,(MCS0)_4TX	-5.59

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	-7.33	-5.09	-5.86	-6.33	-0.18	14.30
5200MHz	Pass	8.70	-7.57	-5.06	-5.87	-6.40	-0.25	14.30
5240MHz	Pass	8.70	-7.30	-5.30	-5.73	-6.23	-0.14	14.30
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.70	-10.27	-8.24	-8.79	-9.65	-3.26	14.30
5230MHz	Pass	8.70	-9.64	-8.32	-8.76	-9.55	-3.09	14.30
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.70	-12.74	-10.89	-10.68	-12.02	-5.59	14.30

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

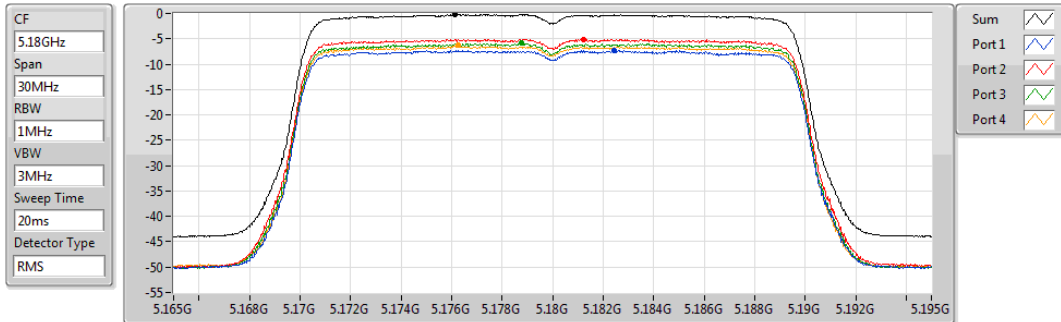
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5180MHz

02/03/2019



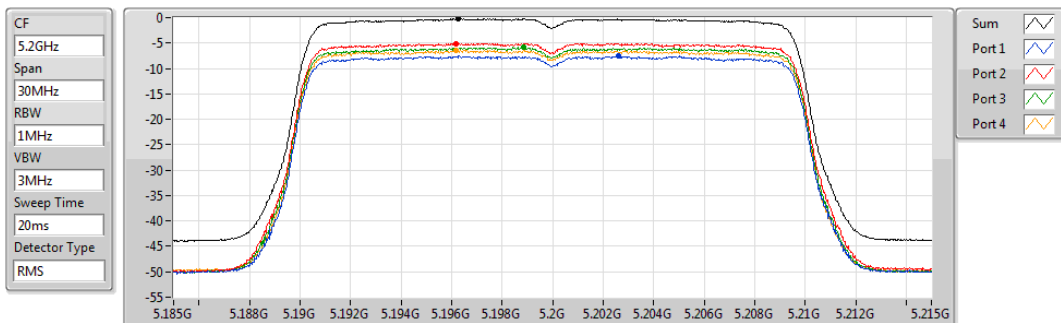
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.18	-0.18	-7.33	-5.09	-5.86	-6.33

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5200MHz

02/03/2019



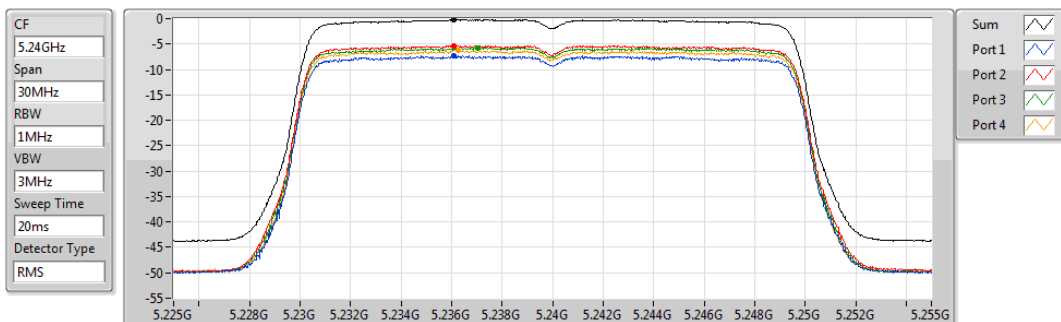
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.25	-0.25	-7.57	-5.06	-5.87	-6.40

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5240MHz

02/03/2019



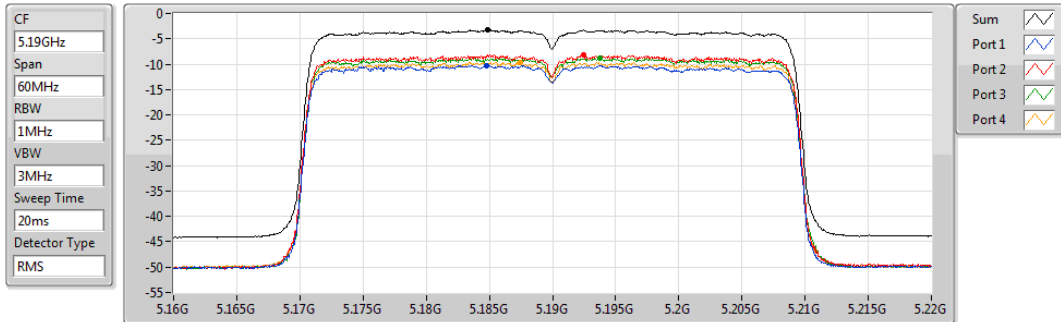
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.14	-0.14	-7.30	-5.30	-5.73	-6.23

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

02/03/2019



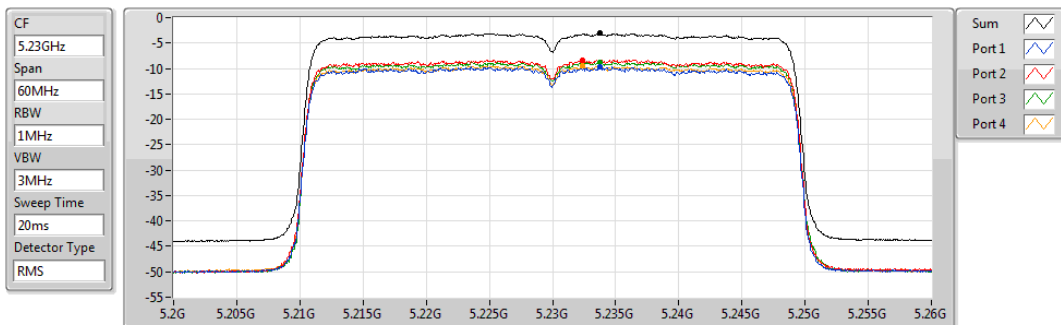
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.26	-3.26	-10.27	-8.24	-8.79	-9.65

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

02/03/2019



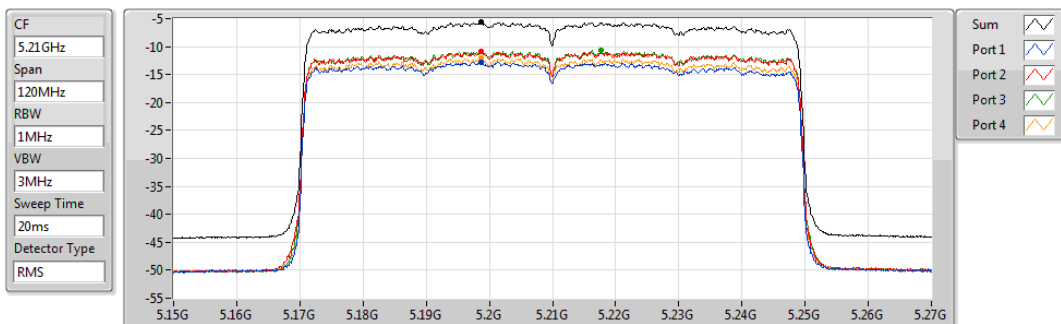
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.09	-3.09	-9.64	-8.32	-8.76	-9.55

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)
-5.59	-5.59	-12.74	-10.89	-10.68	-12.02

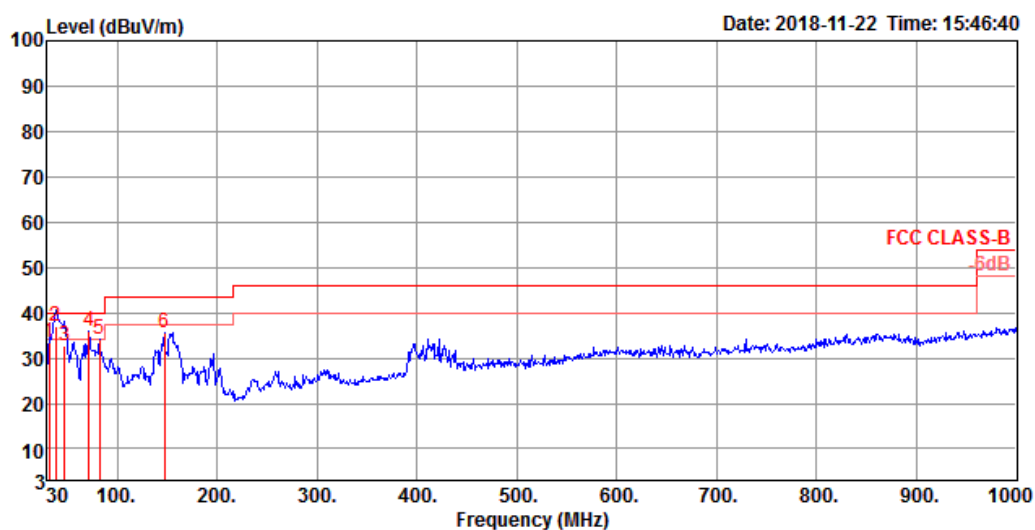


Radiated Emission below 1GHz Result

Appendix E.1

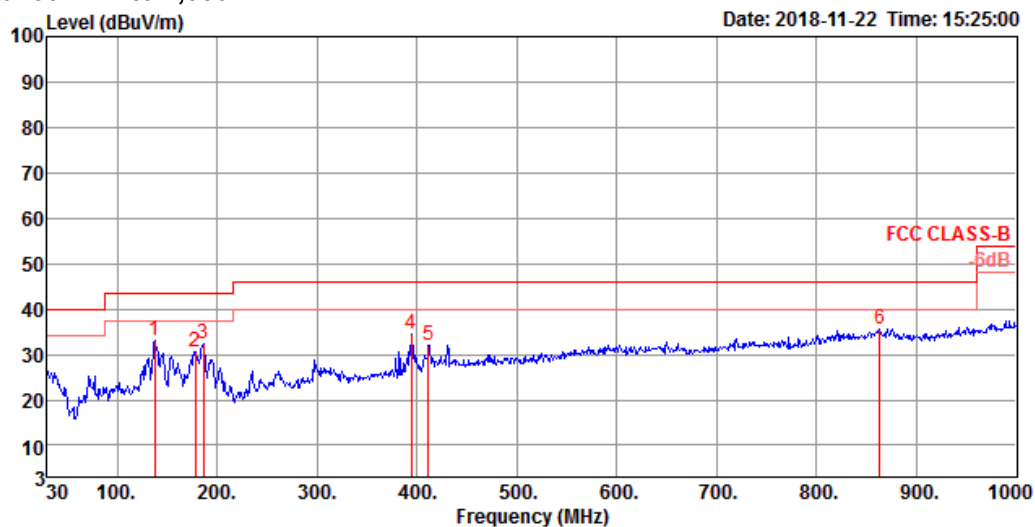
Test Mode	Mode 7	Frequency Range	30 MHz to 1,000 MHz
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Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	31.94	33.45	40.00	-6.55	42.29	0.67	23.09	32.60	100	53 QP	VERTICAL
2	38.73	36.93	40.00	-3.07	49.50	0.88	19.15	32.60	100	2 QP	VERTICAL
3	47.46	32.60	40.00	-7.40	49.20	0.98	15.01	32.59	112	21 QP	VERTICAL
4	71.71	35.89	40.00	-4.11	55.23	1.18	12.05	32.57	200	71 Peak	VERTICAL
5	82.38	34.00	40.00	-6.00	52.20	1.30	13.06	32.56	125	144 Peak	VERTICAL
6	147.37	35.60	43.50	-7.90	49.68	1.89	16.54	32.51	125	218 Peak	VERTICAL

Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	137.67	33.10	43.50	-10.40	46.51	1.87	17.24	32.52	300	272 Peak	HORIZONTAL
2	178.41	30.71	43.50	-12.79	46.07	2.04	15.09	32.49	200	210 Peak	HORIZONTAL
3	186.17	32.24	43.50	-11.26	47.76	2.11	14.86	32.49	200	193 Peak	HORIZONTAL
4	394.72	34.53	46.00	-11.47	42.23	3.51	21.23	32.44	125	287 Peak	HORIZONTAL
5	411.21	32.09	46.00	-13.91	38.97	3.59	21.97	32.44	125	271 Peak	HORIZONTAL
6	863.23	35.74	46.00	-10.26	35.73	5.95	26.07	32.01	100	34 Peak	HORIZONTAL



RSE TX above 1GHz Result_Radio 1_Radiated Emission

Appendix E.2

For Radio 1:

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

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

For Non-beamforming / 4T1S mode

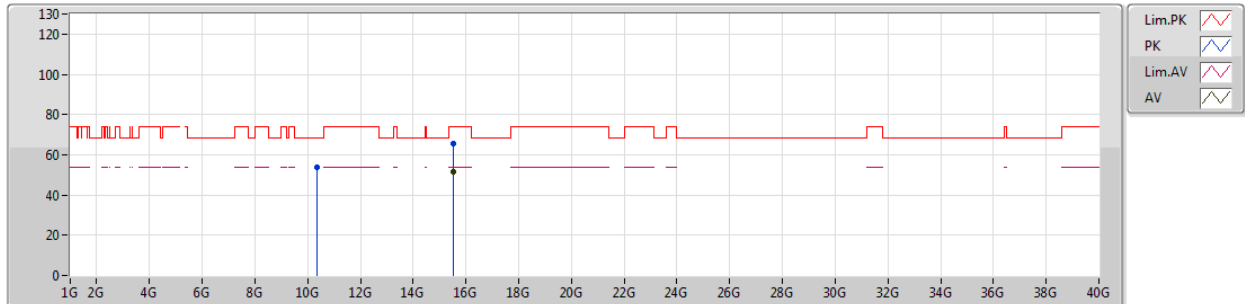
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1.(MCS0)_4TX	Pass	AV	15.5627G	53.98	54.00	-0.02	14.43	3	Horizontal	82	1.49	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5180MHz_TX



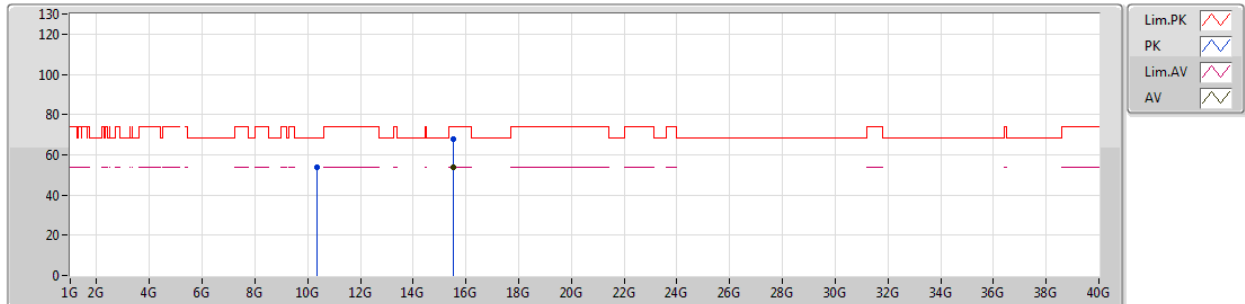
EUT_X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.35763G	53.90	68.20	-14.30	10.85	3	Vertical	313	1.11	-
PK	15.5372G	65.71	74.00	-8.29	14.46	3	Vertical	61	2.26	-
AV	15.5372G	51.70	54.00	-2.30	14.46	3	Vertical	61	2.26	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5180MHz_TX



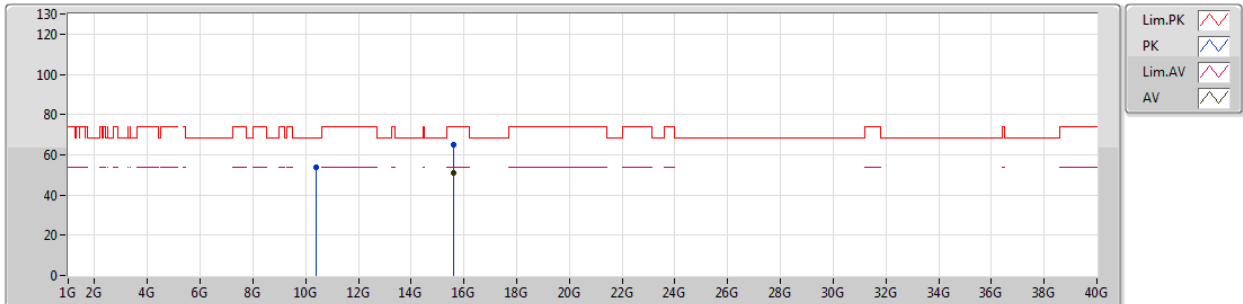
EUT_X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.36175G	54.01	68.20	-14.19	10.85	3	Horizontal	76	2.08	-
PK	15.5345G	67.64	74.00	-6.36	14.46	3	Horizontal	14	1.73	-
AV	15.5355G	53.76	54.00	-0.24	14.46	3	Horizontal	14	1.73	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5200MHz_TX



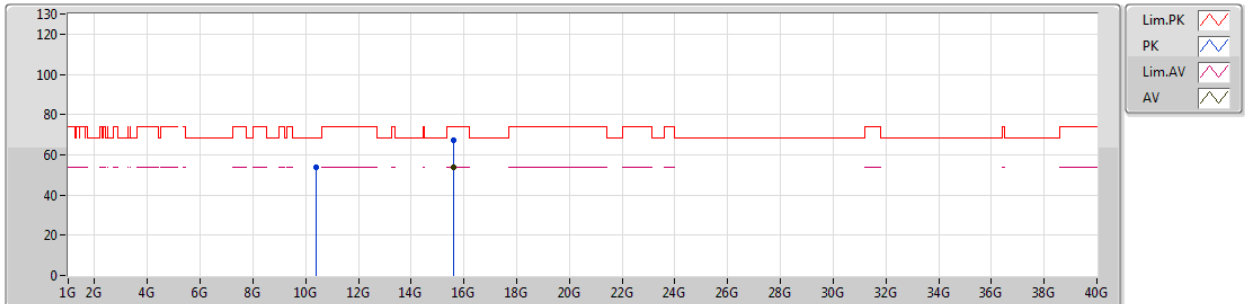
EUT_X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.39823G	53.95	68.20	-14.25	10.91	3	Vertical	29	2.15	-
PK	15.5978G	64.73	74.00	-9.27	14.39	3	Vertical	35	1.38	-
AV	15.5981G	51.19	54.00	-2.81	14.39	3	Vertical	35	1.38	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5200MHz_TX



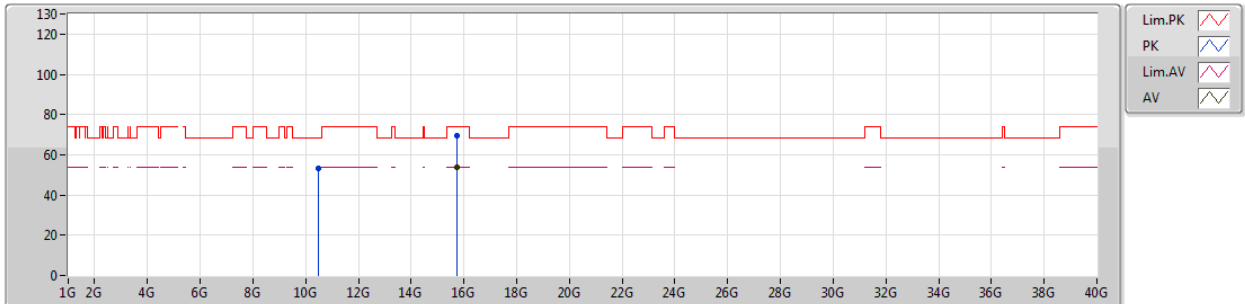
EUT_X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.40024G	53.76	68.20	-14.44	10.91	3	Horizontal	291	1.90	-
PK	15.5979G	67.19	74.00	-6.81	14.39	3	Horizontal	19	2.65	-
AV	15.5983G	53.76	54.00	-0.24	14.39	3	Horizontal	19	2.65	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5240MHz_TX



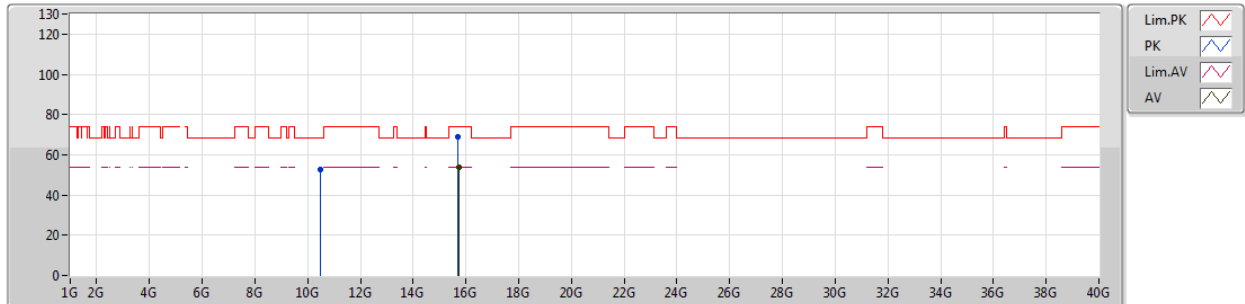
EUT_X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.47938G	53.02	68.20	-15.18	11.02	3	Vertical	174	2.35	-
PK	15.7213G	69.24	74.00	-4.76	14.24	3	Vertical	23	1.33	-
AV	15.7203G	53.75	54.00	-0.25	14.24	3	Vertical	23	1.33	-

802.11a_Nss1,(6Mbps)_4TX

15/02/2019

5240MHz_TX



EUT_X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.47779G	52.81	68.20	-15.39	11.01	3	Horizontal	217	2.33	-						
PK	15.7144G	68.99	74.00	-5.01	14.25	3	Horizontal	59	2.99	-						
AV	15.7245G	53.94	54.00	-0.06	14.23	3	Horizontal	59	2.99	-						