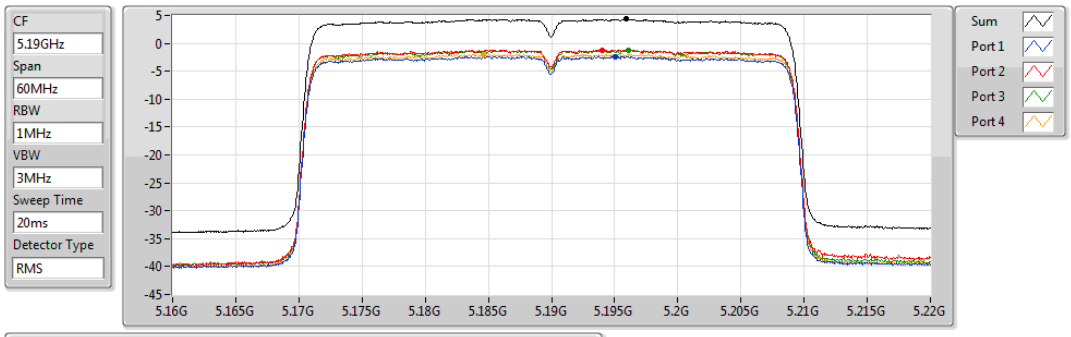
802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

20/02/2019

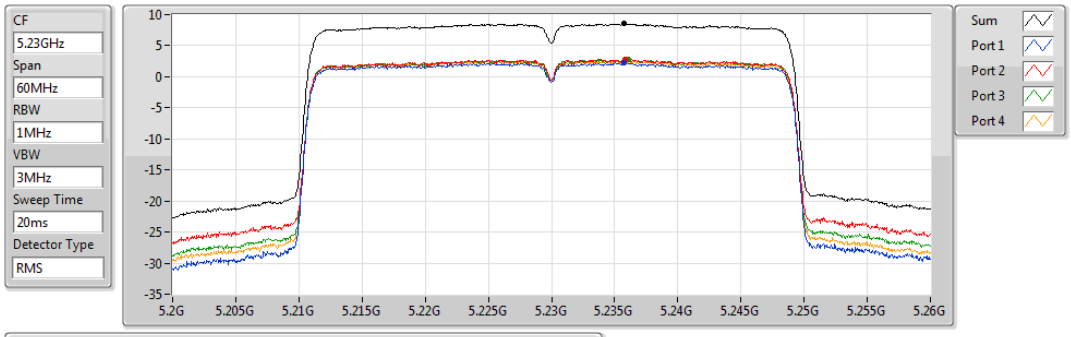


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.32	4.32	-2.33	-1.17	-1.18	-1.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

20/02/2019

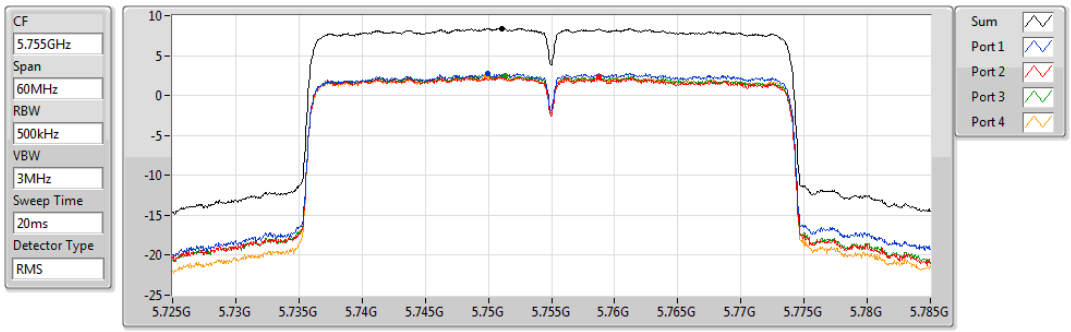


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.51	8.51	2.22	2.82	2.78	2.49

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5755MHz

20/02/2019

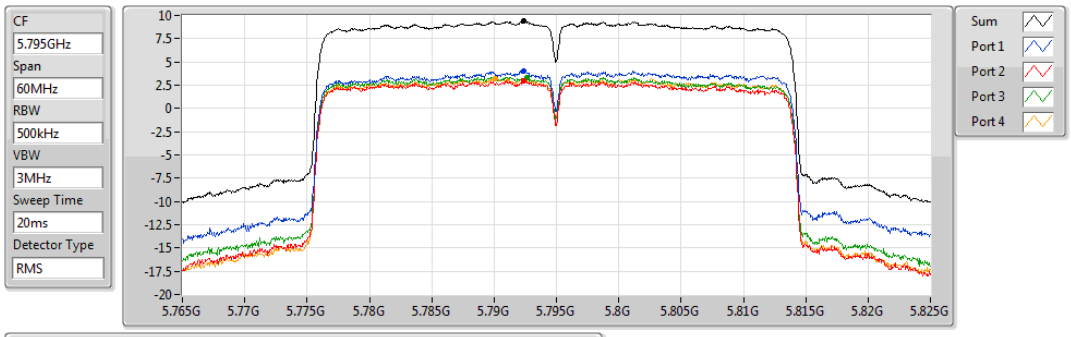


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	2.79	2.30	2.48	2.45

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5795MHz

20/02/2019

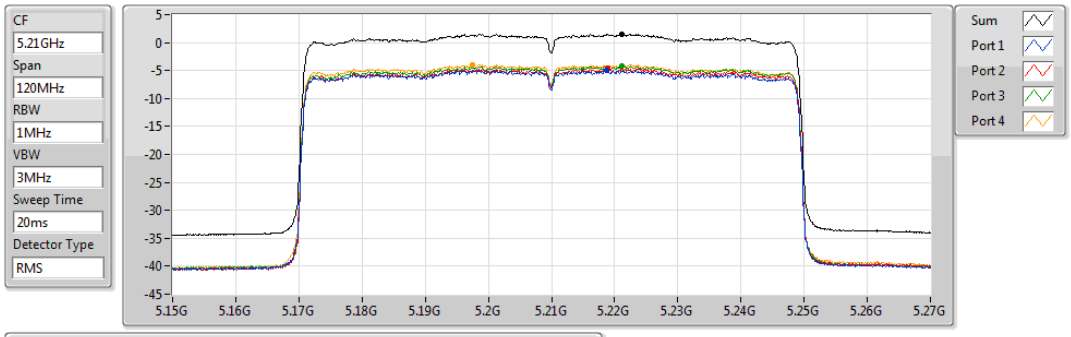


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.36	9.36	4.05	3.01	3.36	3.22

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz

20/02/2019

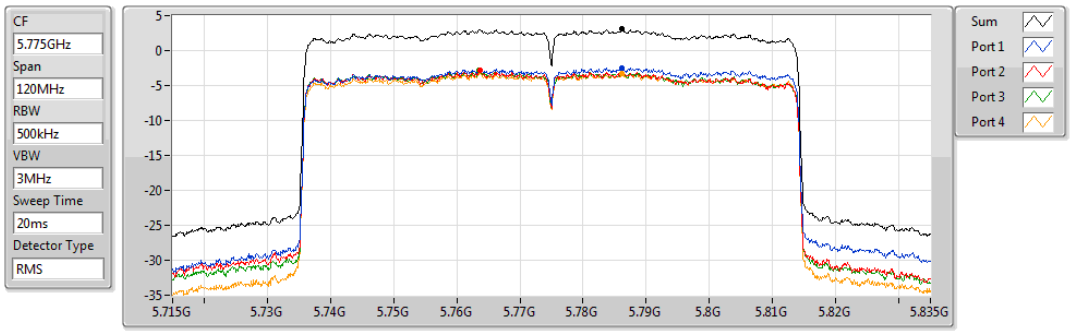


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	-4.91	-4.61	-4.19	-3.96

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

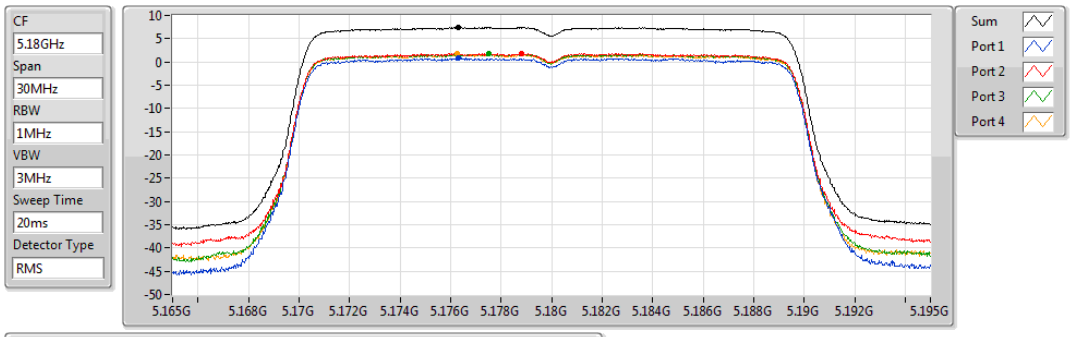
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.00	0.82	1.75	1.71	1.68	7.43	17.00
5200MHz	Pass	3.00	5.52	5.77	5.79	6.01	11.72	17.00
5240MHz	Pass	3.00	7.11	6.93	6.92	7.16	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

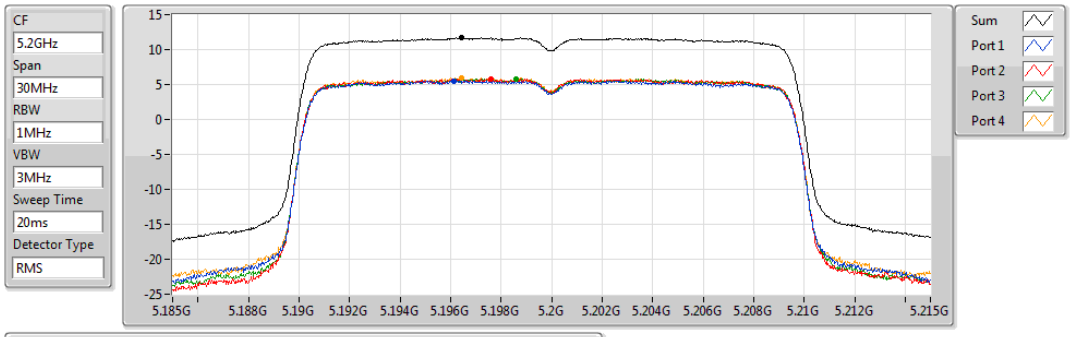


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	0.82	1.75	1.71	1.68

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5200MHz

17/02/2019

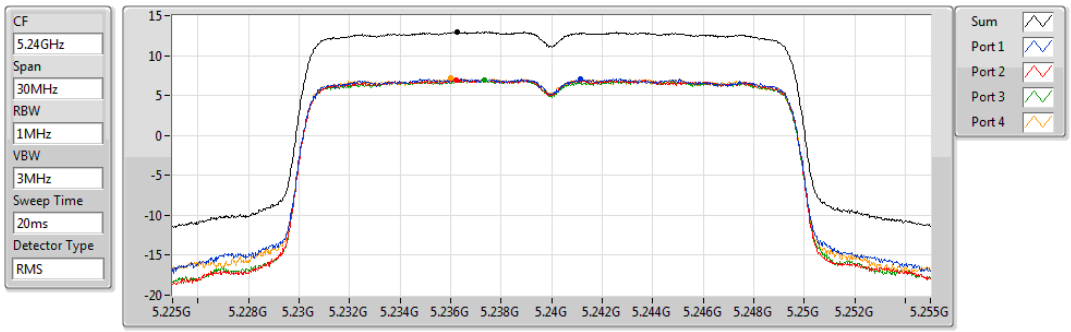


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.72	11.72	5.52	5.77	5.79	6.01

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5240MHz

17/02/2019

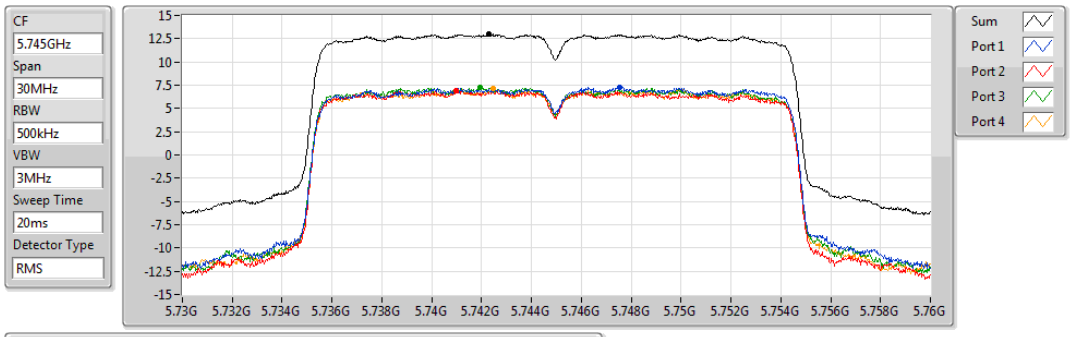


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.97	12.97	7.11	6.93	6.92	7.16

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5745MHz

17/02/2019

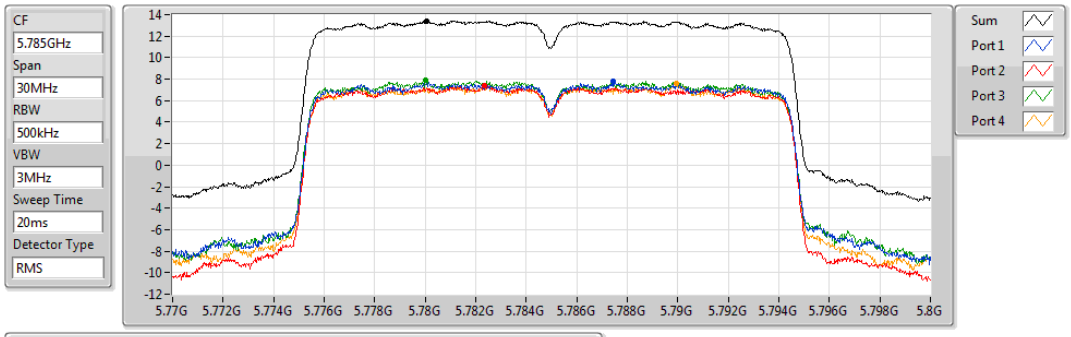


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.95	12.95	7.31	6.95	7.21	7.11

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5785MHz

17/02/2019

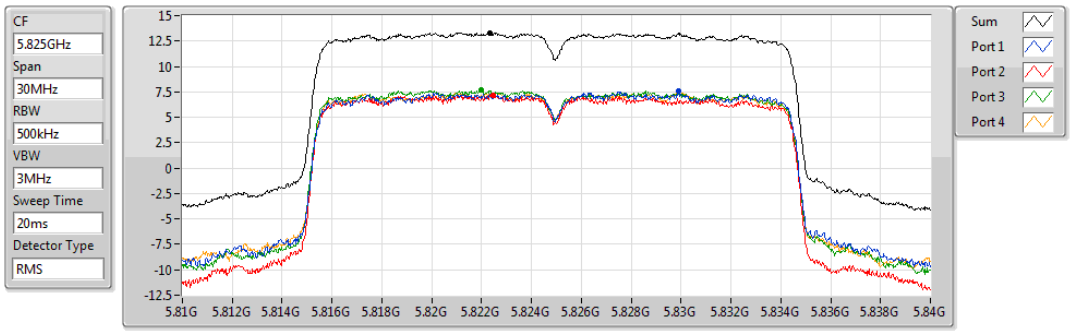


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.38	13.38	7.76	7.43	7.93	7.62

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5825MHz

17/02/2019

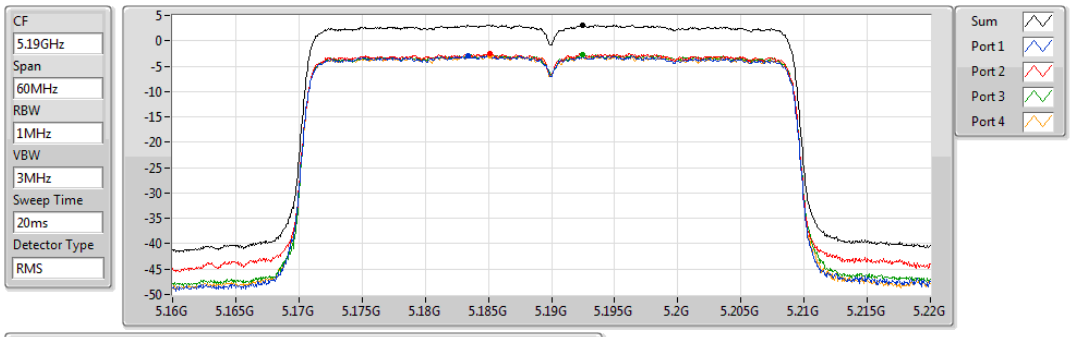


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.32	13.32	7.60	7.19	7.68	7.57

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz

17/02/2019

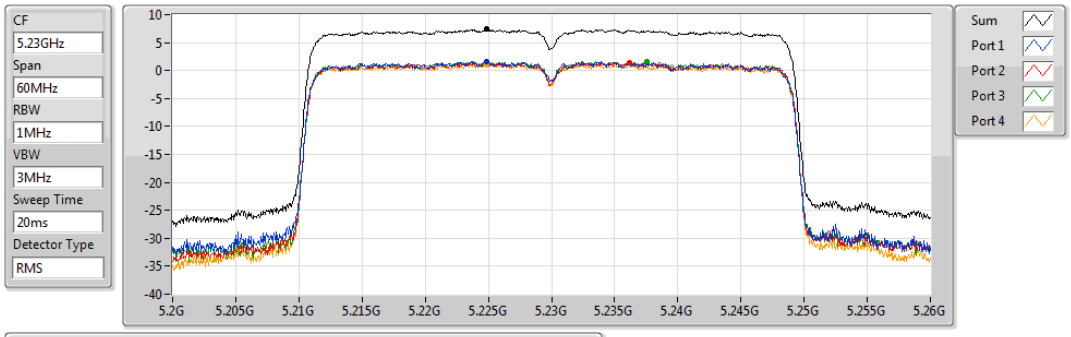


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.12	3.12	-2.96	-2.45	-2.69	-2.90

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5230MHz

17/02/2019

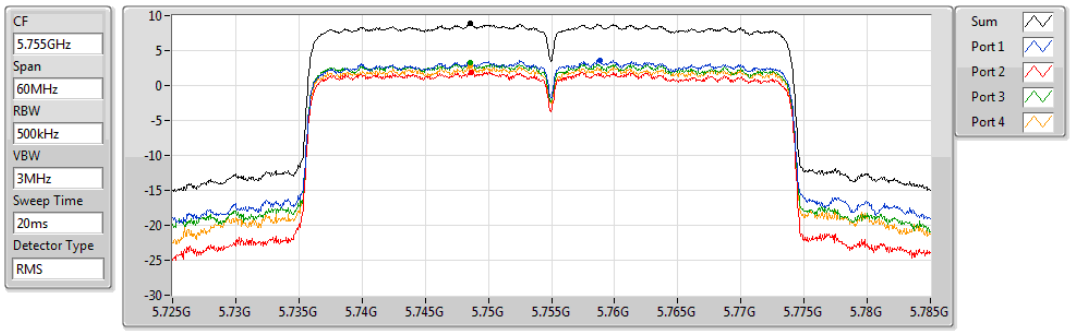


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	1.57	1.46	1.65	1.10

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5755MHz

17/02/2019

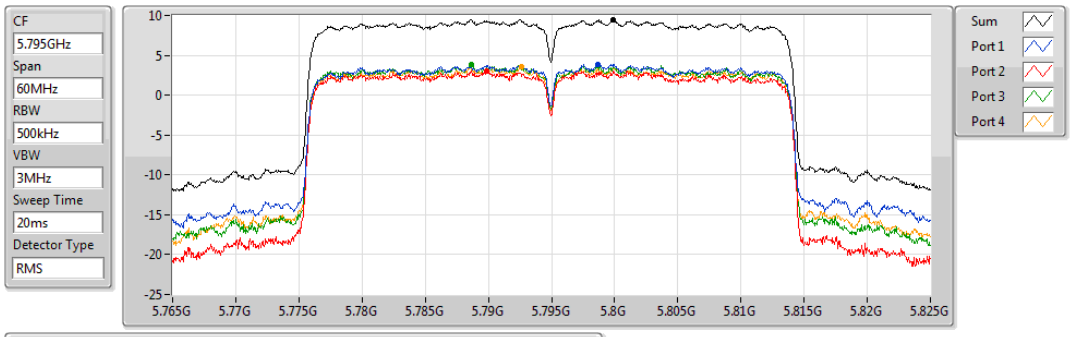


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.87	8.87	3.63	1.91	3.30	2.78

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5795MHz

17/02/2019

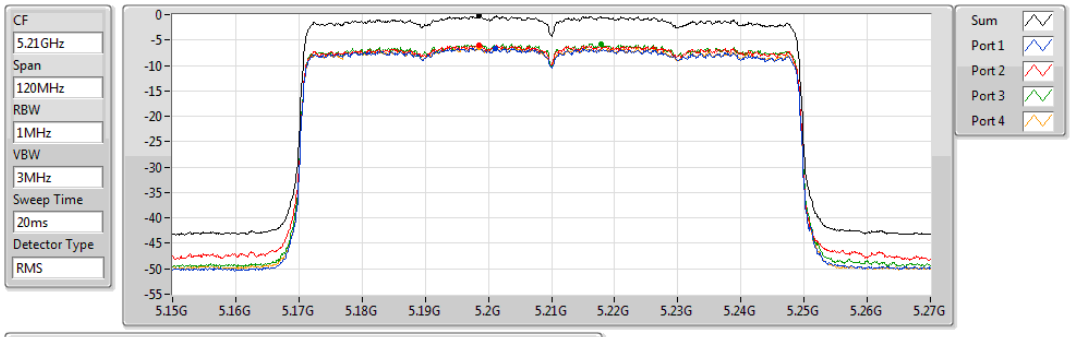


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.46	9.46	3.87	3.08	3.80	3.61

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

5210MHz

17/02/2019

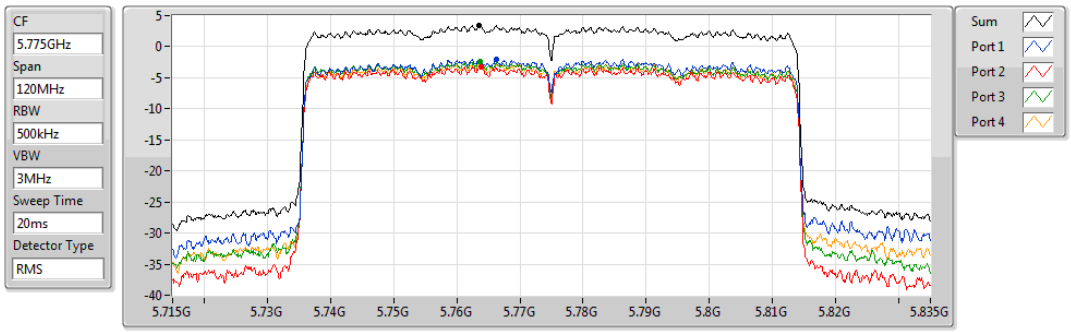


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-6.60	-5.95	-5.71	-6.40

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

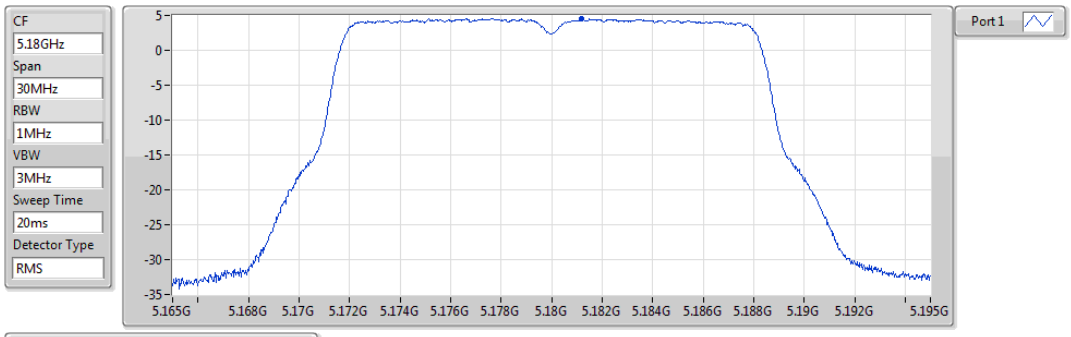
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	4.56	4.56	17.00
5200MHz	Pass	6.00	5.98	5.98	17.00
5240MHz	Pass	6.00	6.21	6.21	17.00
5745MHz	Pass	6.00	6.32	6.32	30.00
5785MHz	Pass	6.00	6.75	6.75	30.00
5825MHz	Pass	6.00	6.19	6.19	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

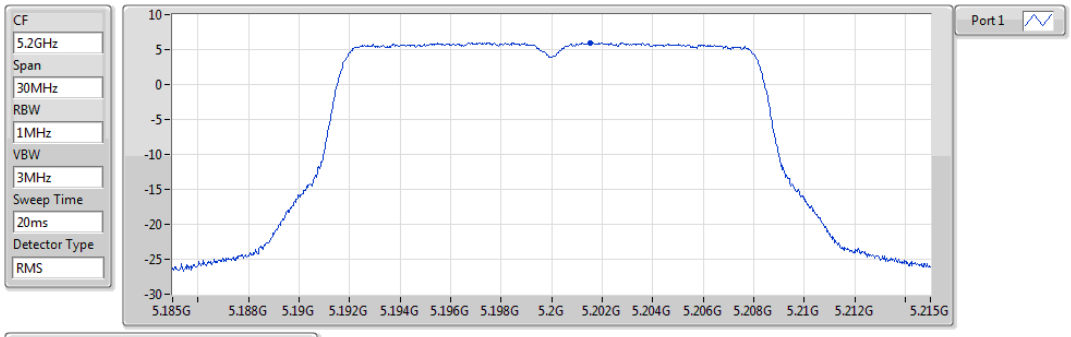


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	4.56

802.11a_Nss1,(6Mbps)_1TX **PSD**

5200MHz

24/01/2019

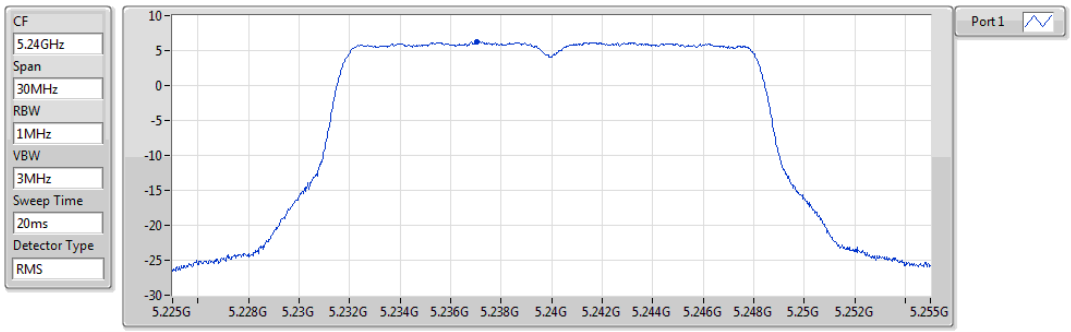


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.98	5.98	5.98

802.11a_Nss1,(6Mbps)_1TX **PSD**

5240MHz

24/01/2019

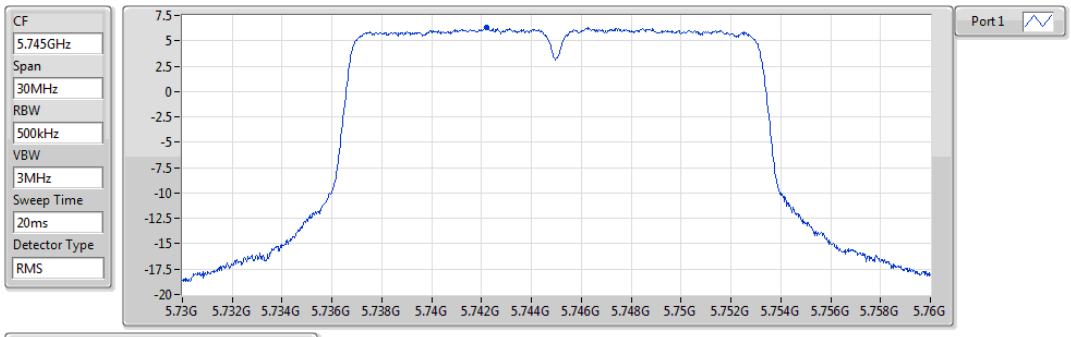


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11a_Nss1,(6Mbps)_1TX PSD

5745MHz

24/01/2019

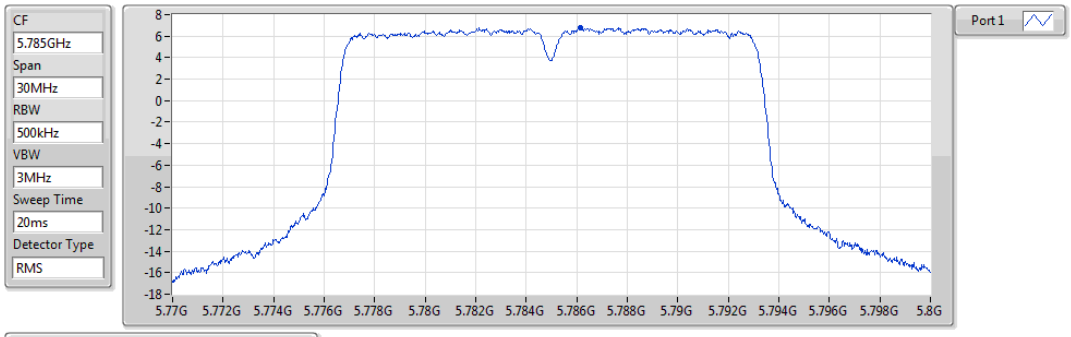


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.32	6.32	6.32

802.11a_Nss1,(6Mbps)_1TX PSD

5785MHz

24/01/2019

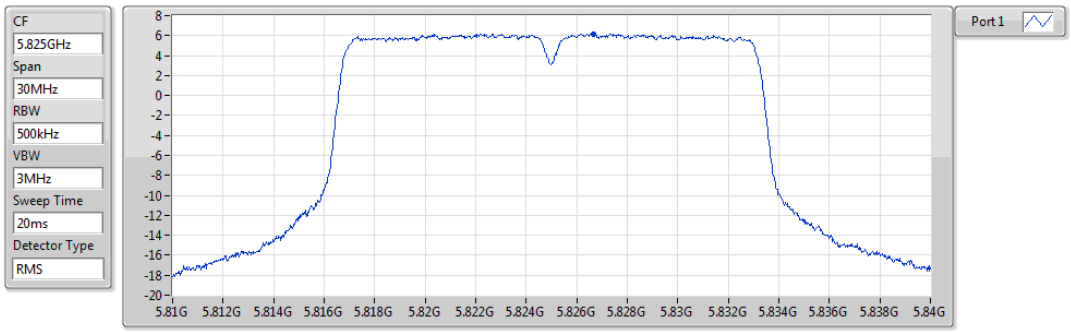


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.75	6.75	6.75

802.11a_Nss1,(6Mbps)_1TX PSD

5825MHz

24/01/2019

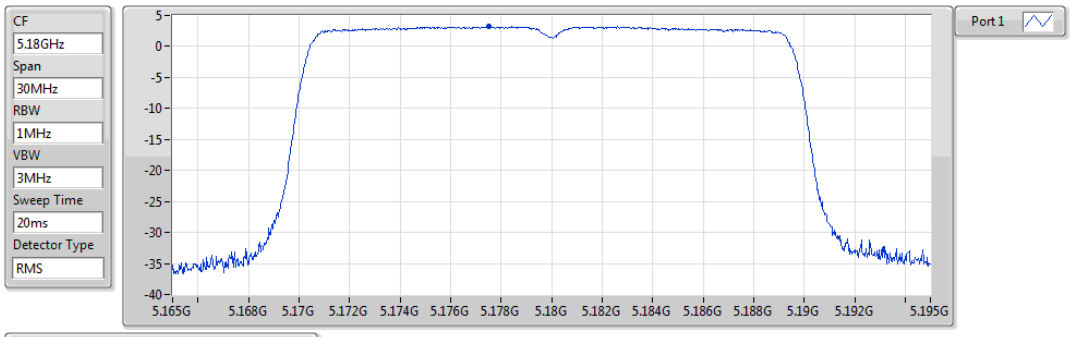


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.19	6.19	6.19

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5180MHz

24/01/2019

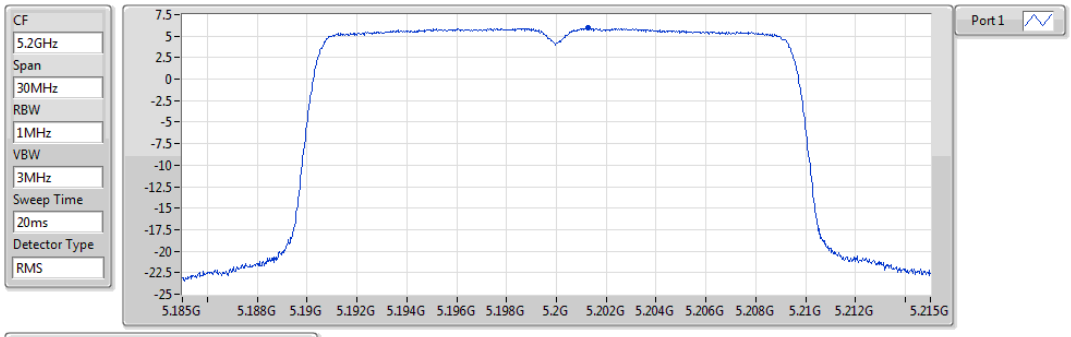


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.17	3.17	3.17

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5200MHz

24/01/2019

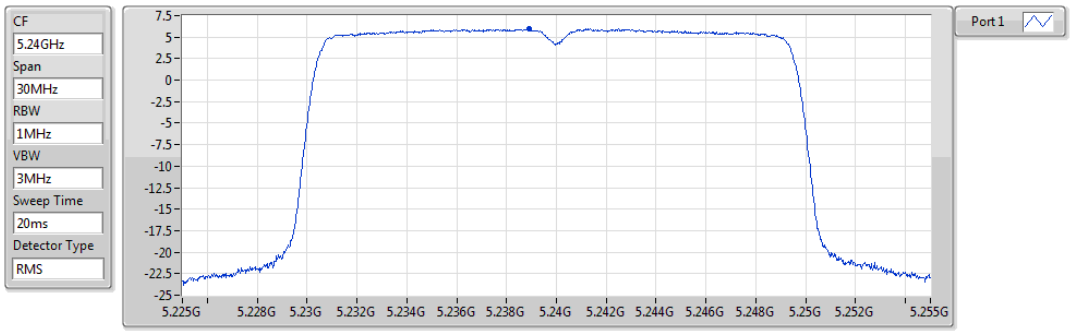


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.92	5.92	5.92

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5240MHz

24/01/2019

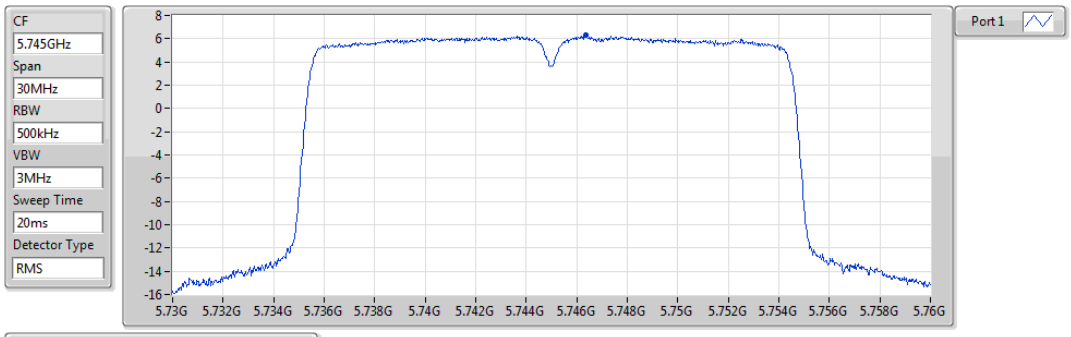


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	5.94

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5745MHz

24/01/2019

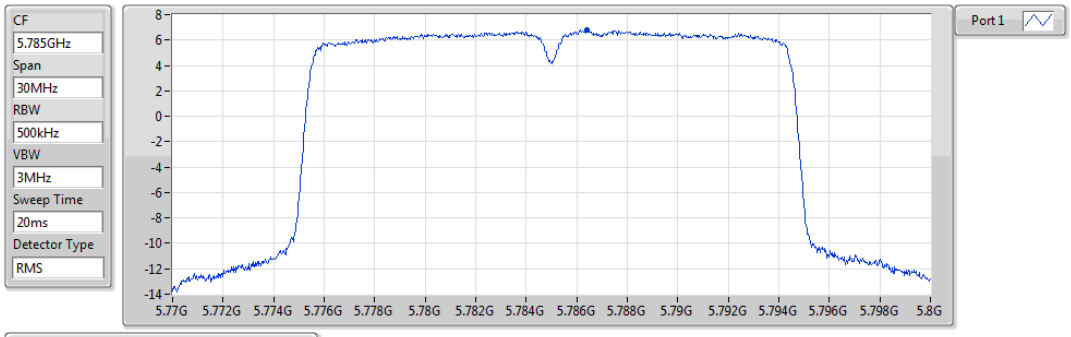


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	6.29

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5785MHz

24/01/2019

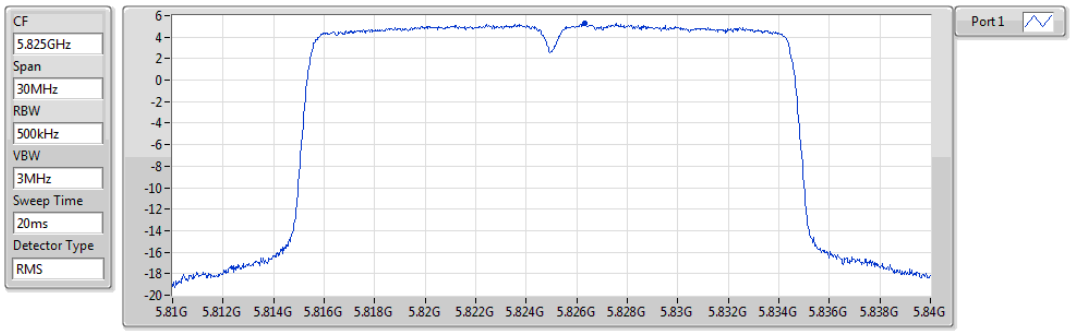


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.77	6.77	6.77

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5825MHz

24/01/2019

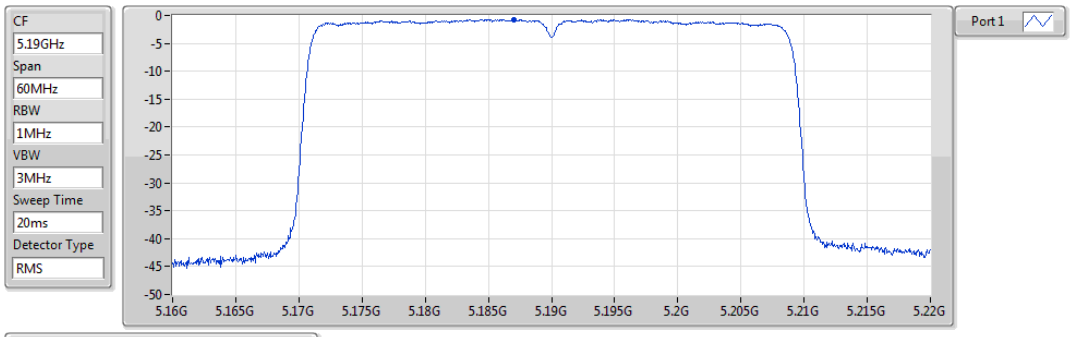


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.28	5.28	5.28

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5190MHz

24/01/2019

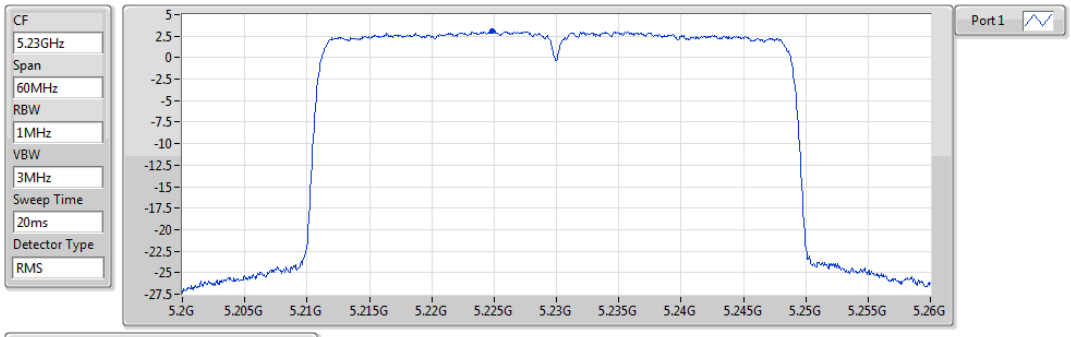


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.71	-0.71	-0.71

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5230MHz

24/01/2019

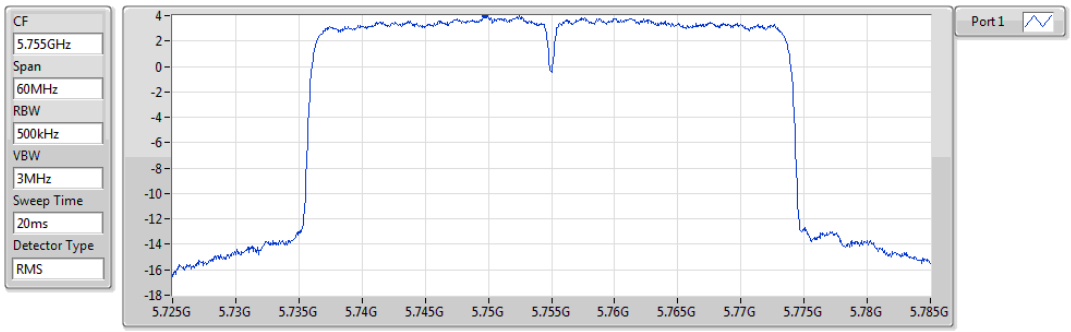


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	3.06

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5755MHz

24/01/2019

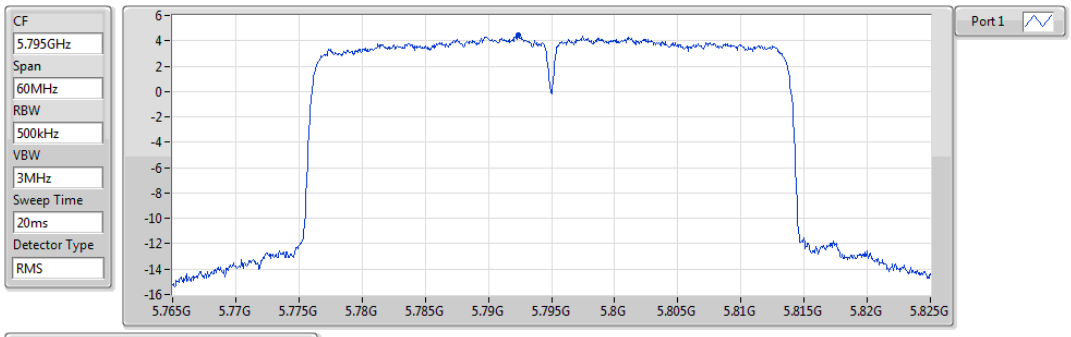


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.00	4.00	4.00

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

5795MHz

24/01/2019

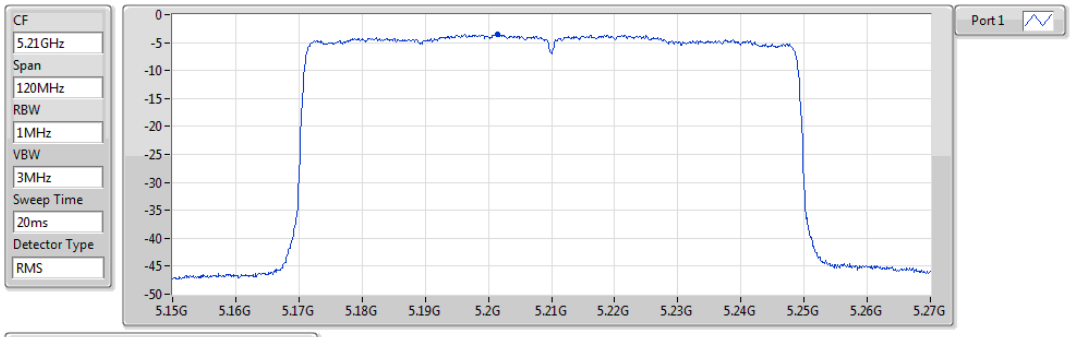


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.43	4.43	4.43

802.11ax HEW80_Nss1,(MCS0)_1TX PSD

5210MHz

24/01/2019

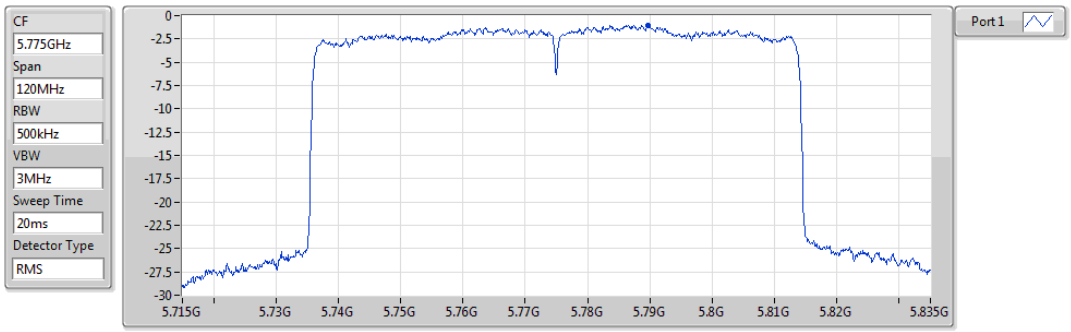


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.54	-3.54	-3.54

802.11ax HEW80_Nss1,(MCS0)_1TX PSD

5775MHz

24/01/2019



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

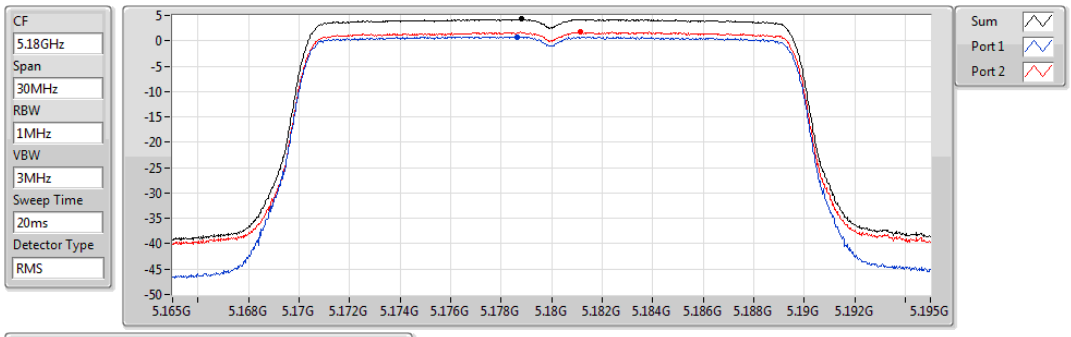
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.00	0.81	1.71	4.25	17.00
5200MHz	Pass	6.00	5.80	5.92	8.80	17.00
5240MHz	Pass	6.00	6.26	6.24	9.20	17.00
5745MHz	Pass	6.00	6.02	5.69	8.84	30.00
5785MHz	Pass	6.00	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

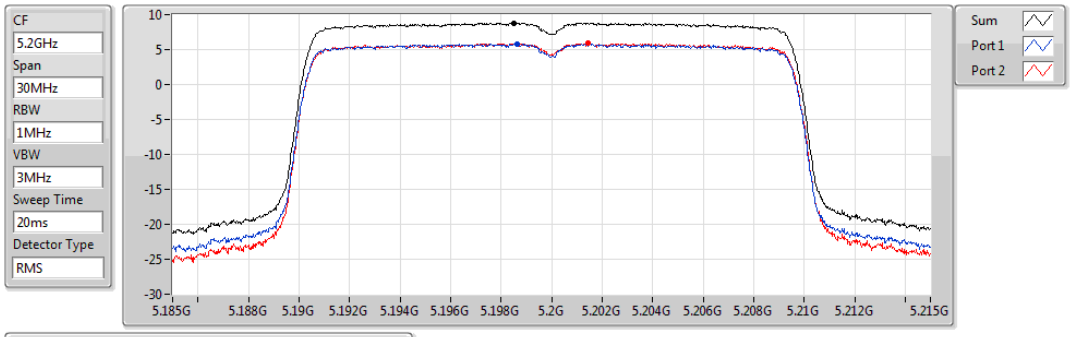


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.25	4.25	0.81	1.71

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

5200MHz

24/01/2019

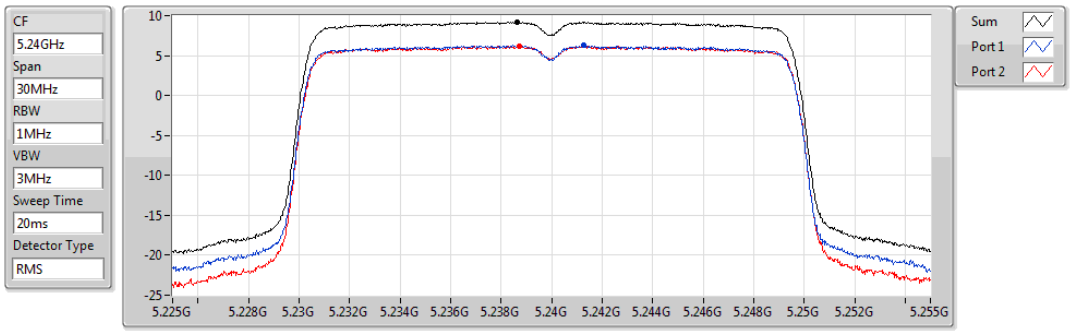


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.80	8.80	5.80	5.92

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

5240MHz

24/01/2019

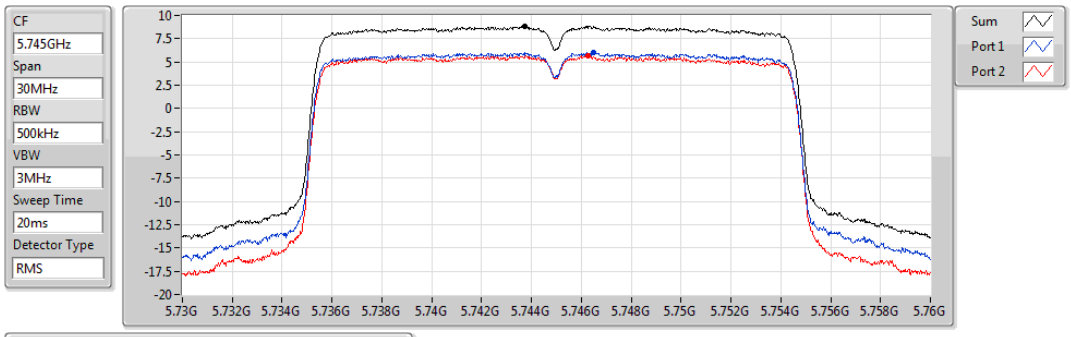


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	6.26	6.24

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5745MHz

24/01/2019

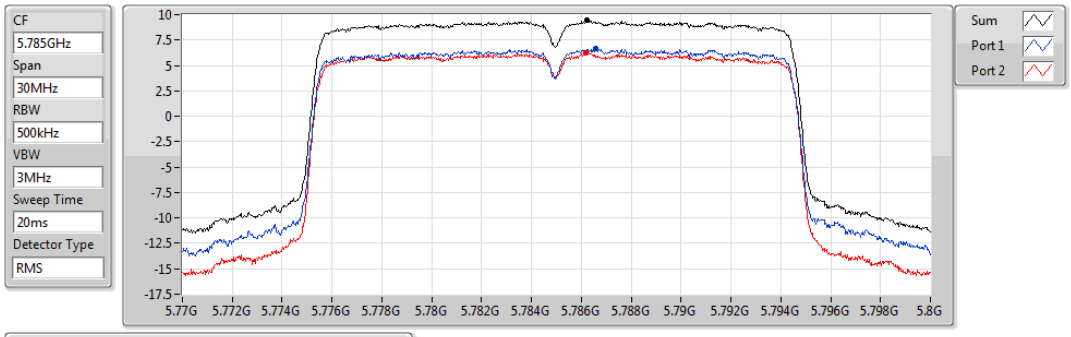


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.84	8.84	6.02	5.69

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5785MHz

24/01/2019

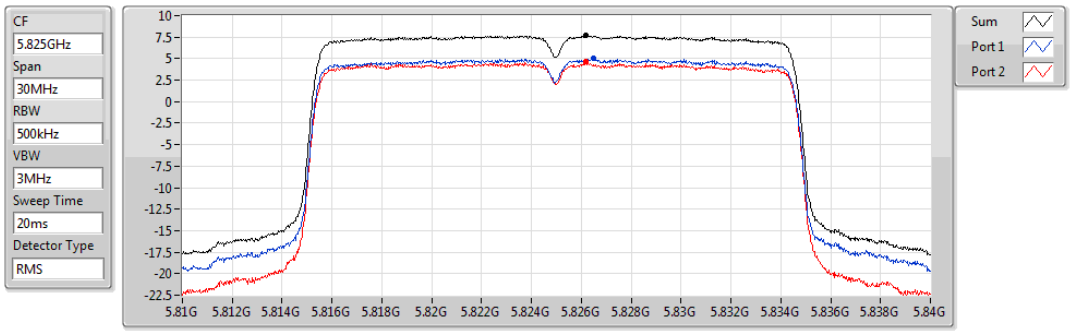


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.65	6.26

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5825MHz

24/01/2019

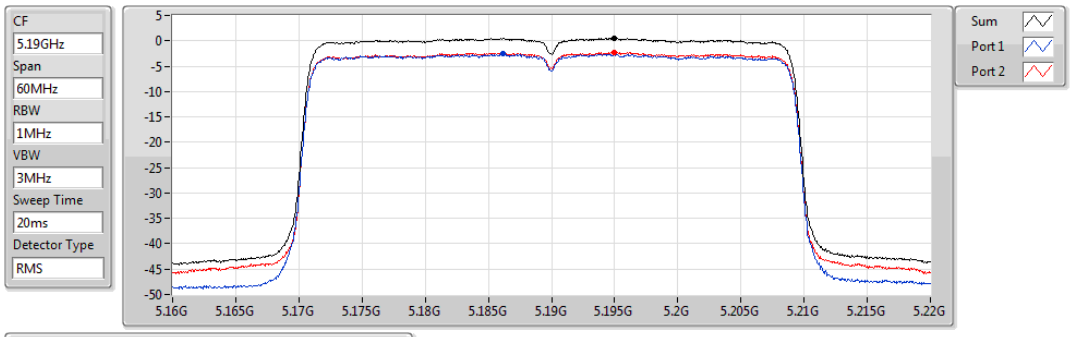


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.76	7.76	5.00	4.61

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

5190MHz

24/01/2019

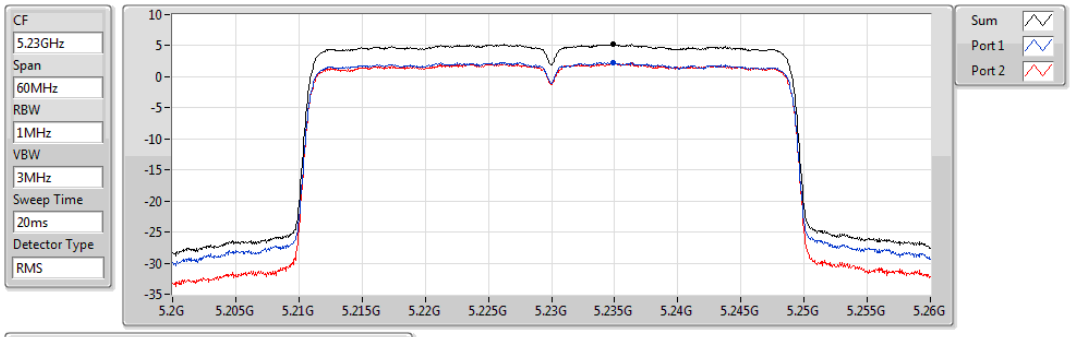


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.54	0.54	-2.59	-2.22

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

5230MHz

24/01/2019

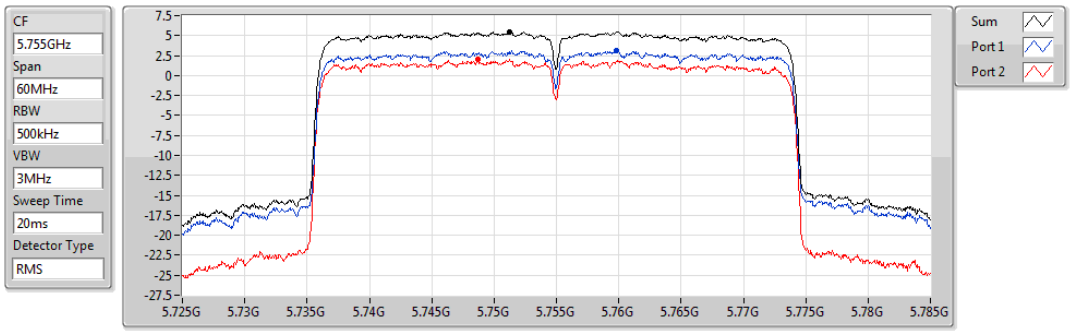


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.32	5.32	2.30	2.32

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

5755MHz

24/01/2019

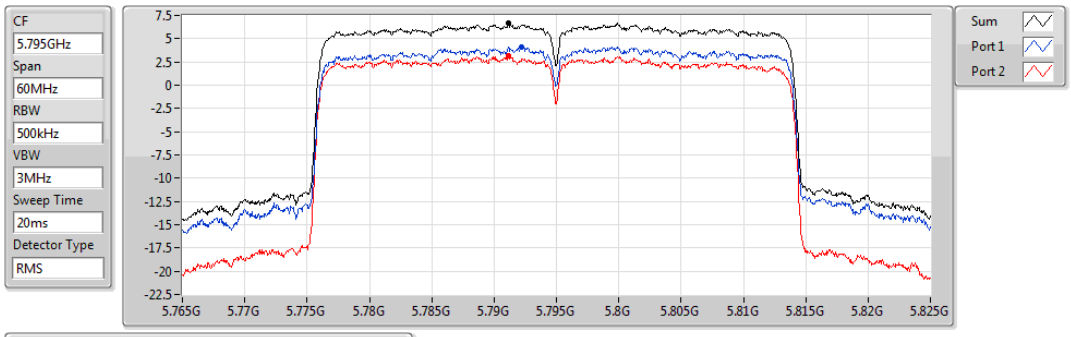


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.50	5.50	3.06	2.02

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5795MHz

24/01/2019

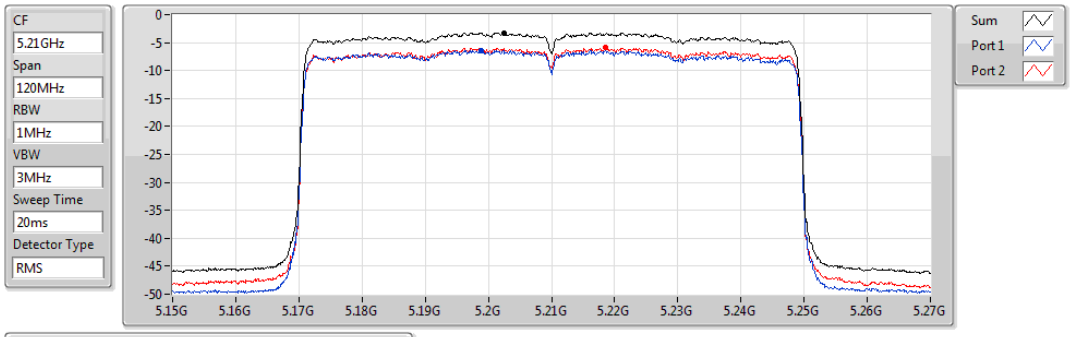


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.70	6.70	4.14	3.19

802.11ax HEW80_Nss2,(MCS0)_2TX PSD

5210MHz

24/01/2019

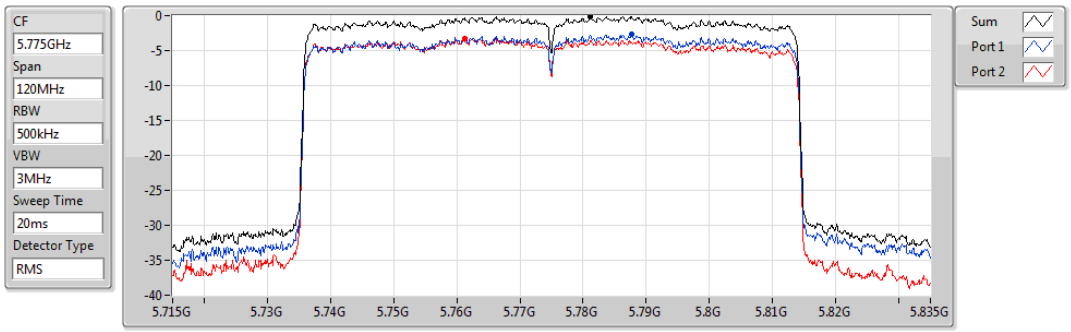


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.25	-3.25	-6.38	-5.93

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

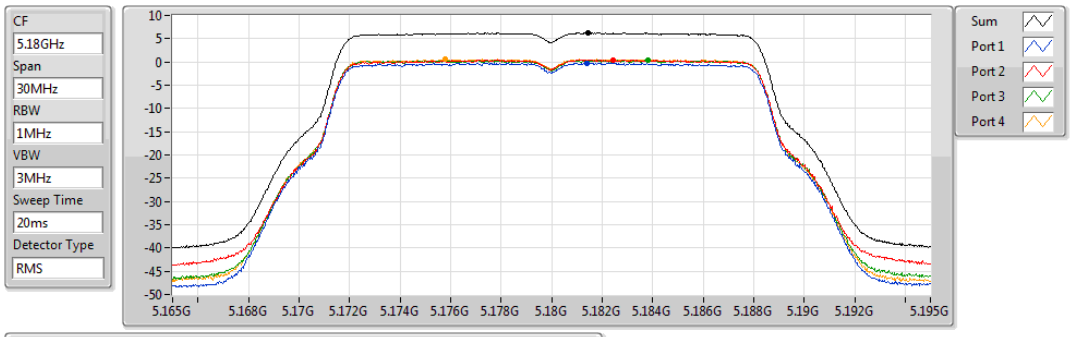
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	-0.22	0.50	0.38	0.62	6.22	10.98
5200MHz	Pass	12.02	4.59	5.22	5.10	4.88	10.86	10.98
5240MHz	Pass	12.02	4.67	4.93	4.87	5.02	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

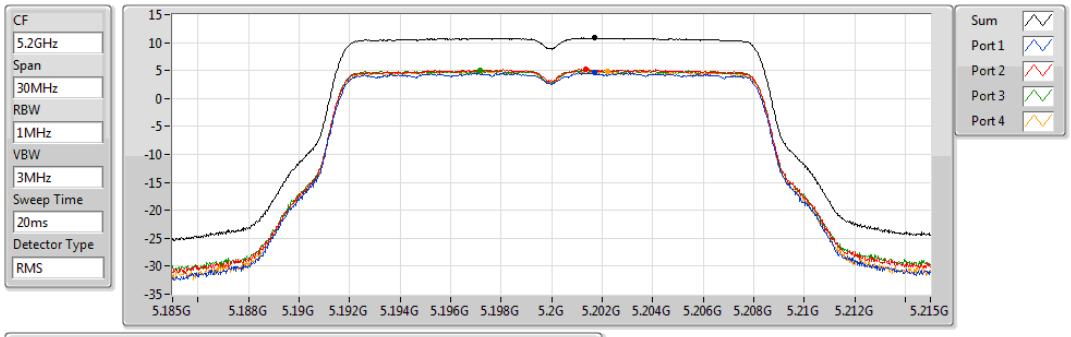


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.22	6.22	-0.22	0.50	0.38	0.62

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

24/01/2019

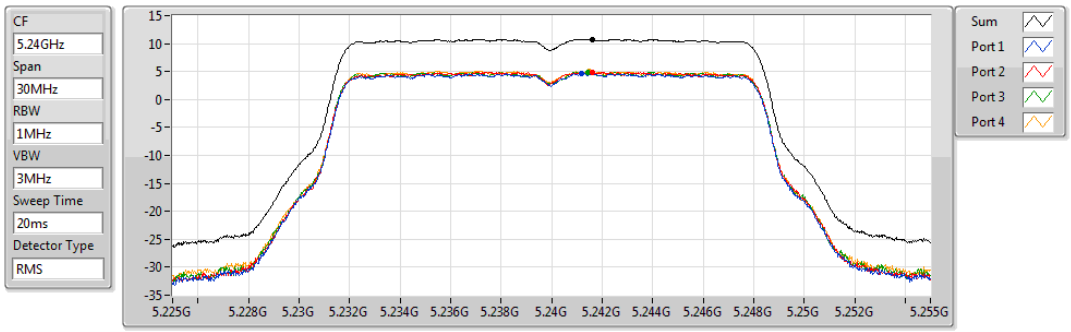


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	4.59	5.22	5.10	4.88

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

24/01/2019

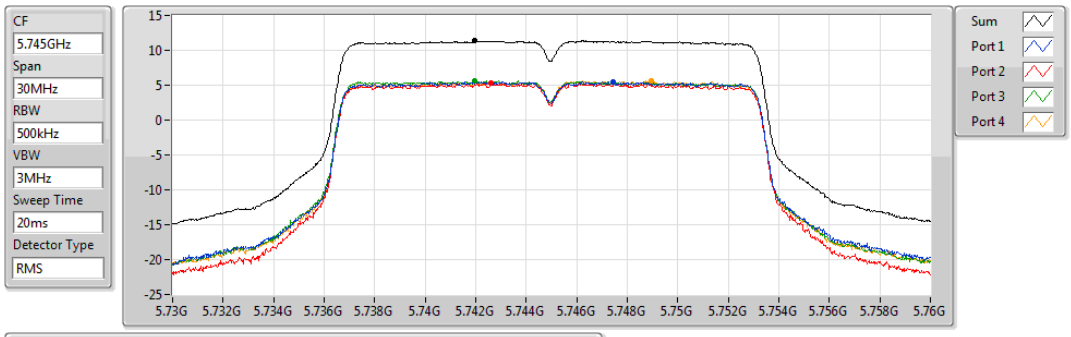


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.67	4.93	4.87	5.02

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

24/01/2019

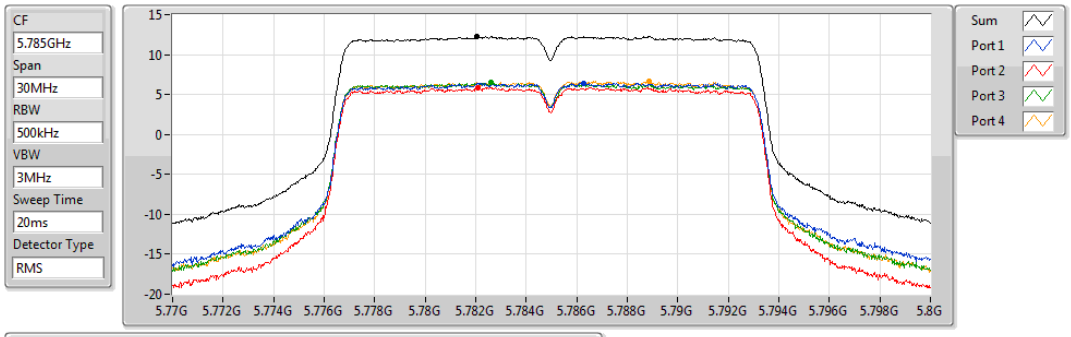


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.33	11.33	5.49	5.24	5.61	5.60

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

24/01/2019

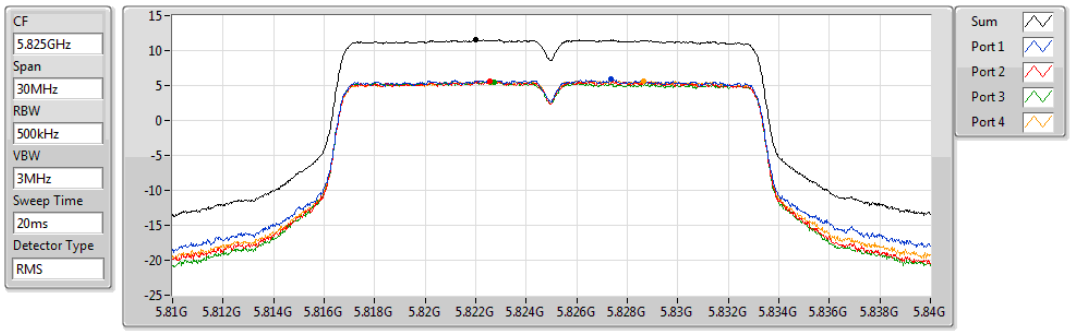


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.27	12.27	6.42	5.90	6.52	6.69

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

24/01/2019

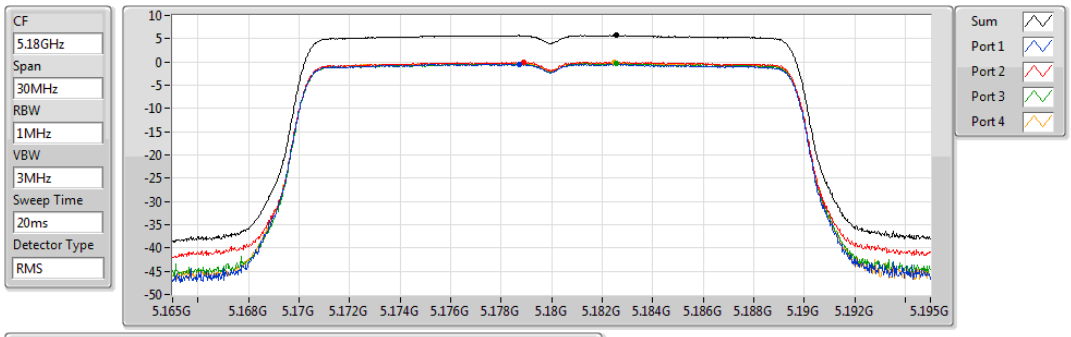


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.53	11.53	5.95	5.68	5.54	5.68

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

24/01/2019

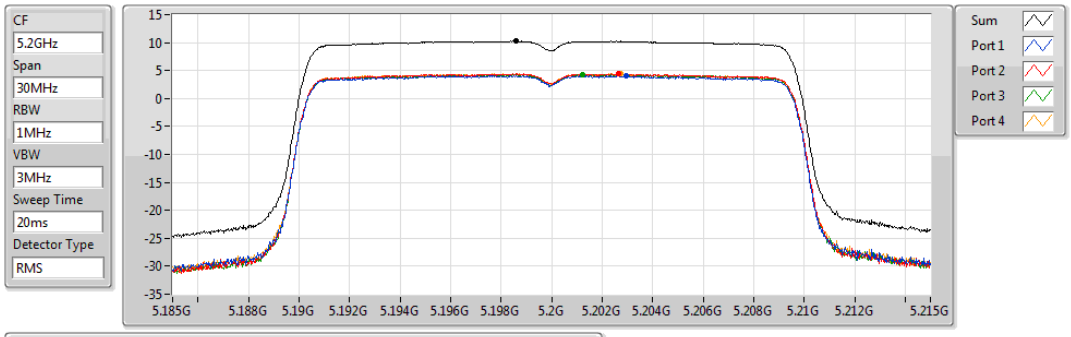


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.70	5.70	-0.47	-0.01	-0.27	-0.13

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

24/01/2019

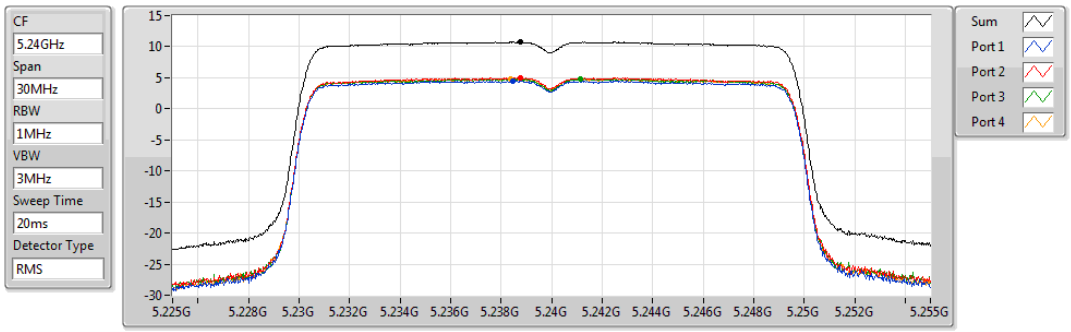


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.27	10.27	4.05	4.46	4.32	4.45

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

24/01/2019

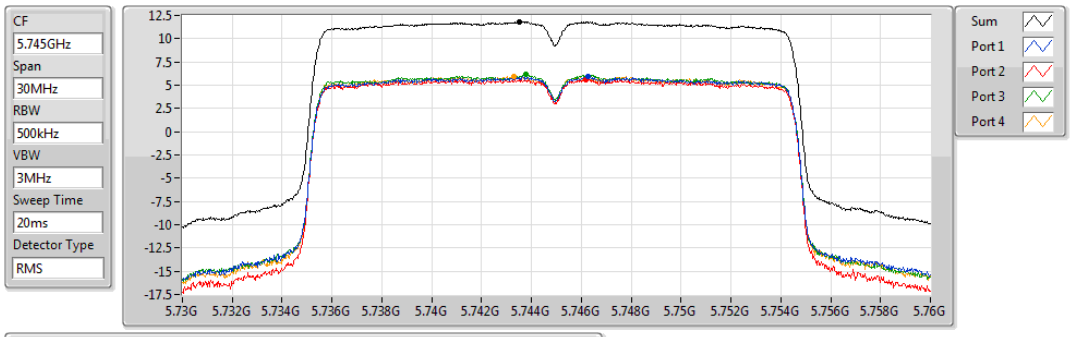


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	4.47	4.99	4.87	4.85

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5745MHz

24/01/2019

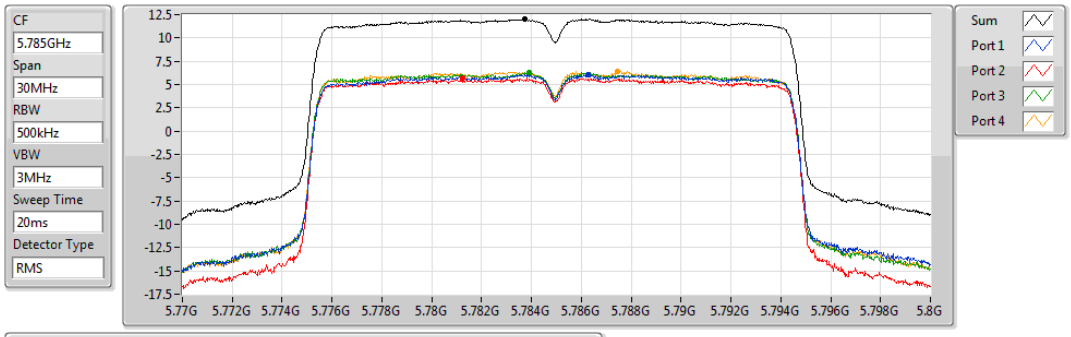


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.82	11.82	5.91	5.60	6.15	5.95

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5785MHz

24/01/2019

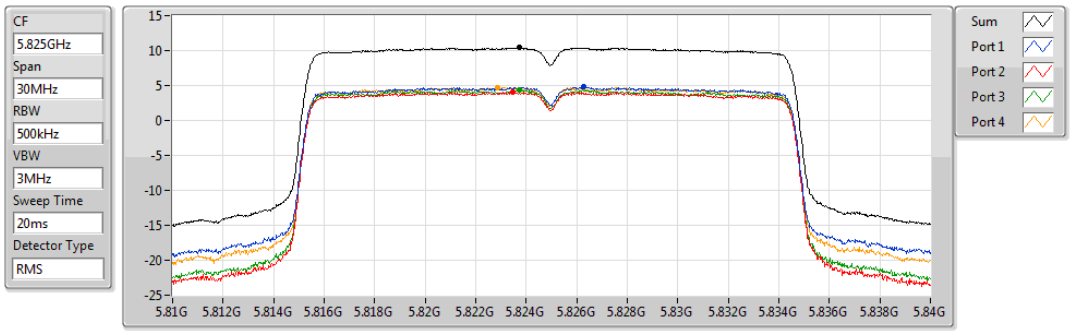


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.00	12.00	6.04	5.68	6.31	6.38

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5825MHz

24/01/2019

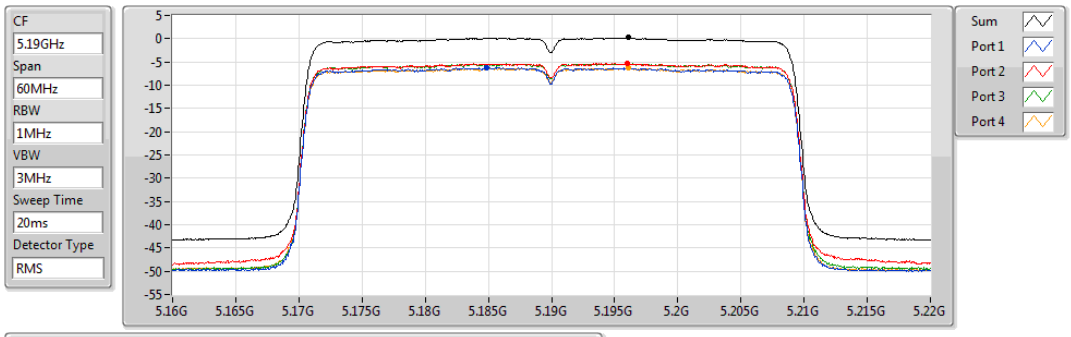


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.40	10.40	4.77	4.01	4.33	4.71

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

24/01/2019

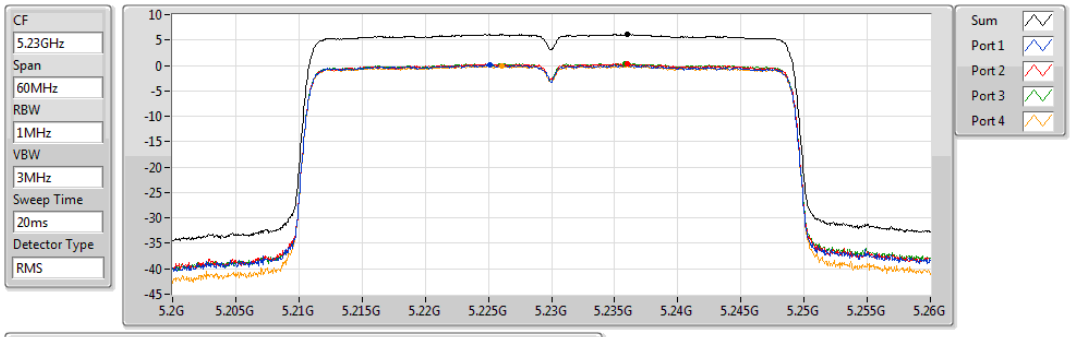


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.21	0.21	-6.25	-5.28	-5.31	-6.36

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

24/01/2019

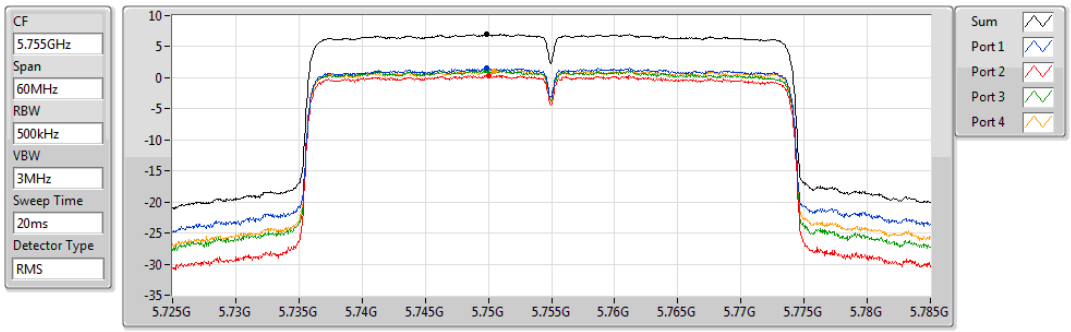


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	0.11	0.36	0.41	-0.07

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5755MHz

24/01/2019

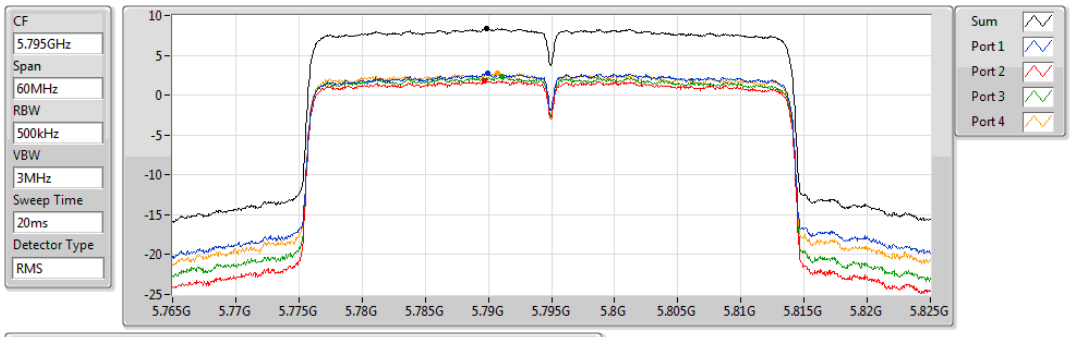


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	1.51	0.37	1.17	1.12

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5795MHz

24/01/2019

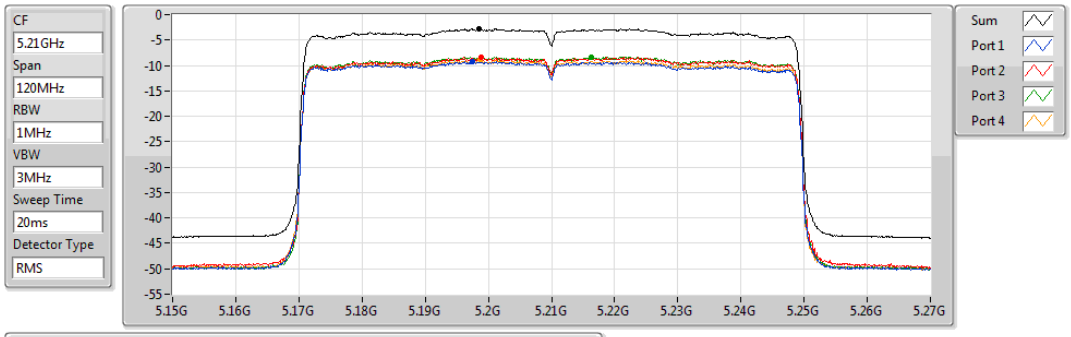


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.36	8.36	2.75	1.85	2.32	2.72

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5210MHz

24/01/2019

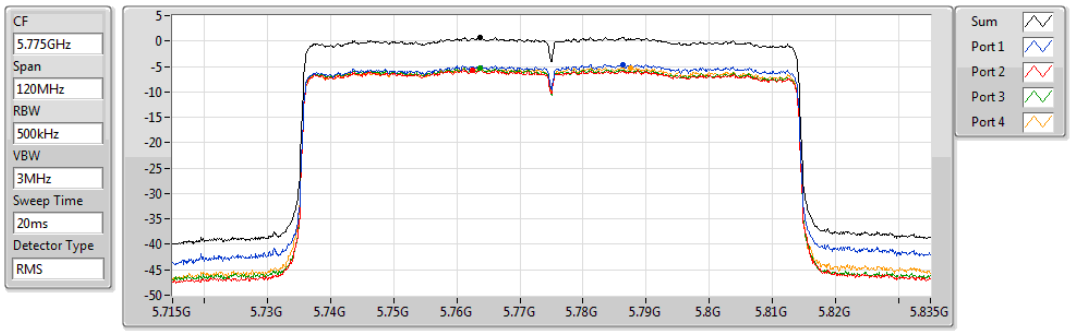


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.78	-2.78	-9.23	-8.34	-8.28	-8.87

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

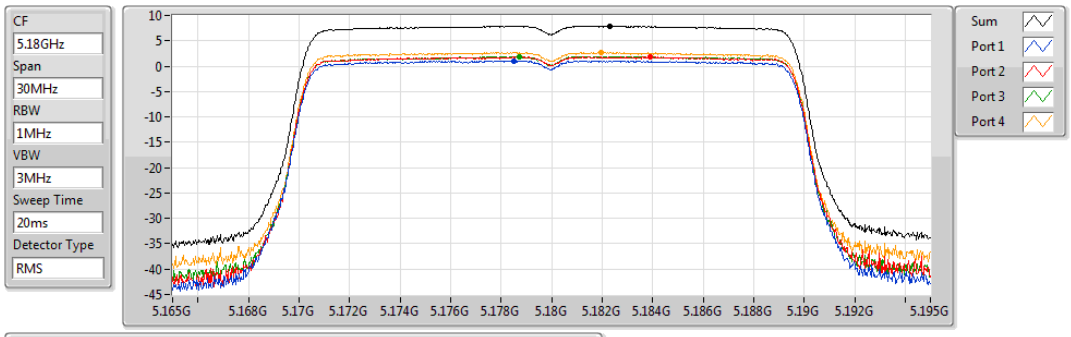
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.08	1.85	1.91	2.71	7.88	10.98
5200MHz	Pass	12.02	4.22	4.68	5.14	5.73	10.92	10.98
5240MHz	Pass	12.02	4.59	4.68	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

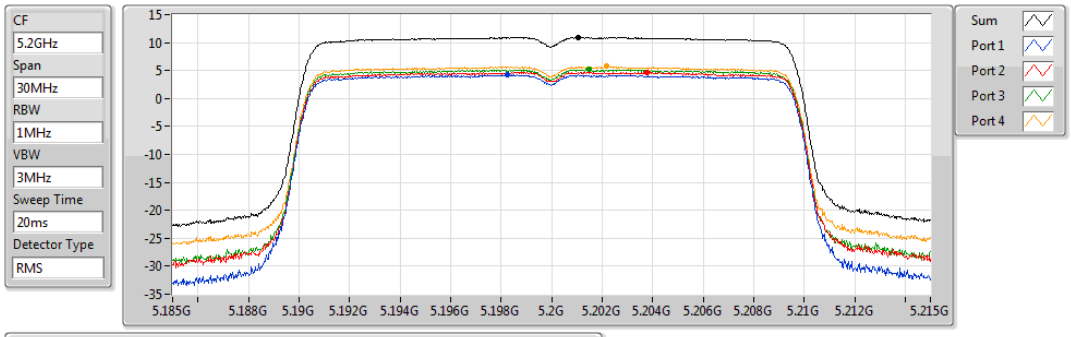


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.88	7.88	1.08	1.85	1.91	2.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5200MHz

26/01/2019

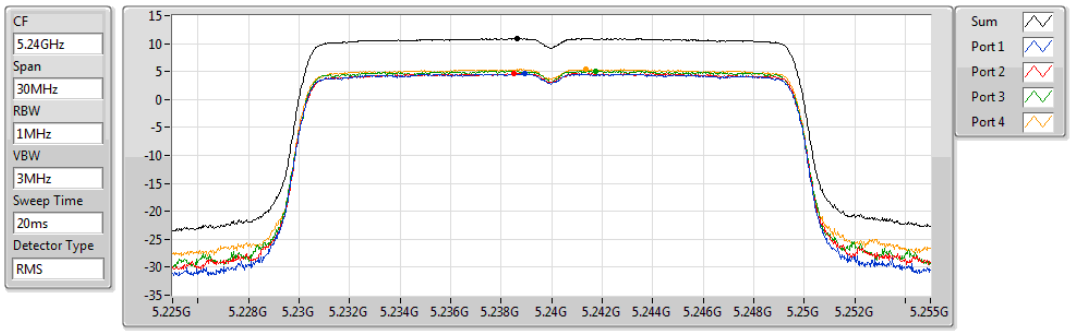


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	4.22	4.68	5.14	5.73

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5240MHz

26/01/2019

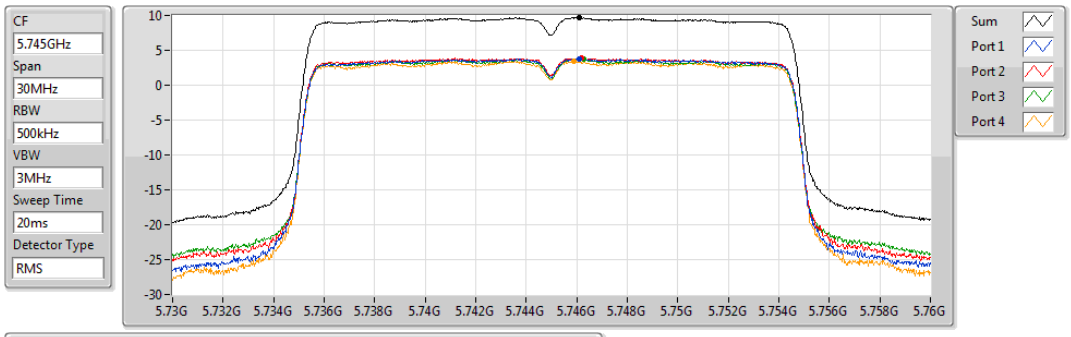


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.91	10.91	4.59	4.68	5.12	5.42

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5745MHz

26/01/2019

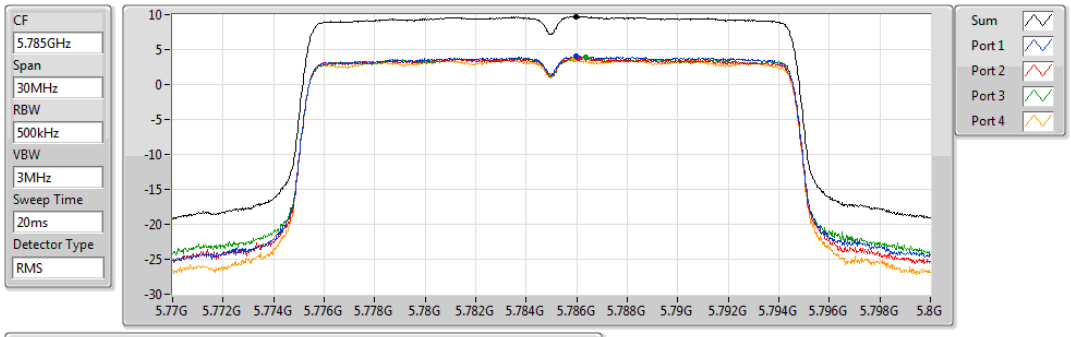


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.66	9.66	3.77	3.90	3.72	3.40

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5785MHz

26/01/2019

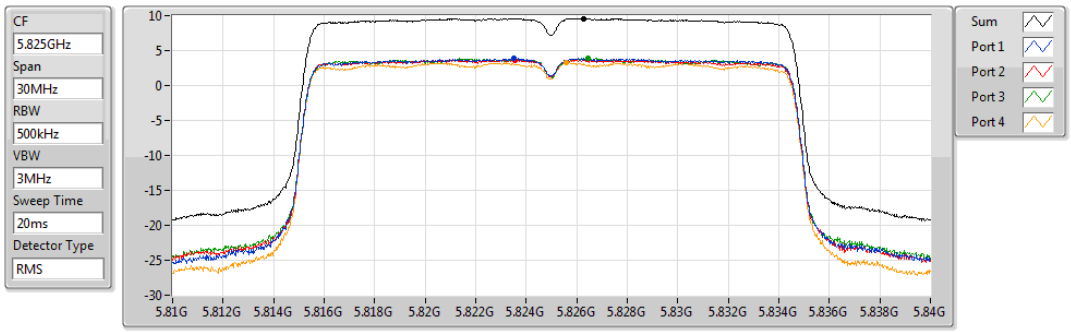


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.73	9.73	4.00	3.77	3.90	3.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5825MHz

26/01/2019

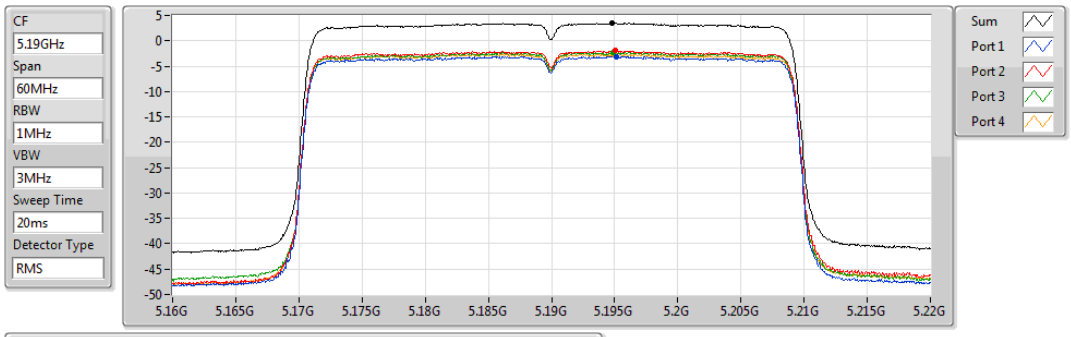


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	3.95	3.67	3.90	3.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

26/01/2019

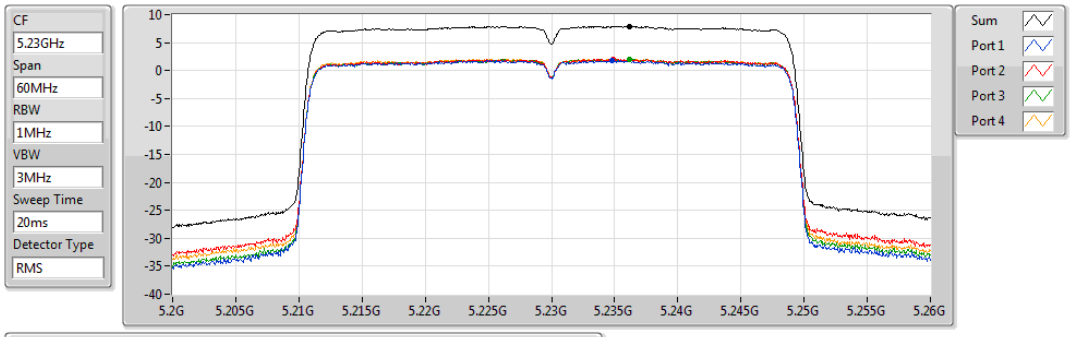


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	-3.10	-1.97	-2.27	-2.68

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

26/01/2019

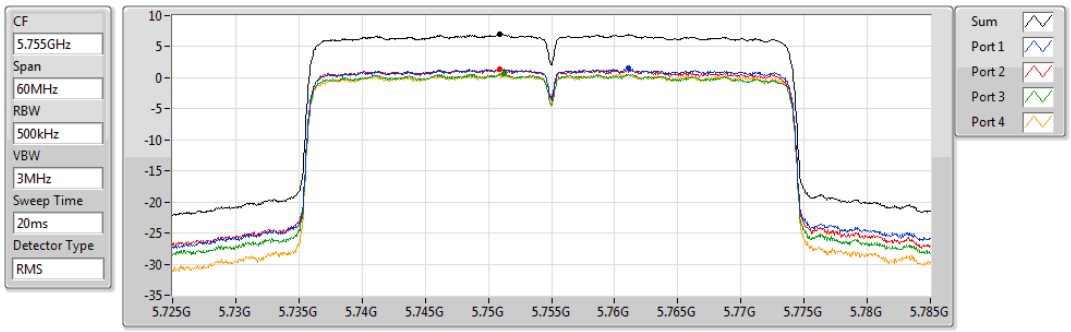


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.93	7.93	1.82	2.05	2.05	2.07

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5755MHz

26/01/2019

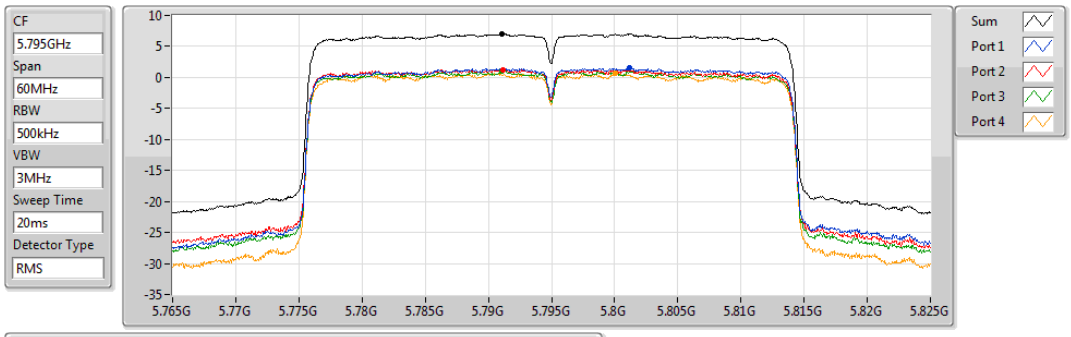


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.95	6.95	1.48	1.36	0.76	0.57

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5795MHz

26/01/2019

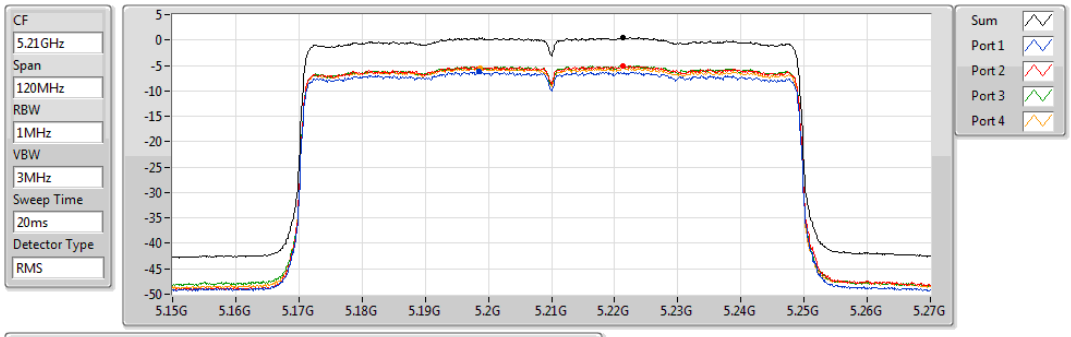


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	1.49	1.28	1.05	0.67

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz

26/01/2019

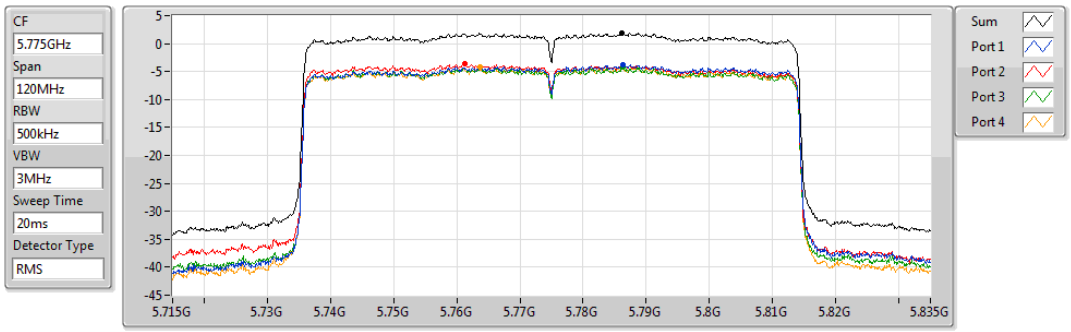


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	-6.24	-5.10	-5.00	-5.45

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

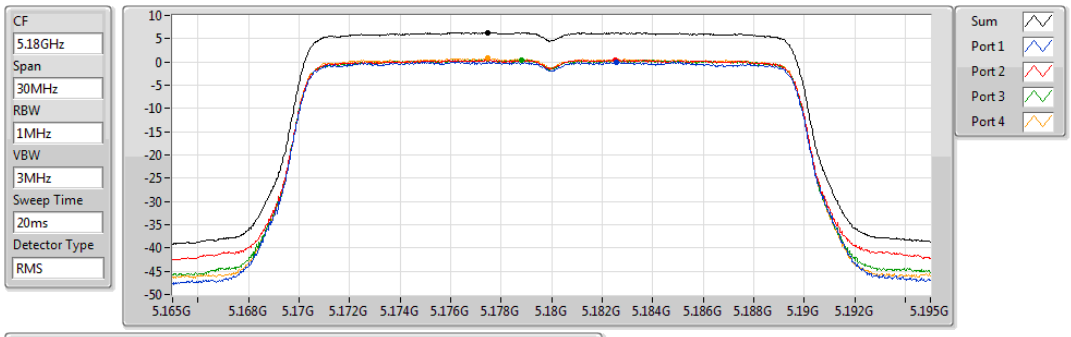
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	-0.00	0.43	0.45	0.75	6.31	17.00
5200MHz	Pass	6.00	4.26	4.37	4.65	4.66	10.33	17.00
5240MHz	Pass	6.00	5.91	5.79	5.98	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

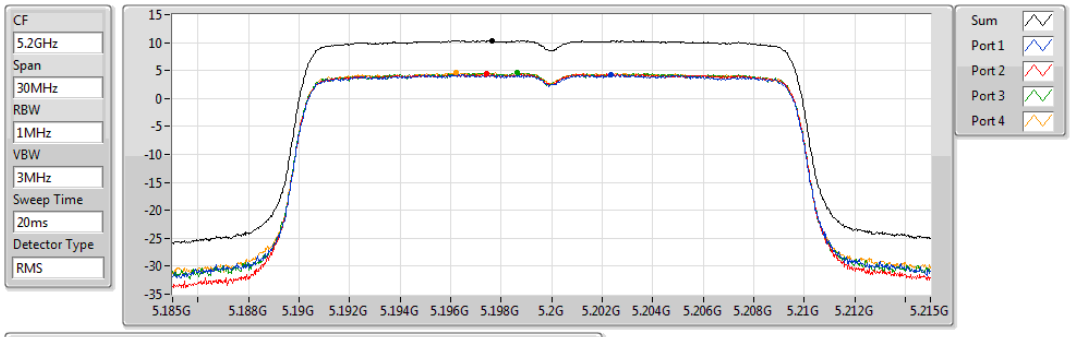


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.31	6.31	-0.00	0.43	0.45	0.75

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5200MHz

24/01/2019

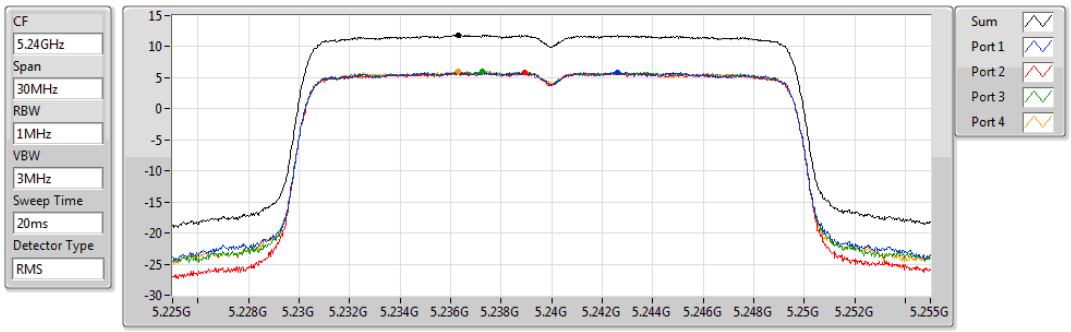


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.33	10.33	4.26	4.37	4.65	4.66

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5240MHz

24/01/2019

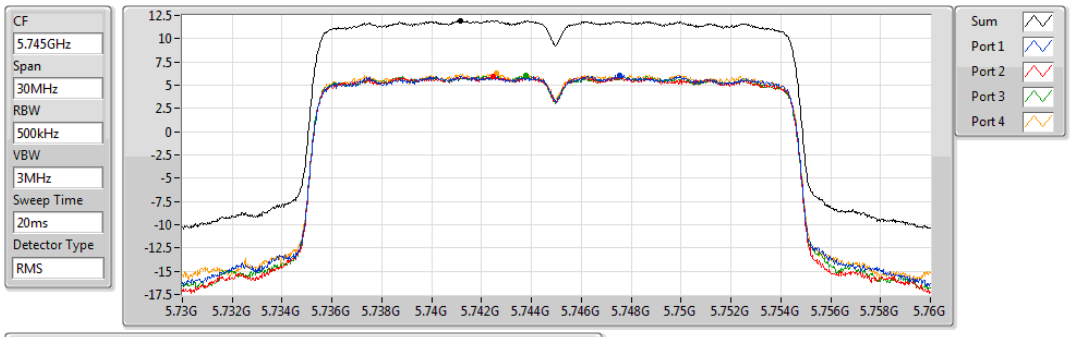


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.86	11.86	5.91	5.79	5.98	6.07

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5745MHz

24/01/2019

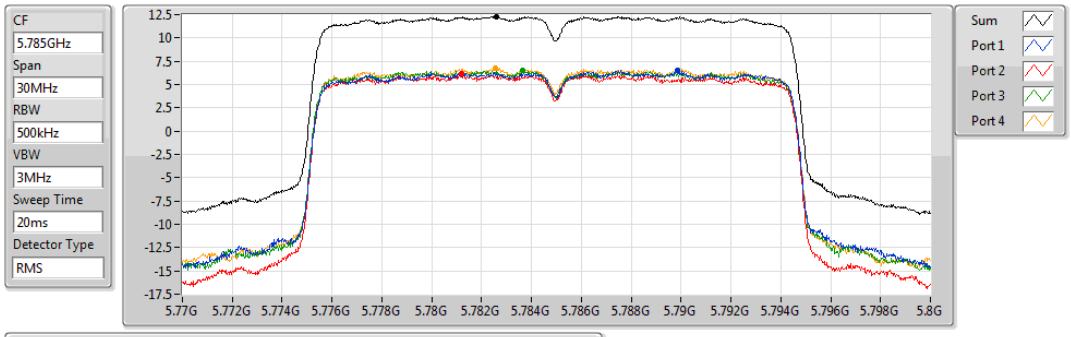


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.97	11.97	6.09	5.99	6.01	6.31

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5785MHz

24/01/2019

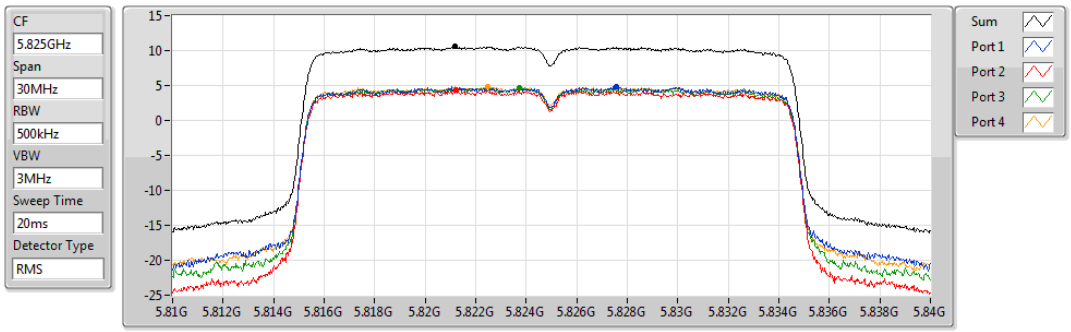


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.29	12.29	6.51	6.14	6.48	6.77

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5825MHz

24/01/2019

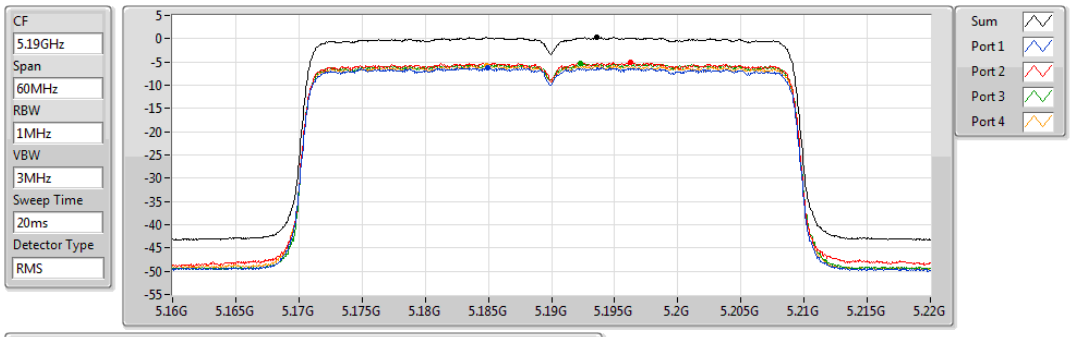


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	4.84	4.33	4.72	4.88

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz

24/01/2019

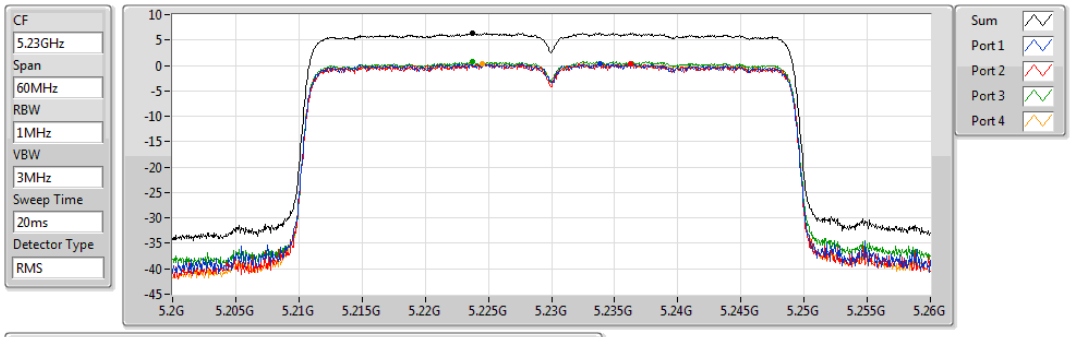


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29	-6.14	-5.16	-5.38	-5.76

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5230MHz

24/01/2019

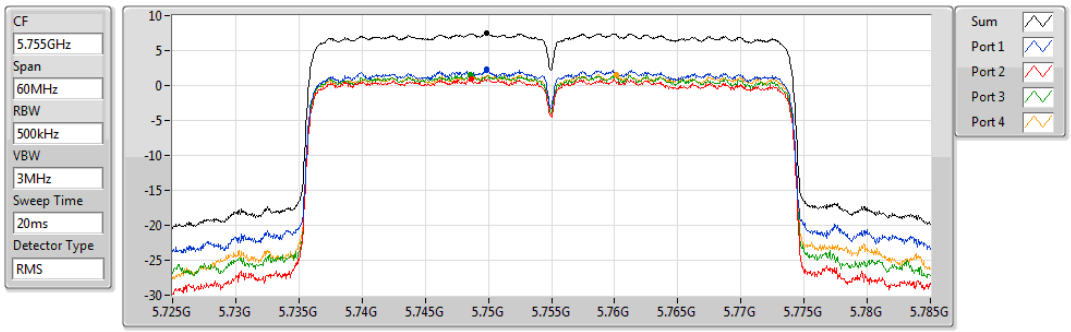


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.37	6.37	0.42	0.41	0.85	0.39

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5755MHz

24/01/2019

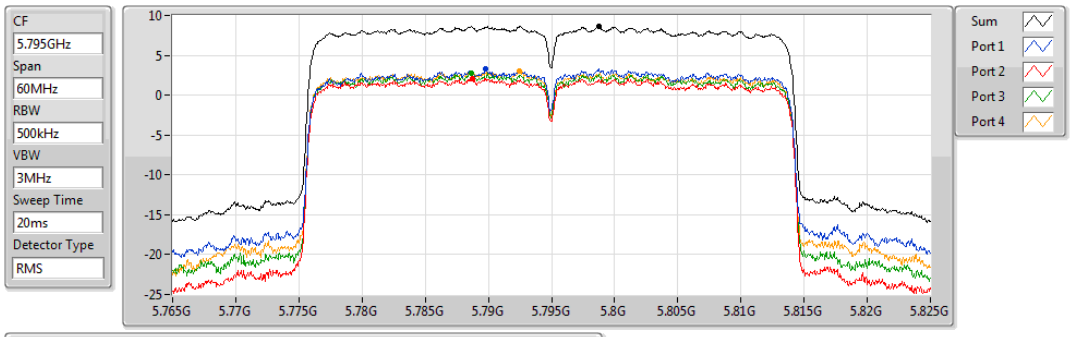


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	2.28	1.00	1.57	1.52

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5795MHz

24/01/2019

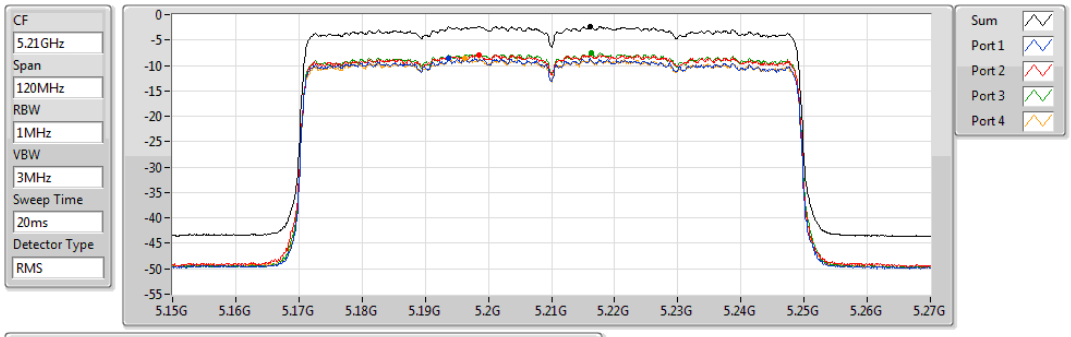


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.63	8.63	3.26	2.11	2.73	2.97

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

5210MHz

24/01/2019

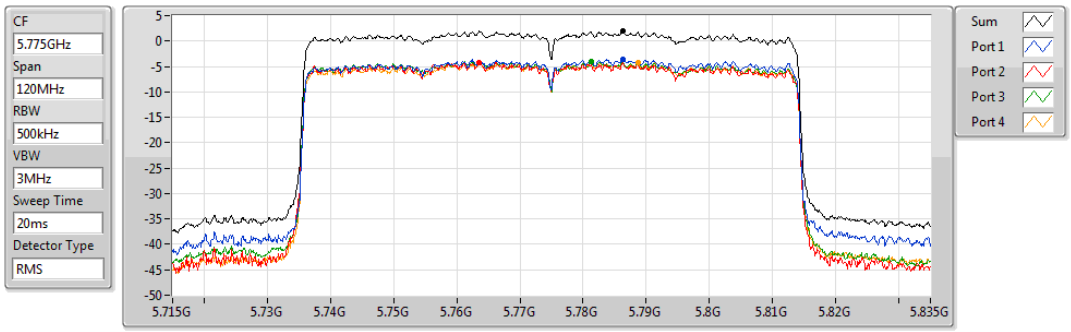


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.29	-2.29	-8.63	-7.85	-7.47	-8.67

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

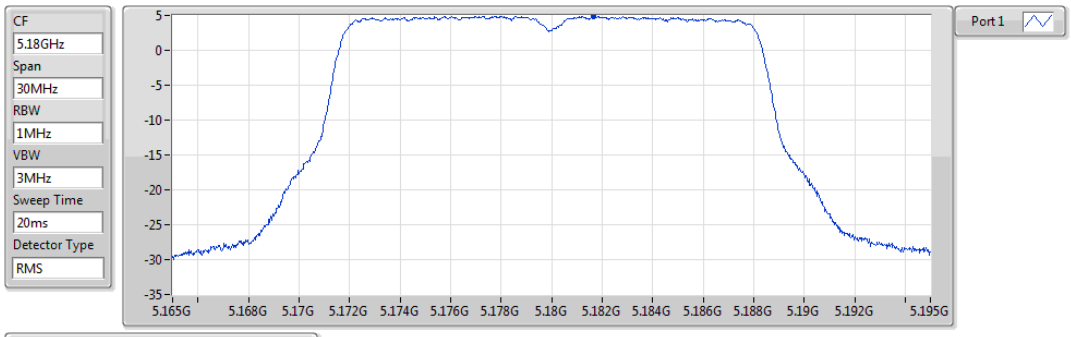
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	4.89	4.89	14.30
5200MHz	Pass	8.70	6.21	6.21	14.30
5240MHz	Pass	8.70	5.55	5.55	14.30
5745MHz	Pass	8.70	6.86	6.86	27.30
5785MHz	Pass	8.70	8.03	8.03	27.30
5825MHz	Pass	8.70	8.03	8.03	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

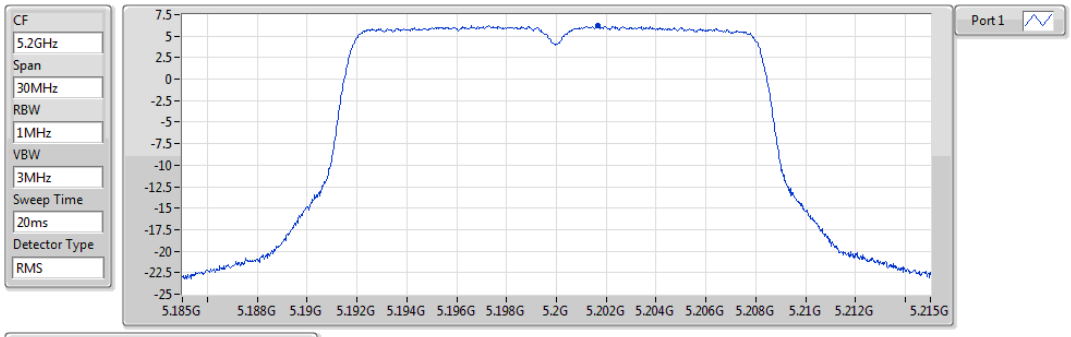


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.89	4.89	4.89

802.11a_Nss1,(6Mbps)_1TX PSD

5200MHz

01/02/2019

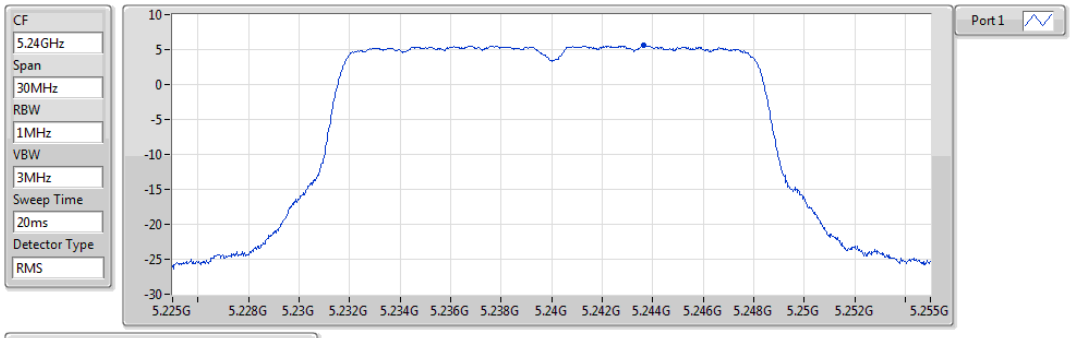


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11a_Nss1,(6Mbps)_1TX PSD

5240MHz

01/02/2019

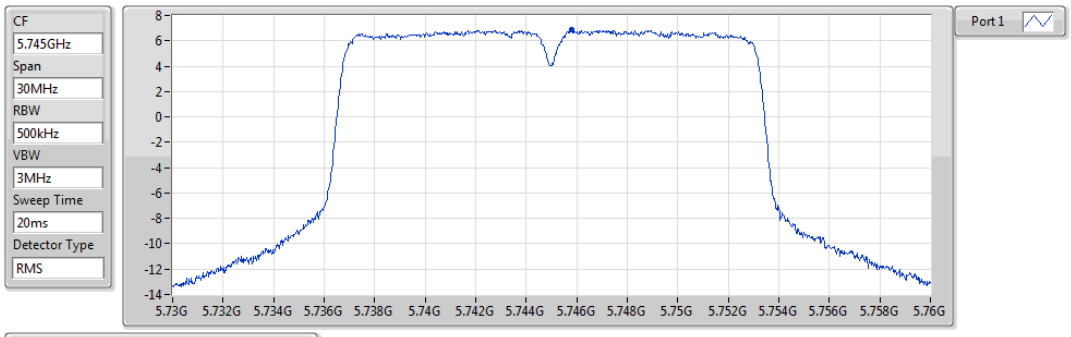


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.55	5.55	5.55

802.11a_Nss1,(6Mbps)_1TX PSD

5745MHz

01/02/2019

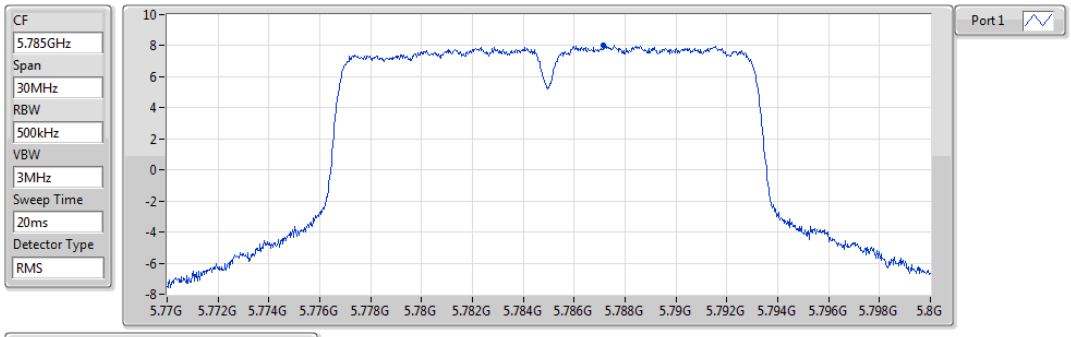


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.86	6.86	6.86

802.11a_Nss1,(6Mbps)_1TX PSD

5785MHz

01/02/2019

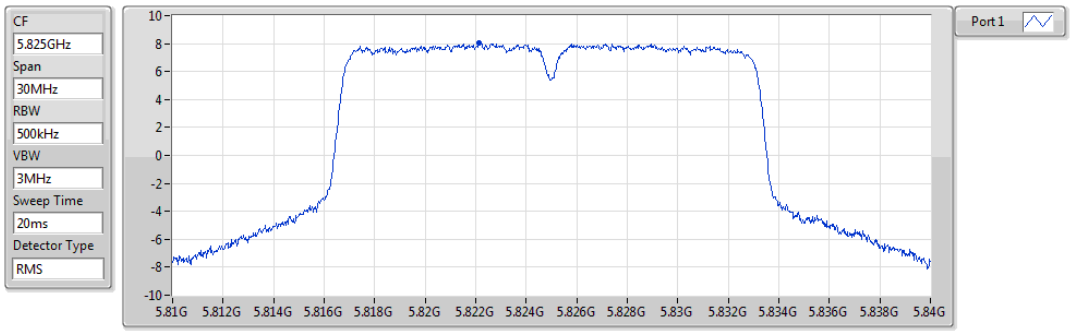


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	8.03

802.11a_Nss1,(6Mbps)_1TX PSD

5825MHz

01/02/2019

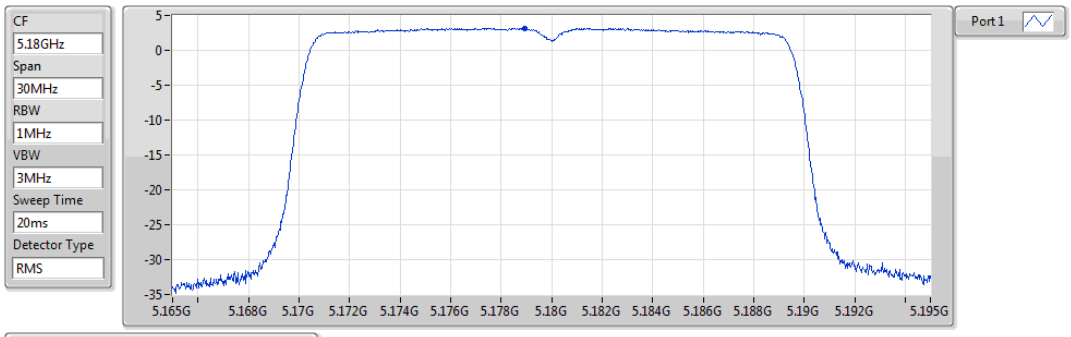


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	8.03

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

5180MHz

01/02/2019

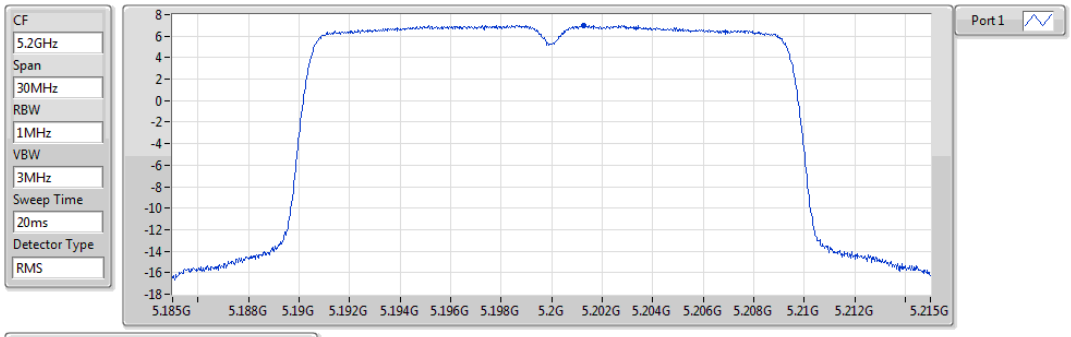


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.18	3.18	3.18

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

5200MHz

01/02/2019

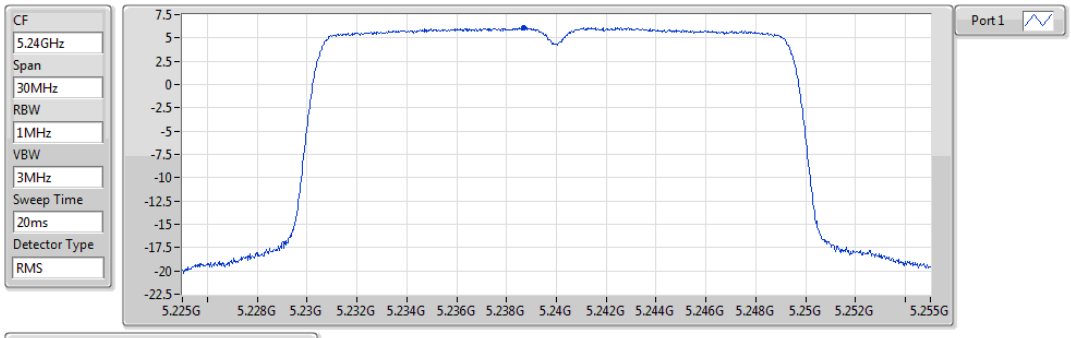


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.01	7.01	7.01

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

5240MHz

01/02/2019

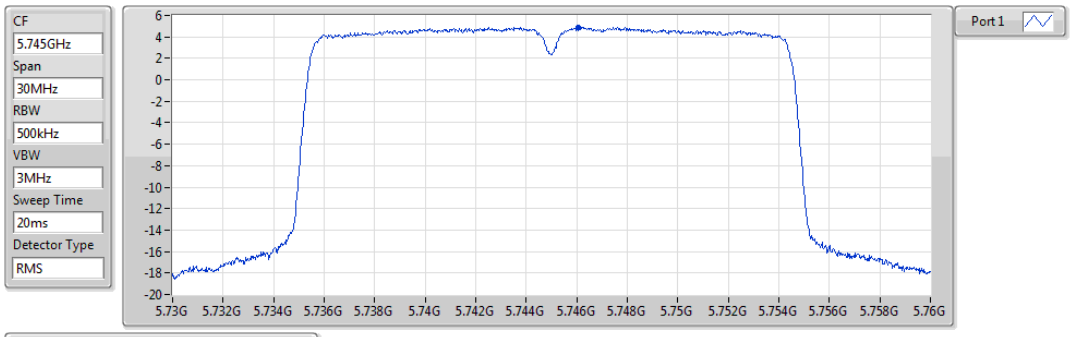


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	6.13

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5745MHz

01/02/2019

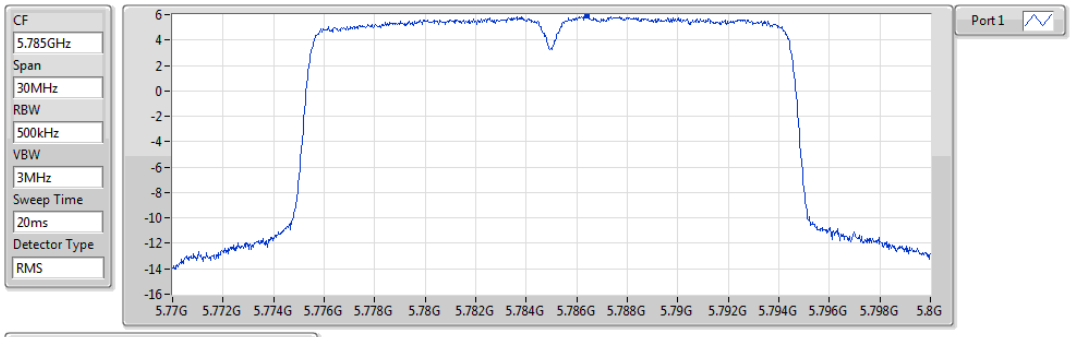


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.89	4.89	4.89

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5785MHz

01/02/2019

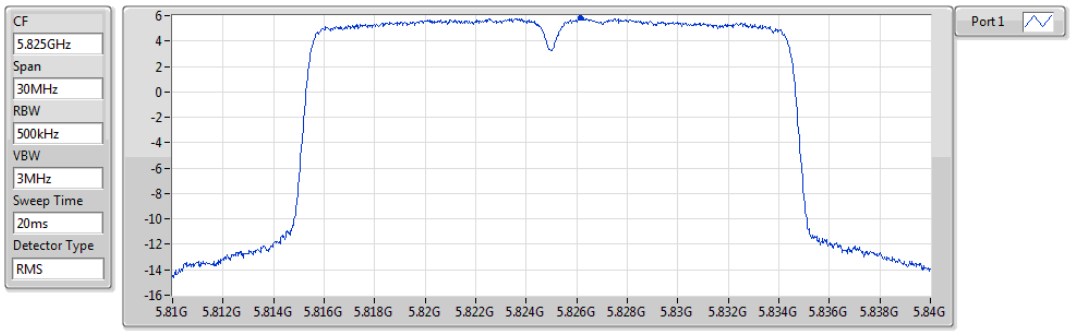


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.91	5.91	5.91

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5825MHz

01/02/2019

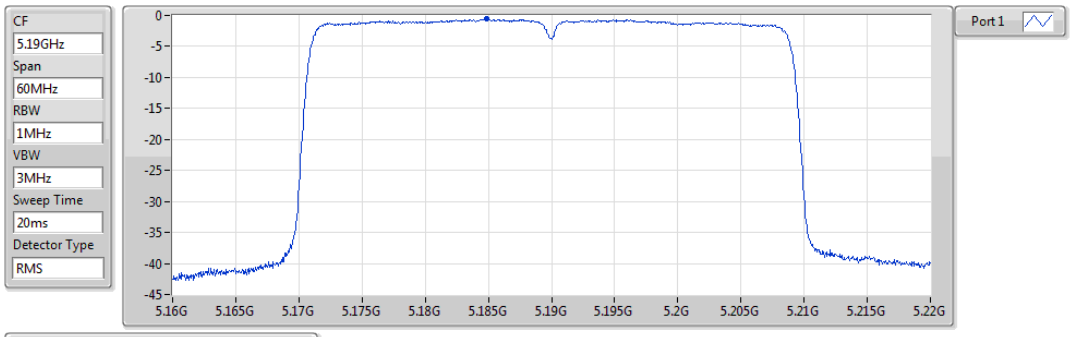


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.87	5.87	5.87

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5190MHz

01/02/2019

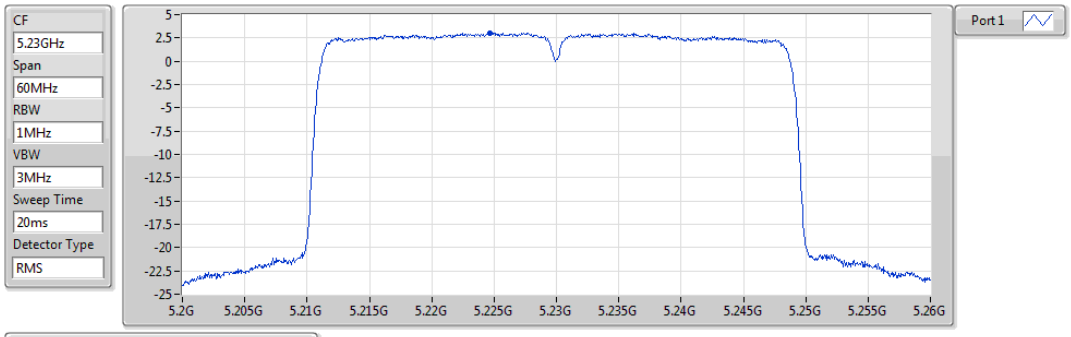


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-0.59

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5230MHz

01/02/2019

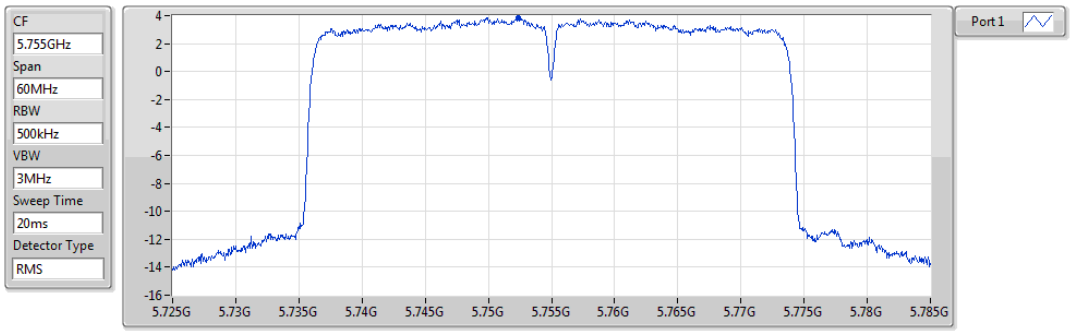


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	3.04

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5755MHz

01/02/2019

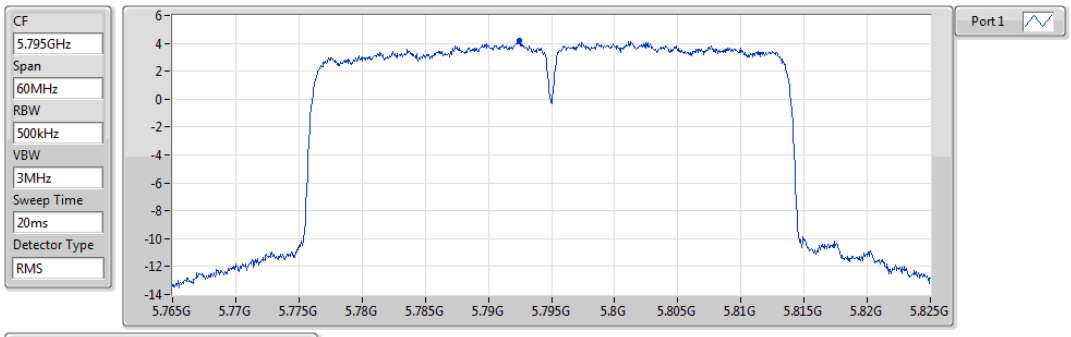


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.84	3.84	3.84

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5795MHz

01/02/2019

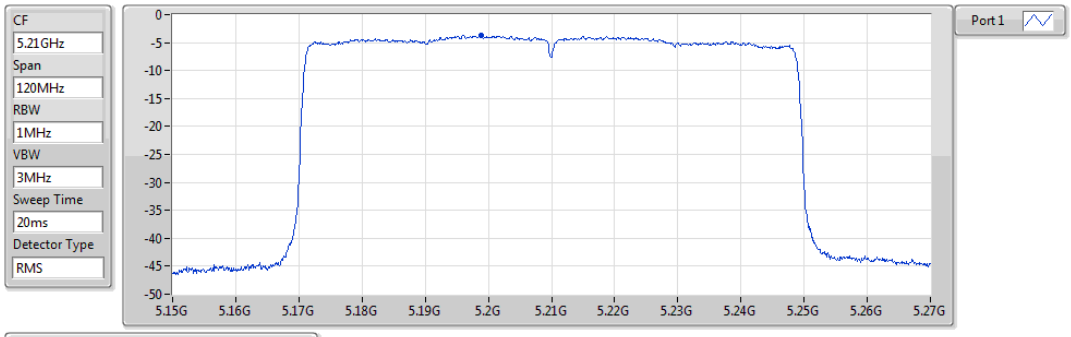


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.18	4.18	4.18

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz

01/02/2019

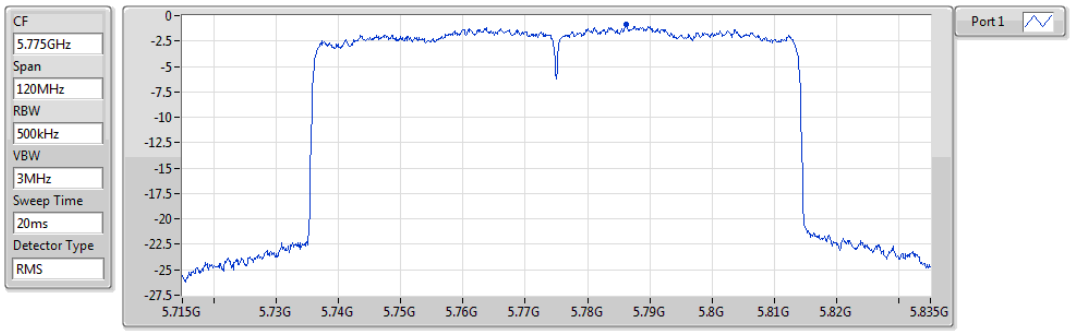


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.70	-3.70	-3.70

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5775MHz

01/02/2019



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

For Non-beamforming / 2T2S mode
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	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

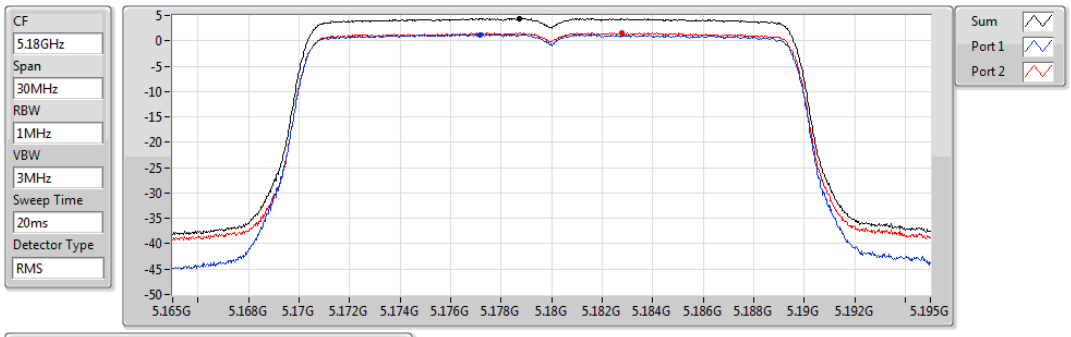
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.70	1.22	1.58	4.38	14.30
5200MHz	Pass	8.70	6.29	5.87	8.98	14.30
5240MHz	Pass	8.70	6.14	5.60	8.87	14.30
5745MHz	Pass	8.70	4.65	4.25	7.39	27.30
5785MHz	Pass	8.70	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

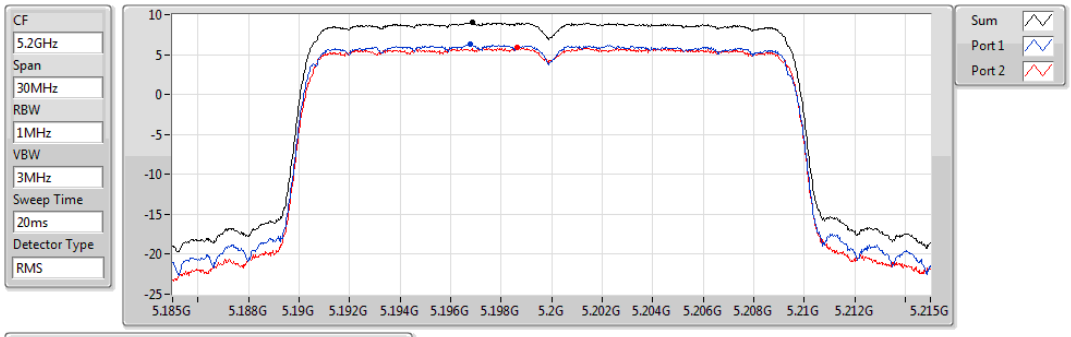


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.38	4.38	1.22	1.58

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5200MHz

01/02/2019

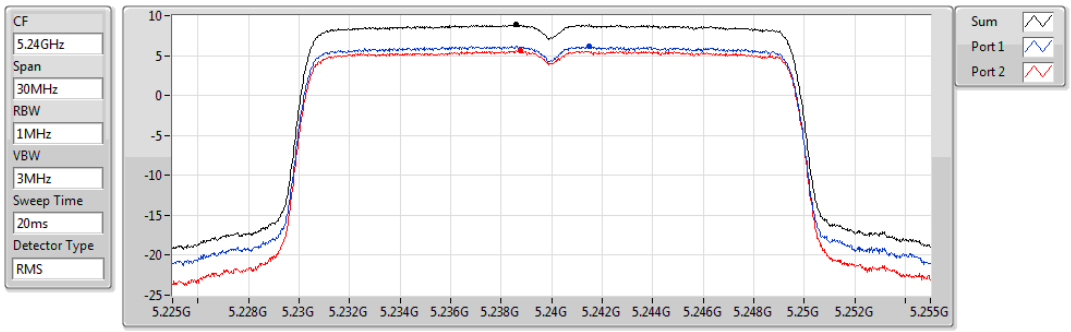


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.98	8.98	6.29	5.87

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5240MHz

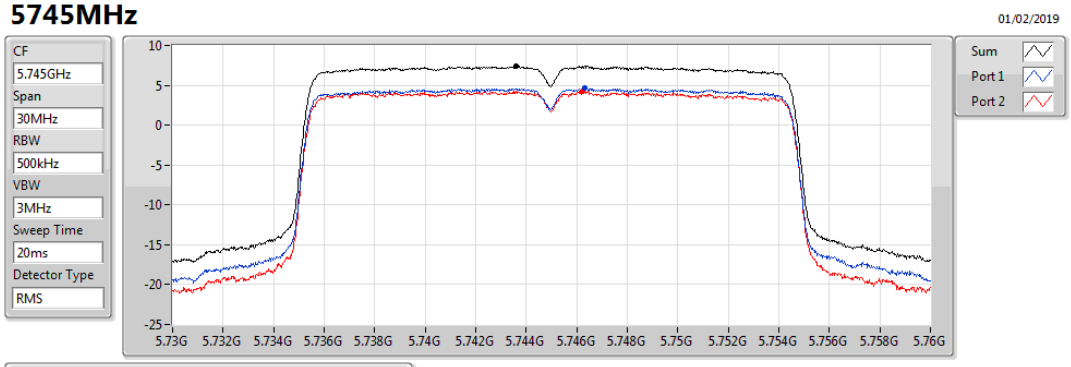
01/02/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.87	8.87	6.14	5.60

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

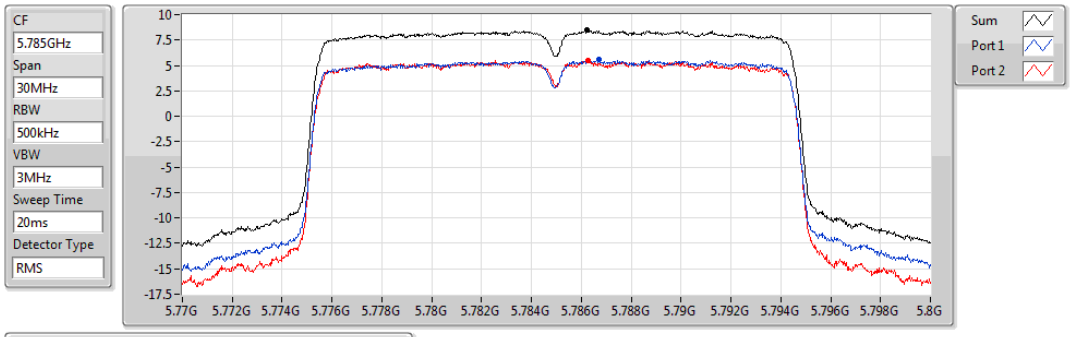
5745MHz



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

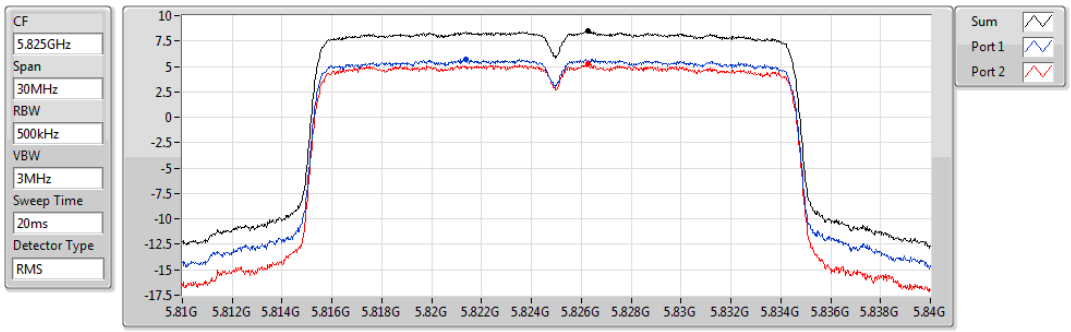
5785MHz



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

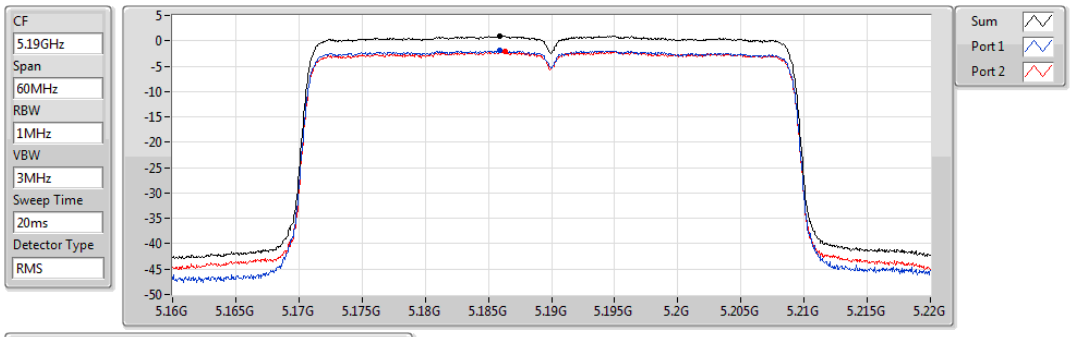


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	5.69	5.30

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5190MHz

01/02/2019

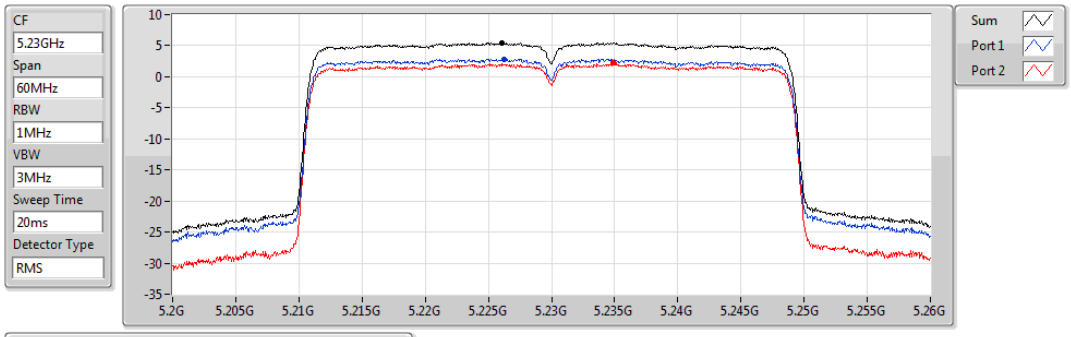


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	-1.90	-2.14

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5230MHz

01/02/2019

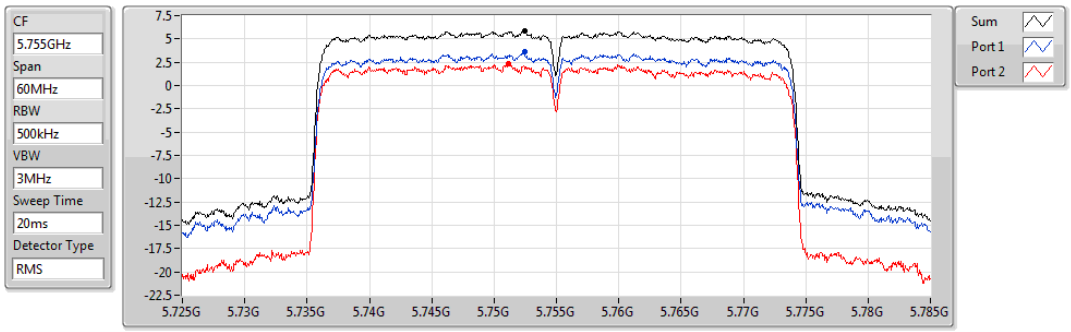


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.51	5.51	2.86	2.19

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5755MHz

01/02/2019

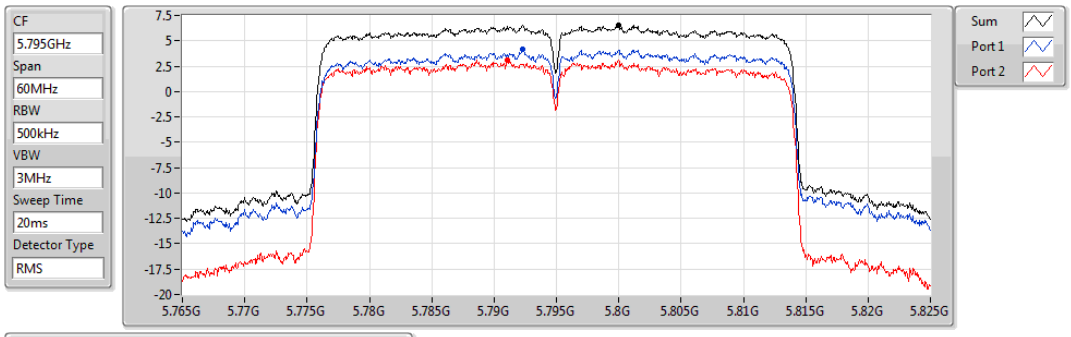


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.85	5.85	3.58	2.29

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5795MHz

01/02/2019

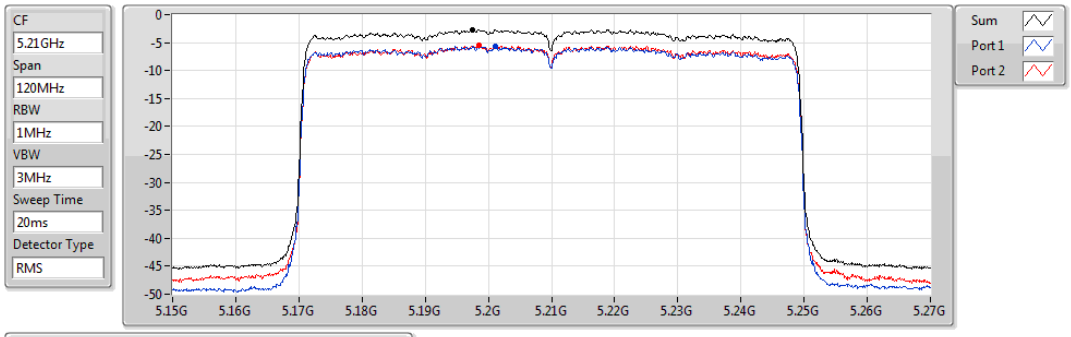


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	4.20	3.12

802.11ax HEW80_Nss2,(MCS0)_2TX PSD

5210MHz

01/02/2019

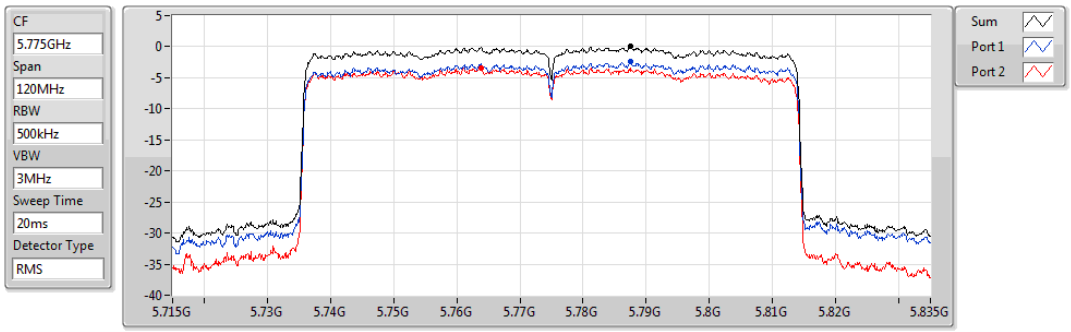


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.69	-2.69	-5.63	-5.53

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

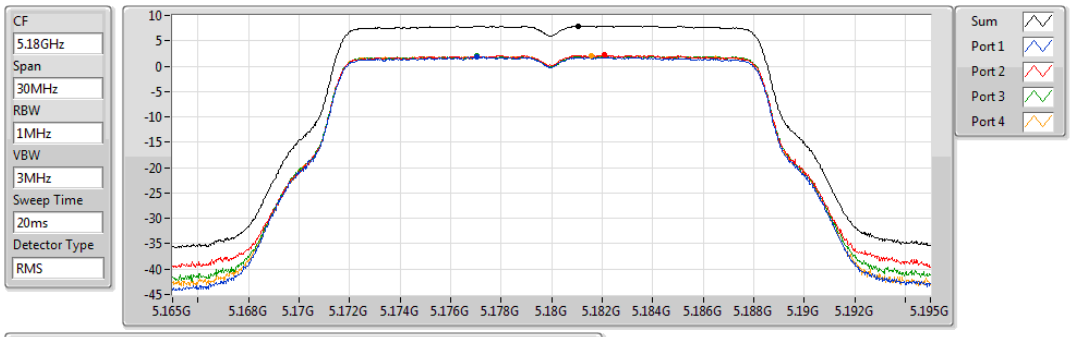
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	1.77	2.16	1.99	2.12	7.92	8.28
5200MHz	Pass	14.72	1.91	2.56	2.04	2.28	8.11	8.28
5240MHz	Pass	14.72	2.10	1.91	2.40	1.85	8.00	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

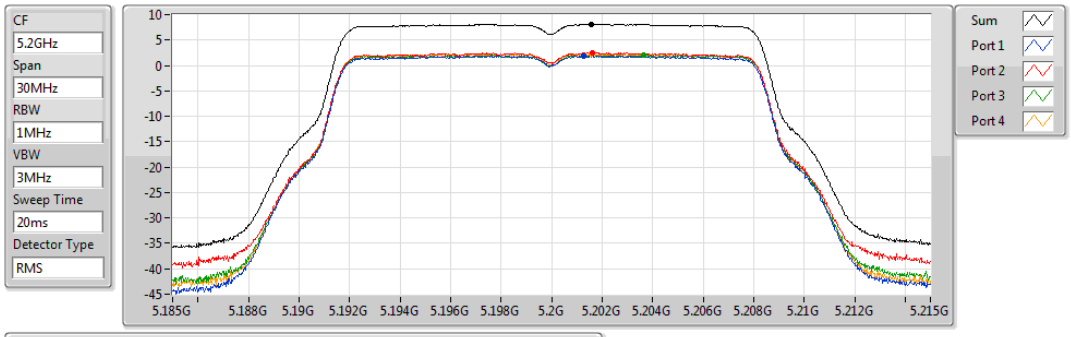


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	1.77	2.16	1.99	2.12

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

01/02/2019

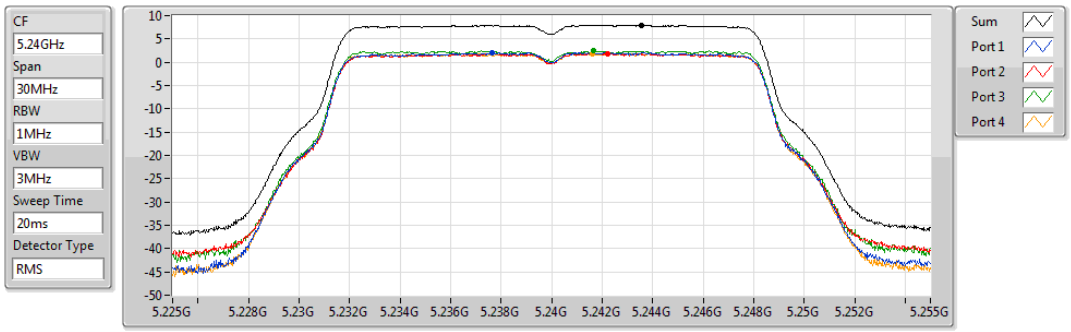


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	1.91	2.56	2.04	2.28

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

01/02/2019

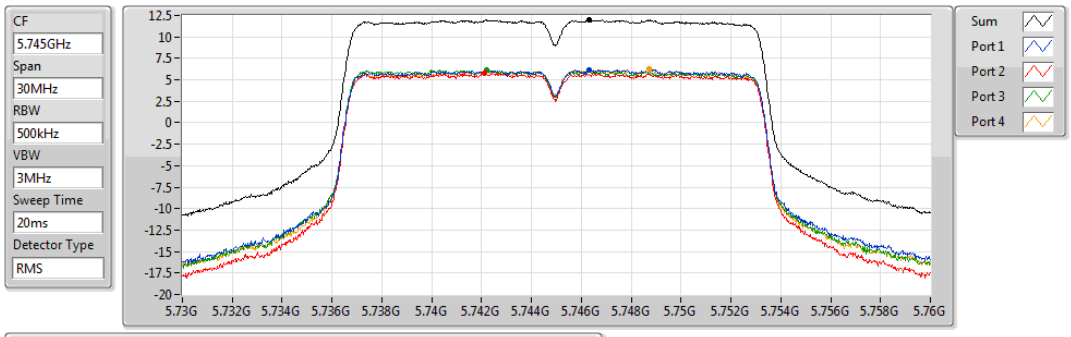


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	2.10	1.91	2.40	1.85

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

01/02/2019

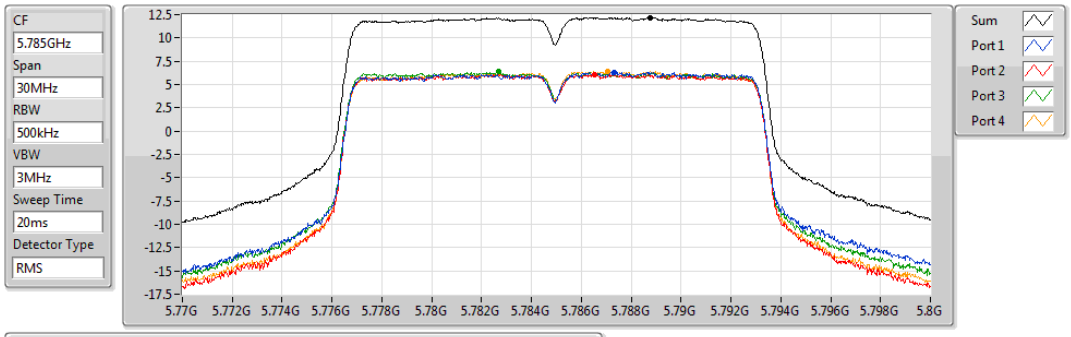


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.98	11.98	6.21	5.76	6.19	6.22

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

01/02/2019

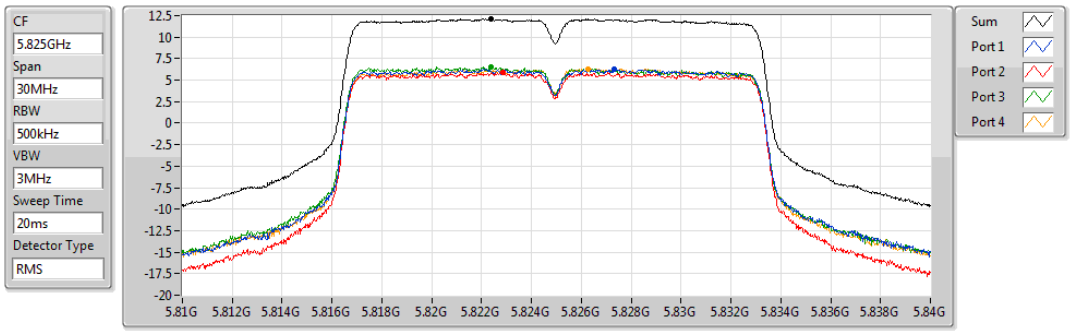


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.19	12.19	6.32	6.10	6.38	6.40

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

01/02/2019

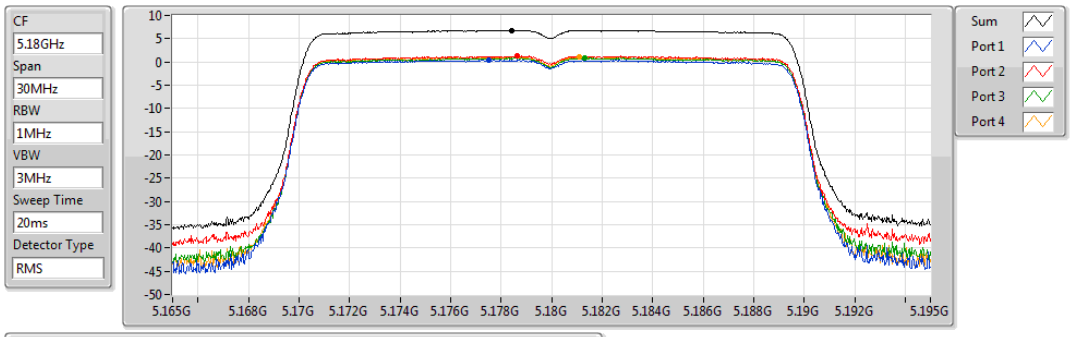


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.10	12.10	6.28	5.92	6.54	6.34

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

01/02/2019

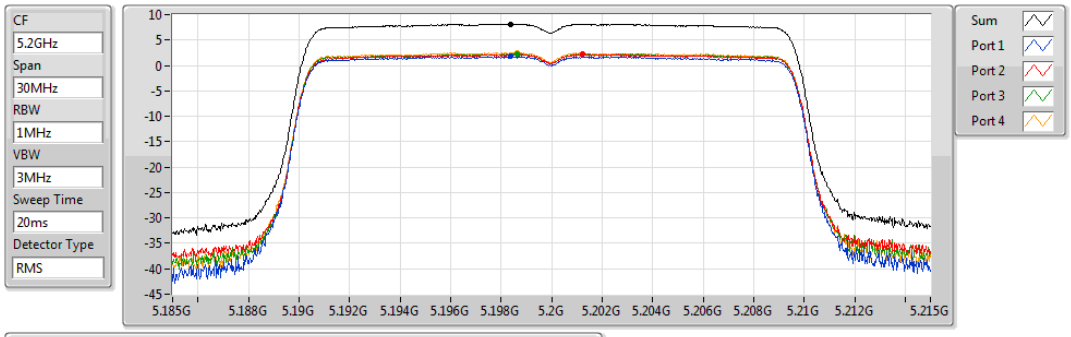


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	0.45	1.24	0.84	1.02

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

01/02/2019

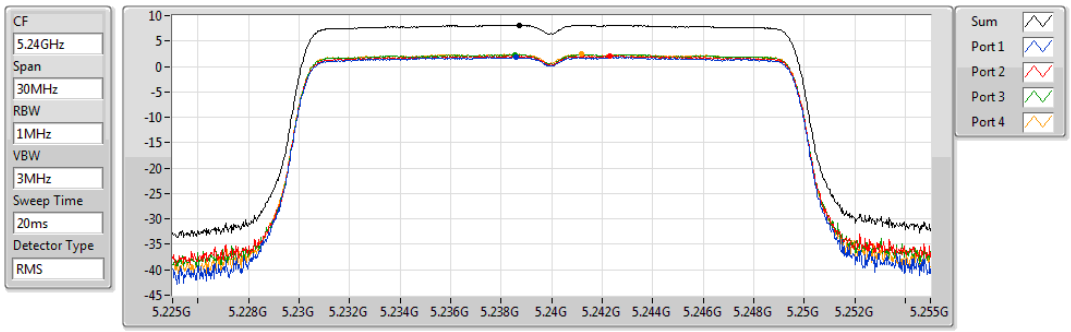


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	1.74	2.20	2.26	2.50

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

01/02/2019

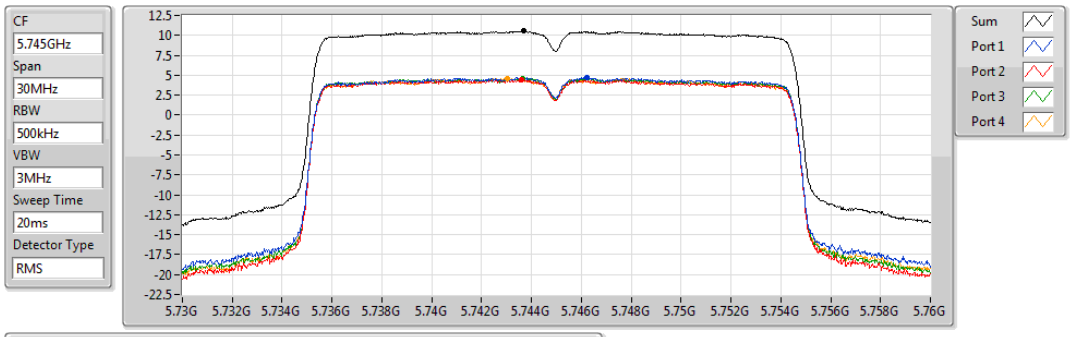


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	1.80	2.07	2.37	2.43

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5745MHz

01/02/2019

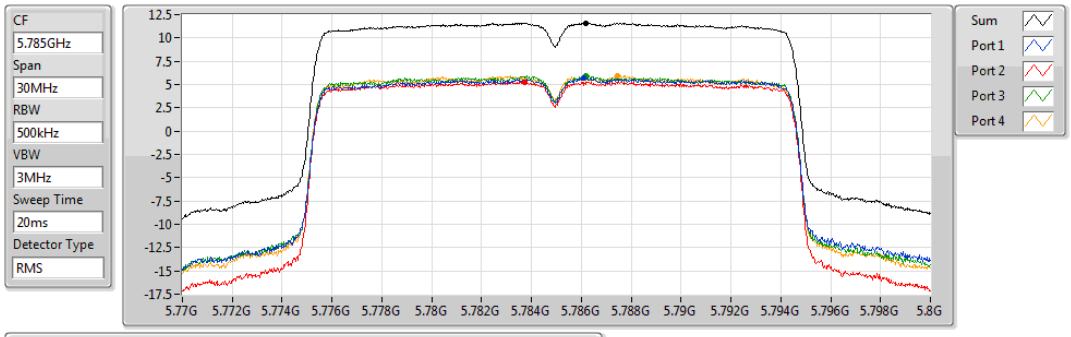


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	4.73	4.39	4.63	4.61

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5785MHz

01/02/2019

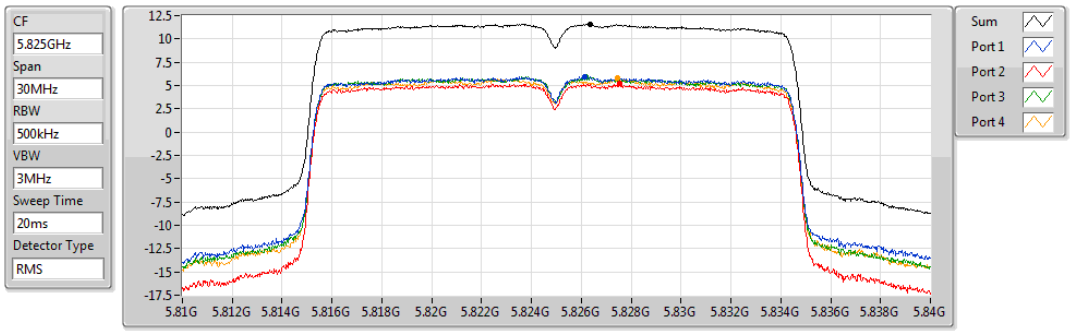


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	5.69	5.28	5.93	5.93

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5825MHz

01/02/2019

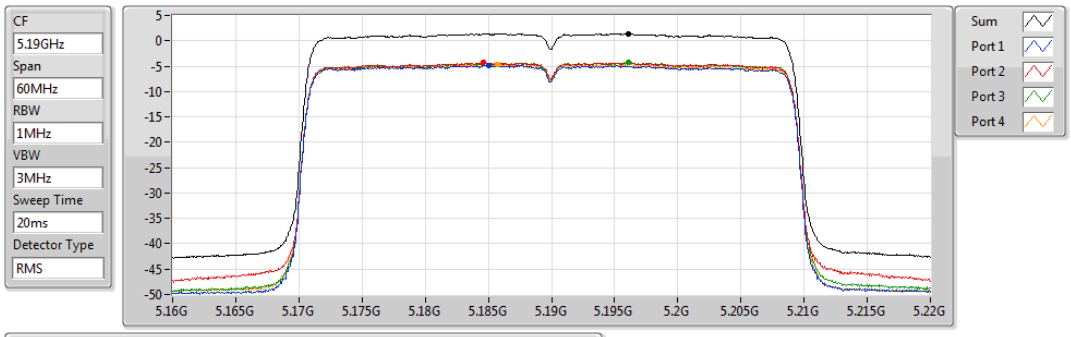


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.57	11.57	5.92	5.19	5.93	5.80

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

01/02/2019

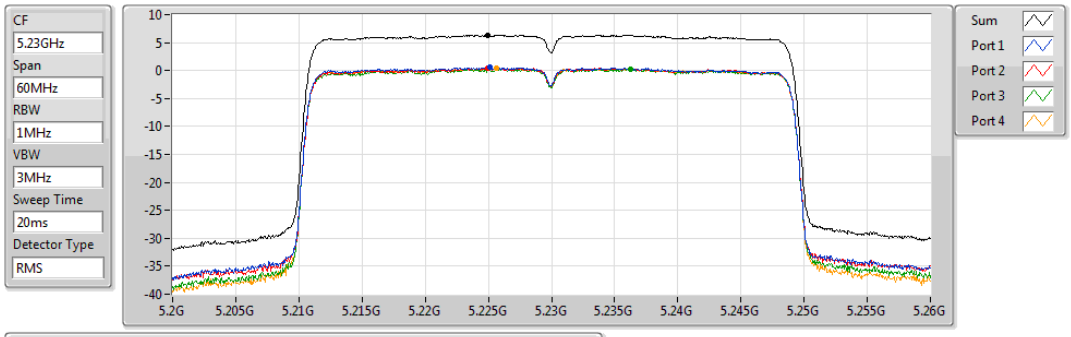


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.41	1.41	-4.83	-4.34	-4.29	-4.63

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

01/02/2019

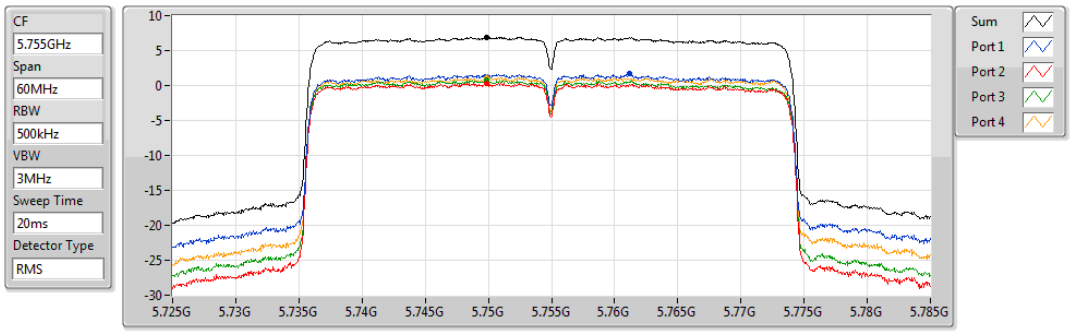


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.36	6.36	0.55	0.41	0.33	0.42

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5755MHz

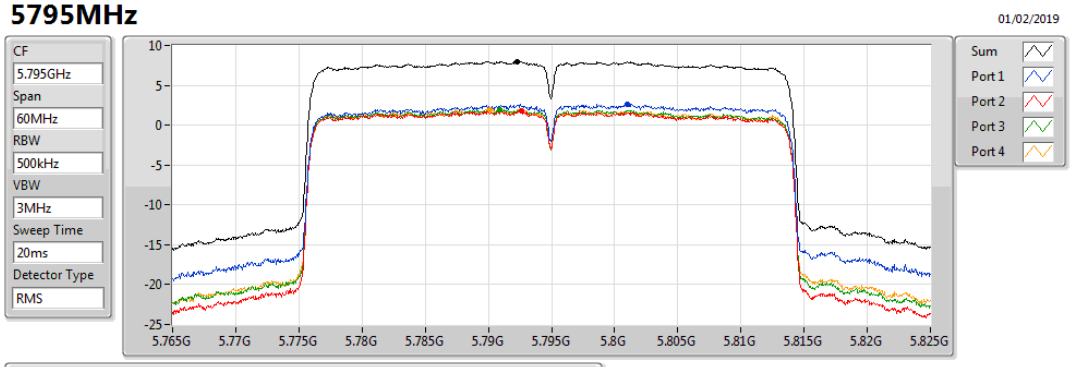
01/02/2019



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

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

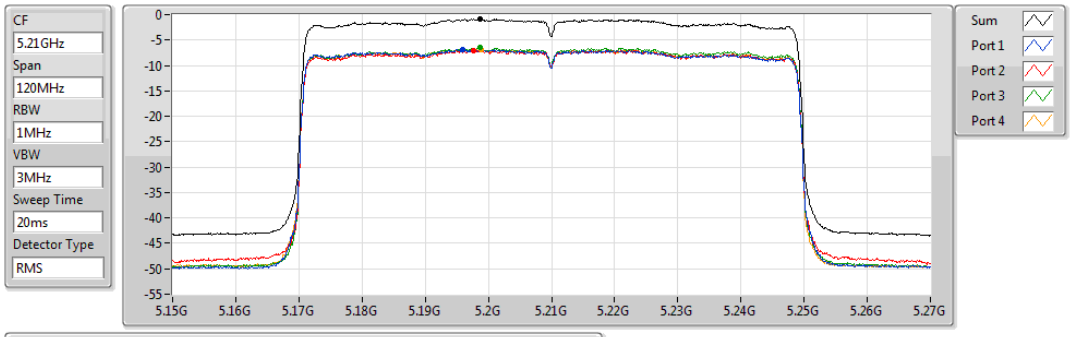
5795MHz



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

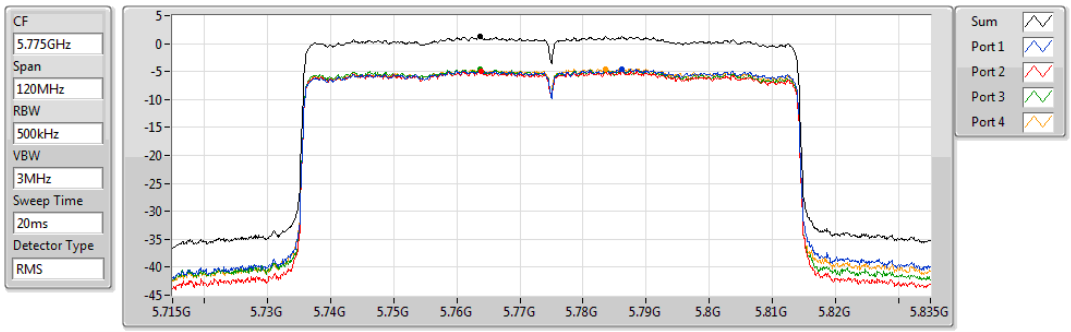
5210MHz



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



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

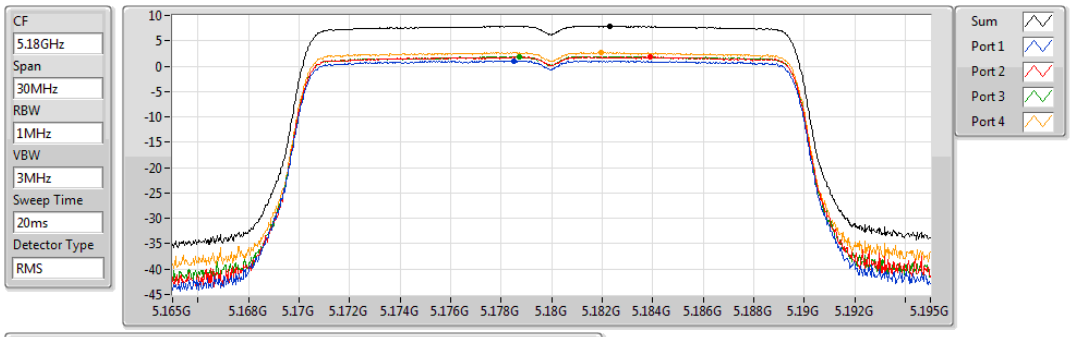
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	1.08	1.85	1.91	2.71	7.88	8.28
5200MHz	Pass	14.72	1.20	1.57	1.90	2.70	7.85	8.28
5240MHz	Pass	14.72	1.20	1.64	1.79	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

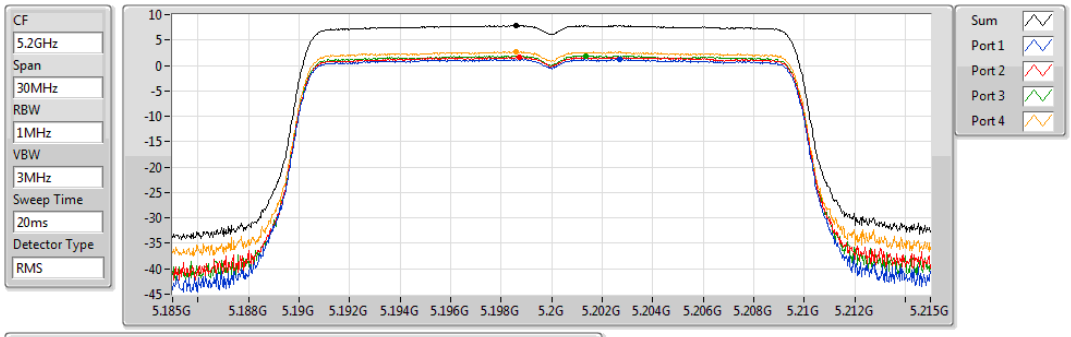


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.88	7.88	1.08	1.85	1.91	2.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5200MHz

01/02/2019

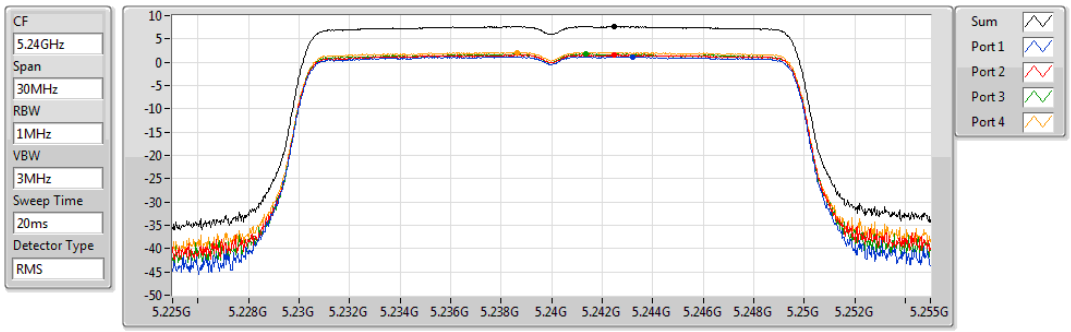


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.85	7.85	1.20	1.57	1.90	2.70

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5240MHz

01/02/2019

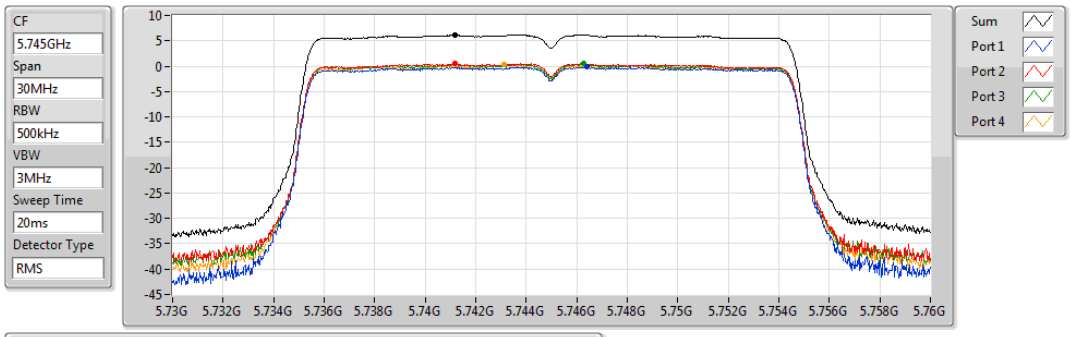


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	1.20	1.64	1.79	2.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5745MHz

01/02/2019

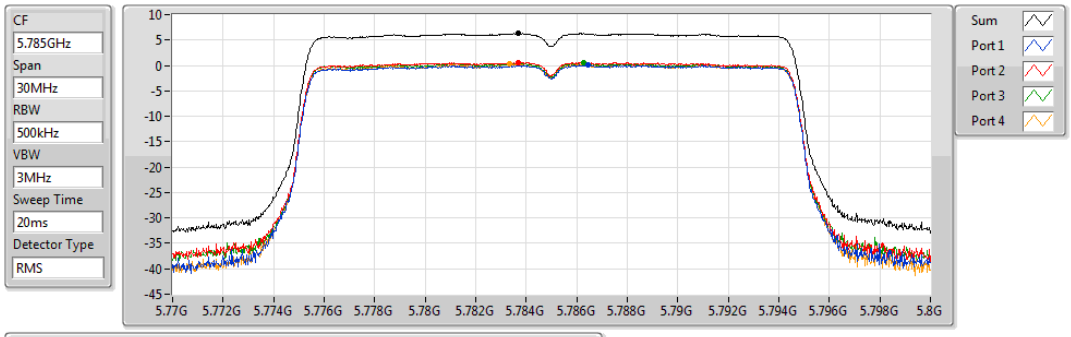


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.20	6.20	-0.18	0.53	0.44	0.33

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5785MHz

01/02/2019

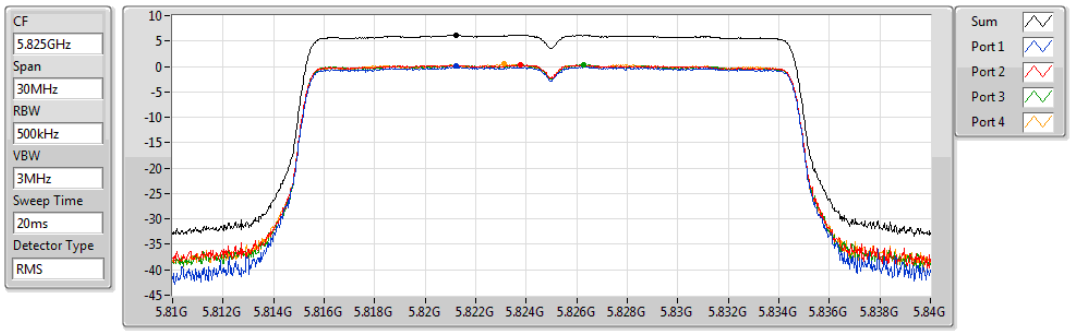


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.30	6.30	0.04	0.57	0.49	0.29

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5825MHz

01/02/2019

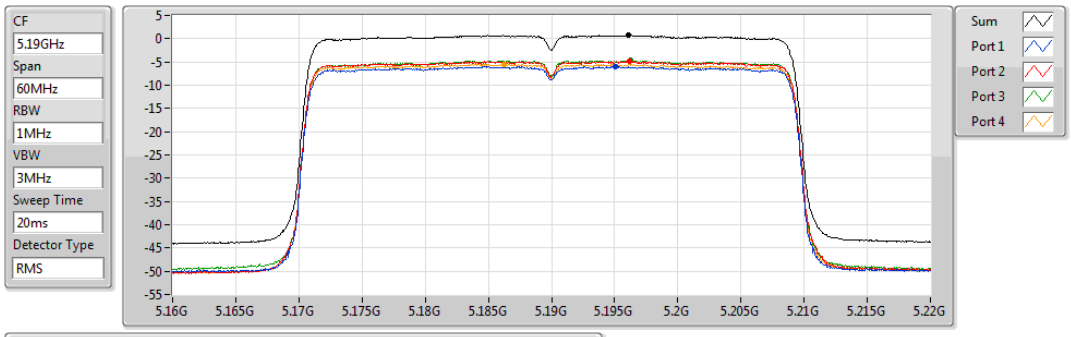


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	0.02	0.33	0.35	0.47

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

01/02/2019

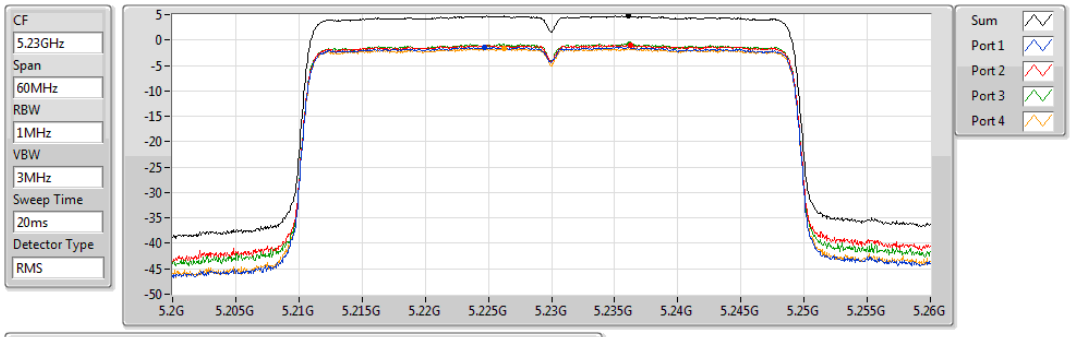


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	-5.98	-4.90	-4.64	-5.46

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

01/02/2019

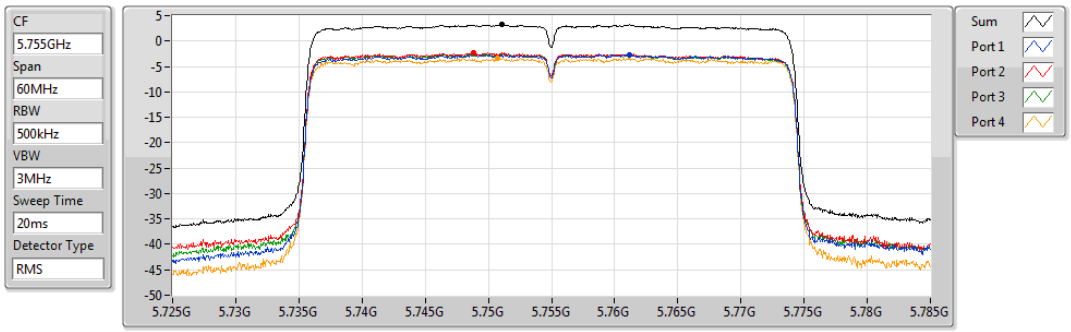


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.77	4.77	-1.34	-0.97	-0.75	-1.66

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5755MHz

01/02/2019

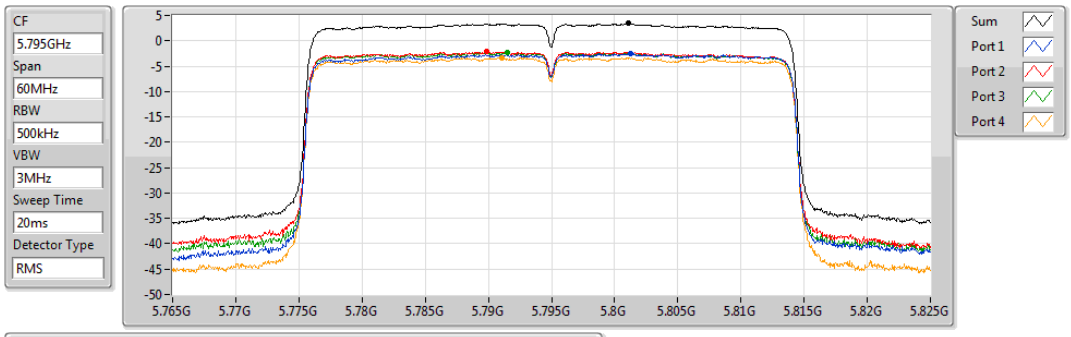


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.21	3.21	-2.67	-2.36	-2.57	-3.37

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5795MHz

01/02/2019

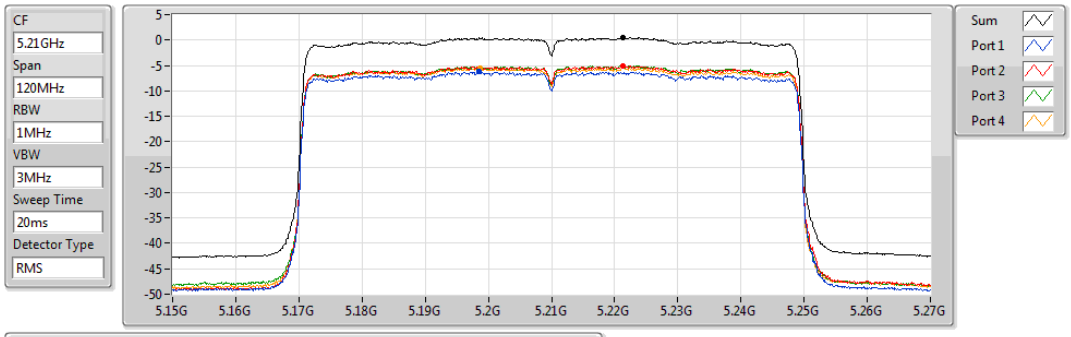


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.40	3.40	-2.50	-2.11	-2.30	-3.32

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz

26/01/2019

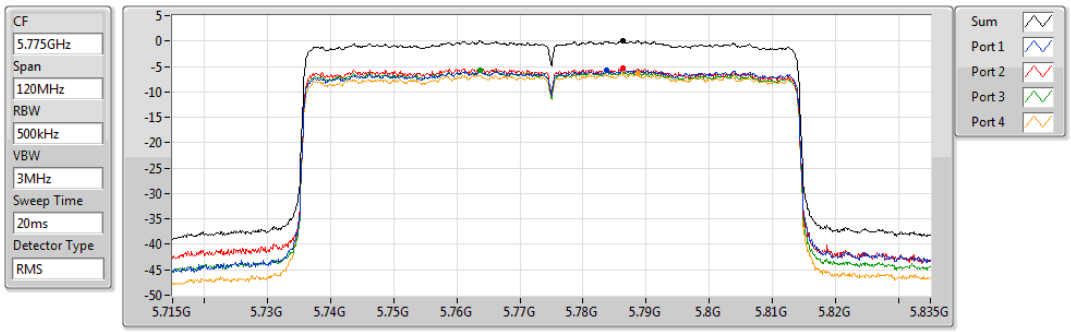


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.50	0.50	-6.24	-5.10	-5.00	-5.45

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

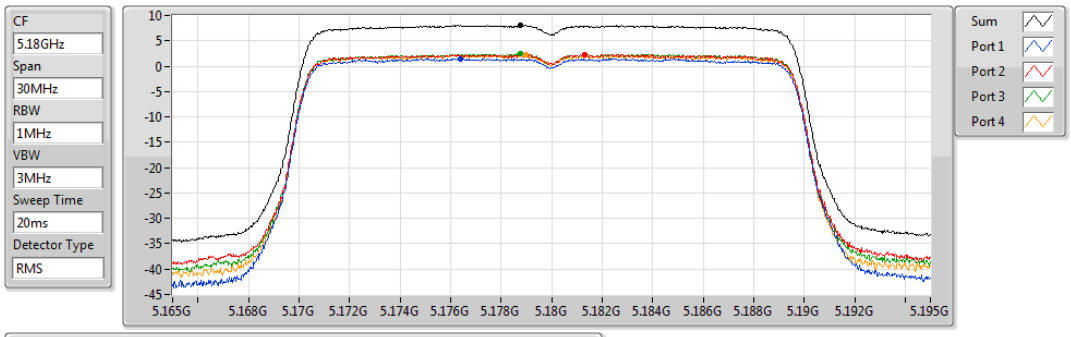
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.70	1.50	2.36	2.45	2.16	8.03	14.30
5200MHz	Pass	8.70	5.65	5.81	5.85	6.09	11.76	14.30
5240MHz	Pass	8.70	6.12	6.12	6.22	6.31	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

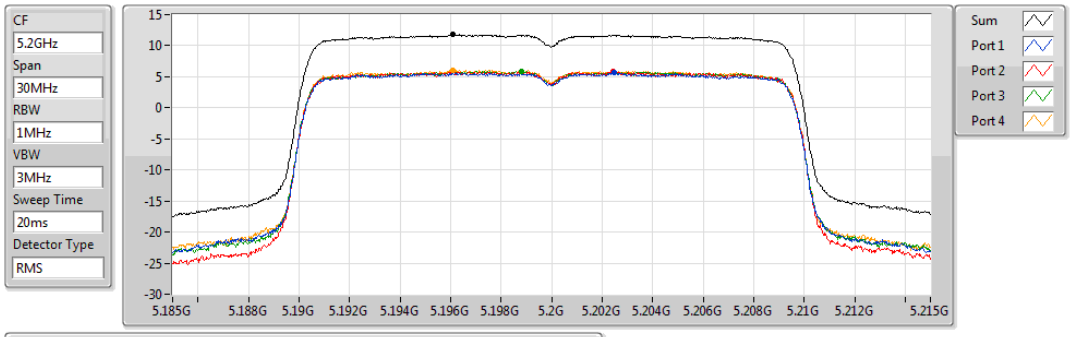


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	1.50	2.36	2.45	2.16

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5200MHz

01/02/2019

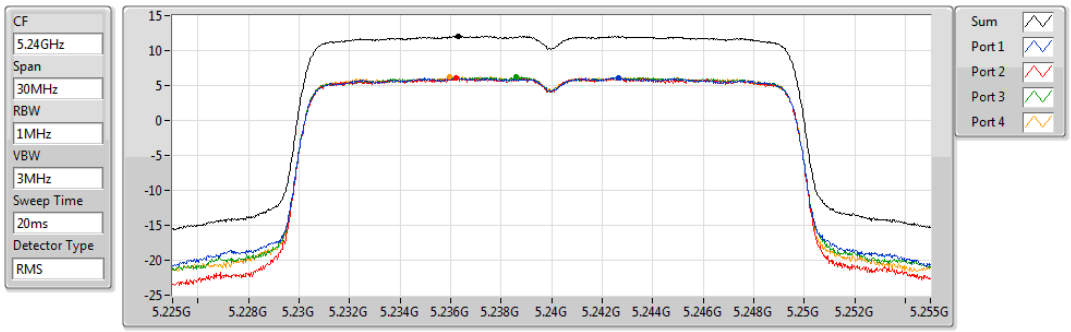


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.76	11.76	5.65	5.81	5.85	6.09

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5240MHz

01/02/2019

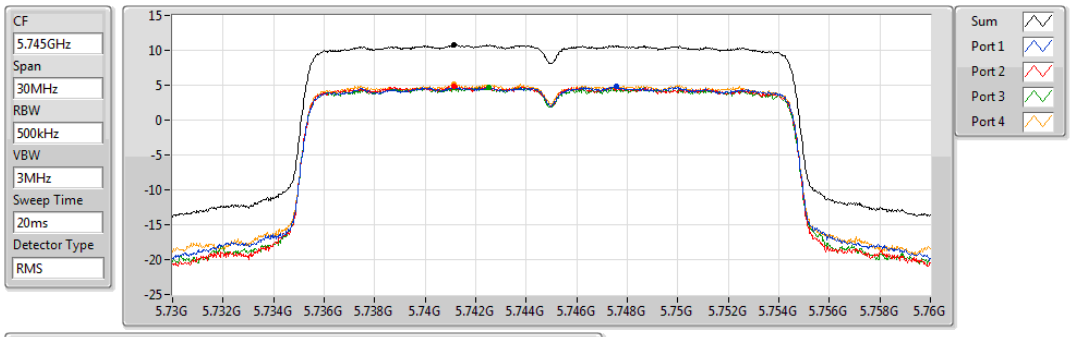


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.04	12.04	6.12	6.12	6.22	6.31

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5745MHz

01/02/2019

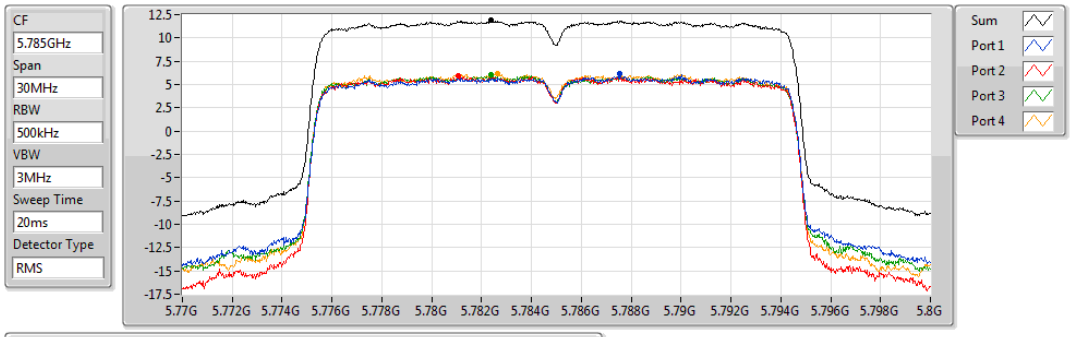


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.83	4.92	4.71	5.17

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5785MHz

01/02/2019

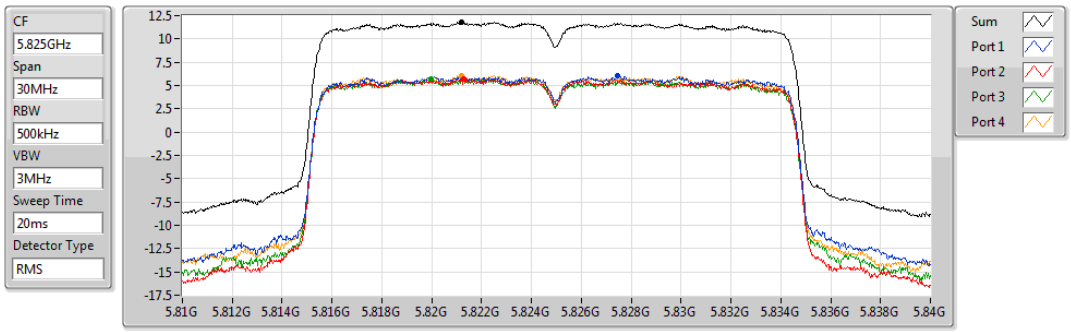


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.86	11.86	6.12	5.94	6.02	6.21

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5825MHz

01/02/2019

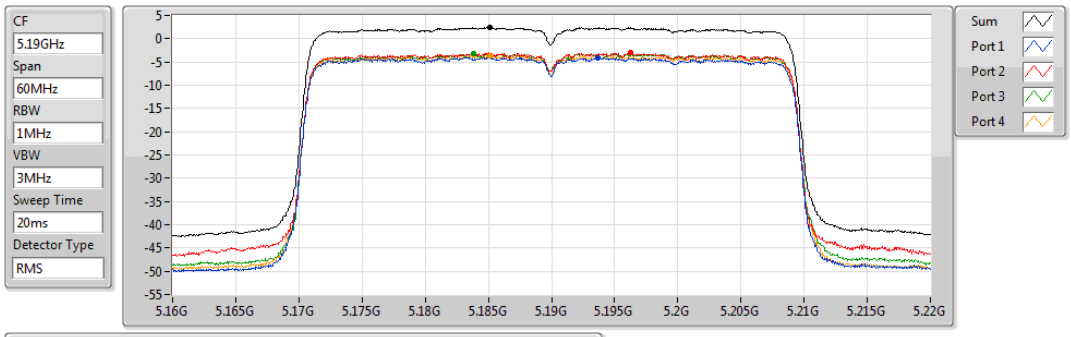


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	6.01	5.70	5.65	6.08

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz

01/02/2019

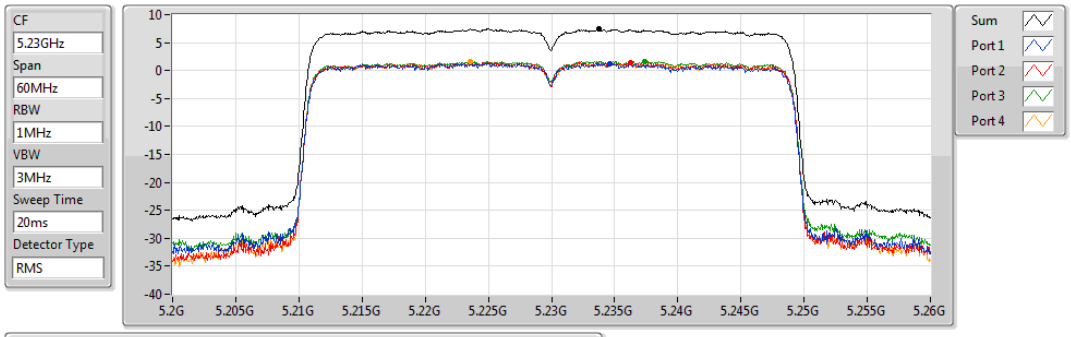


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.39	2.39	-4.06	-3.03	-3.28	-3.66

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5230MHz

01/02/2019

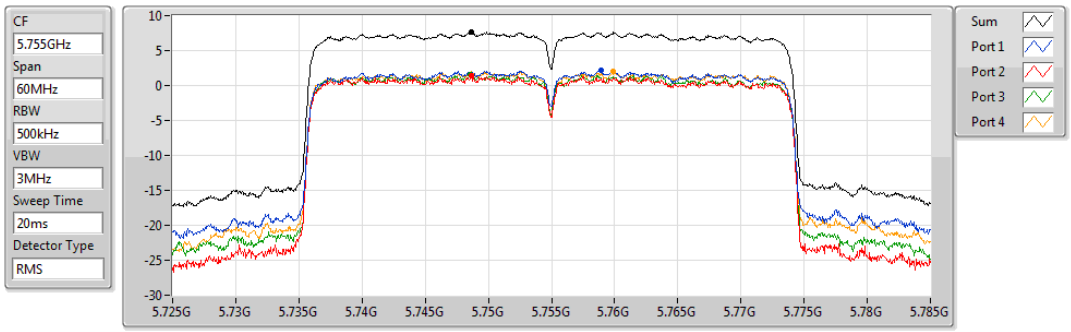


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.42	7.42	1.27	1.44	1.68	1.55

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5755MHz

01/02/2019

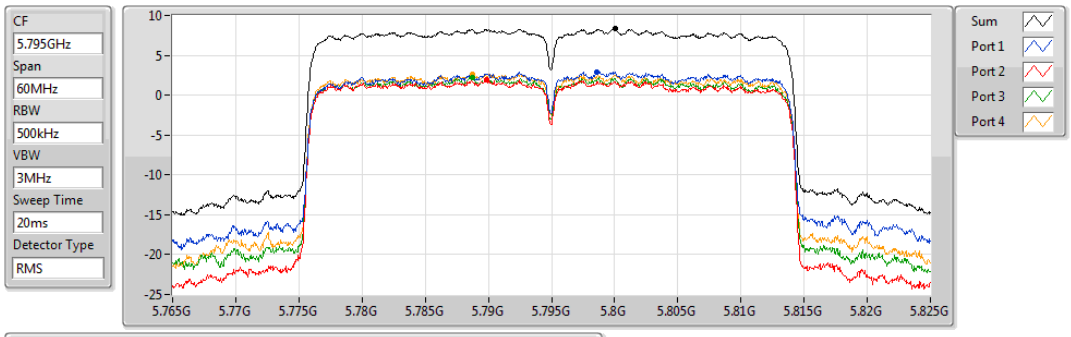


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.66	7.66	2.12	1.34	1.51	1.99

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5795MHz

01/02/2019

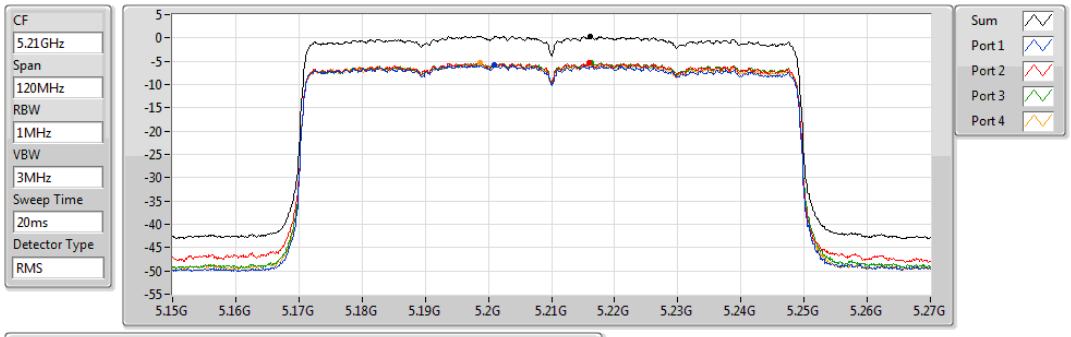


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.30	8.30	2.93	1.95	2.25	2.68

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

5210MHz

01/02/2019

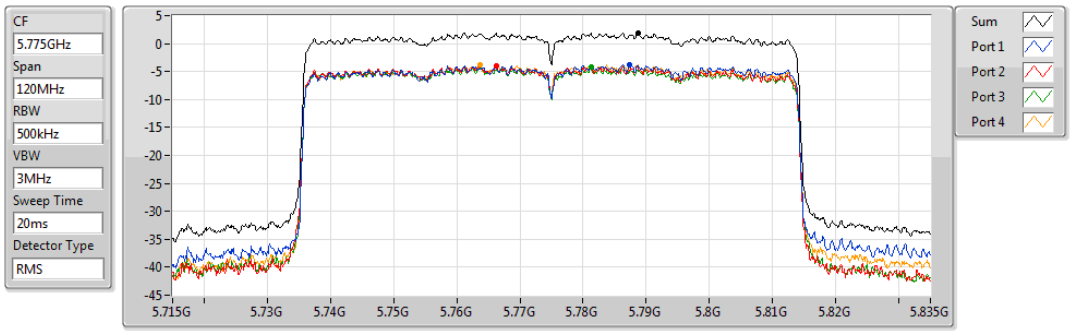


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	-5.75	-5.36	-5.26	-5.27

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

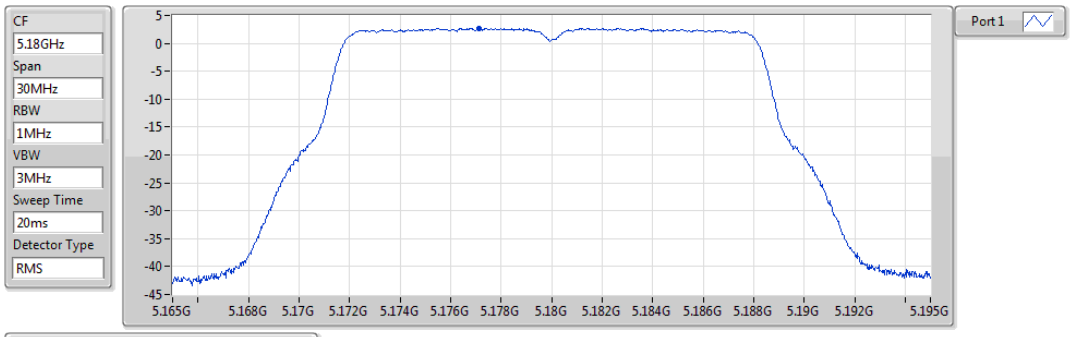
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	2.71	2.71	17.00
5200MHz	Pass	3.00	2.83	2.83	17.00
5240MHz	Pass	3.00	2.89	2.89	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.00	2.35	2.35	17.00
5200MHz	Pass	3.00	2.24	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

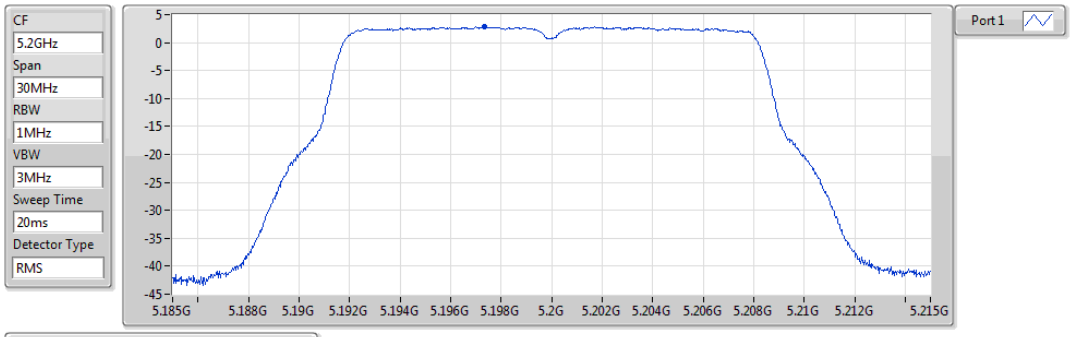


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.71	2.71	2.71

802.11a_Nss1,(6Mbps)_1TX **PSD**

5200MHz

02/03/2019

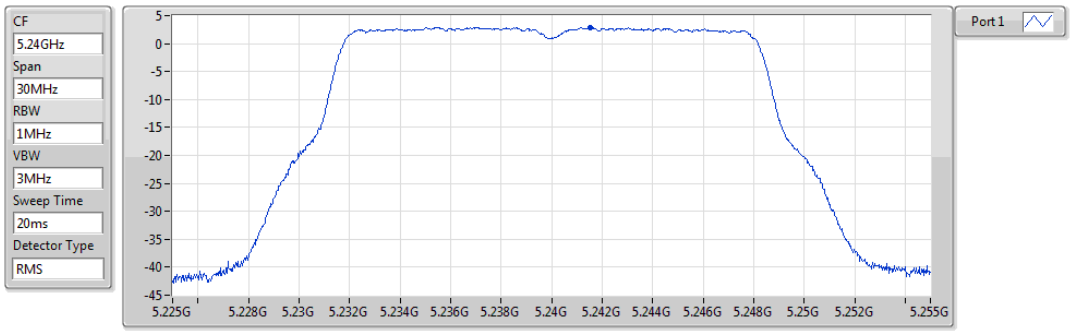


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.83	2.83	2.83

802.11a_Nss1,(6Mbps)_1TX **PSD**

5240MHz

02/03/2019

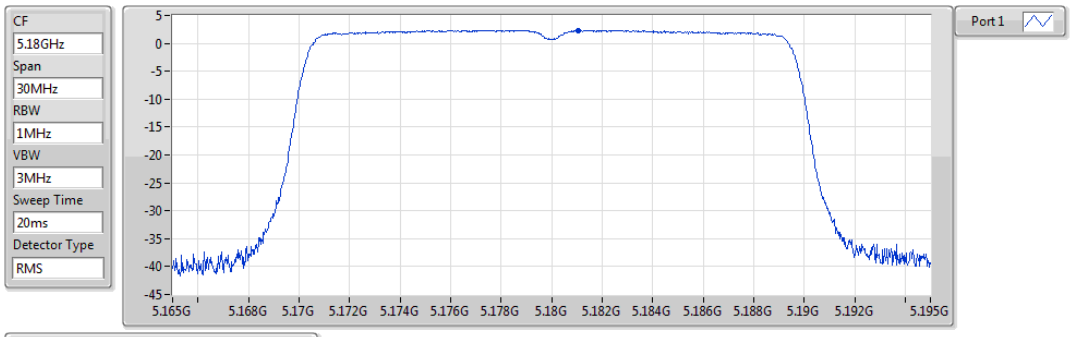


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.89	2.89	2.89

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5180MHz

02/03/2019

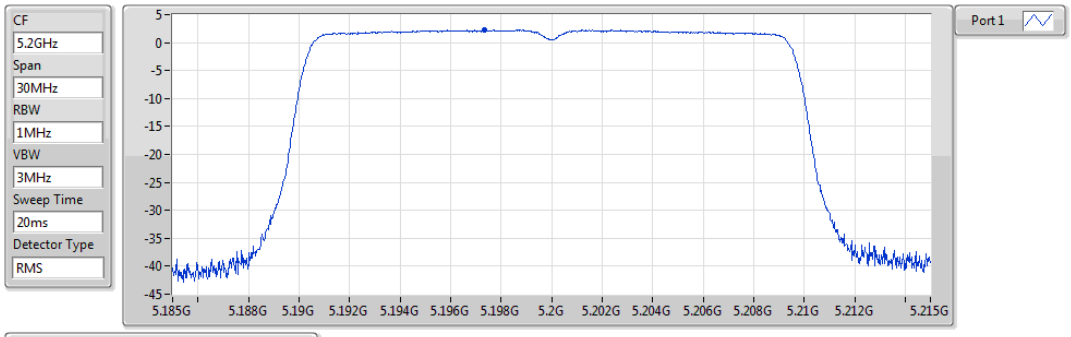


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.35	2.35	2.35

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5200MHz

02/03/2019

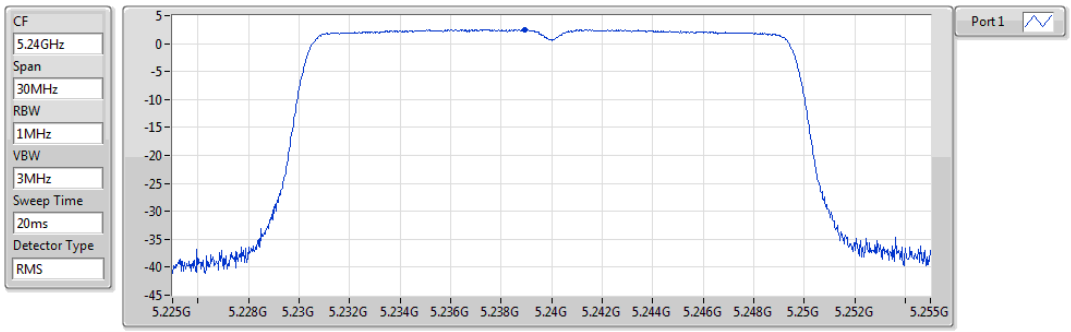


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.24	2.24	2.24

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5240MHz

02/03/2019

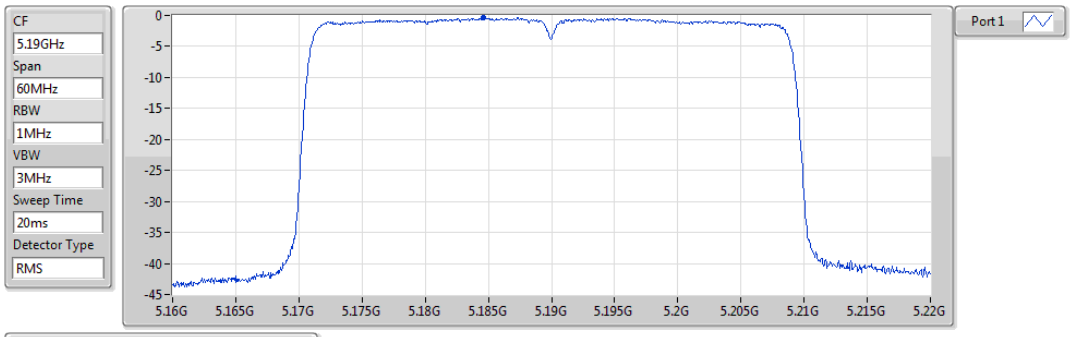


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.50	2.50	2.50

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5190MHz

02/03/2019

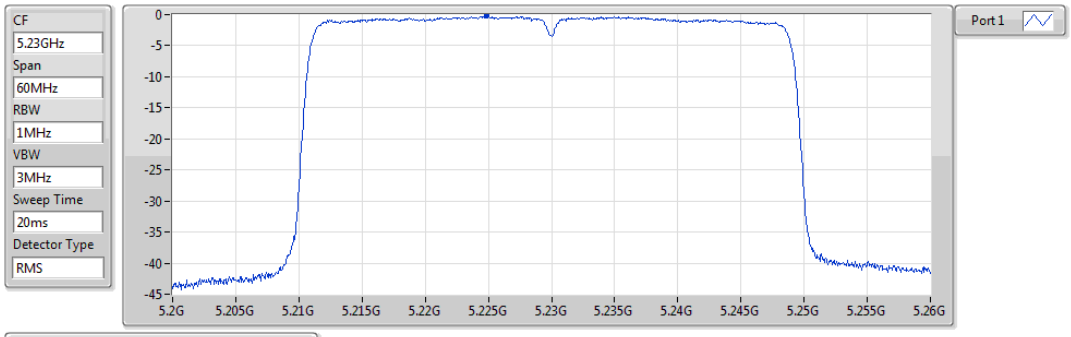


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.40	-0.40	-0.40

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5230MHz

02/03/2019

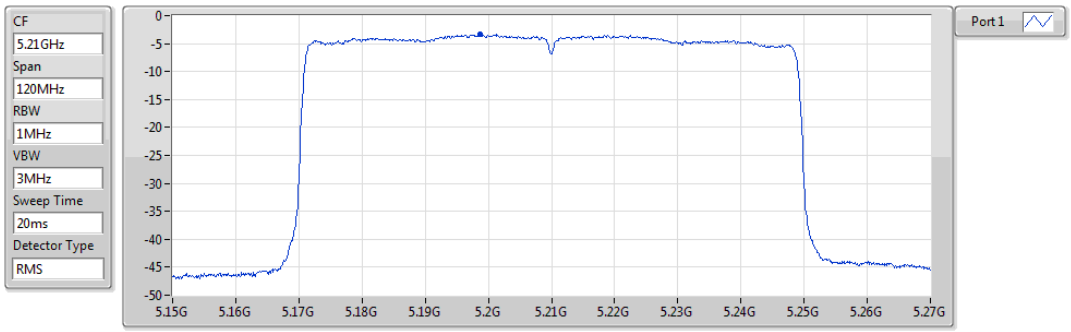


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.25	-0.25	-0.25

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz

02/03/2019



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

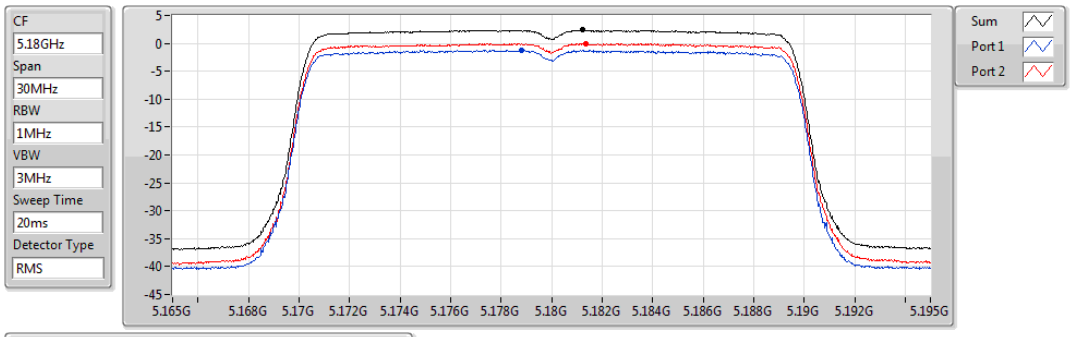
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.00	-1.25	-0.00	2.37	17.00
5200MHz	Pass	3.00	-1.08	0.02	2.47	17.00
5240MHz	Pass	3.00	-1.02	-0.00	2.49	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	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

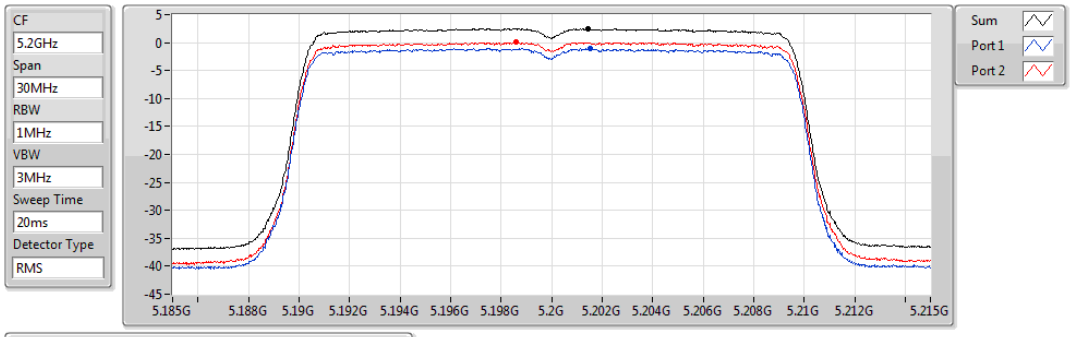


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.37	2.37	-1.25	-0.00

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5200MHz

02/03/2019

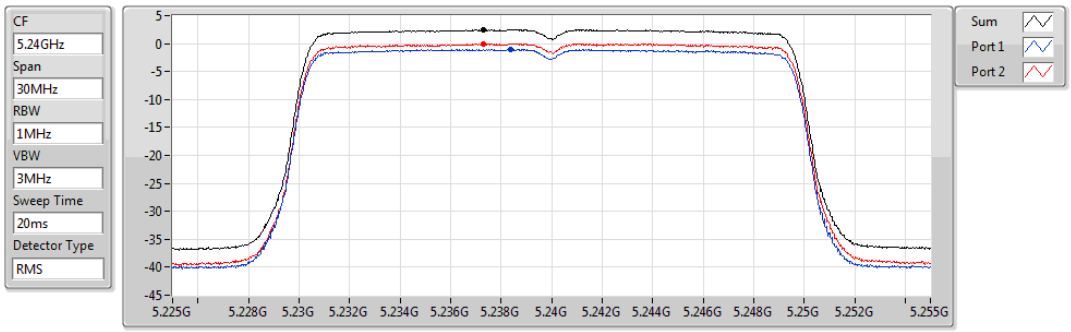


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.47	2.47	-1.08	0.02

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5240MHz

02/03/2019

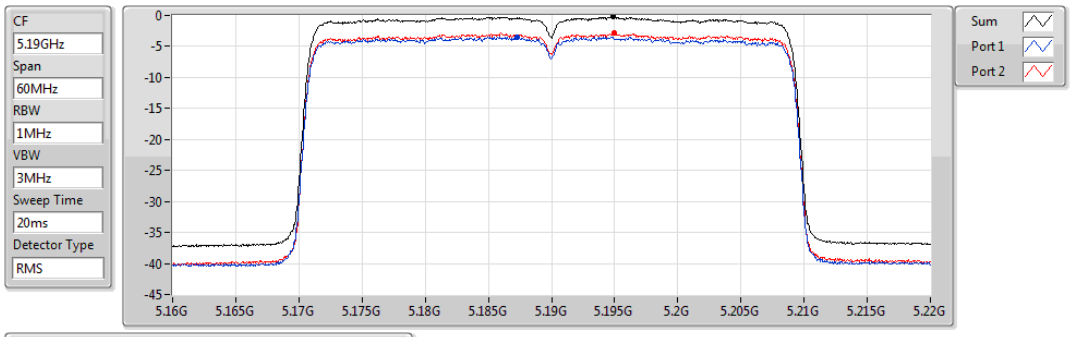


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	-1.02	-0.00

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

5190MHz

02/03/2019

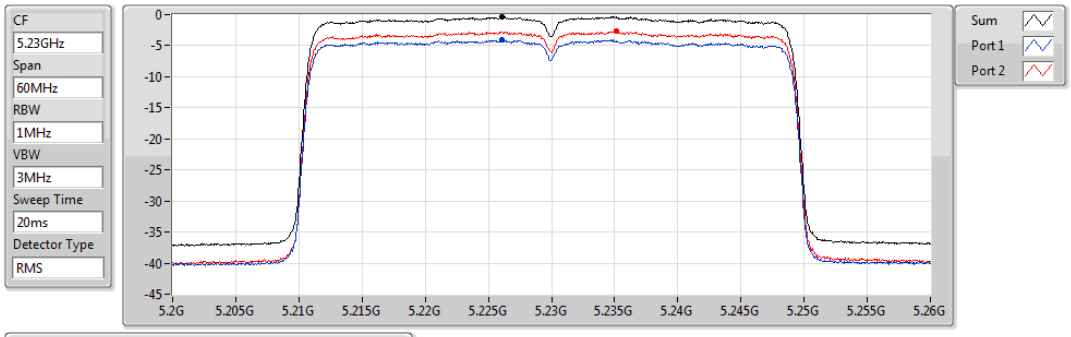


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.26	-0.26	-3.49	-2.89

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

5230MHz

02/03/2019

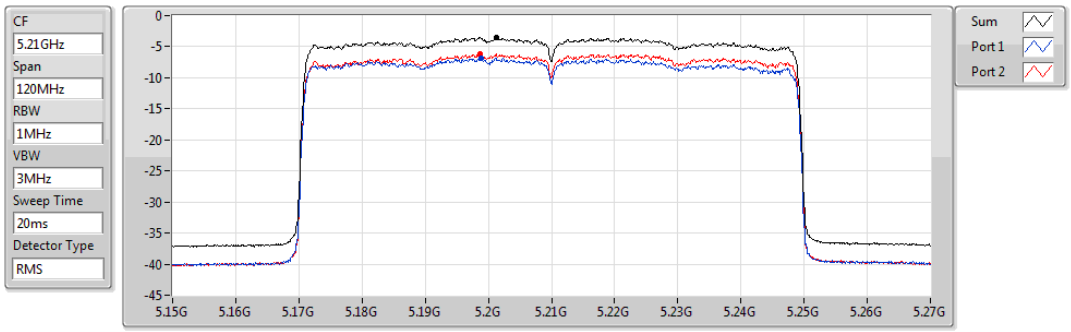


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.37	-0.37	-4.09	-2.69

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

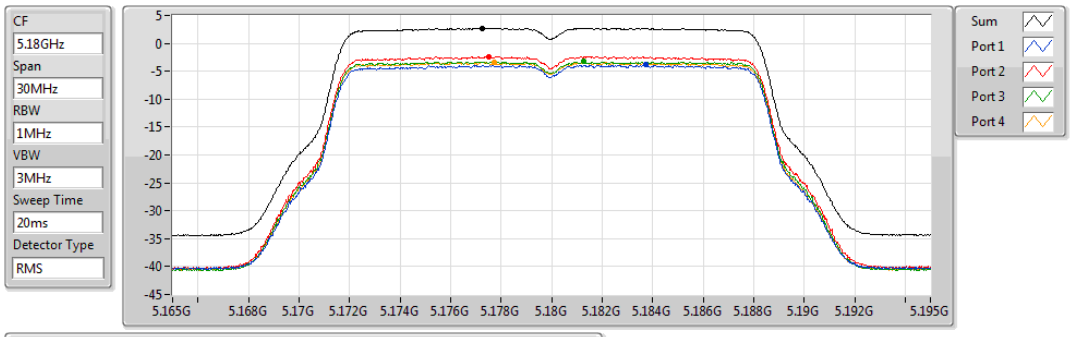
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-3.85	-2.35	-3.30	-3.38	2.72	13.98
5200MHz	Pass	9.02	-4.09	-1.98	-3.13	-3.29	2.86	13.98
5240MHz	Pass	9.02	-3.72	-1.89	-2.63	-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

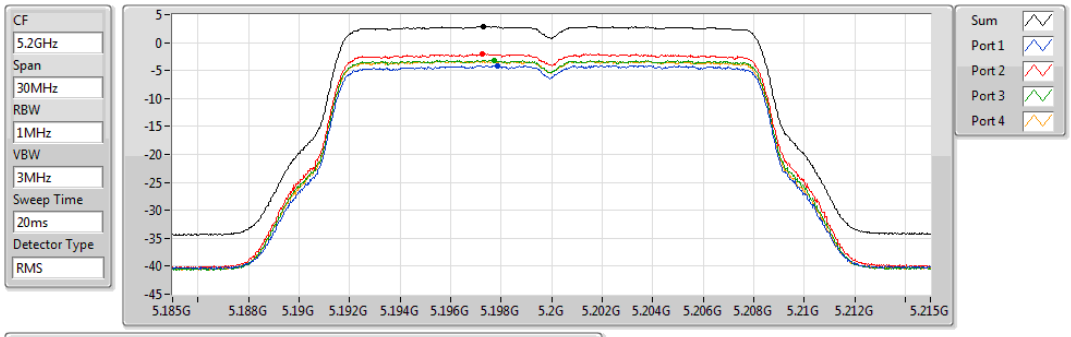


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.72	2.72	-3.85	-2.35	-3.30	-3.38

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

02/03/2019

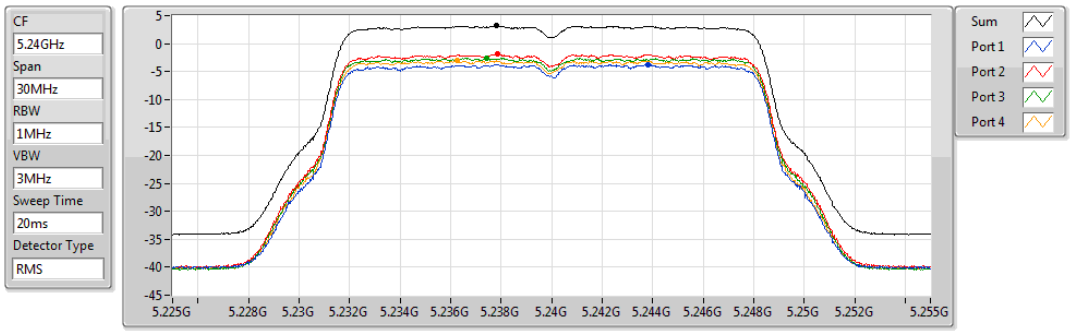


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	-4.09	-1.98	-3.13	-3.29

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

02/03/2019

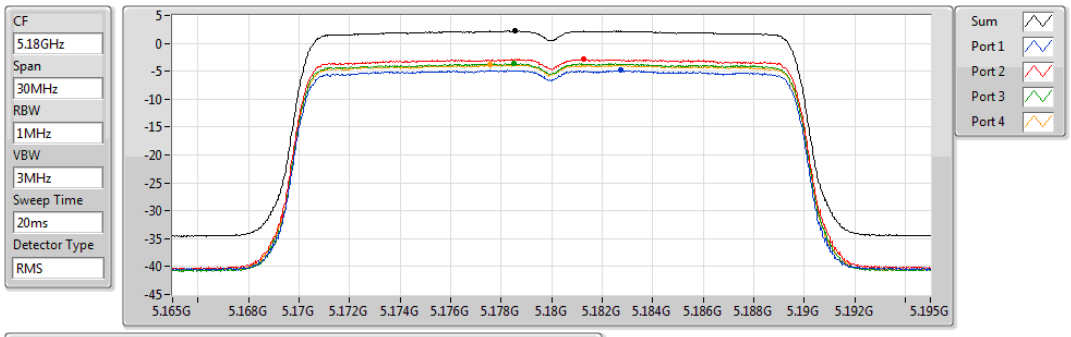


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.18	3.18	-3.72	-1.89	-2.63	-3.04

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

02/03/2019

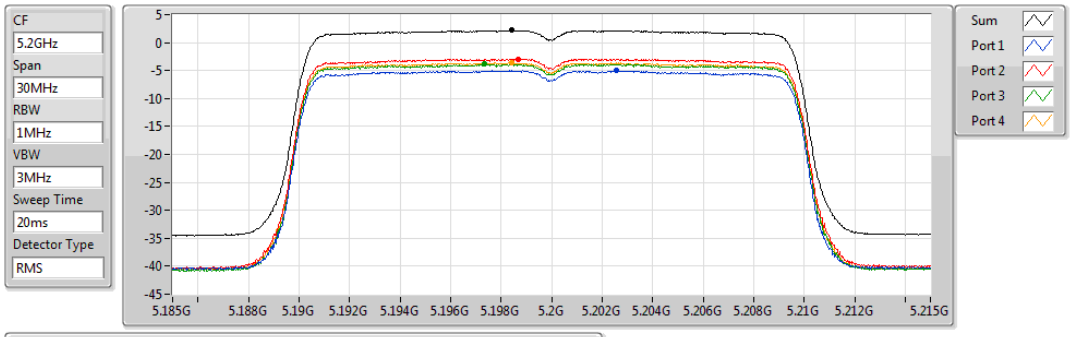


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.20	2.20	-4.83	-2.84	-3.60	-3.80

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

03/03/2019

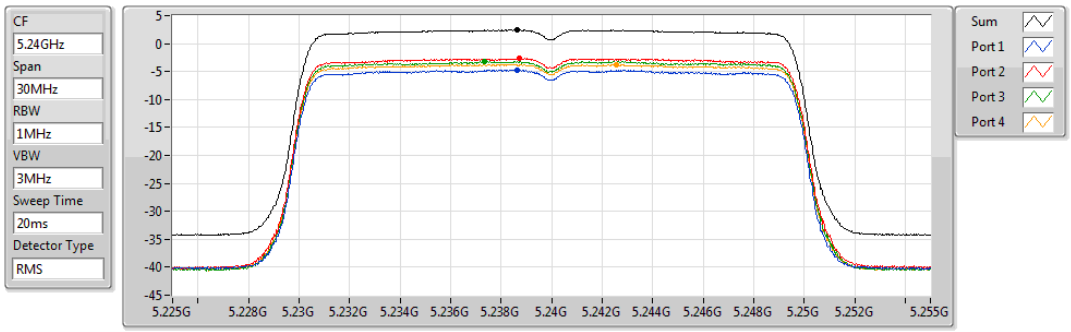


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.18	2.18	-4.97	-2.92	-3.86	-3.61

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

03/03/2019

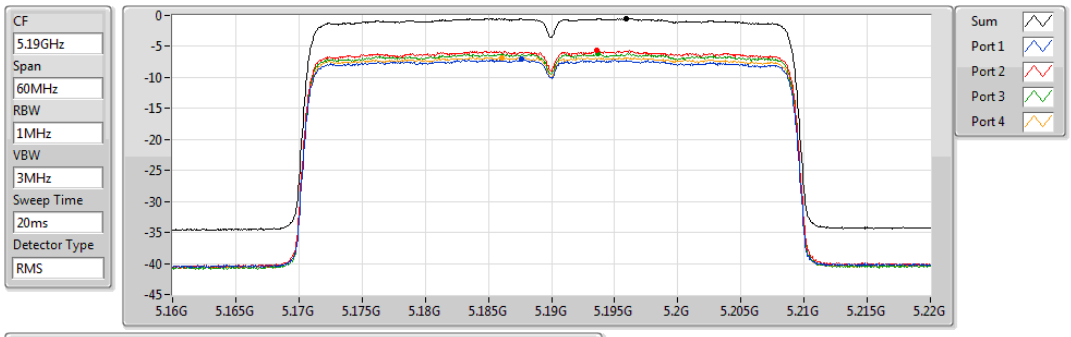


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.46	2.46	-4.70	-2.69	-3.20	-3.73

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

03/03/2019

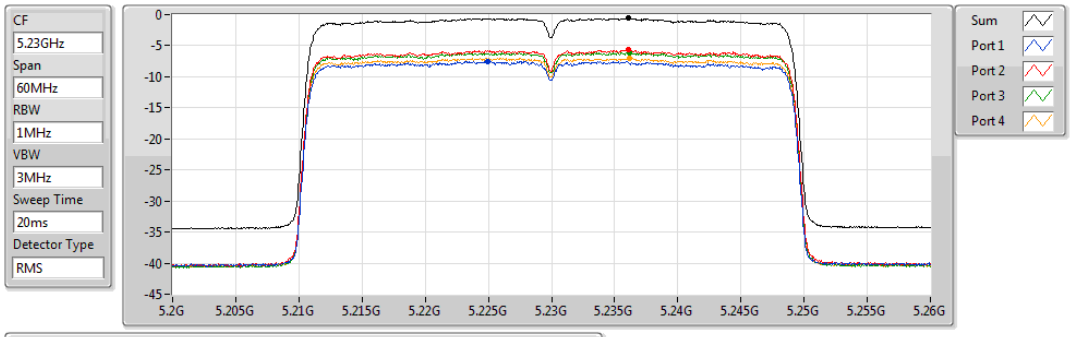


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.49	-0.49	-7.11	-5.70	-6.19	-6.77

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

03/03/2019

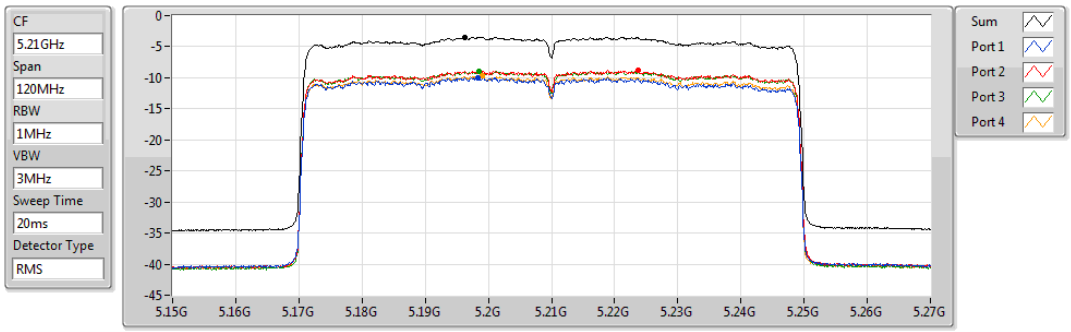


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.56	-0.56	-7.57	-5.68	-6.07	-7.03

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

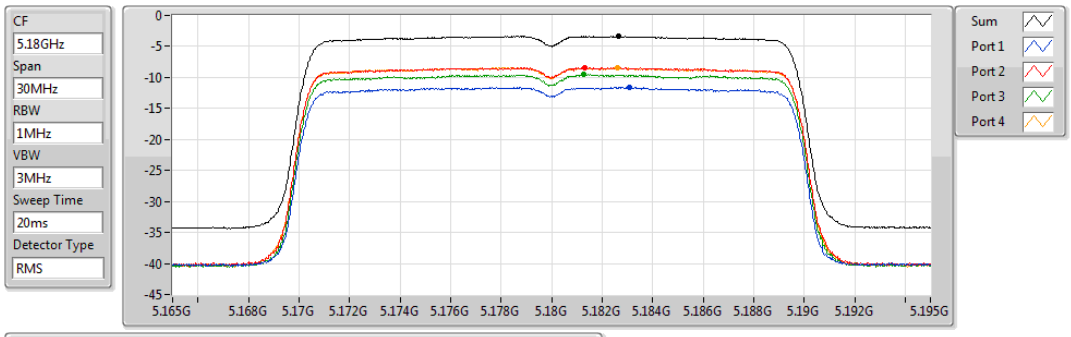
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.02	-11.55	-8.43	-9.54	-8.43	-3.37	13.98
5200MHz	Pass	9.02	-10.91	-8.33	-9.44	-8.44	-3.22	13.98
5240MHz	Pass	9.02	-11.53	-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

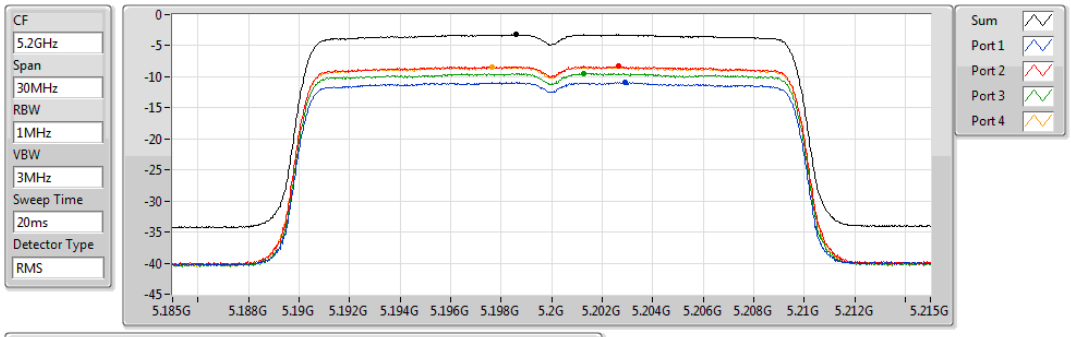


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.37	-3.37	-11.55	-8.43	-9.54	-8.43

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5200MHz

03/03/2019

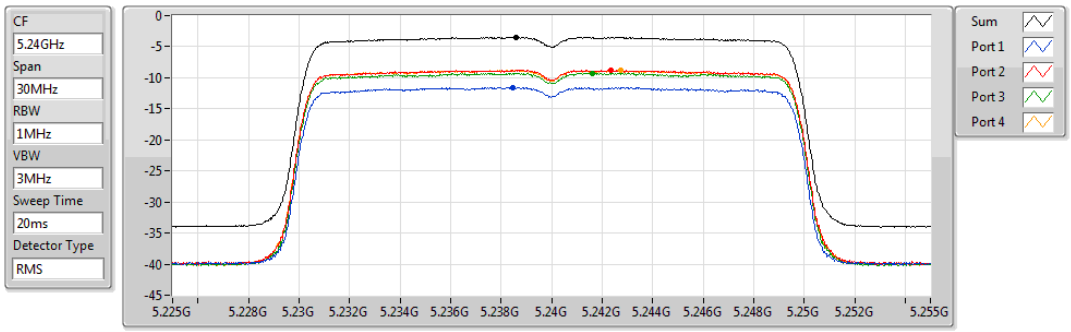


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.22	-3.22	-10.91	-8.33	-9.44	-8.44

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5240MHz

03/03/2019

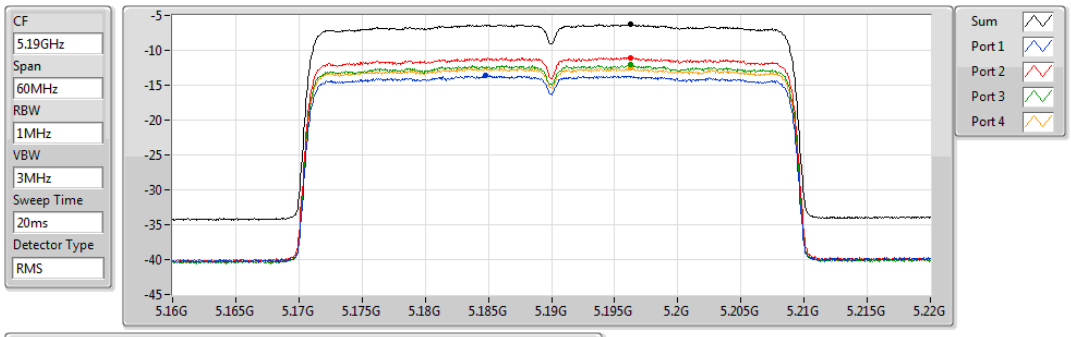


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.49	-3.49	-11.53	-8.78	-9.25	-8.78

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

03/03/2019

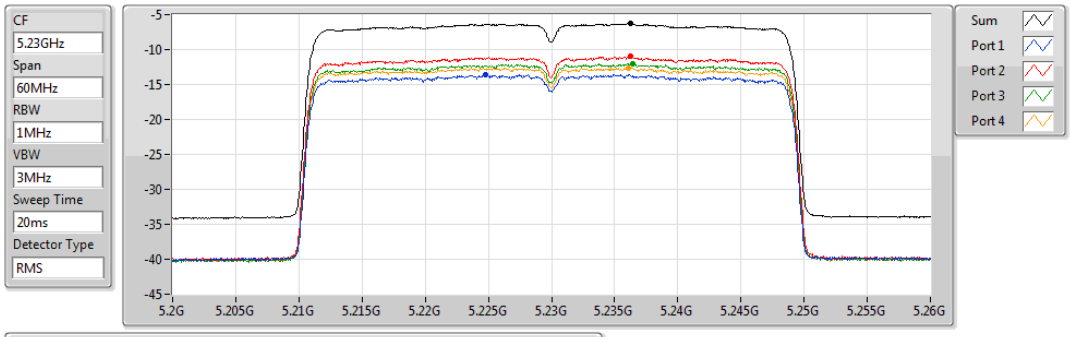


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.29	-6.29	-13.62	-11.06	-12.10	-12.52

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

03/03/2019

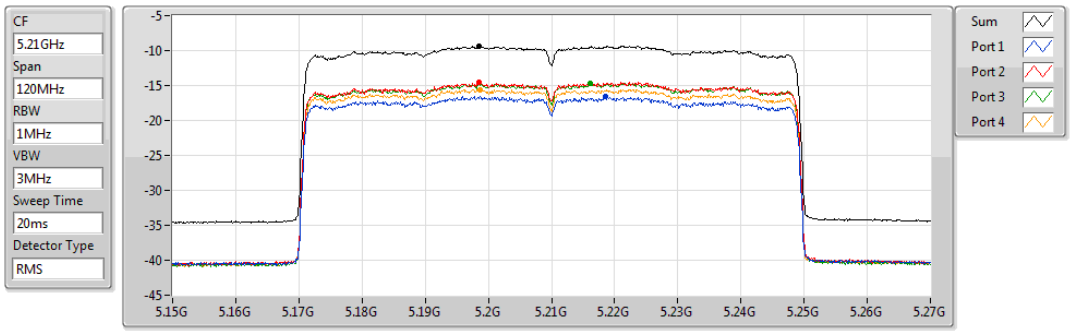


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.25	-6.25	-13.55	-10.99	-12.01	-12.60

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz

03/03/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-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;

Result

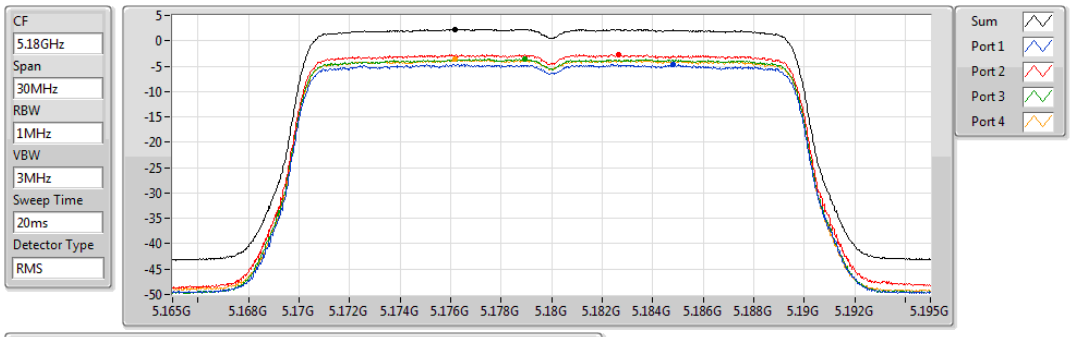
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.00	-4.68	-2.75	-3.59	-3.63	2.27	17.00
5200MHz	Pass	3.00	-4.65	-2.67	-3.52	-3.66	2.33	17.00
5240MHz	Pass	3.00	-4.41	-2.38	-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

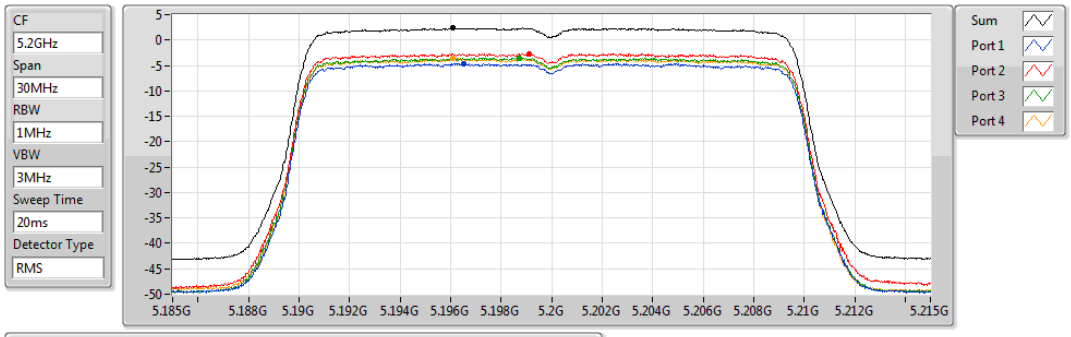


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27	-4.68	-2.75	-3.59	-3.63

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5200MHz

03/03/2019

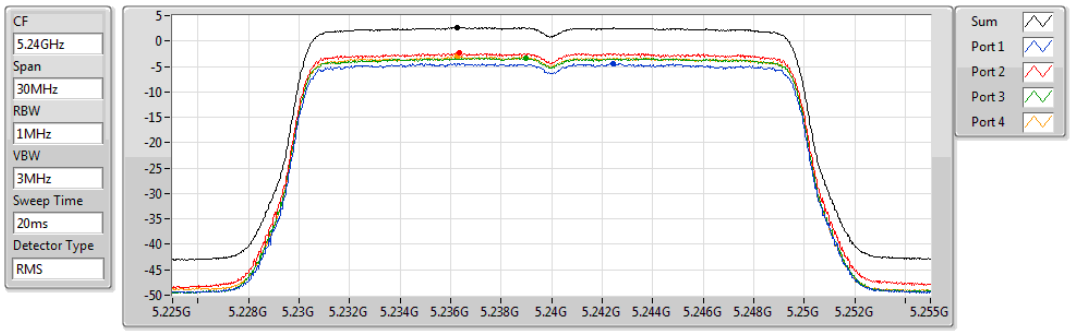


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.33	2.33	-4.65	-2.67	-3.52	-3.66

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5240MHz

03/03/2019

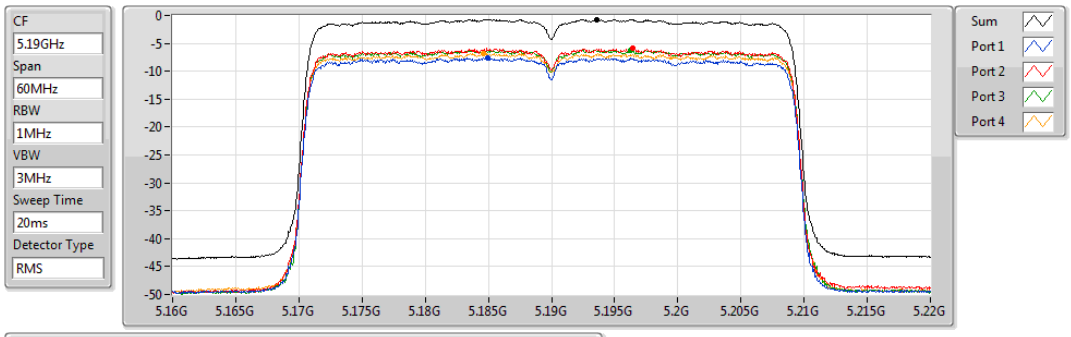


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.67	2.67	-4.41	-2.38	-3.29	-3.01

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz

03/03/2019

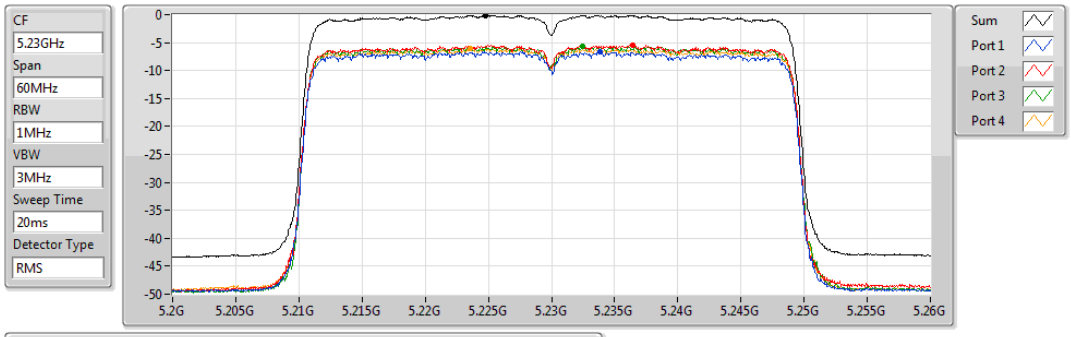


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.73	-0.73	-7.53	-5.94	-6.27	-6.79

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5230MHz

03/03/2019

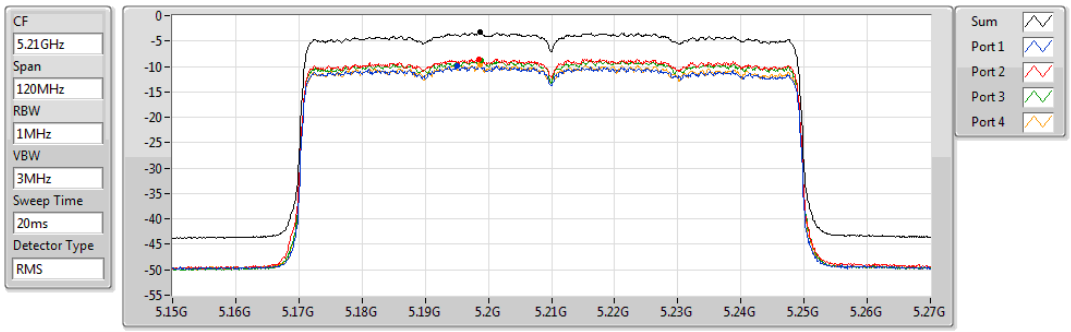


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.10	-0.10	-6.67	-5.41	-5.64	-6.15

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

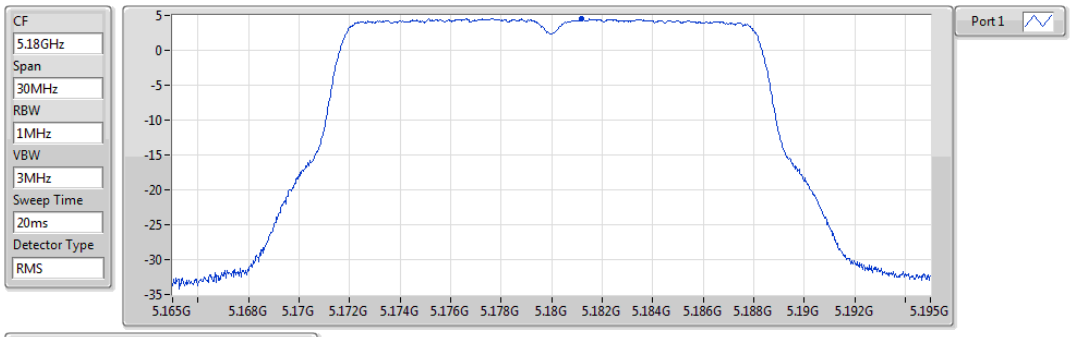
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	4.56	4.56	17.00
5200MHz	Pass	6.00	5.98	5.98	17.00
5240MHz	Pass	6.00	6.21	6.21	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.00	3.17	3.17	17.00
5200MHz	Pass	6.00	5.92	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

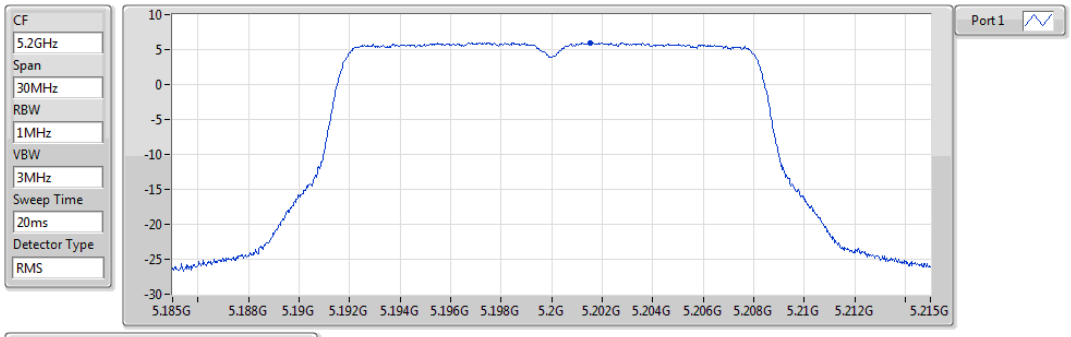


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	4.56

802.11a_Nss1,(6Mbps)_1TX **PSD**

5200MHz

24/01/2019

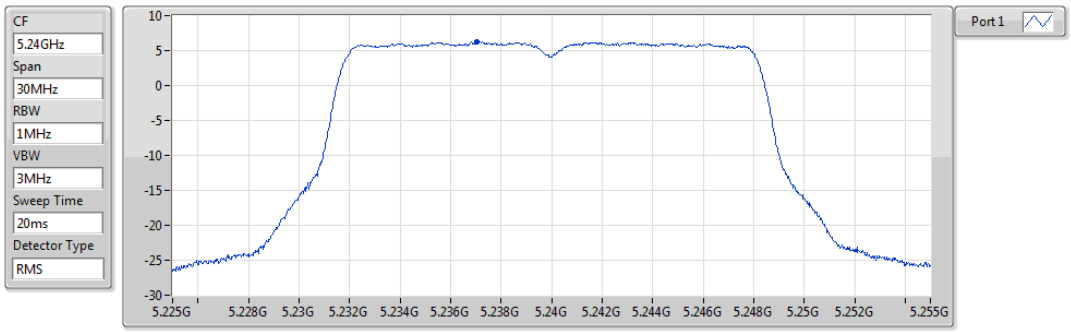


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.98	5.98	5.98

802.11a_Nss1,(6Mbps)_1TX **PSD**

5240MHz

24/01/2019

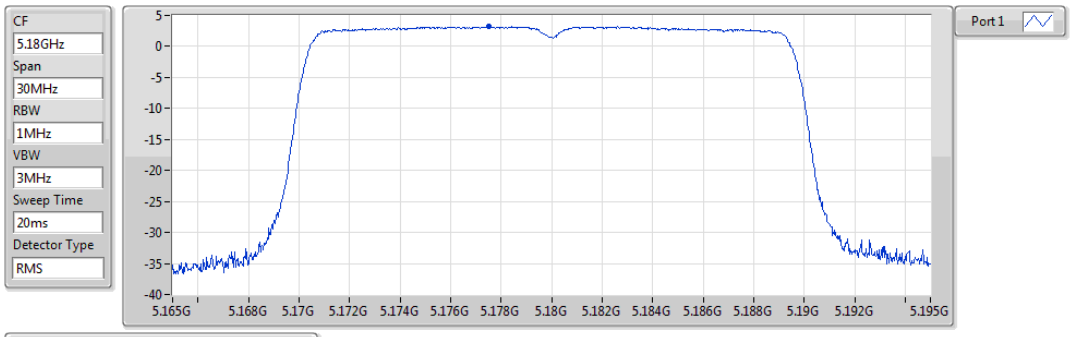


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5180MHz

24/01/2019

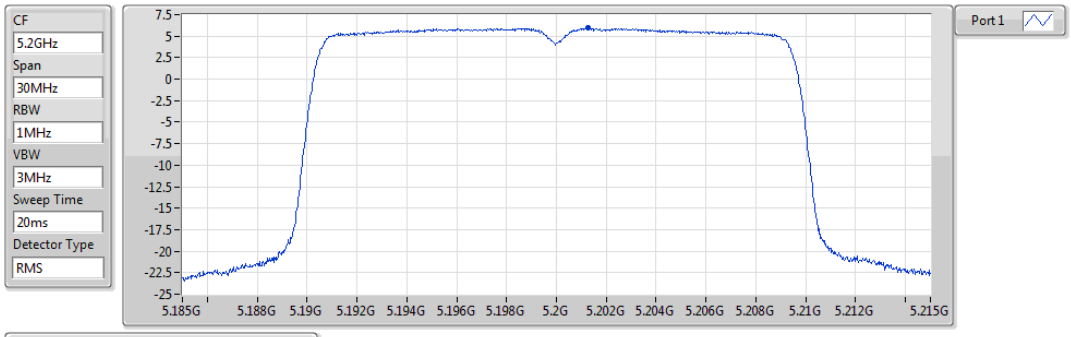


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.17	3.17	3.17

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5200MHz

24/01/2019

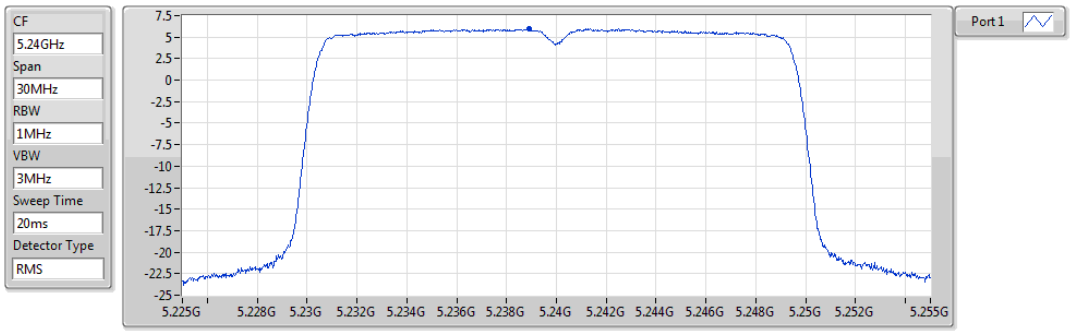


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.92	5.92	5.92

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5240MHz

24/01/2019

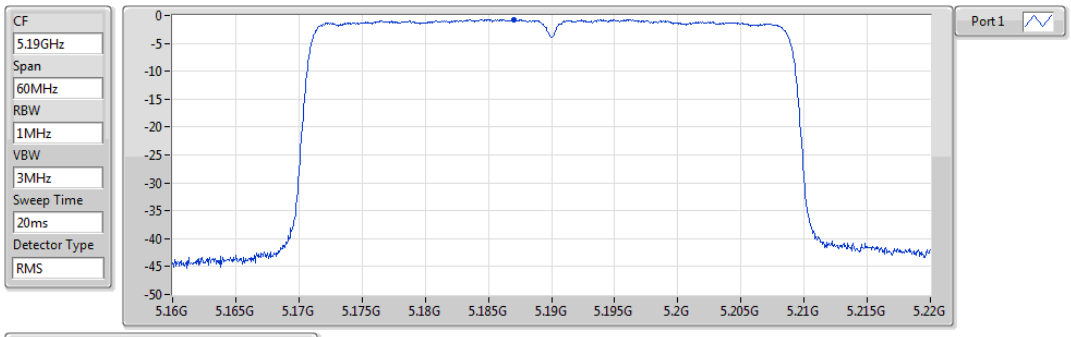


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	5.94

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5190MHz

24/01/2019

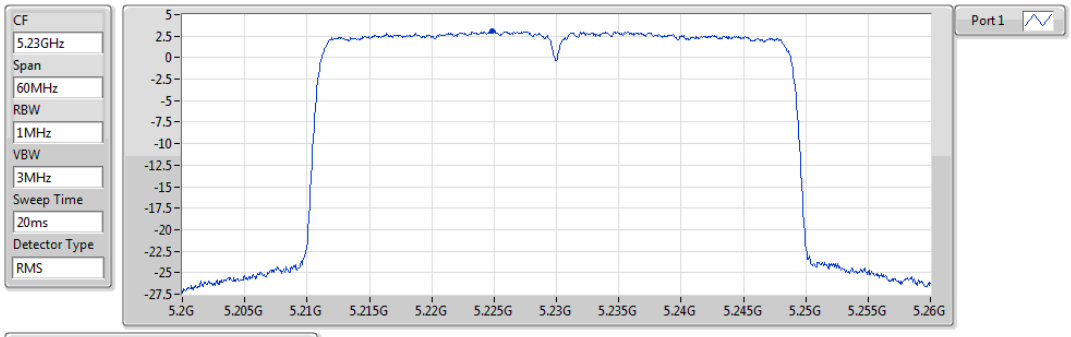


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.71	-0.71	-0.71

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5230MHz

24/01/2019

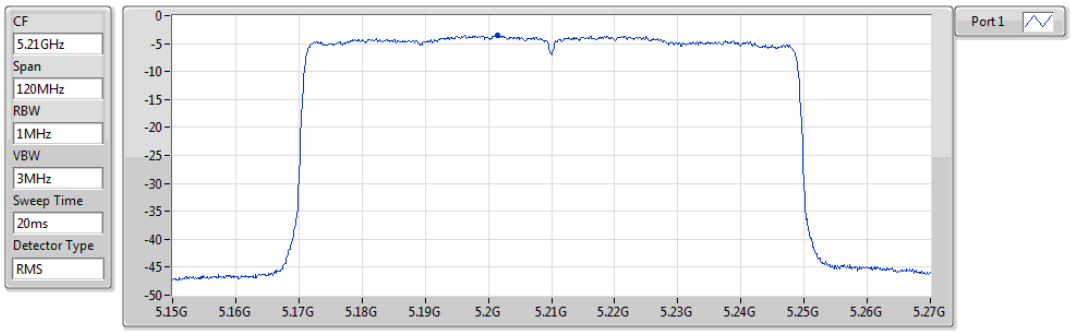


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	3.06

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz

24/01/2019



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

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

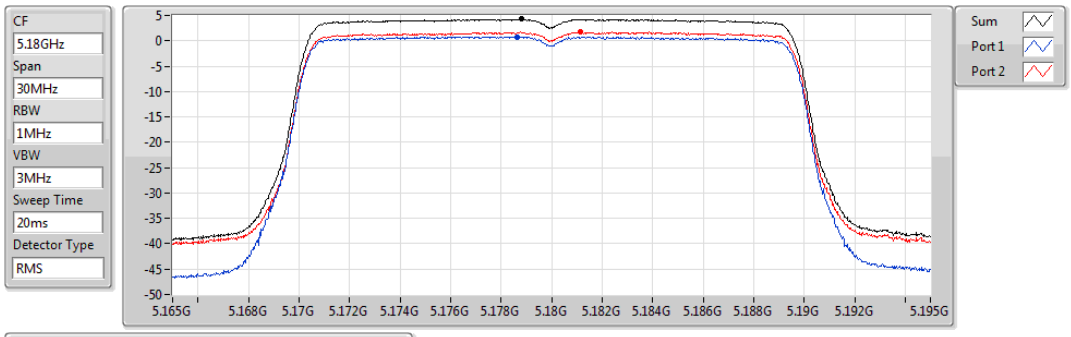
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.00	0.81	1.71	4.25	17.00
5200MHz	Pass	6.00	5.80	5.92	8.80	17.00
5240MHz	Pass	6.00	6.26	6.24	9.20	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	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

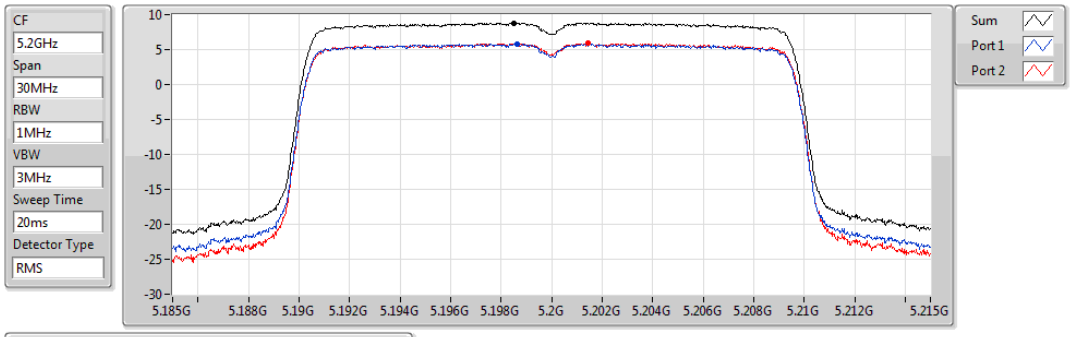


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.25	4.25	0.81	1.71

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

5200MHz

24/01/2019

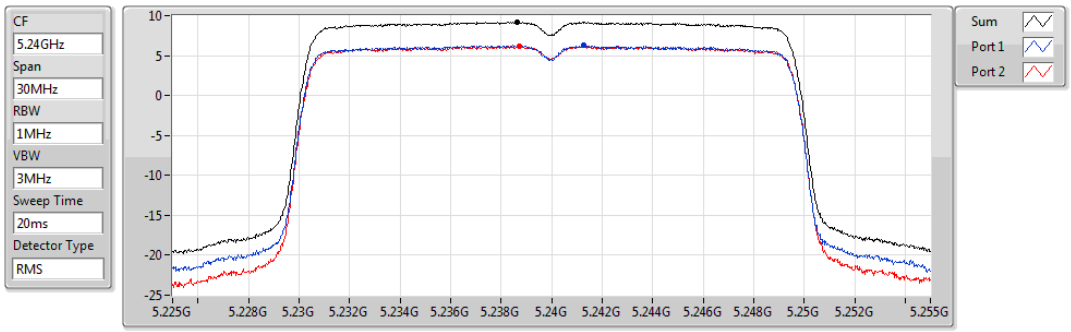


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.80	8.80	5.80	5.92

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

5240MHz

24/01/2019

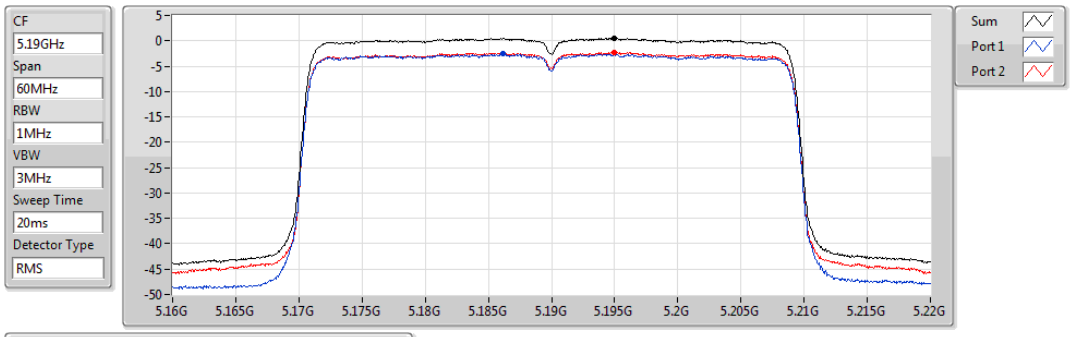


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	6.26	6.24

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5190MHz

24/01/2019

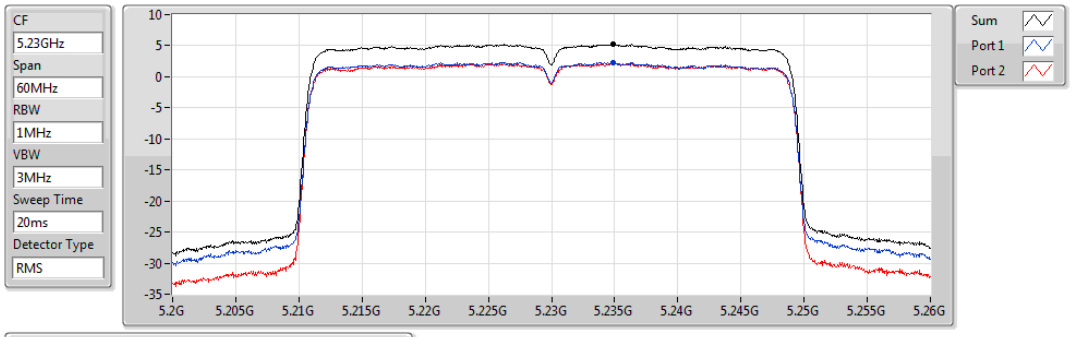


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.54	0.54	-2.59	-2.22

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5230MHz

24/01/2019

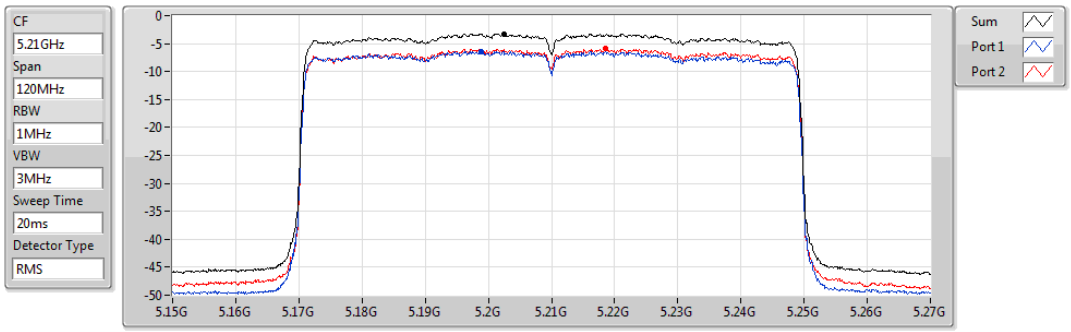


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.32	5.32	2.30	2.32

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

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

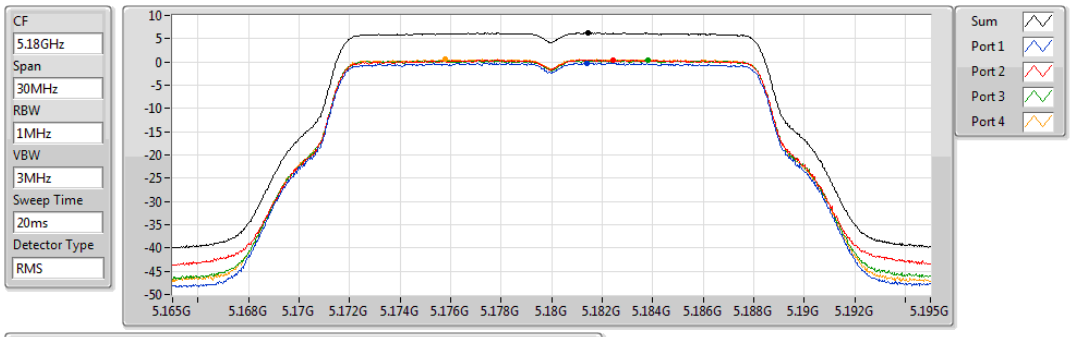
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	-0.22	0.50	0.38	0.62	6.22	10.98
5200MHz	Pass	12.02	4.59	5.22	5.10	4.88	10.86	10.98
5240MHz	Pass	12.02	4.67	4.93	4.87	5.02	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

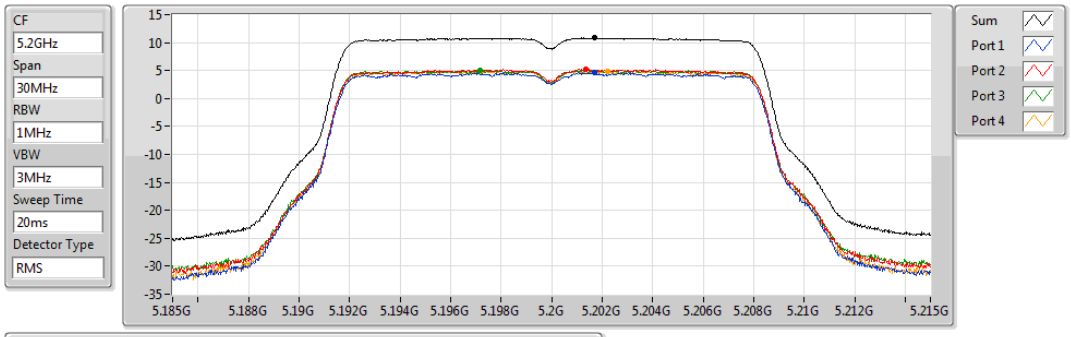


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.22	6.22	-0.22	0.50	0.38	0.62

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

24/01/2019

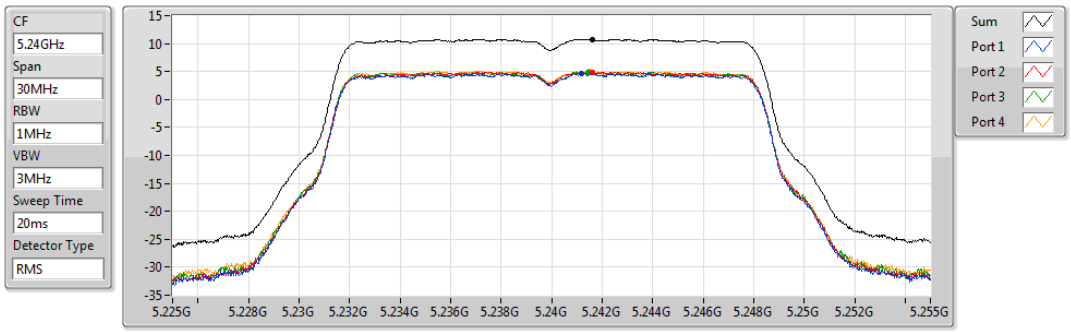


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	4.59	5.22	5.10	4.88

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

24/01/2019

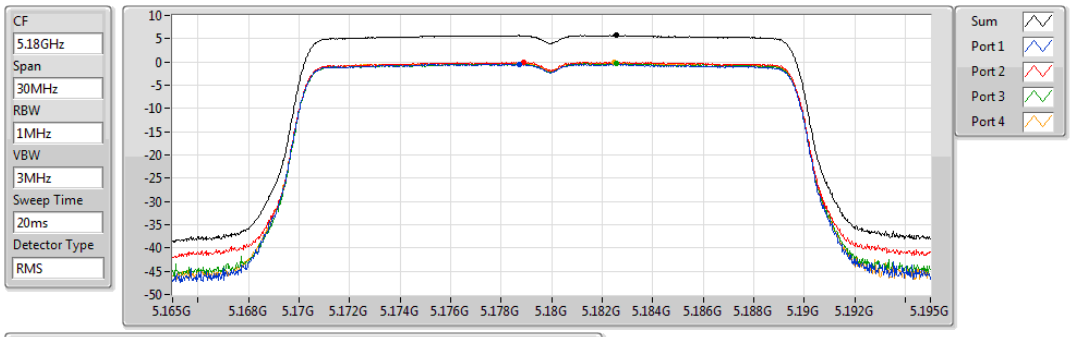


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	4.67	4.93	4.87	5.02

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

24/01/2019

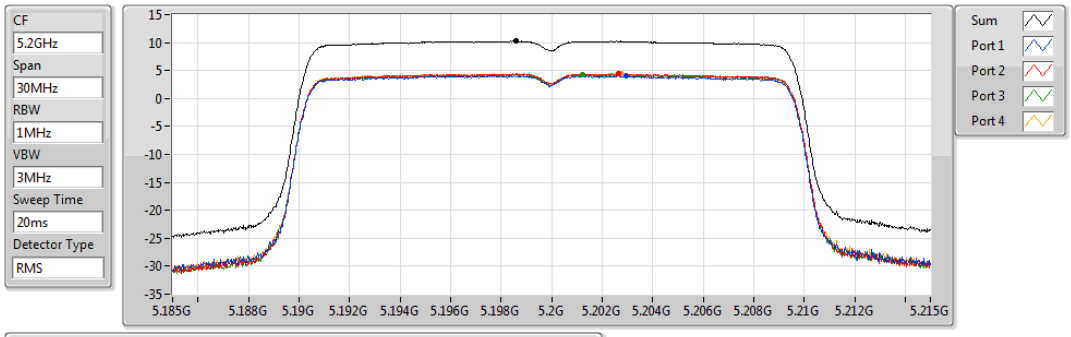


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.70	5.70	-0.47	-0.01	-0.27	-0.13

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

24/01/2019

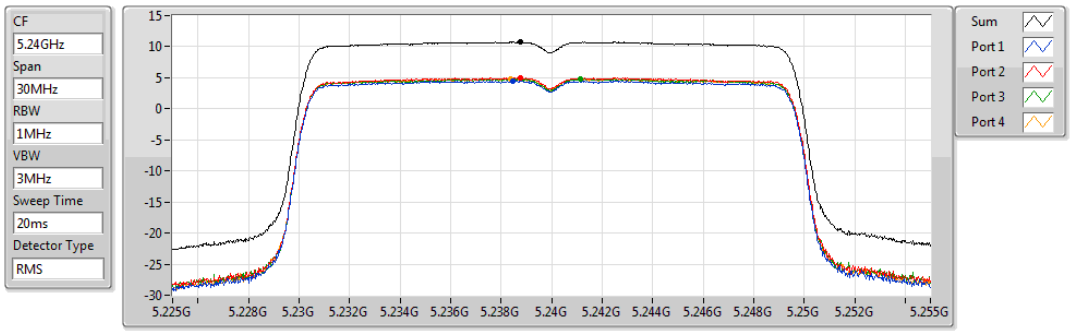


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.27	10.27	4.05	4.46	4.32	4.45

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

24/01/2019

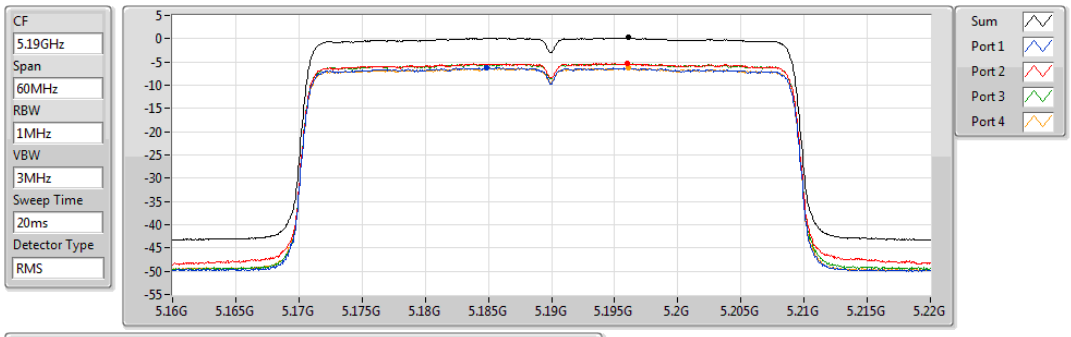


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	4.47	4.99	4.87	4.85

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

24/01/2019

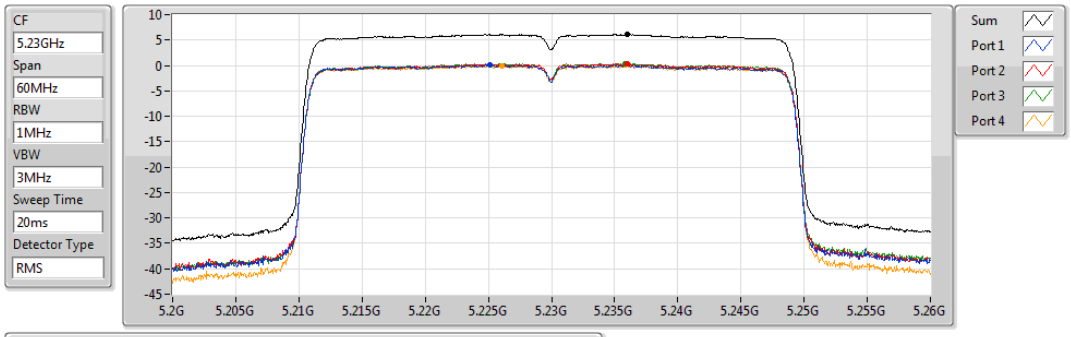


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.21	0.21	-6.25	-5.28	-5.31	-6.36

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

24/01/2019

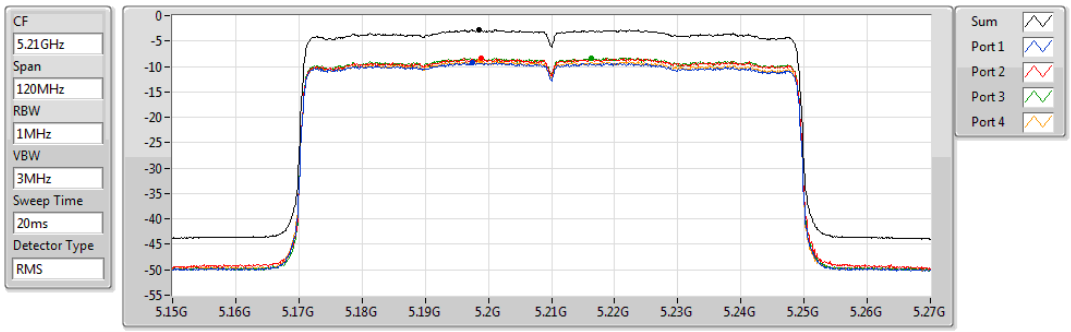


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	0.11	0.36	0.41	-0.07

802.11ax 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

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;

Result

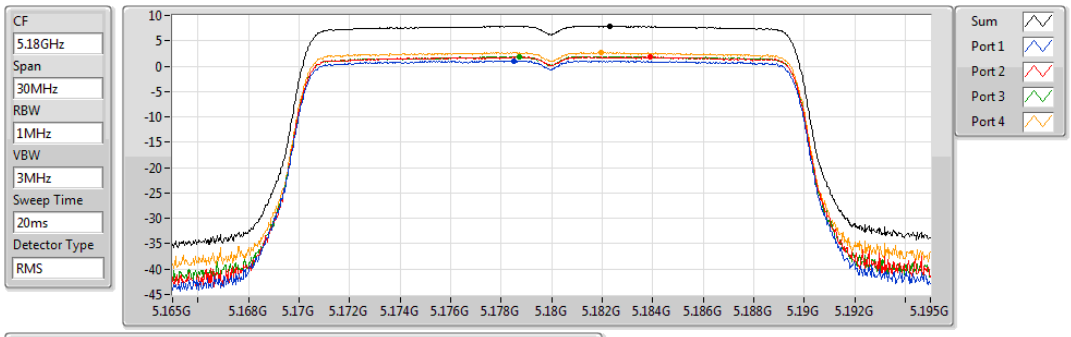
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.02	1.08	1.85	1.91	2.71	7.88	10.98
5200MHz	Pass	12.02	0.70	1.66	1.98	2.33	7.63	10.98
5240MHz	Pass	12.02	1.06	1.34	1.84	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

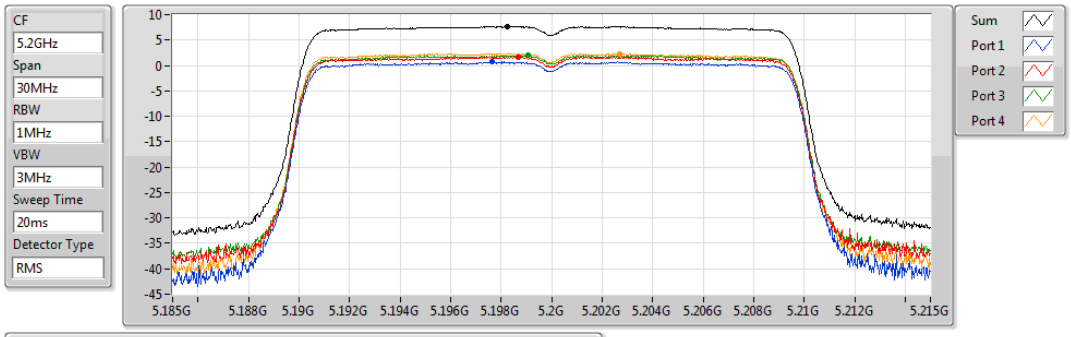


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.88	7.88	1.08	1.85	1.91	2.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5200MHz

04/03/2019

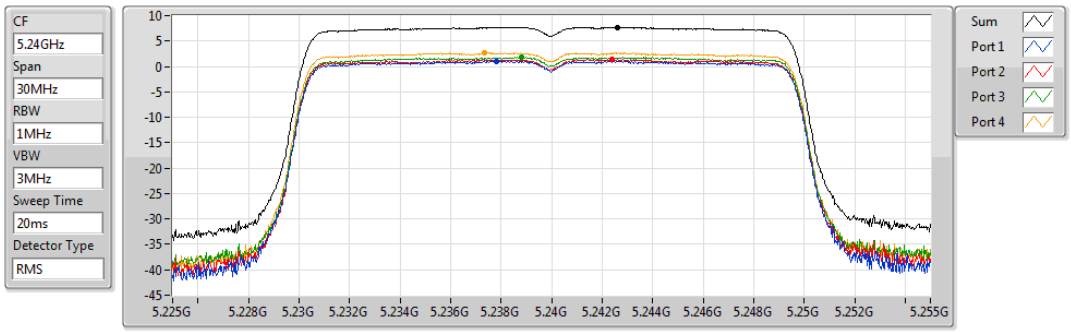


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.63	7.63	0.70	1.66	1.98	2.33

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5240MHz

04/03/2019

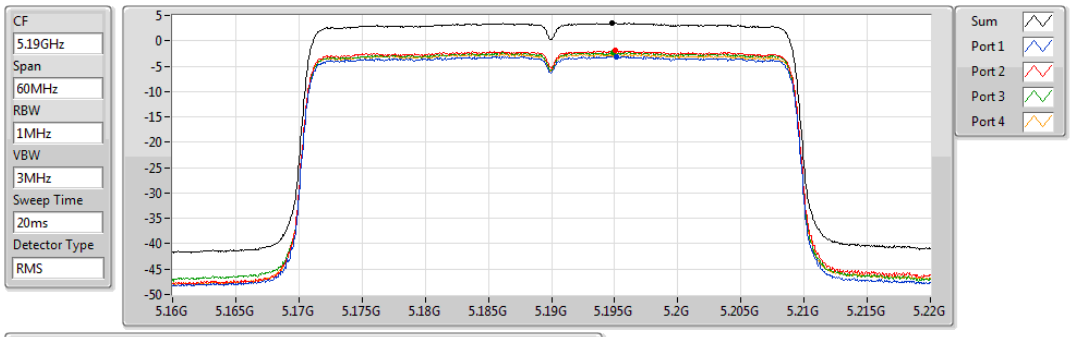


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.71	7.71	1.06	1.34	1.84	2.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

26/01/2019

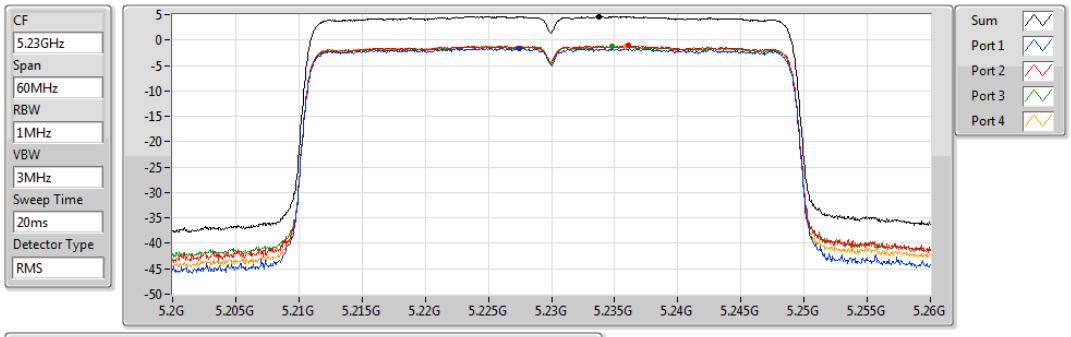


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	-3.10	-1.97	-2.27	-2.68

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

04/03/2019

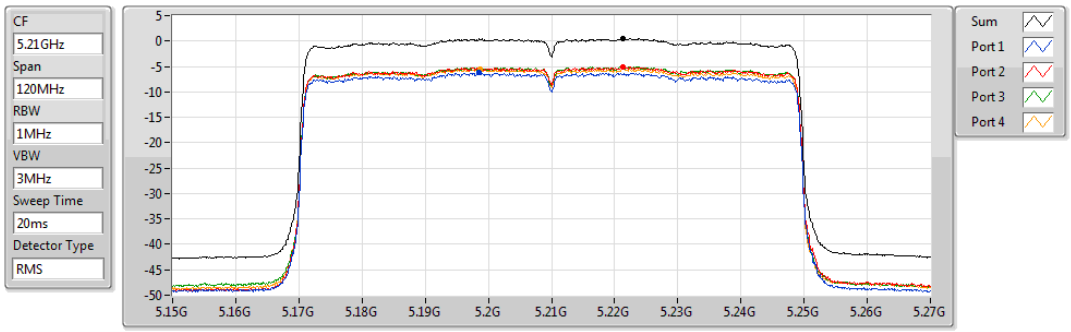


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.63	4.63	-1.61	-1.08	-1.20	-1.21

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

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;

Result

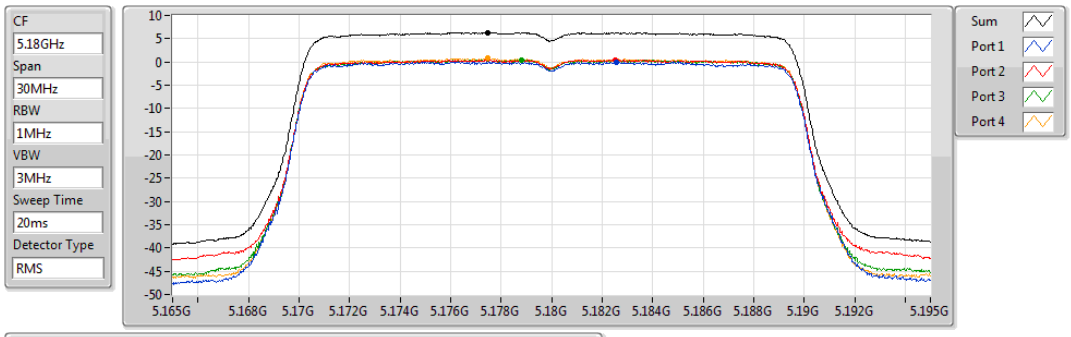
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	-0.00	0.43	0.45	0.75	6.31	17.00
5200MHz	Pass	6.00	4.26	4.37	4.65	4.66	10.33	17.00
5240MHz	Pass	6.00	5.91	5.79	5.98	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

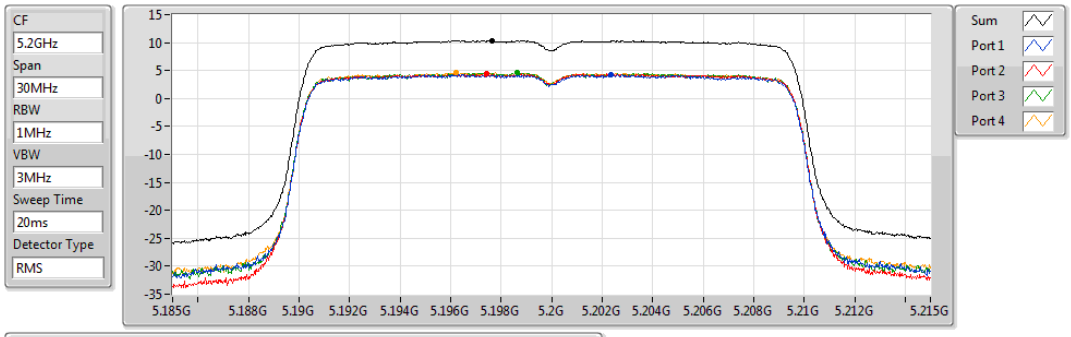


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.31	6.31	-0.00	0.43	0.45	0.75

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5200MHz

24/01/2019

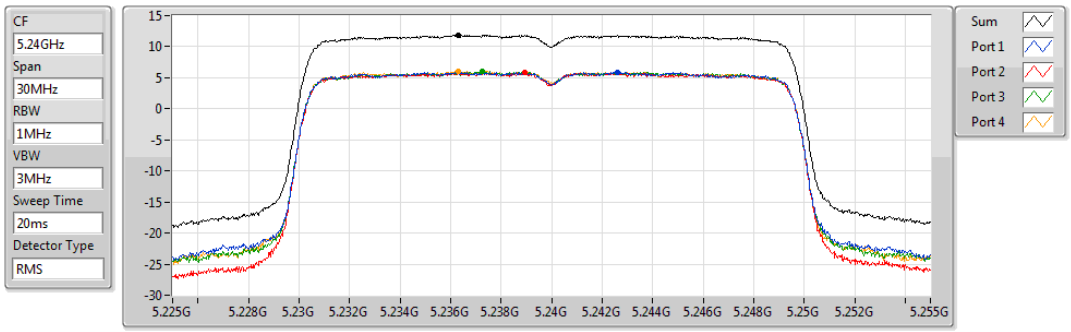


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.33	10.33	4.26	4.37	4.65	4.66

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

5240MHz

24/01/2019

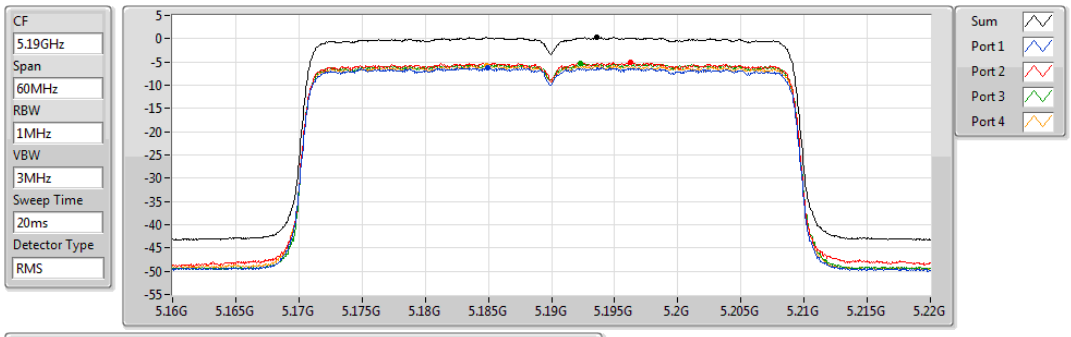


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.86	11.86	5.91	5.79	5.98	6.07

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz

24/01/2019

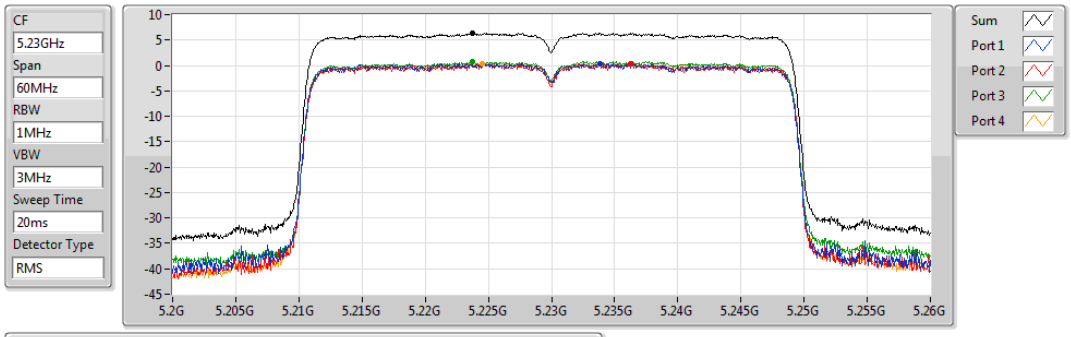


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29	-6.14	-5.16	-5.38	-5.76

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5230MHz

24/01/2019

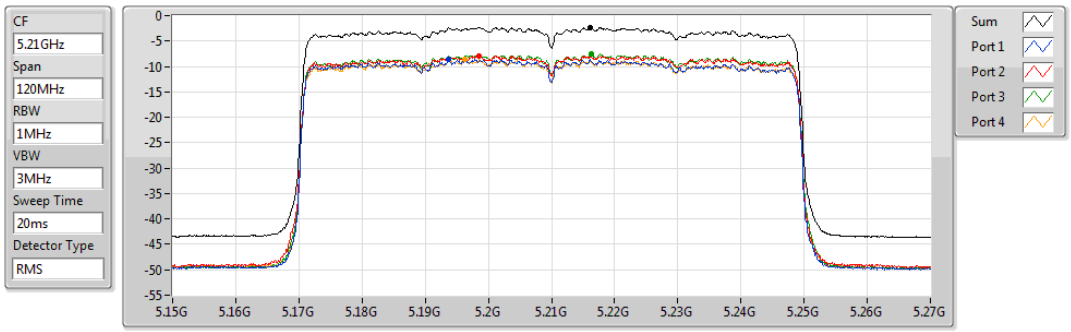


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.37	6.37	0.42	0.41	0.85	0.39

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

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

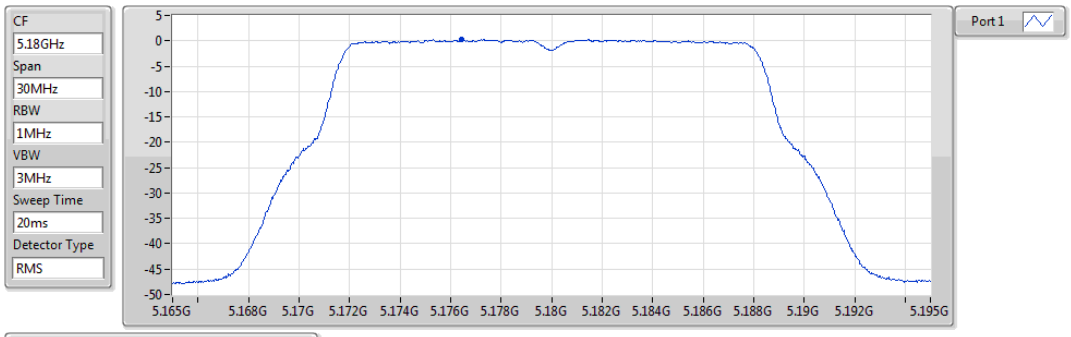
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	0.22	0.22	14.30
5200MHz	Pass	8.70	0.23	0.23	14.30
5240MHz	Pass	8.70	0.40	0.40	14.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.70	-0.43	-0.43	14.30
5200MHz	Pass	8.70	-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

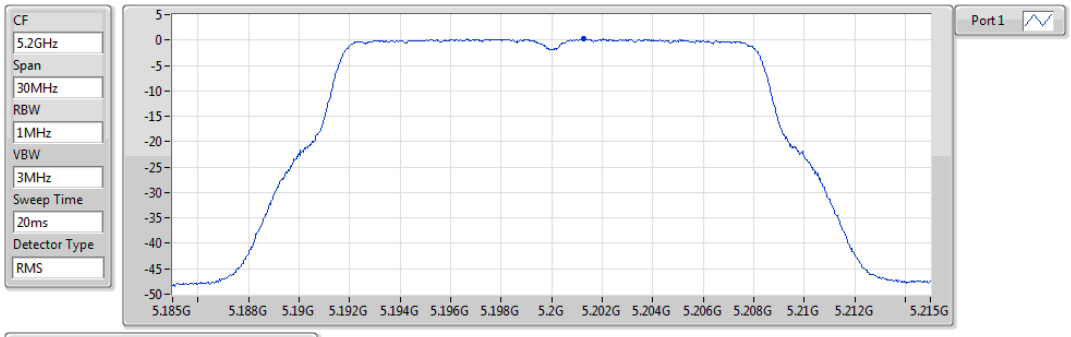


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.22	0.22	0.22

802.11a_Nss1,(6Mbps)_1TX PSD

5200MHz

02/03/2019

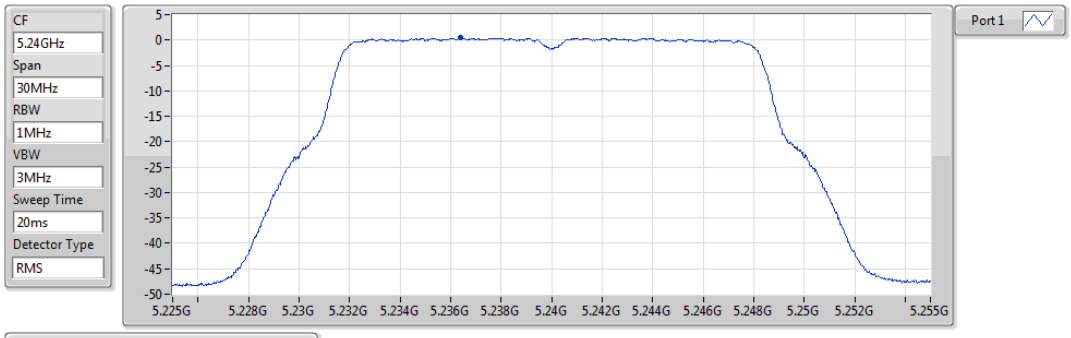


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.23	0.23	0.23

802.11a_Nss1,(6Mbps)_1TX PSD

5240MHz

02/03/2019

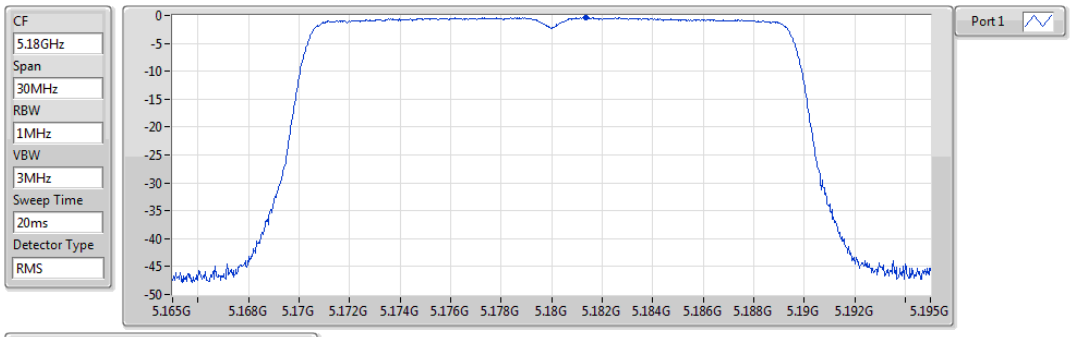


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.40	0.40	0.40

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5180MHz

02/03/2019

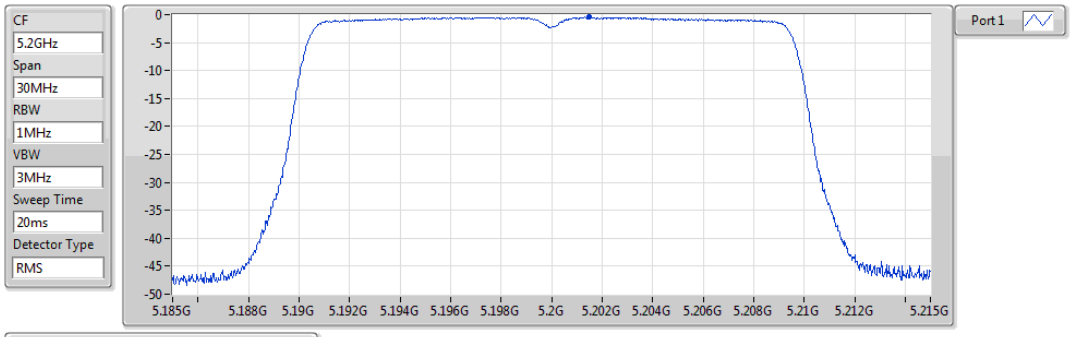


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.43	-0.43	-0.43

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5200MHz

02/03/2019

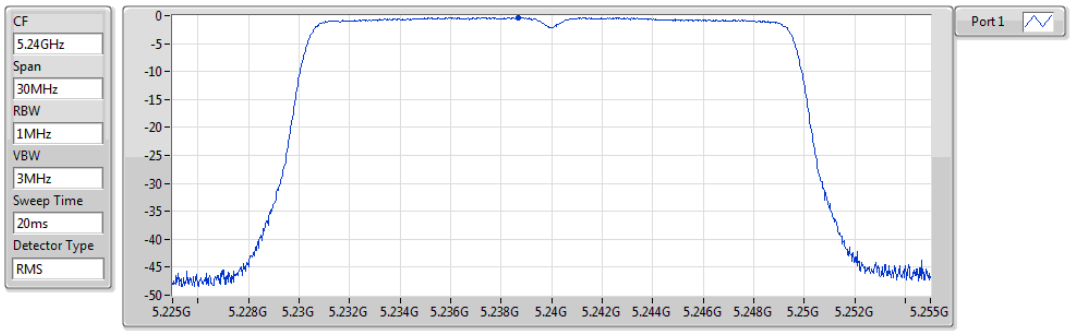


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.45	-0.45	-0.45

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

5240MHz

02/03/2019

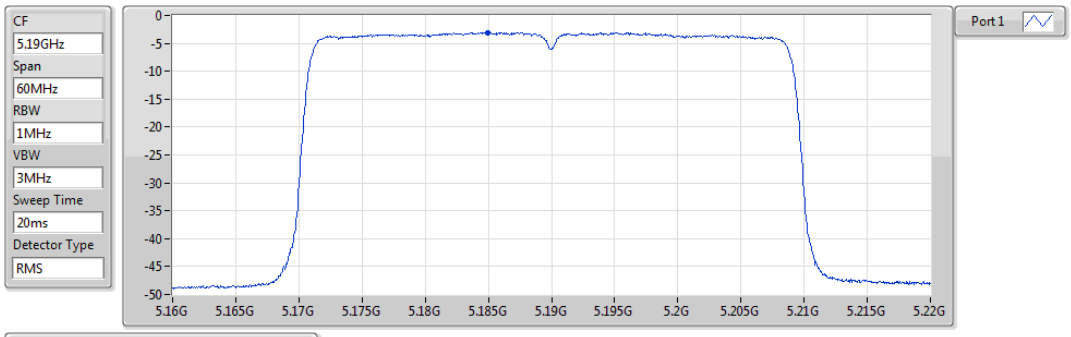


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.30	-0.30	-0.30

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5190MHz

02/03/2019

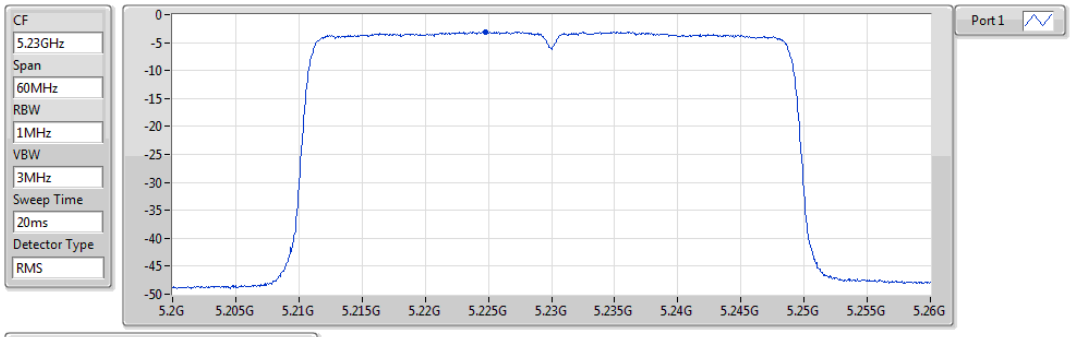


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.05	-3.05	-3.05

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

5230MHz

02/03/2019

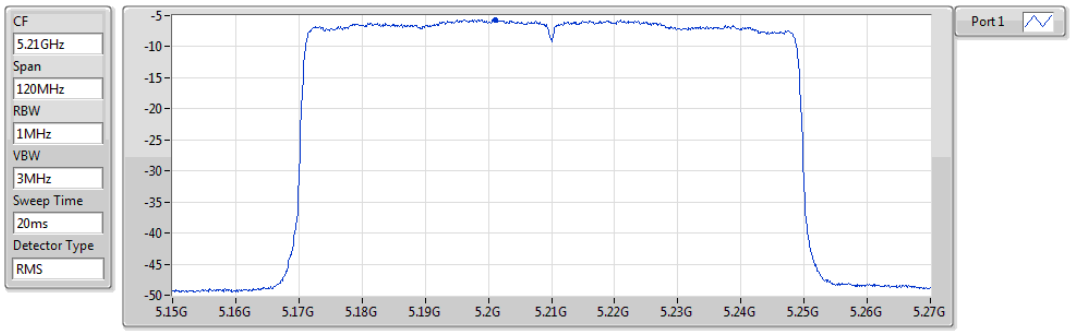


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.03	-3.03	-3.03

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz

02/03/2019



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

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

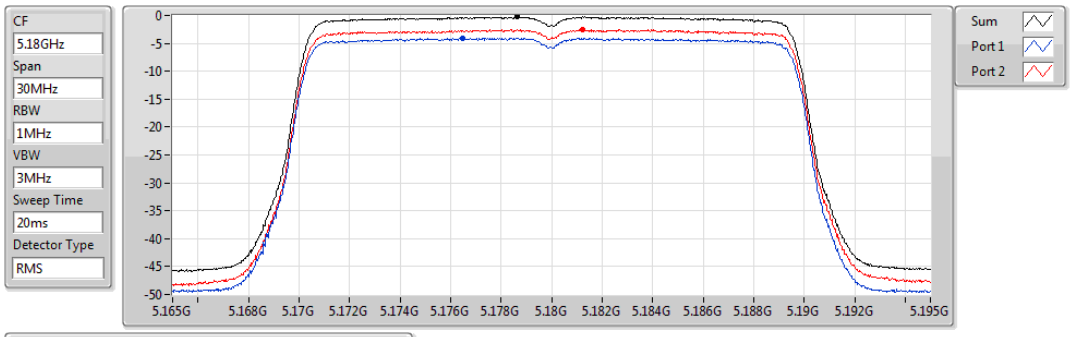
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.70	-4.06	-2.52	-0.25	14.30
5200MHz	Pass	8.70	-4.00	-2.21	-0.04	14.30
5240MHz	Pass	8.70	-3.89	-2.72	-0.31	14.30
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	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

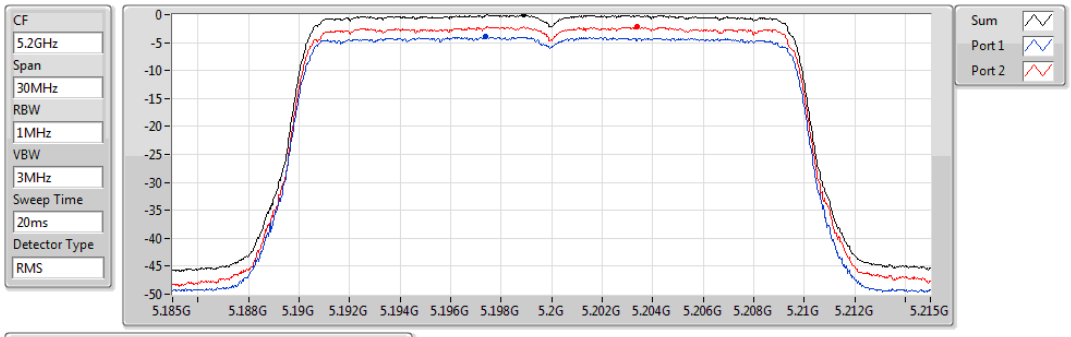


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.25	-0.25	-4.06	-2.52

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5200MHz

02/03/2019

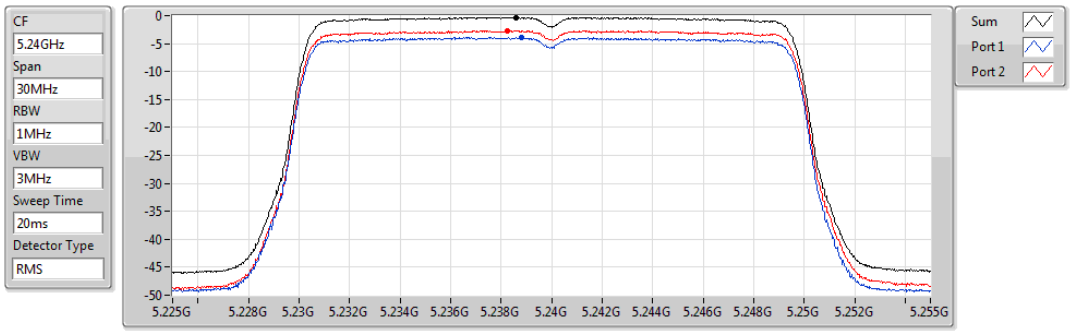


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.04	-0.04	-4.00	-2.21

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

5240MHz

02/03/2019

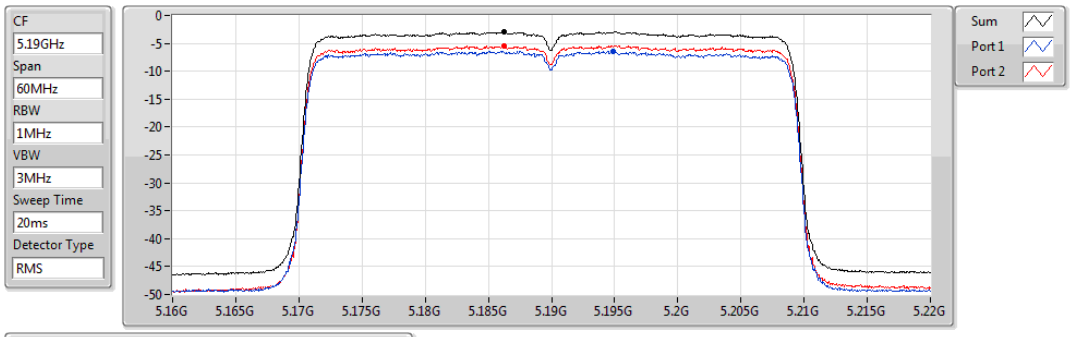


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.31	-0.31	-3.89	-2.72

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5190MHz

02/03/2019

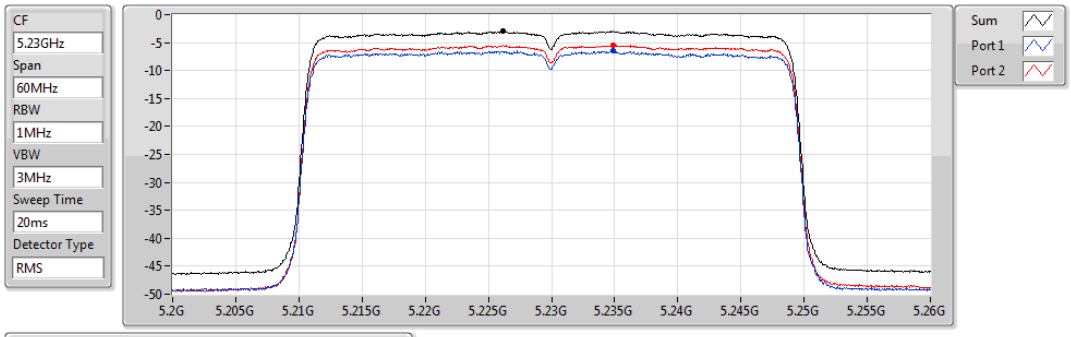


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.97	-2.97	-6.43	-5.47

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

5230MHz

02/03/2019

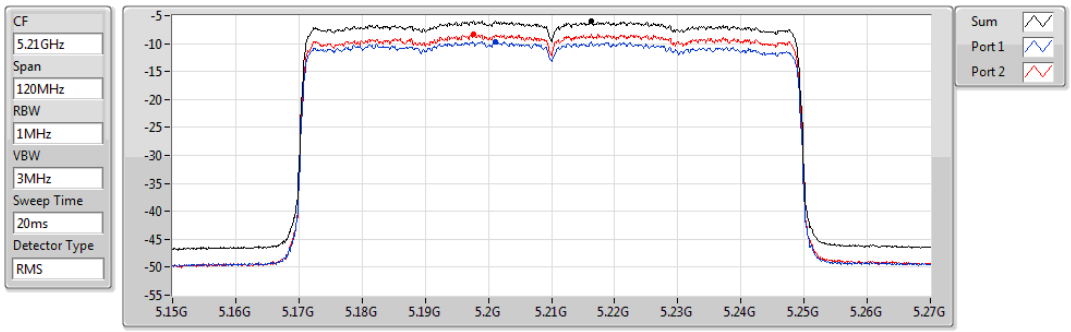


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.98	-2.98	-6.47	-5.45

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)
-6.02	-6.02	-9.68	-8.34

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;

Result

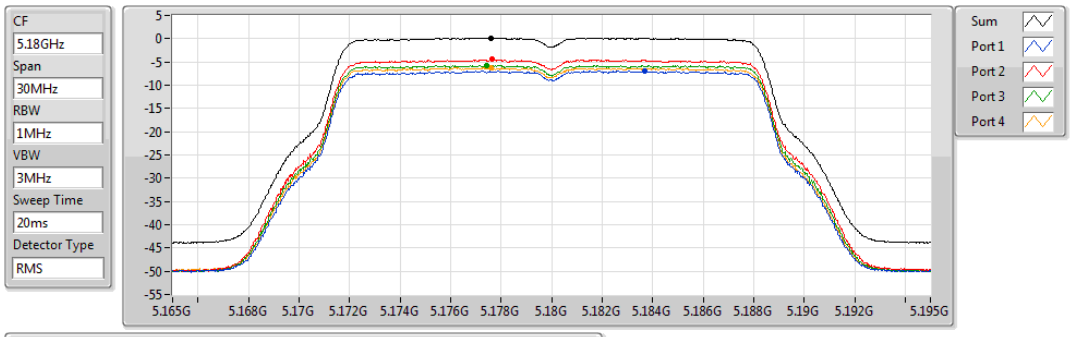
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-6.95	-4.48	-5.73	-6.26	0.15	8.28
5200MHz	Pass	14.72	-6.84	-4.89	-5.64	-5.92	0.19	8.28
5240MHz	Pass	14.72	-6.76	-4.58	-5.60	-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

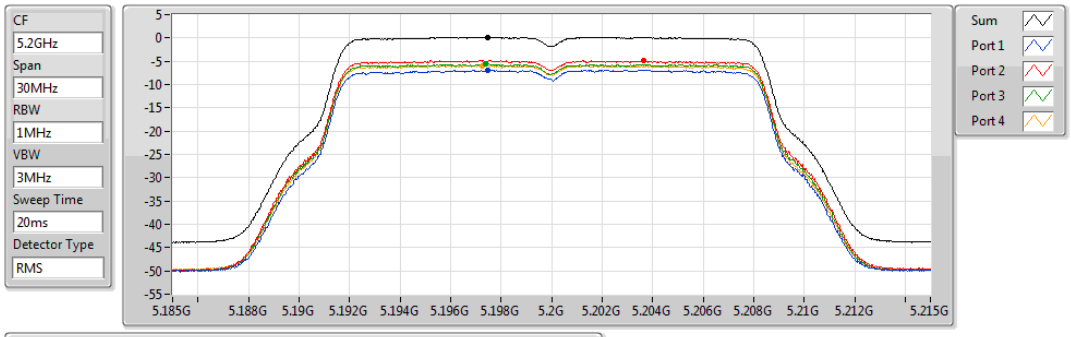


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.15	0.15	-6.95	-4.48	-5.73	-6.26

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

02/03/2019

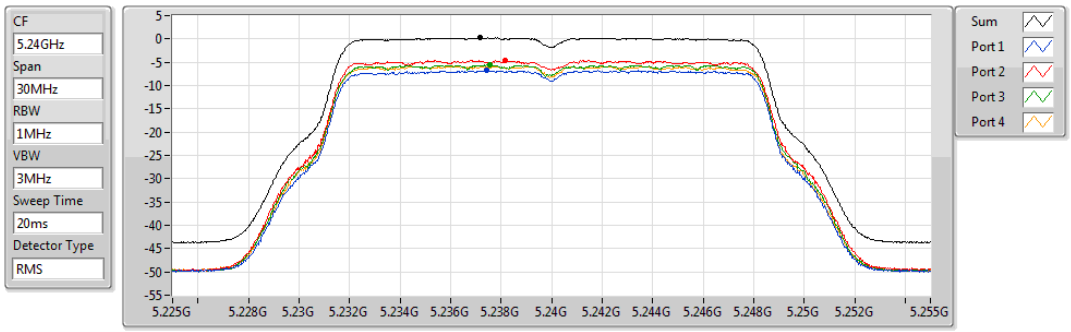


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.19	0.19	-6.84	-4.89	-5.64	-5.92

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

02/03/2019

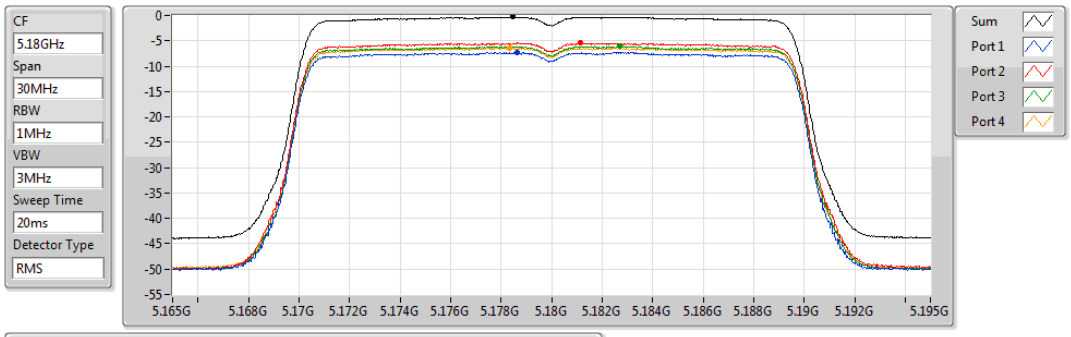


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.24	0.24	-6.76	-4.58	-5.60	-5.84

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

02/03/2019

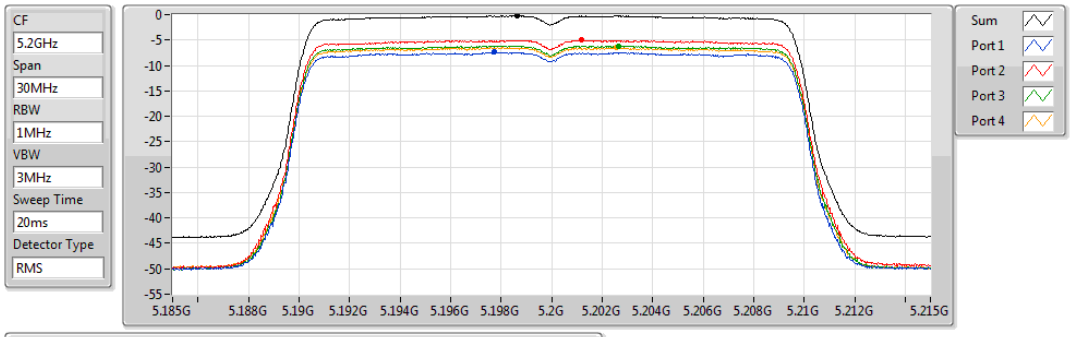


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.32	-0.32	-7.31	-5.39	-6.12	-6.45

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

02/03/2019

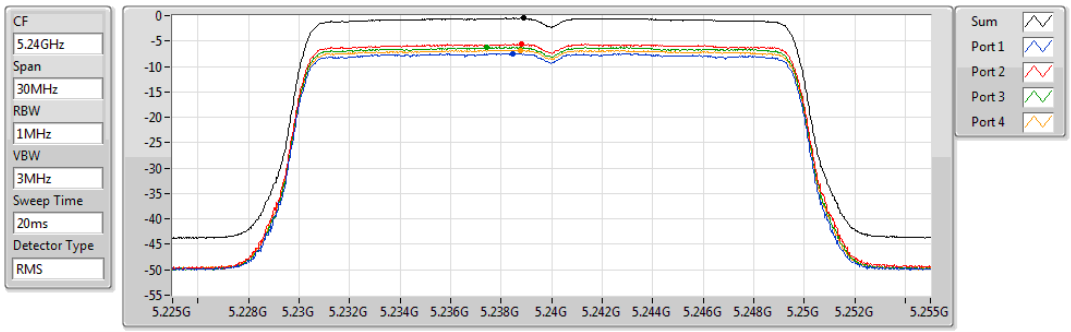


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.25	-0.25	-7.40	-5.02	-6.15	-6.48

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

02/03/2019

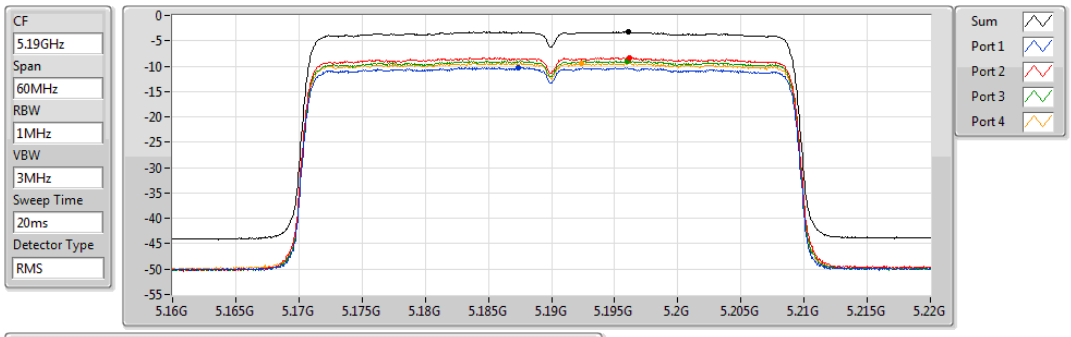


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.50	-0.50	-7.43	-5.63	-6.18	-6.78

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

02/03/2019

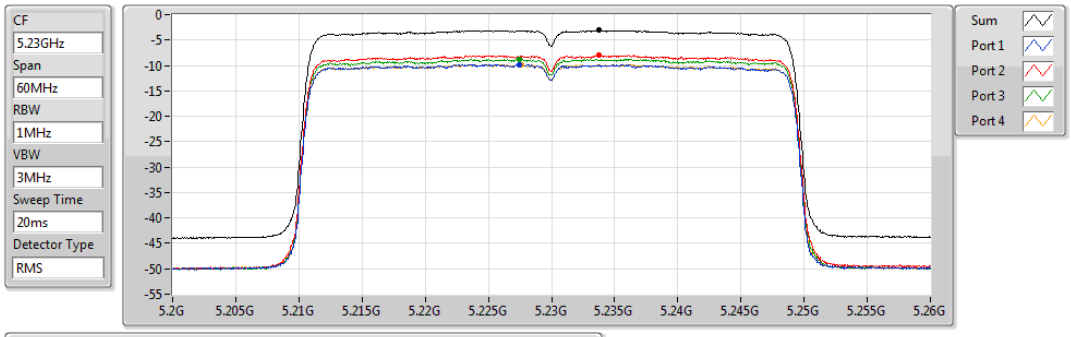


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.22	-3.22	-10.22	-8.33	-8.97	-9.41

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

02/03/2019

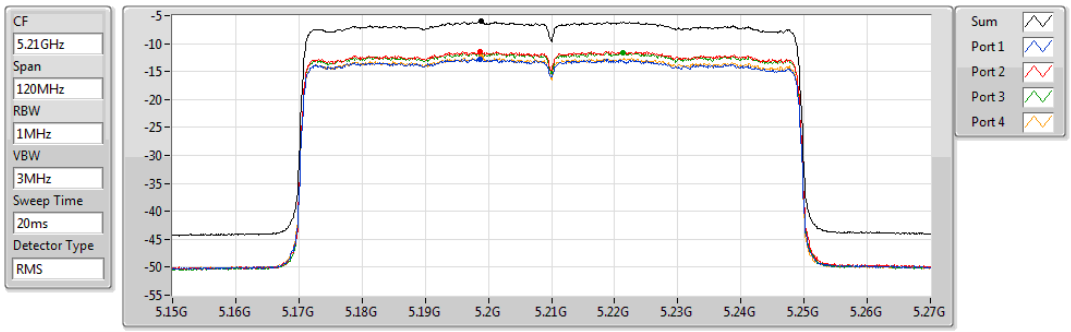


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-9.78	-7.91	-8.77	-9.86

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

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

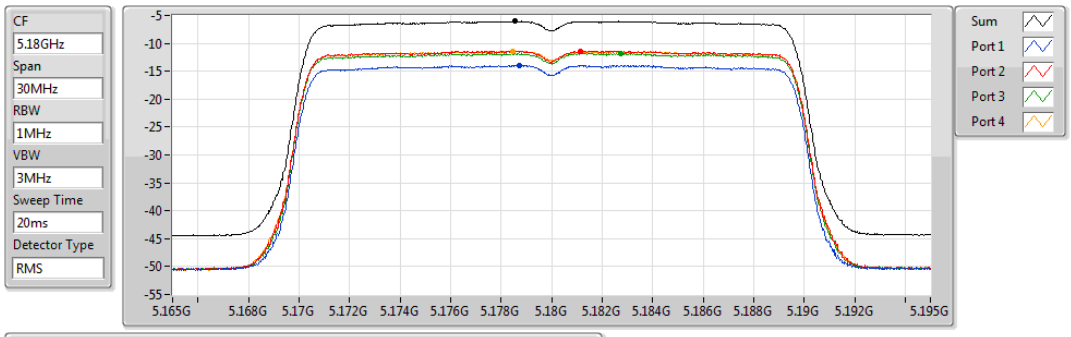
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.72	-13.90	-11.37	-11.79	-11.35	-6.06	8.28
5200MHz	Pass	14.72	-13.73	-11.26	-11.56	-11.33	-5.91	8.28
5240MHz	Pass	14.72	-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

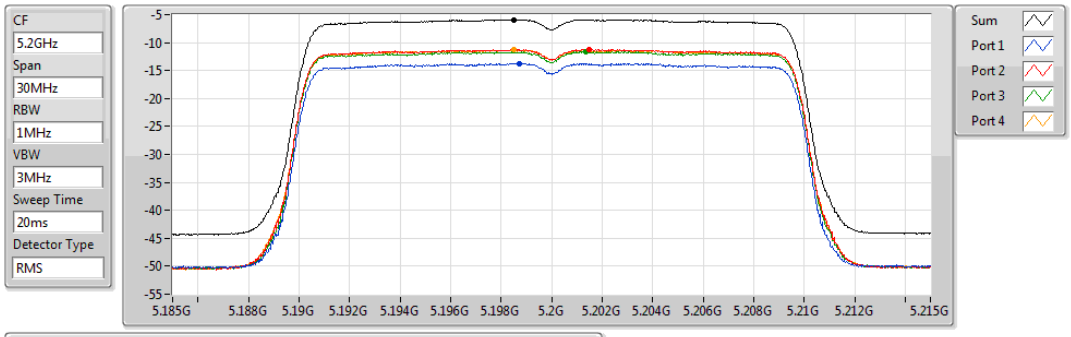


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.06	-6.06	-13.90	-11.37	-11.79	-11.35

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5200MHz

01/03/2019

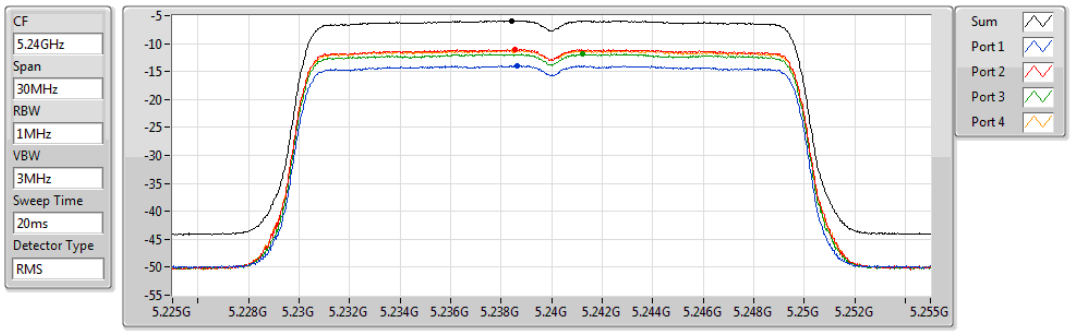


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.91	-5.91	-13.73	-11.26	-11.56	-11.33

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

5240MHz

01/03/2019

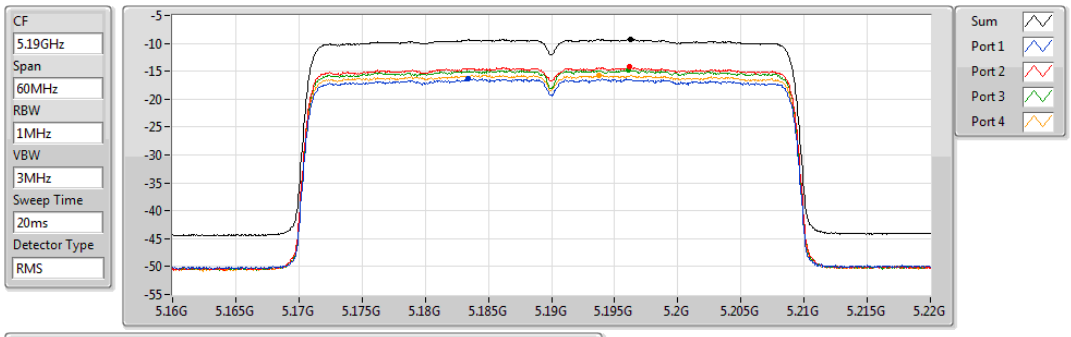


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.94	-5.94	-13.97	-11.06	-11.86	-11.22

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5190MHz

01/03/2019

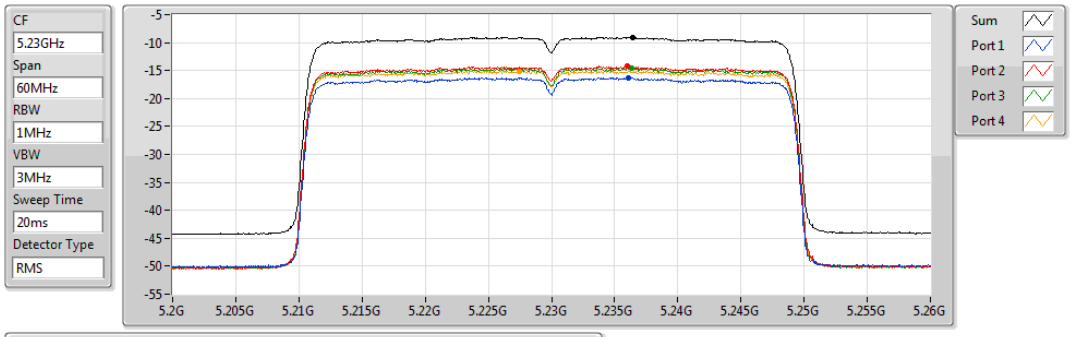


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.28	-9.28	-16.40	-14.25	-14.81	-15.74

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5230MHz

01/03/2019

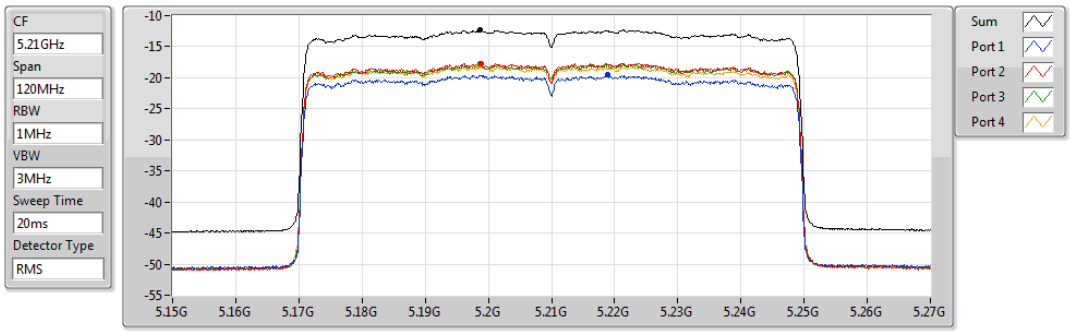


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.01	-9.01	-16.25	-14.21	-14.53	-15.07

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;

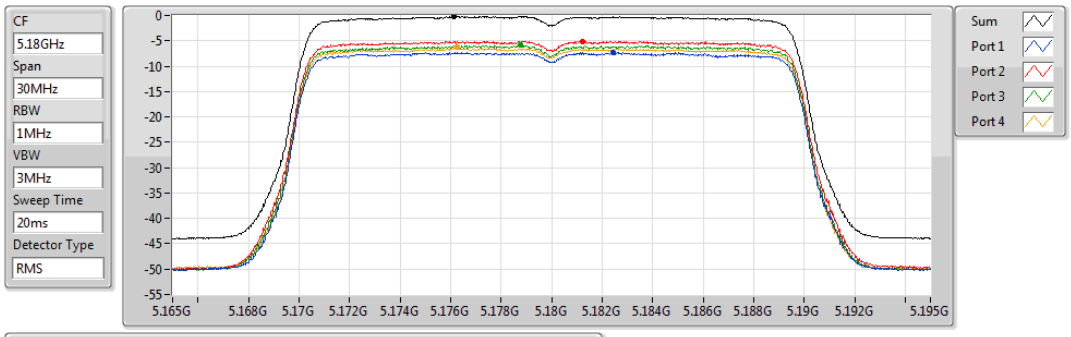
Result

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

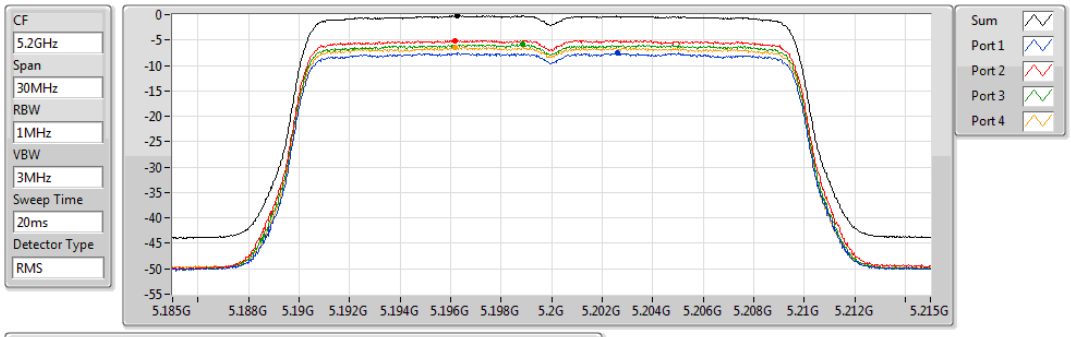
5180MHz



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

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

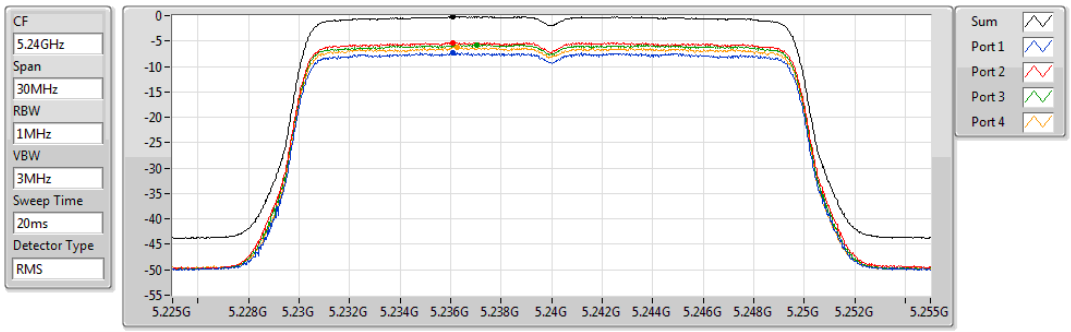
5200MHz



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

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

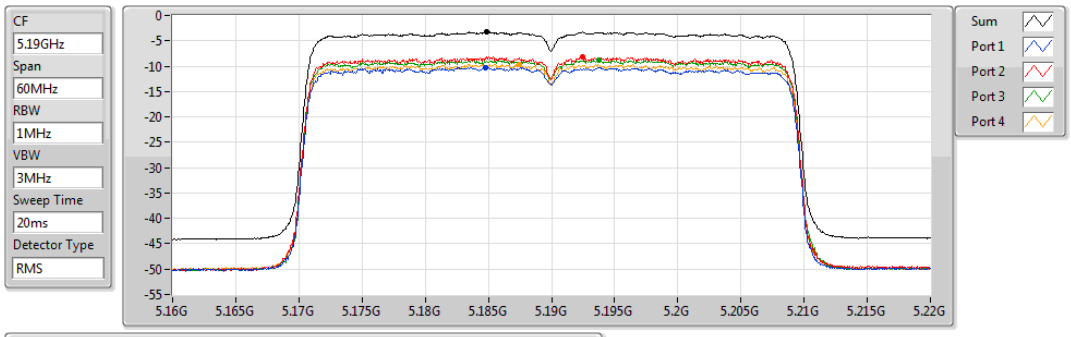
5240MHz



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

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

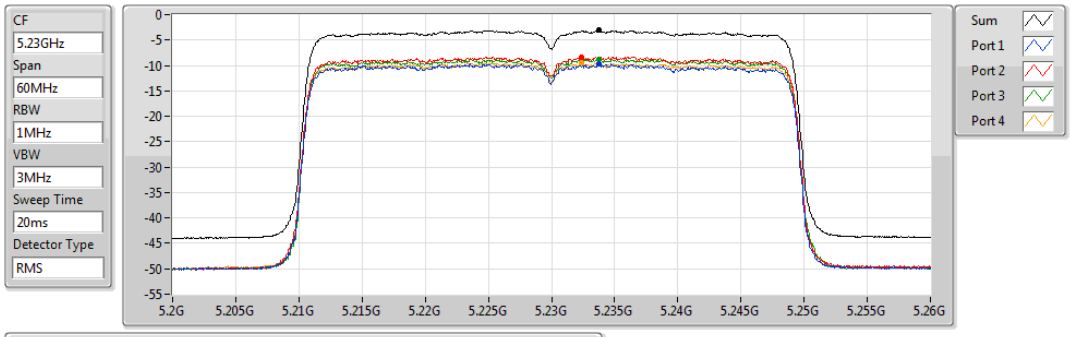
5190MHz



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

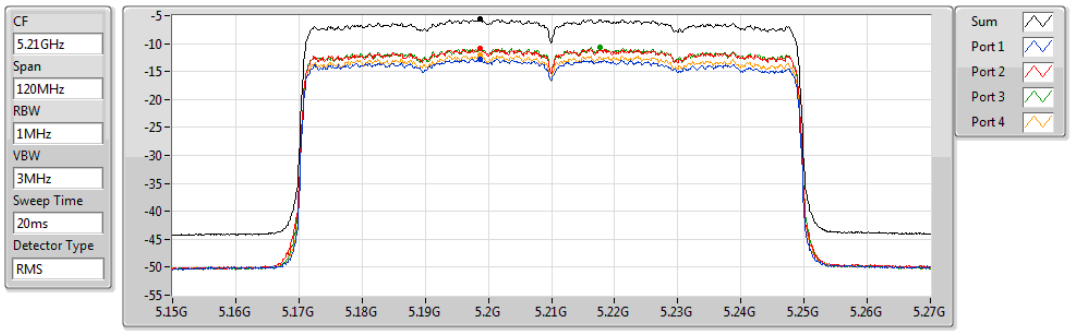
5230MHz



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

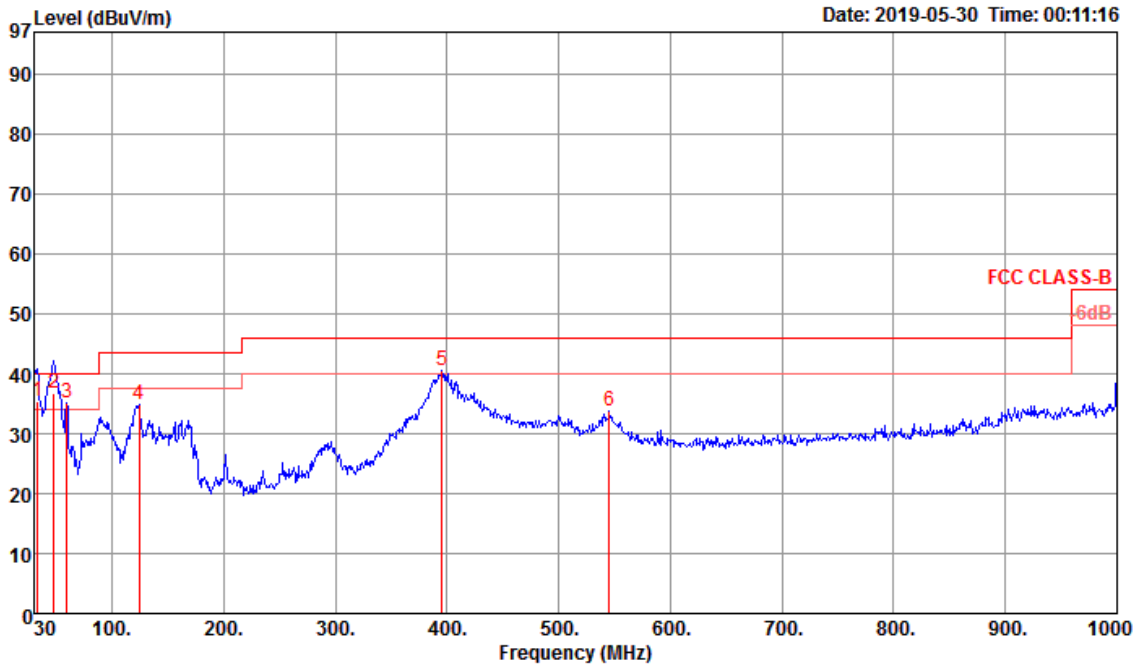
5210MHz



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

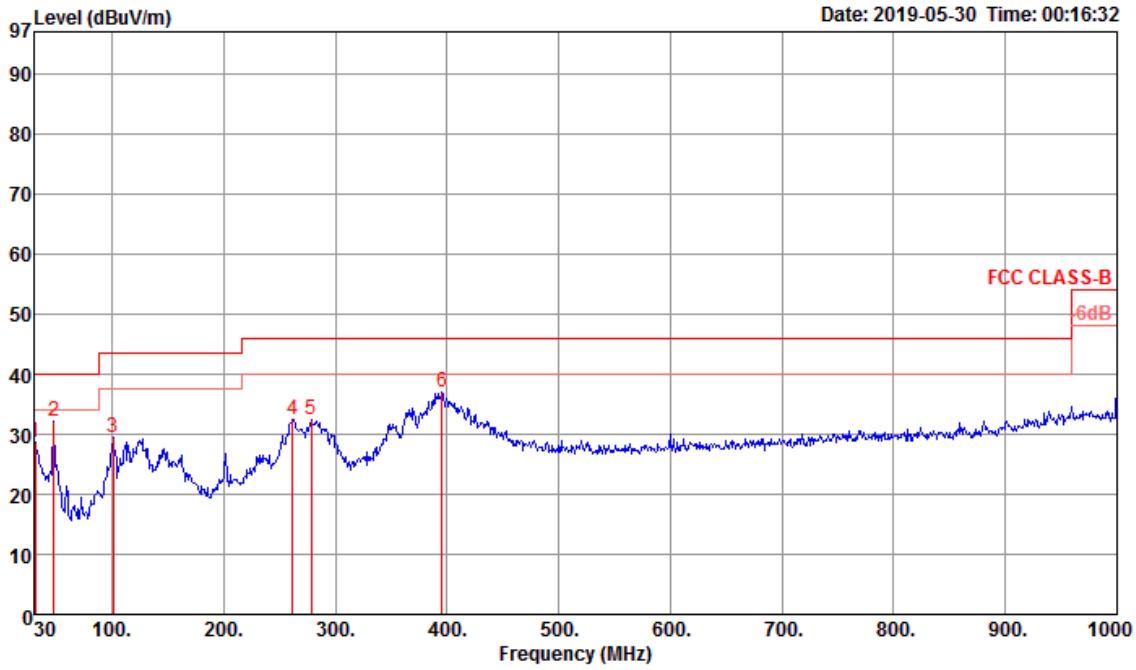
Test Mode	Mode 1	Frequency Range	30 MHz to 1,000 MHz
Operating Function	Intentional - CTX		

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	35.41	40.00	-4.59	41.89	0.77	24.18	31.43	300	0	QP	VERTICAL
2	47.46	36.79	40.00	-3.21	51.40	0.90	16.05	31.56	115	203	QP	VERTICAL
3	59.10	35.23	40.00	-4.77	53.38	0.99	12.60	31.74	300	0	Peak	VERTICAL
4	124.09	34.76	43.50	-8.74	46.21	1.38	18.90	31.73	300	0	Peak	VERTICAL
5	395.69	40.55	46.00	-5.45	48.03	2.49	22.08	32.05	300	0	Peak	VERTICAL
6	545.07	33.82	46.00	-12.18	38.58	2.85	24.60	32.21	300	0	Peak	VERTICAL

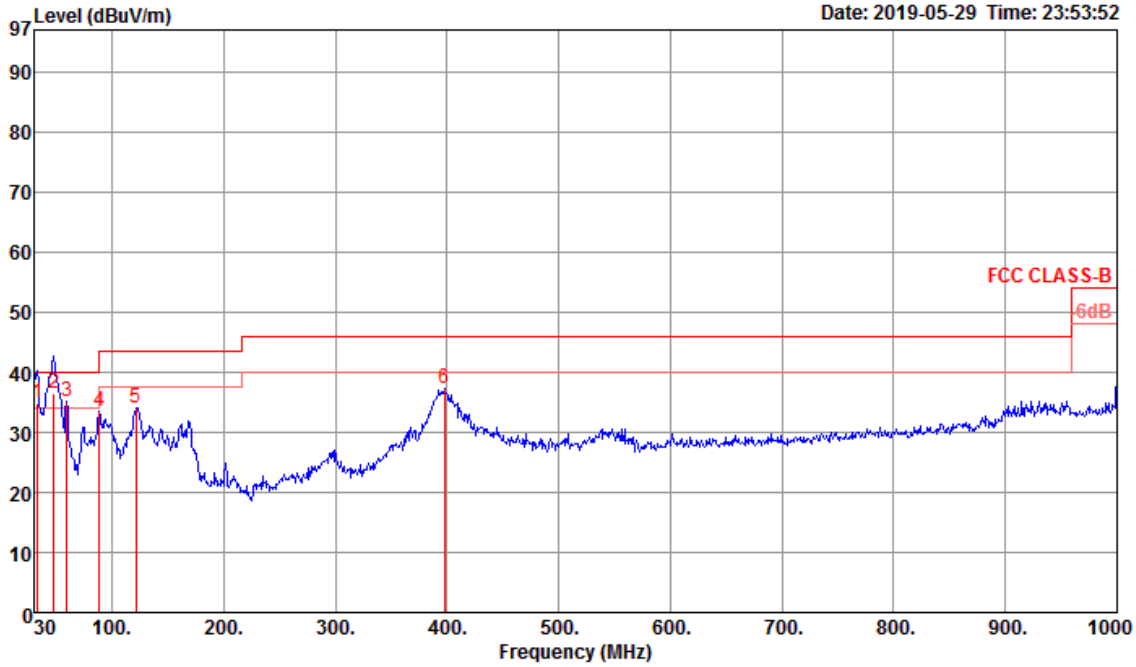
Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	28.67	40.00	-11.33	33.99	0.76	25.40	31.48	100	360	Peak	HORIZONTAL
2	47.46	32.18	40.00	-7.82	46.79	0.90	16.05	31.56	100	360	Peak	HORIZONTAL
3	100.81	29.54	43.50	-13.96	42.80	1.24	17.40	31.90	100	360	Peak	HORIZONTAL
4	261.83	32.42	46.00	-13.58	42.67	1.99	19.68	31.92	100	360	Peak	HORIZONTAL
5	278.32	32.50	46.00	-13.50	43.09	2.04	19.30	31.93	100	360	Peak	HORIZONTAL
6	395.69	36.99	46.00	-9.01	44.47	2.49	22.08	32.05	100	360	Peak	HORIZONTAL

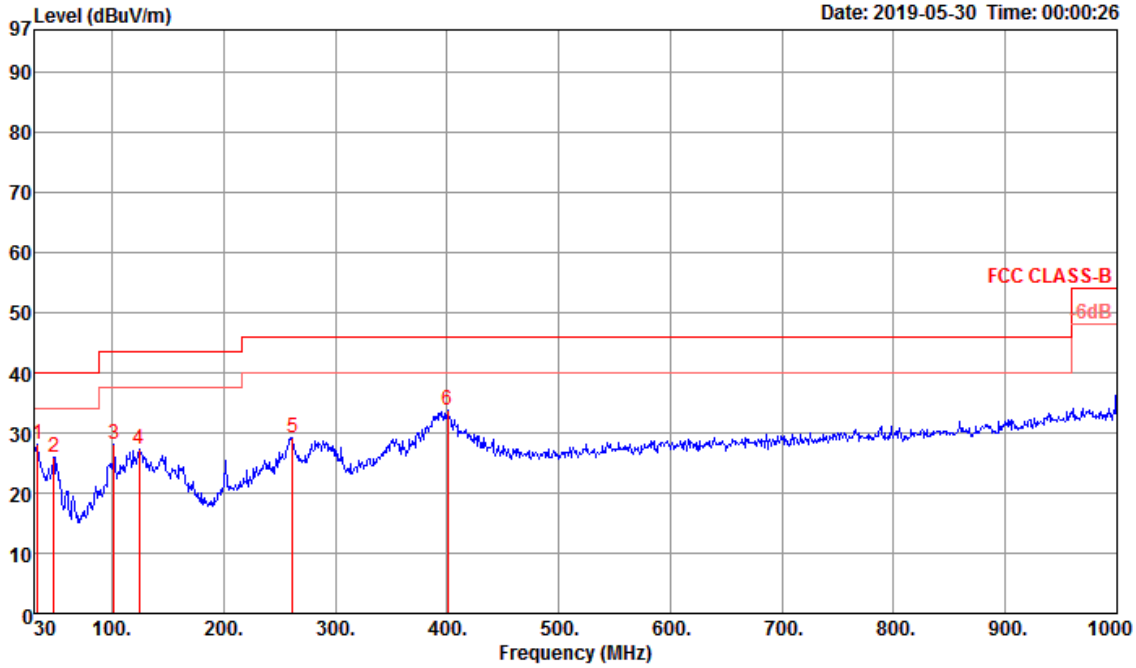
Test Mode	Mode 1	Frequency Range	30 MHz to 1,000 MHz
Operating Function	Unintentional – CRX		

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	34.91	40.00	-5.09	41.39	0.77	24.18	31.43	108	211	QP	VERTICAL
2	47.46	36.59	40.00	-3.41	51.20	0.90	16.05	31.56	102	214	QP	VERTICAL
3	59.10	35.19	40.00	-4.81	53.34	0.99	12.60	31.74	300	0	Peak	VERTICAL
4	88.20	33.55	43.50	-9.95	49.43	1.14	14.77	31.79	300	0	Peak	VERTICAL
5	121.18	34.07	43.50	-9.43	45.47	1.37	18.90	31.67	300	0	Peak	VERTICAL
6	397.63	37.33	46.00	-8.67	44.75	2.49	22.15	32.06	300	0	Peak	VERTICAL

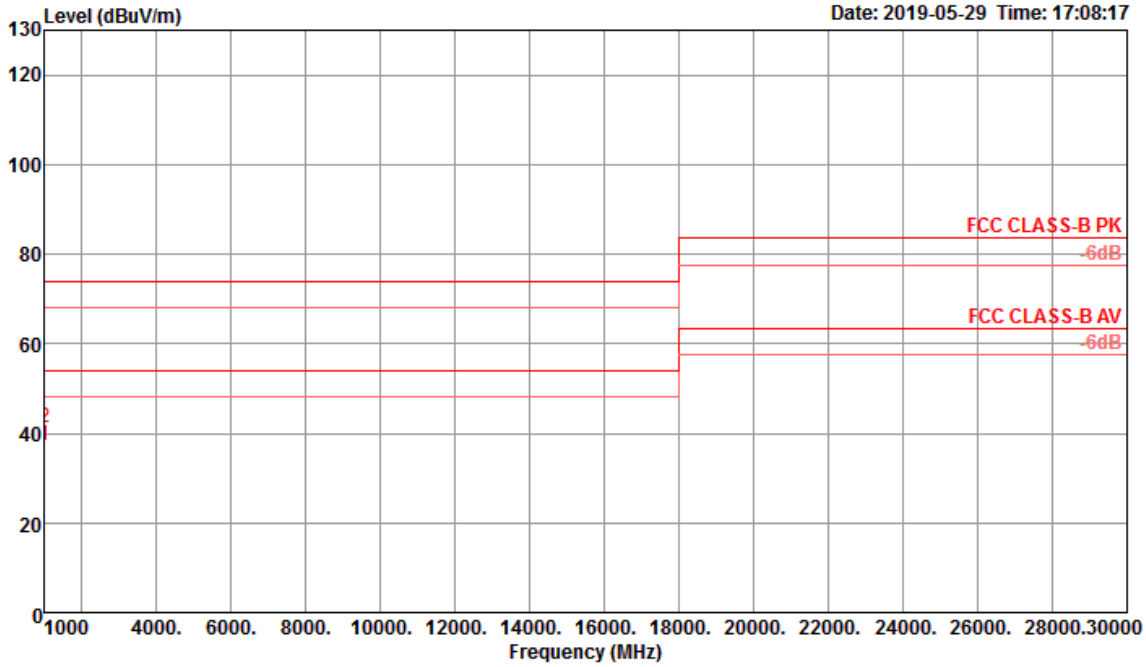
Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	28.12	40.00	-11.88	34.60	0.77	24.18	31.43	100	360	Peak	HORIZONTAL
2	47.46	25.91	40.00	-14.09	40.52	0.90	16.05	31.56	100	360	Peak	HORIZONTAL
3	101.78	28.02	43.50	-15.48	41.14	1.24	17.53	31.89	100	360	Peak	HORIZONTAL
4	124.09	27.32	43.50	-16.18	38.77	1.38	18.90	31.73	100	360	Peak	HORIZONTAL
5	261.83	29.28	46.00	-16.72	39.53	1.99	19.68	31.92	100	360	Peak	HORIZONTAL
6	400.54	33.72	46.00	-12.28	40.98	2.50	22.30	32.06	100	360	Peak	HORIZONTAL

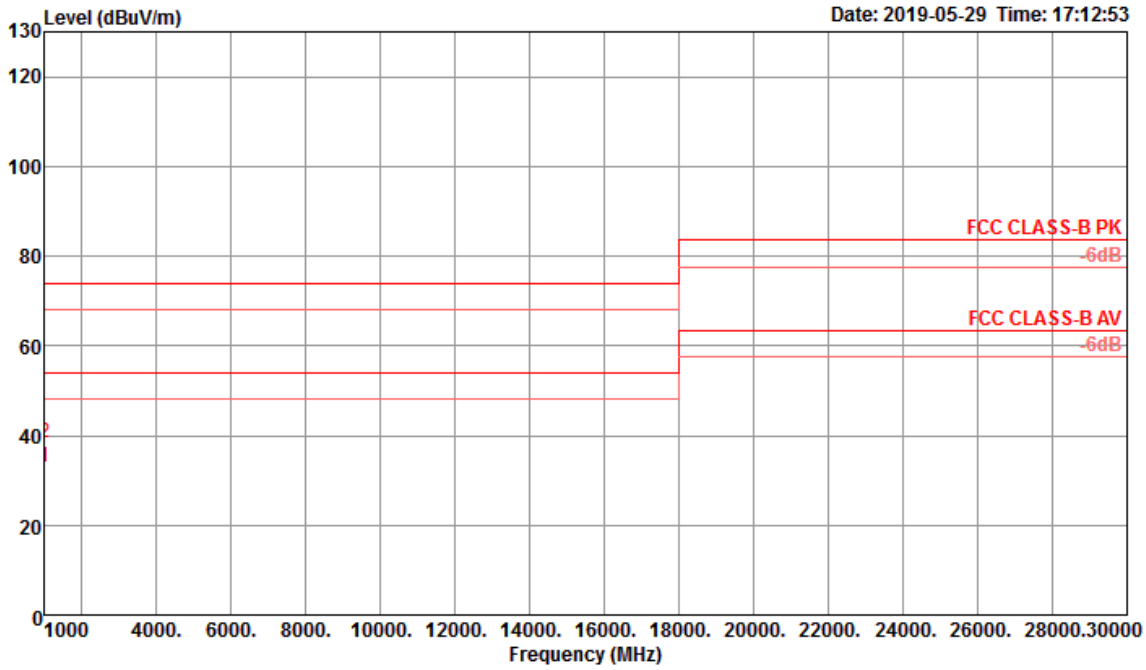
Test Mode	Mode 3	Frequency Range	1,000 MHz to 30,000 MHz
Operating Function	Unintentional - CRX		

Vertical 1,000 MHz to 30,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.02	37.24	54.00	-16.76	47.21	2.50	23.40	35.87	252	295	Average	VERTICAL
2	1000.06	41.20	74.00	-32.80	51.17	2.50	23.40	35.87	252	295	Peak	VERTICAL

Horizontal 1,000 MHz to 30,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.00	32.97	54.00	-21.03	42.94	2.50	23.40	35.87	299	67	Average	HORIZONTAL
2	1000.04	38.56	74.00	-35.44	48.53	2.50	23.40	35.87	299	67	Peak	HORIZONTAL

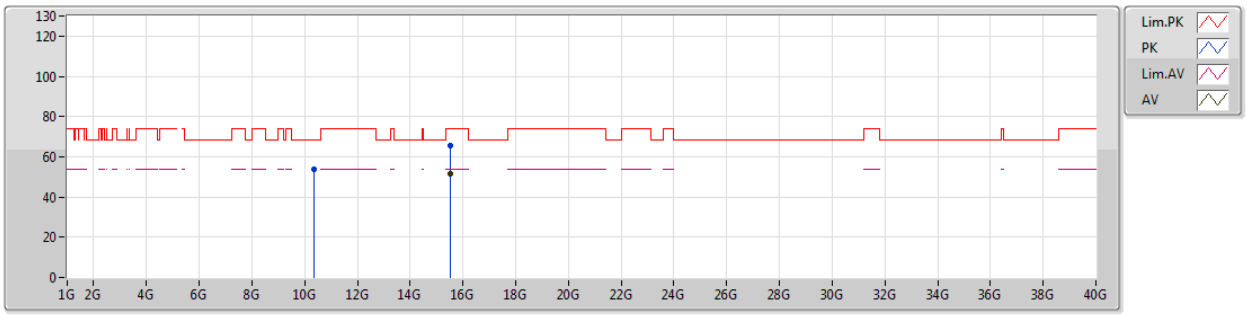
For Radio 1:
For Indoor/Outdoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Mode 1: (Ant. 5 Panel antenna / 3 dBi)
For Non-beamforming / 4T1S mode
Summary

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

5180MHz_TX

15/02/2019



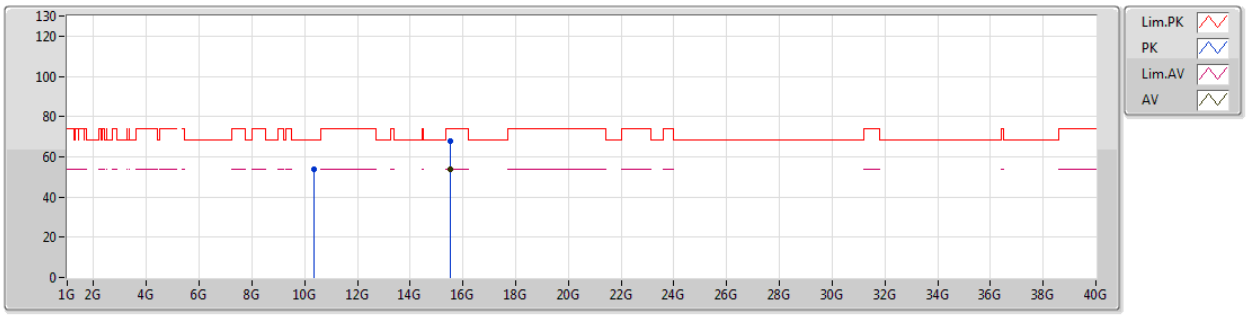
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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

5180MHz_TX

15/02/2019



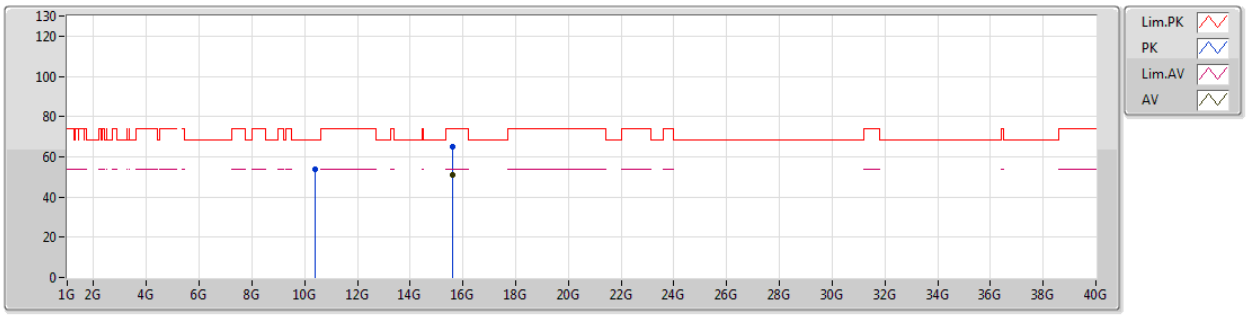
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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

5200MHz_TX

15/02/2019



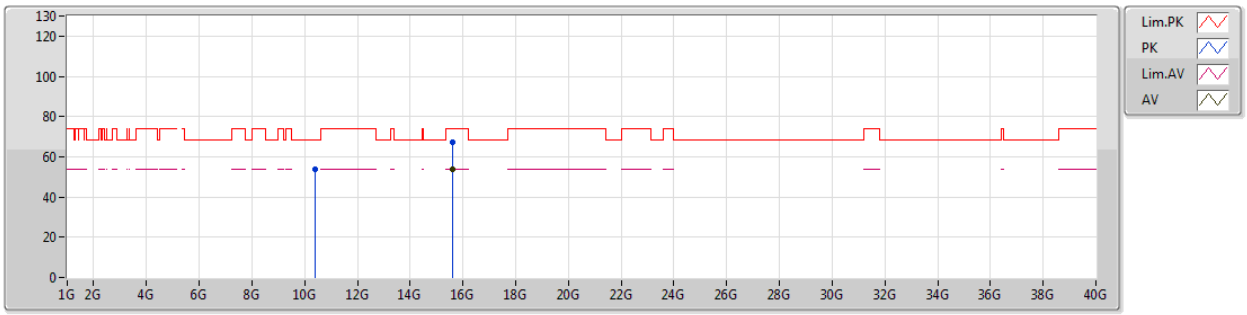
EUT X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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

5200MHz_TX

15/02/2019



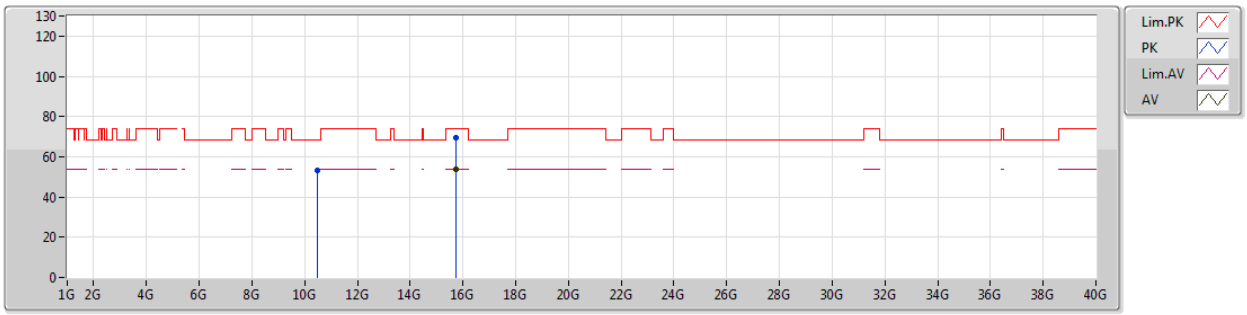
EUT X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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

5240MHz_TX

15/02/2019



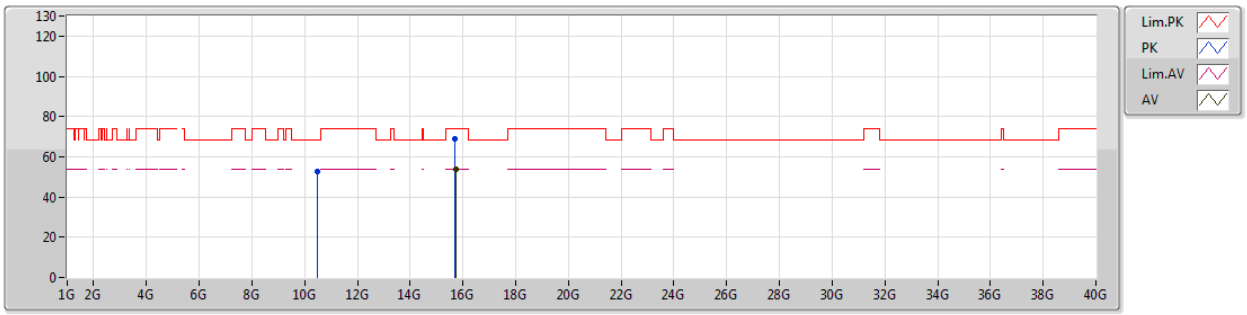
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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

5240MHz_TX

15/02/2019



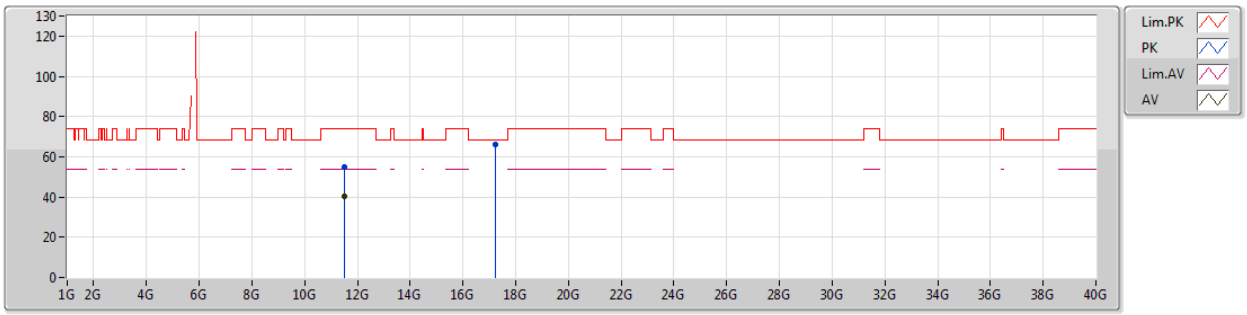
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
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	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

15/02/2019



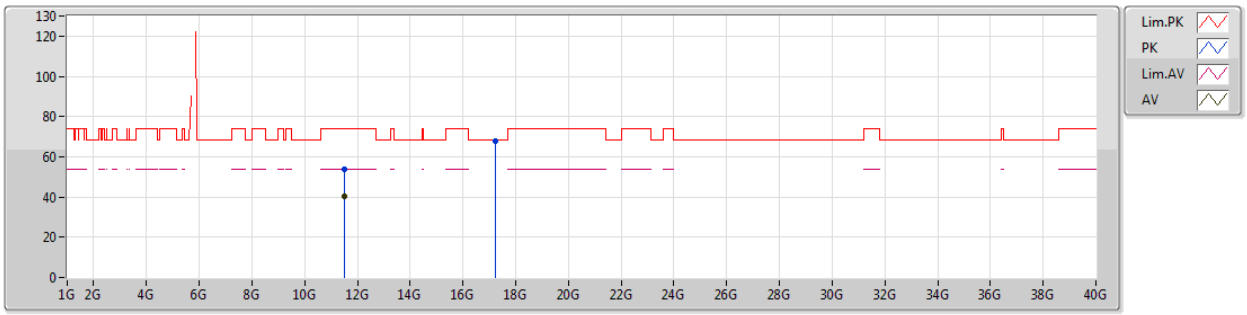
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49232G	54.67	74.00	-19.33	11.93	3	Vertical	31	1.81	-
AV	11.49171G	40.31	54.00	-13.69	11.93	3	Vertical	31	1.81	-
PK	17.2369G	65.88	68.20	-2.32	18.05	3	Vertical	51	1.45	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

15/02/2019



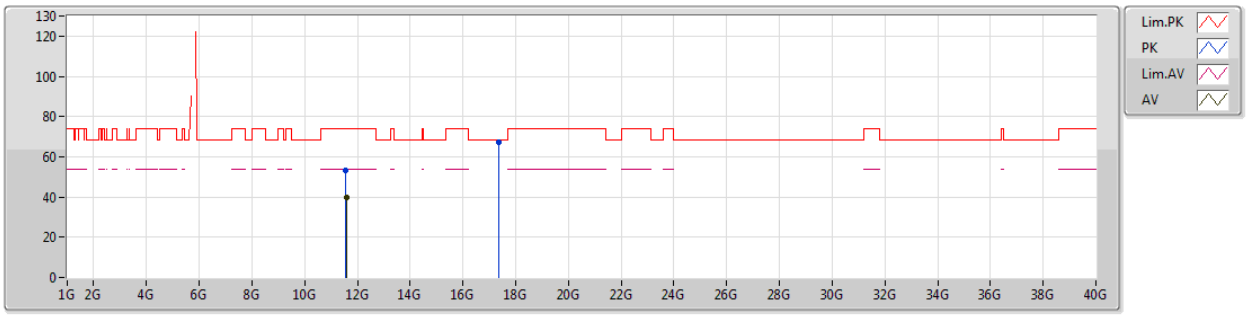
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4895G	53.83	74.00	-20.17	11.93	3	Horizontal	11	1.73	-
AV	11.4896G	40.22	54.00	-13.78	11.93	3	Horizontal	11	1.73	-
PK	17.2328G	68.05	68.20	-0.15	18.05	3	Horizontal	43	2.84	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

15/02/2019



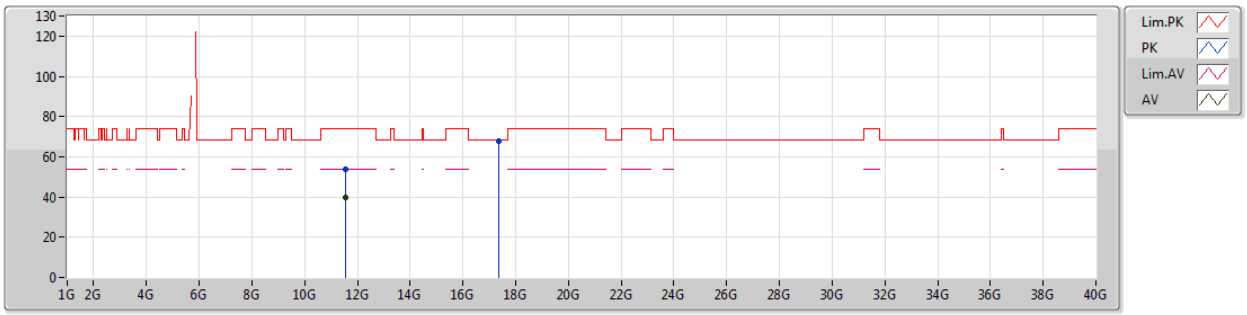
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57138G	53.46	74.00	-20.54	11.95	3	Vertical	322	1.01	-
AV	11.5723G	39.91	54.00	-14.09	11.95	3	Vertical	322	1.01	-
PK	17.3485G	67.09	68.20	-1.11	18.25	3	Vertical	49	1.43	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

15/02/2019



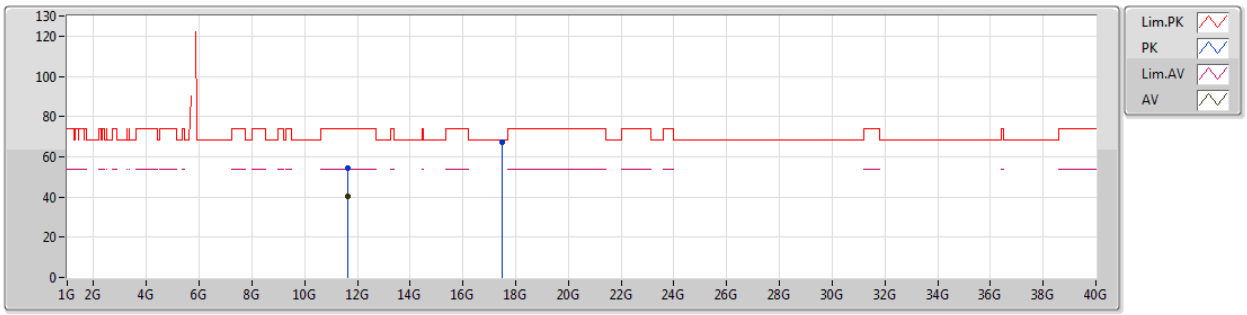
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56975G	53.79	74.00	-20.21	11.95	3	Horizontal	192	1.31	-
AV	11.56982G	39.95	54.00	-14.05	11.95	3	Horizontal	192	1.31	-
PK	17.3628G	67.99	68.20	-0.21	18.28	3	Horizontal	331	1.43	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

15/02/2019



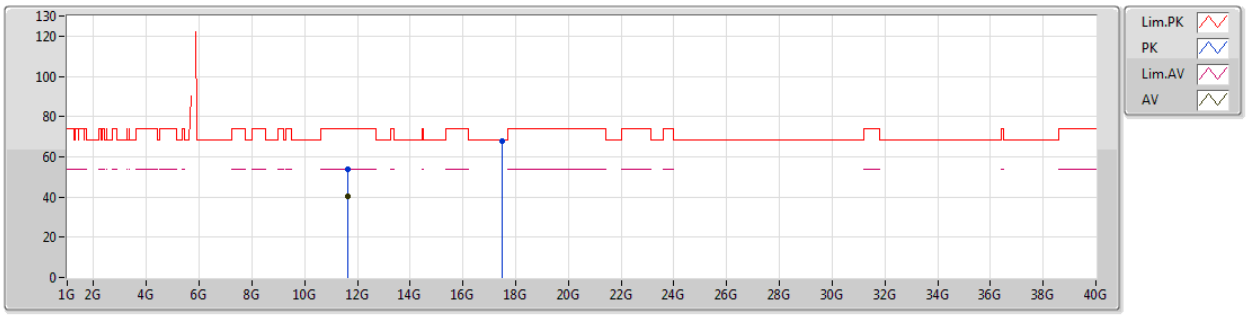
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.6519G	54.57	74.00	-19.43	11.99	3	Vertical	250	1.23	-
AV	11.65038G	40.30	54.00	-13.70	11.99	3	Vertical	250	1.23	-
PK	17.4728G	67.48	68.20	-0.72	18.47	3	Vertical	13	2.05	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

15/02/2019



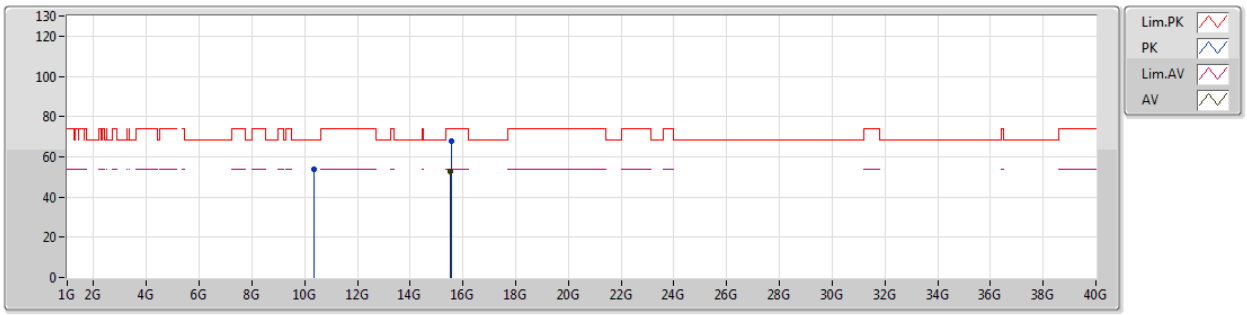
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64807G	53.96	74.00	-20.04	11.99	3	Horizontal	80	1.41	-
AV	11.64988G	40.26	54.00	-13.74	11.99	3	Horizontal	80	1.41	-
PK	17.4744G	67.97	68.20	-0.23	18.48	3	Horizontal	316	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

15/02/2019



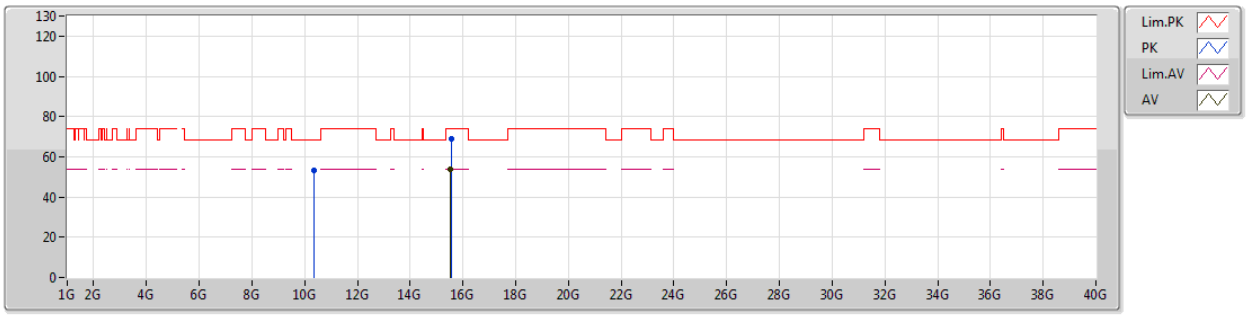
EUT X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35881G	53.57	68.20	-14.63	10.85	3	Vertical	187	1.35	-
PK	15.5475G	67.53	74.00	-6.47	14.45	3	Vertical	60	2.40	-
AV	15.5425G	52.77	54.00	-1.23	14.45	3	Vertical	60	2.40	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

15/02/2019



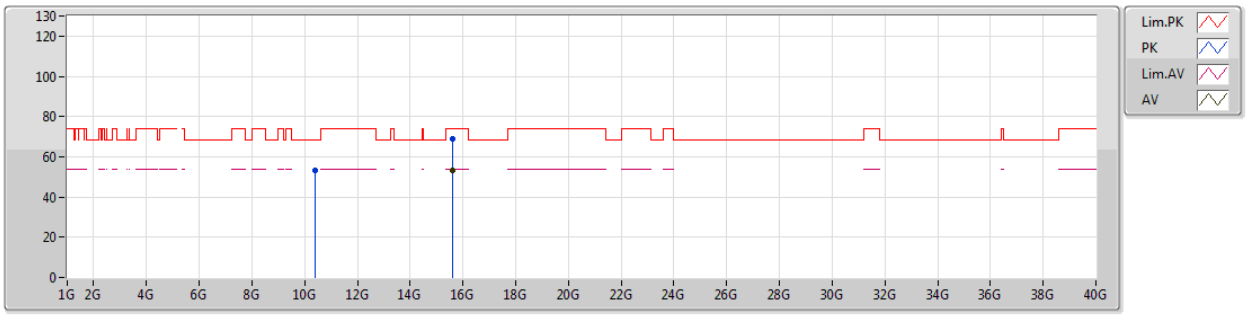
EUT X_4TX
Setting 85
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36115G	53.04	68.20	-15.16	10.85	3	Horizontal	139	2.38	-
PK	15.5473G	68.81	74.00	-5.19	14.45	3	Horizontal	15	1.86	-
AV	15.5424G	53.76	54.00	-0.24	14.45	3	Horizontal	15	1.86	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

15/02/2019



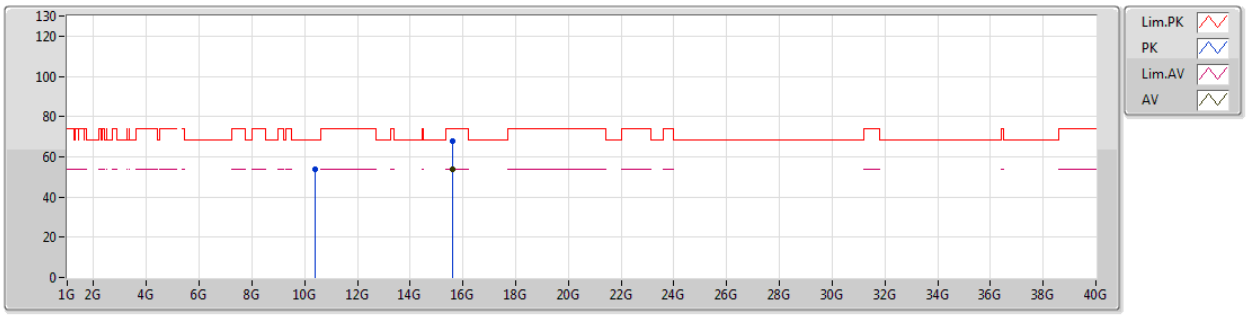
EUT X_4TX
Setting 90
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40157G	53.49	68.20	-14.71	10.91	3	Vertical	4	2.29	-
PK	15.6042G	69.06	74.00	-4.94	14.38	3	Vertical	22	1.32	-
AV	15.6014G	53.14	54.00	-0.86	14.38	3	Vertical	22	1.32	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

15/02/2019



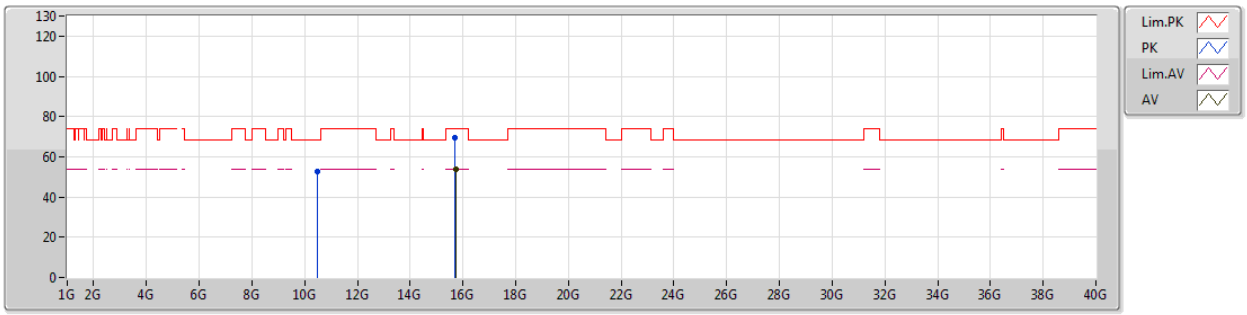
EUT X_4TX
Setting 90
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40014G	53.56	68.20	-14.64	10.91	3	Horizontal	285	1.42	-
PK	15.5979G	67.73	74.00	-6.27	14.39	3	Horizontal	18	2.62	-
AV	15.5977G	53.93	54.00	-0.07	14.39	3	Horizontal	18	2.62	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

15/02/2019



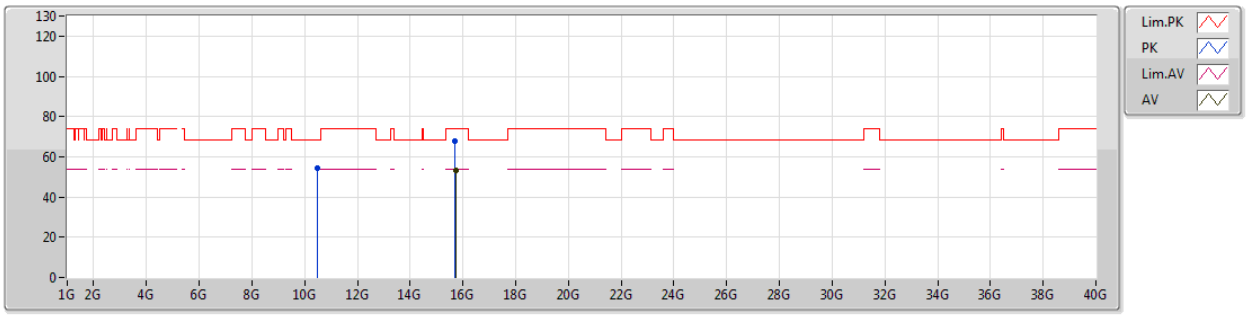
EUT X_4TX
Setting 86
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47848G	52.94	68.20	-15.26	11.01	3	Vertical	172	2.24	-
PK	15.7111G	69.31	74.00	-4.69	14.25	3	Vertical	22	1.50	-
AV	15.7214G	53.74	54.00	-0.26	14.24	3	Vertical	22	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

15/02/2019



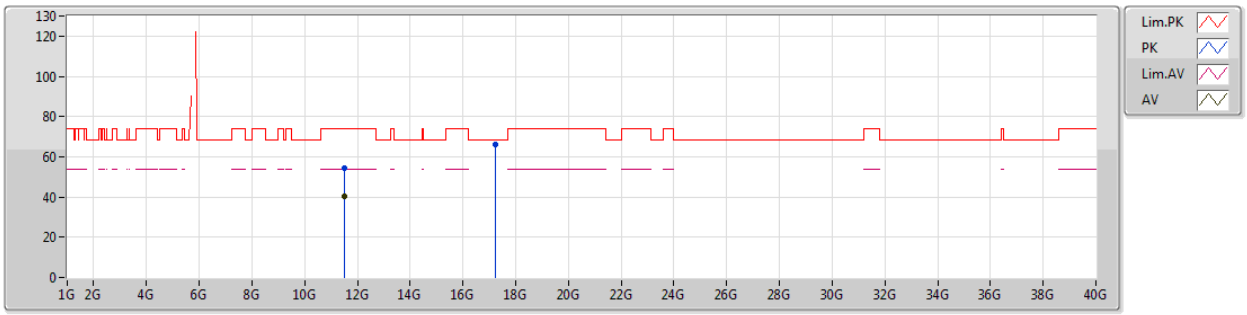
EUT X_4TX
Setting 86
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.48165G	54.16	68.20	-14.04	11.02	3	Horizontal	270	1.10	-
PK	15.711G	68.06	74.00	-5.94	14.25	3	Horizontal	70	2.99	-
AV	15.7212G	53.25	54.00	-0.75	14.24	3	Horizontal	70	2.99	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

15/02/2019



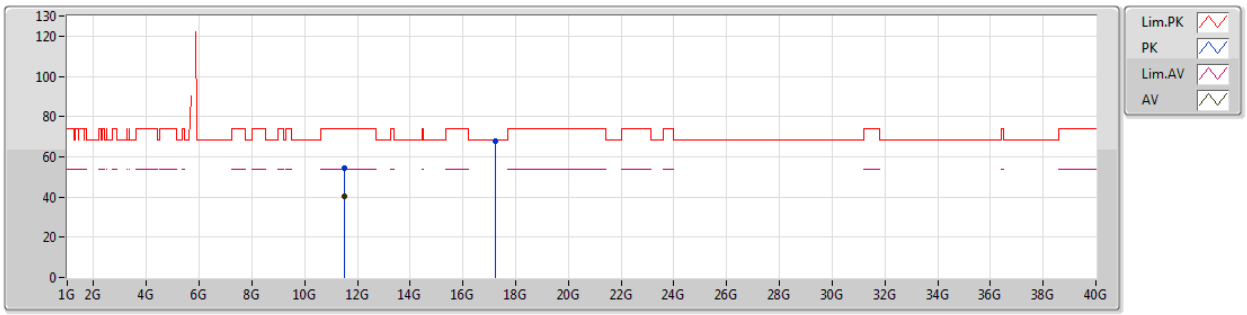
EUT X_4TX
Setting 88
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48874G	54.18	74.00	-19.82	11.93	3	Vertical	264	1.62	-
AV	11.49068G	40.50	54.00	-13.50	11.93	3	Vertical	264	1.62	-
PK	17.226G	66.21	68.20	-1.99	18.03	3	Vertical	50	1.40	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

15/02/2019



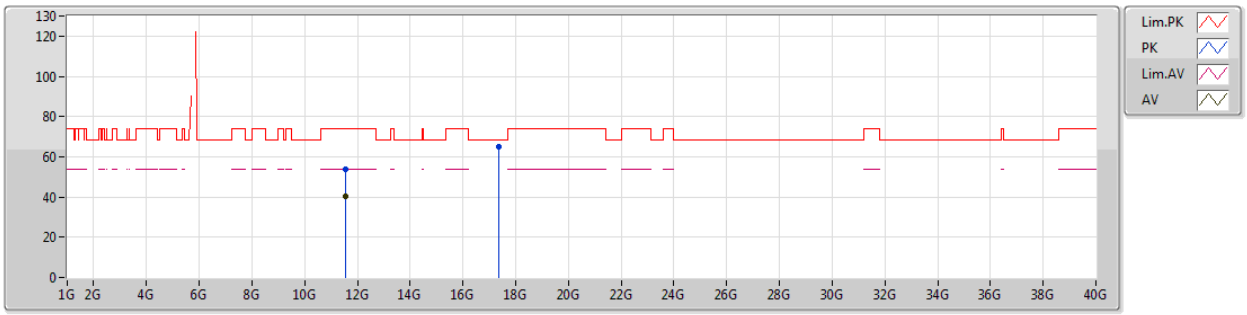
EUT X_4TX
Setting 88
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49195G	54.60	74.00	-19.40	11.93	3	Horizontal	49	1.64	-
AV	11.49139G	40.47	54.00	-13.53	11.93	3	Horizontal	49	1.64	-
PK	17.2347G	67.96	68.20	-0.24	18.05	3	Horizontal	43	2.48	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

15/02/2019



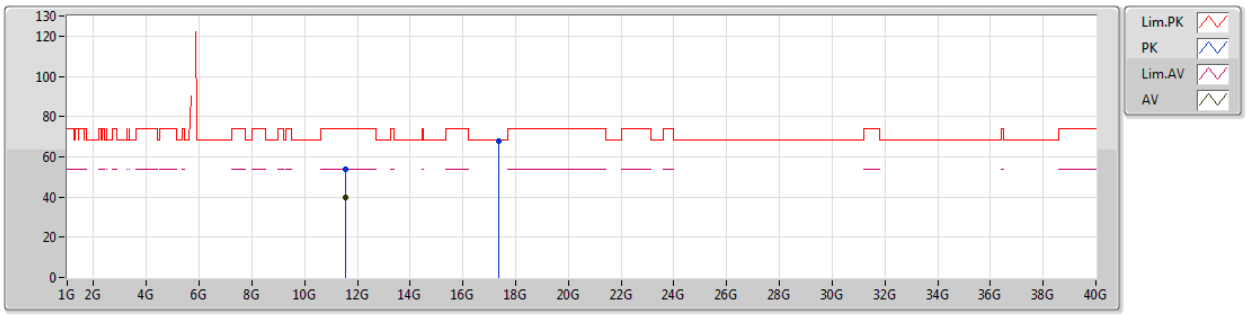
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56761G	53.60	74.00	-20.40	11.95	3	Vertical	50	2.04	-
AV	11.57087G	40.20	54.00	-13.80	11.95	3	Vertical	50	2.04	-
PK	17.3621G	64.85	68.20	-3.35	18.28	3	Vertical	27	1.91	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

15/02/2019



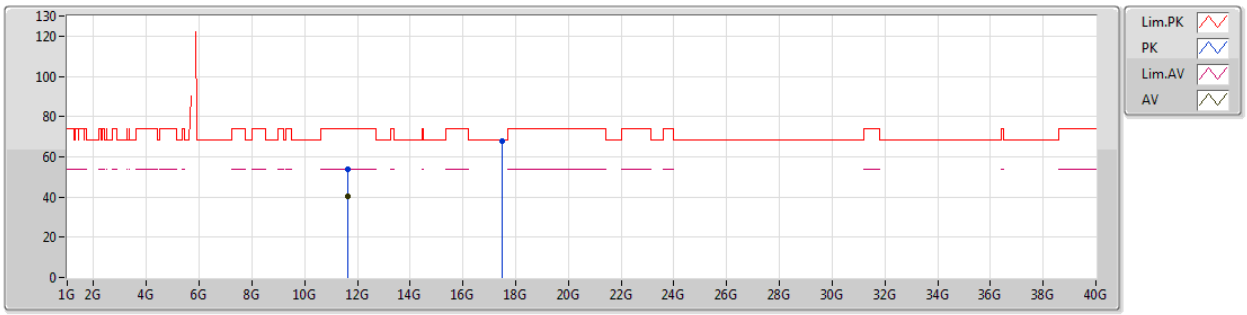
EUT X_4TX
Setting 82
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56751G	53.70	74.00	-20.30	11.95	3	Horizontal	81	1.64	-
AV	11.57115G	40.05	54.00	-13.95	11.95	3	Horizontal	81	1.64	-
PK	17.3583G	68.07	68.20	-0.13	18.27	3	Horizontal	330	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

15/02/2019



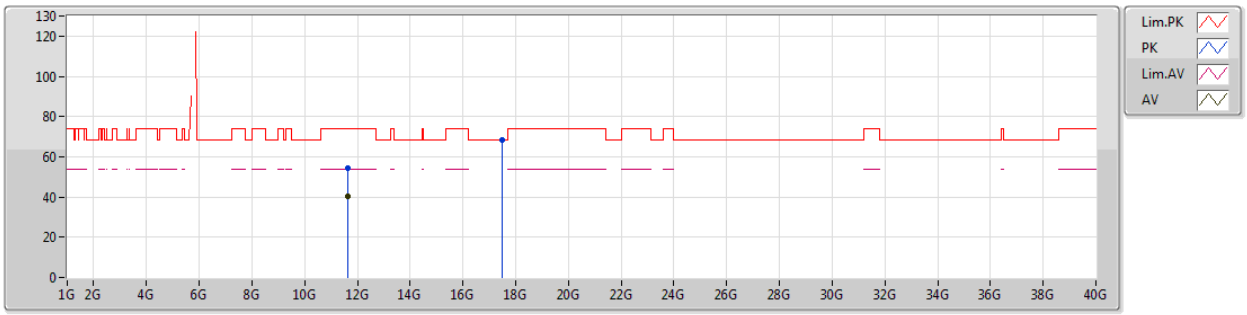
EUT X_4TX
Setting 83
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.6495G	53.88	74.00	-20.12	11.99	3	Vertical	20	1.64	-
AV	11.64799G	40.61	54.00	-13.39	11.99	3	Vertical	20	1.64	-
PK	17.4746G	67.58	68.20	-0.62	18.48	3	Vertical	13	2.08	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

15/02/2019



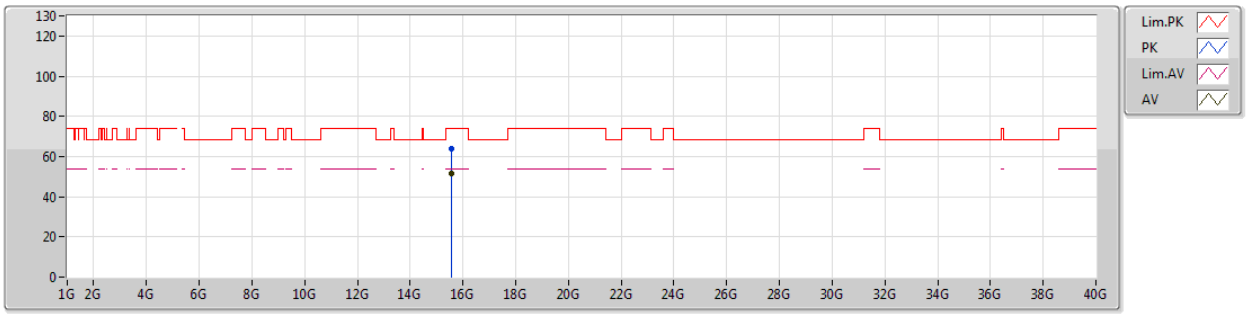
EUT X_4TX
Setting 83
01-M-1
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64995G	54.38	74.00	-19.62	11.99	3	Horizontal	127	1.69	-
AV	11.65111G	40.47	54.00	-13.53	11.99	3	Horizontal	127	1.69	-
PK	17.4787G	68.14	68.20	-0.06	18.48	3	Horizontal	313	1.78	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

15/02/2019



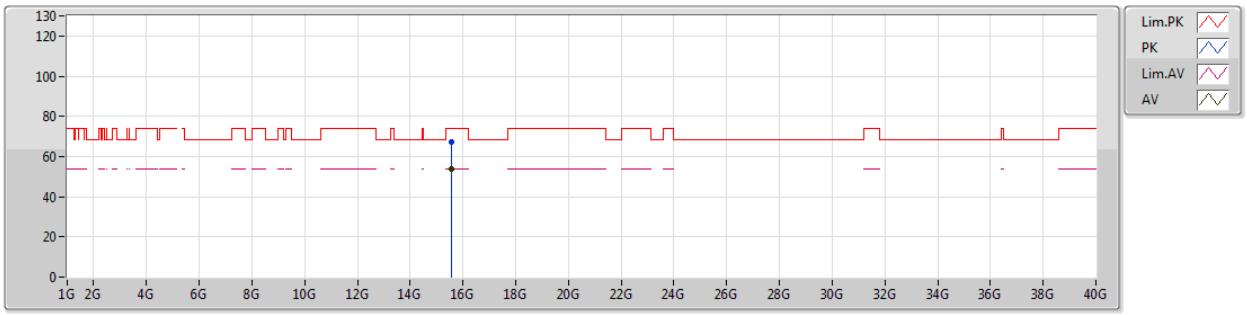
EUT X_4TX
Setting 88
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5524G	63.86	74.00	-10.14	14.44	3	Vertical	40	1.32	-
AV	15.5577G	51.54	54.00	-2.46	14.44	3	Vertical	40	1.32	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

15/02/2019



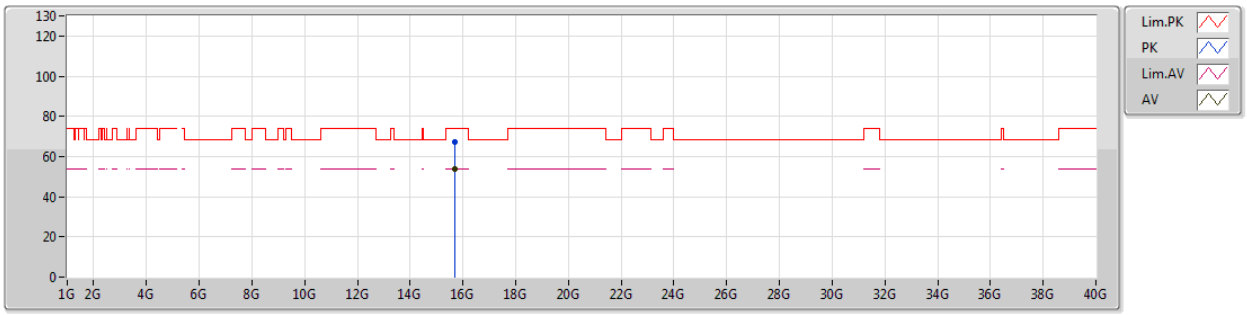
EUT X_4TX
Setting 88
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5675G	67.01	74.00	-6.99	14.42	3	Horizontal	82	1.49	-
AV	15.5627G	53.98	54.00	-0.02	14.43	3	Horizontal	82	1.49	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

15/02/2019



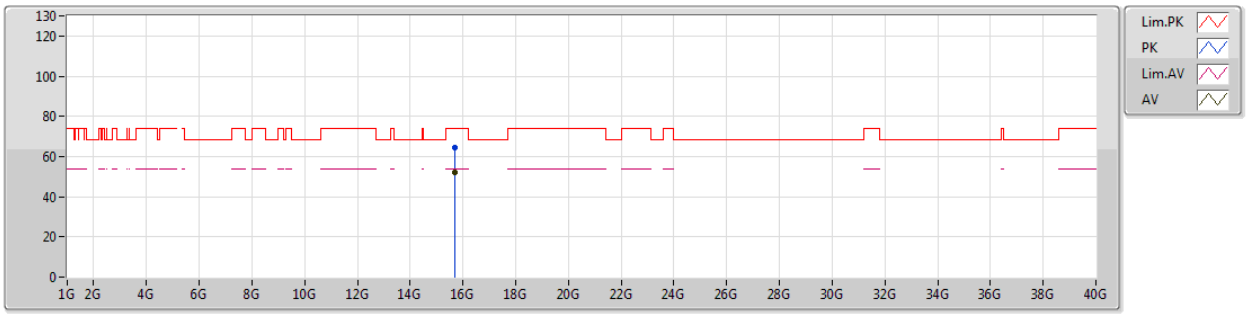
EUT X_4TX
Setting 89
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7054G	66.97	74.00	-7.03	14.26	3	Vertical	26	1.43	-
AV	15.6963G	53.94	54.00	-0.06	14.27	3	Vertical	26	1.43	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

15/02/2019



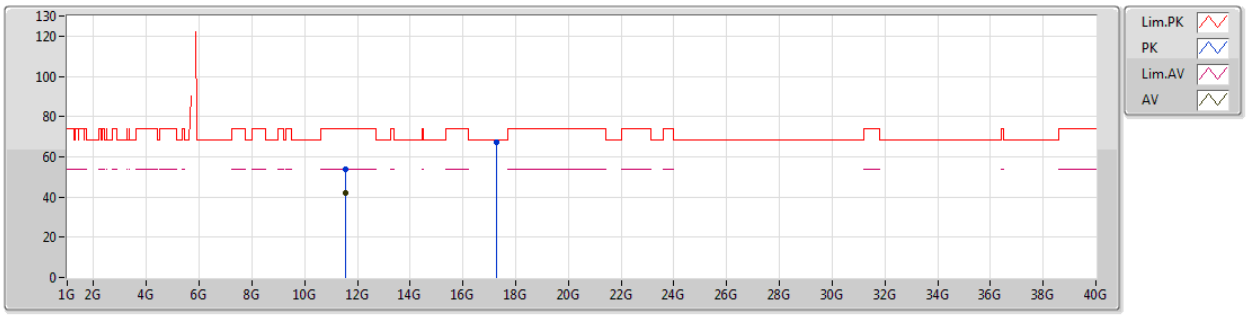
EUT X_4TX
Setting 89
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6782G	64.53	74.00	-9.47	14.29	3	Horizontal	36	1.39	-
AV	15.6829G	51.86	54.00	-2.14	14.28	3	Horizontal	36	1.39	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

15/02/2019



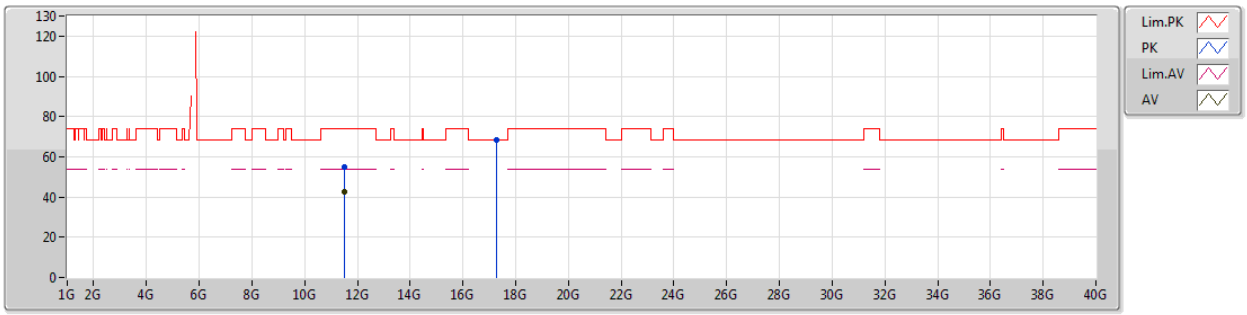
EUT X_4TX
Setting 92
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.53232G	53.95	74.00	-20.05	11.95	3	Vertical	263	1.25	-
AV	11.53108G	41.88	54.00	-12.12	11.95	3	Vertical	263	1.25	-
PK	17.27172G	67.09	68.20	-1.11	18.11	3	Vertical	341	2.59	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

15/02/2019



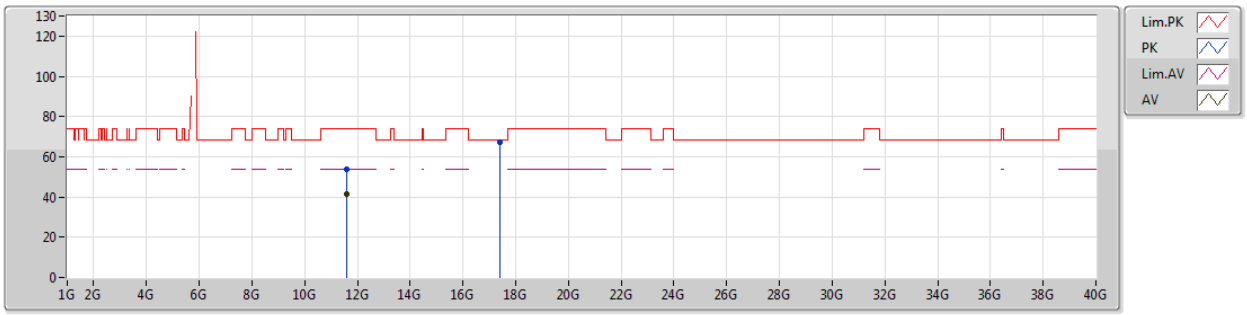
EUT X_4TX
Setting 92
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5064G	54.98	74.00	-19.02	11.93	3	Horizontal	299	1.51	-
AV	11.51648G	42.46	54.00	-11.54	11.93	3	Horizontal	299	1.51	-
PK	17.27136G	68.16	68.20	-0.04	18.11	3	Horizontal	315	1.57	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

15/02/2019



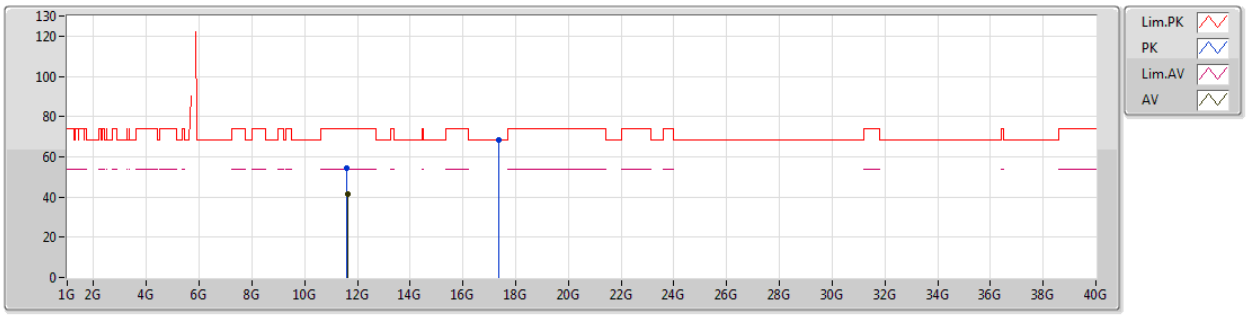
EUT X_4TX
Setting 93
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59672G	53.89	74.00	-20.11	11.97	3	Vertical	121	2.47	-
AV	11.6116G	41.60	54.00	-12.40	11.98	3	Vertical	121	2.47	-
PK	17.38416G	67.12	68.20	-1.08	18.31	3	Vertical	346	1.98	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

15/02/2019



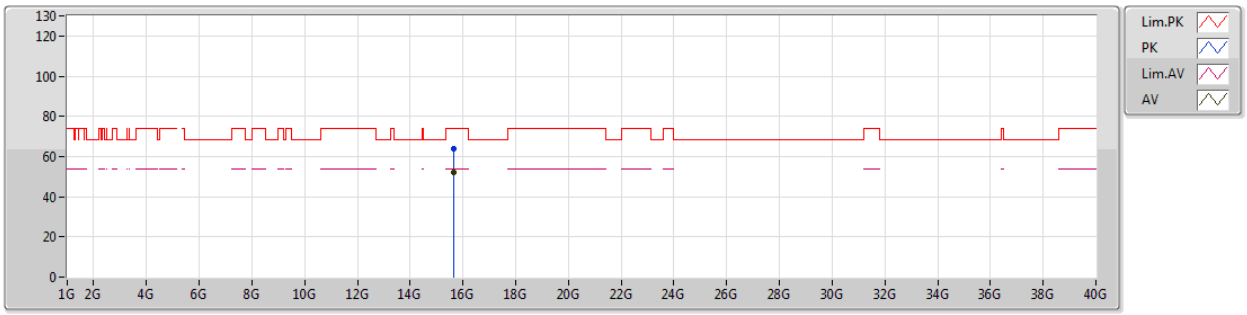
EUT X_4TX
Setting 93
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.60128G	54.28	74.00	-19.72	11.97	3	Horizontal	189	2.03	-
AV	11.61856G	41.51	54.00	-12.49	11.98	3	Horizontal	189	2.03	-
PK	17.37936G	68.13	68.20	-0.07	18.30	3	Horizontal	27	1.50	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

15/02/2019



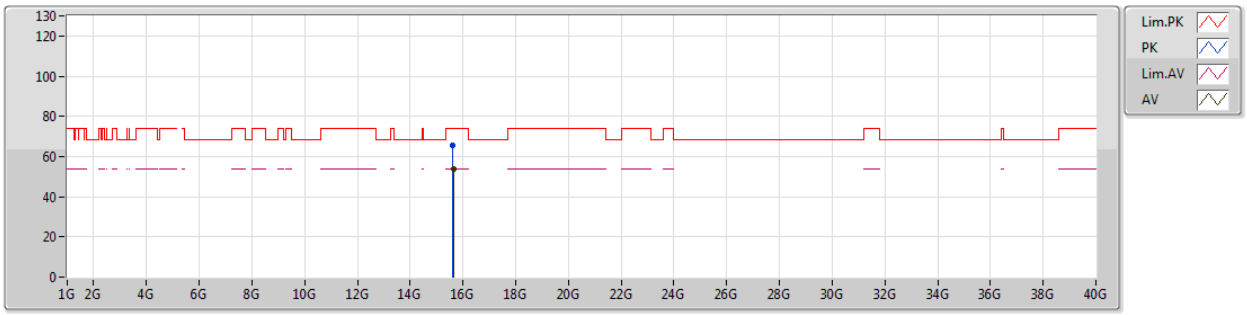
EUT X_4TX
Setting 97
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6312G	63.83	74.00	-10.17	14.34	3	Vertical	11	1.43	-
AV	15.6366G	52.00	54.00	-2.00	14.34	3	Vertical	11	1.43	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

15/02/2019



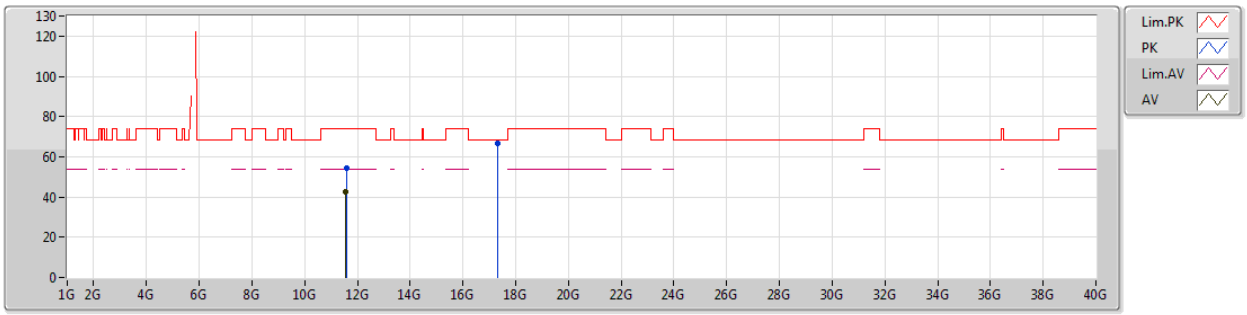
EUT X_4TX
Setting 97
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.61428G	65.71	74.00	-8.29	14.37	3	Horizontal	36	1.36	-
AV	15.64308G	53.84	54.00	-0.16	14.33	3	Horizontal	36	1.36	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

15/02/2019



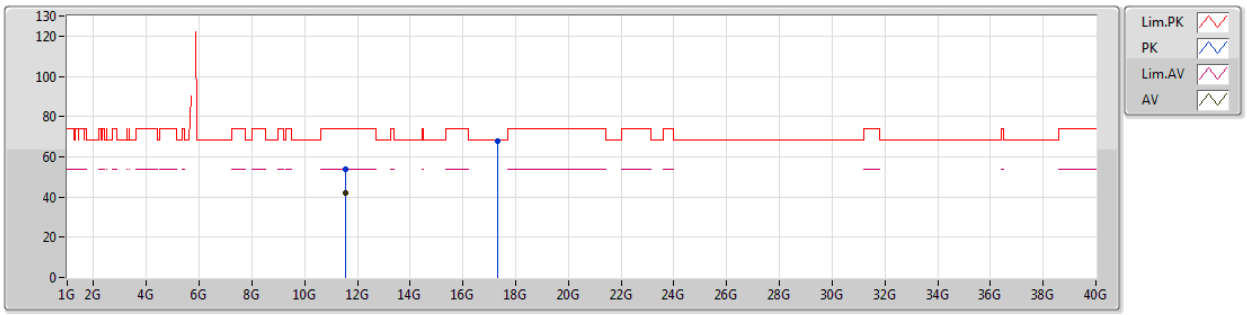
EUT X_4TX
Setting 110
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5788G	54.57	74.00	-19.43	11.97	3	Vertical	181	1.76	-
AV	11.54256G	42.72	54.00	-11.28	11.95	3	Vertical	181	1.76	-
PK	17.33748G	66.74	68.20	-1.46	18.23	3	Vertical	48	1.04	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

15/02/2019



EUT X_4TX
Setting 110
01-J-5
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.53528G	54.03	74.00	-19.97	11.94	3	Horizontal	309	1.32	-
AV	11.5368G	41.80	54.00	-12.20	11.95	3	Horizontal	309	1.32	-
PK	17.33784G	67.66	68.20	-0.54	18.23	3	Horizontal	27	1.47	-

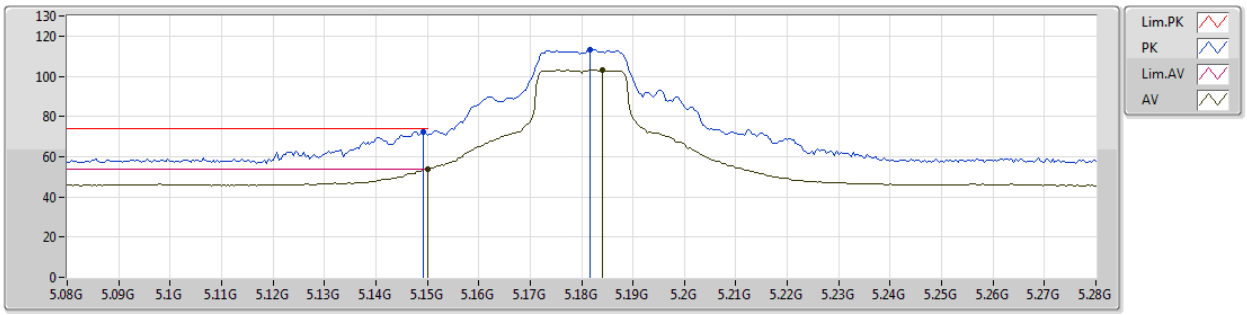
For Non-beamforming / 1T1S mode
Summary

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 HEW80_Nss1,(MCS0)_1TX	Pass	AV	5.147G	53.98	54.00	-0.02	4.25	3	Vertical	168	2.14	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

16/02/2019



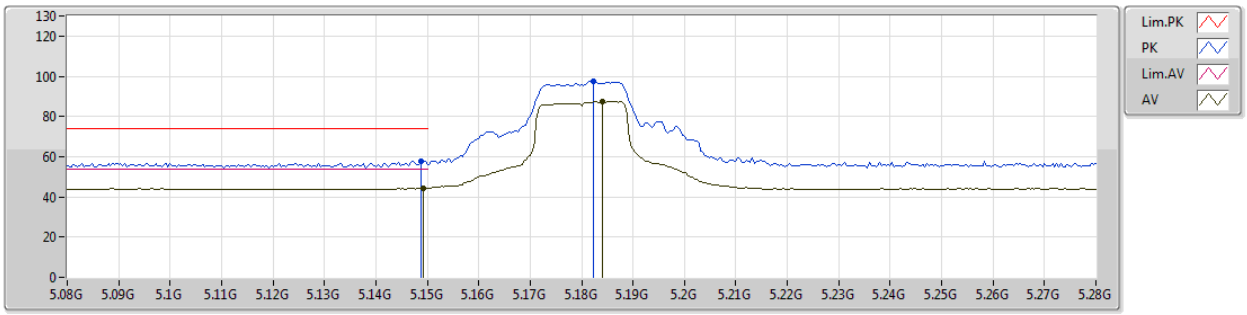
EUT X_1TX
Setting 75
01-J-5-10
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1492G	72.32	74.00	-1.68	4.25	3	Vertical	198	2.15	-
AV	5.15G	53.92	54.00	-0.08	4.25	3	Vertical	198	2.15	-
PK	5.1816G	113.08	Inf	-Inf	4.26	3	Vertical	198	2.15	-
AV	5.184G	103.11	Inf	-Inf	4.26	3	Vertical	198	2.15	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

16/02/2019



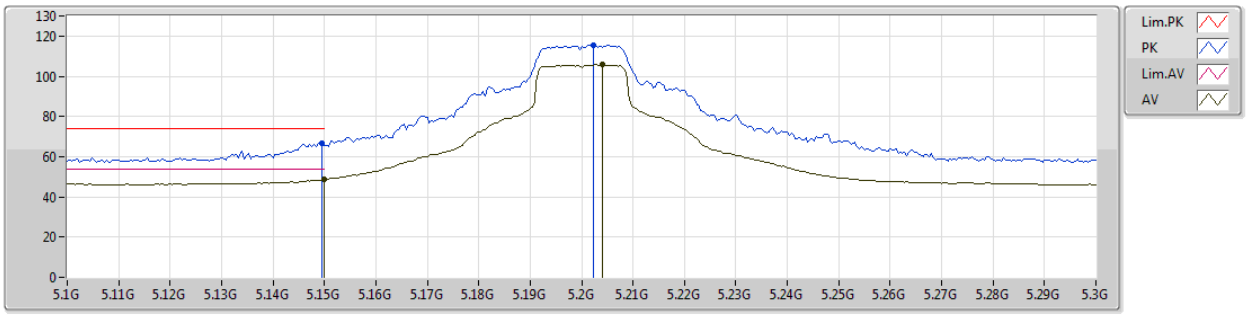
EUT X_1TX
Setting 75
01-J-5-10
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1488G	57.59	74.00	-16.41	4.25	3	Horizontal	54	1.78	-
AV	5.1492G	44.36	54.00	-9.64	4.25	3	Horizontal	54	1.78	-
PK	5.1824G	97.46	Inf	-Inf	4.26	3	Horizontal	54	1.78	-
AV	5.184G	87.55	Inf	-Inf	4.26	3	Horizontal	54	1.78	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

16/02/2019



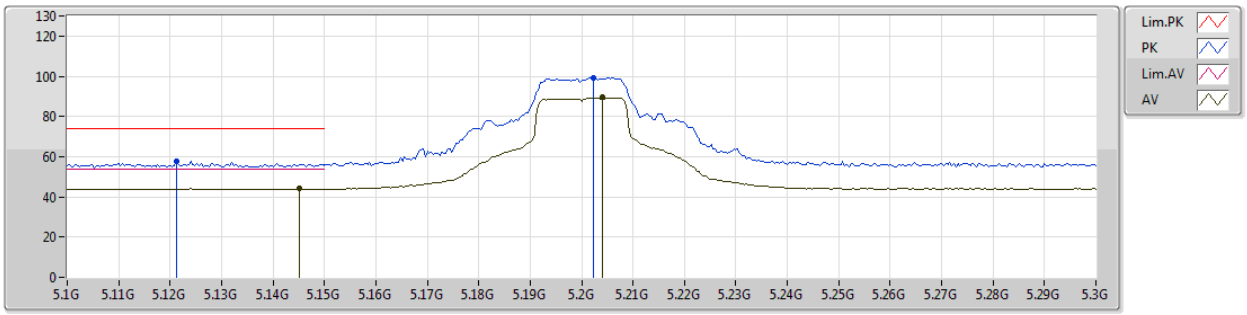
EUT X_1TX
Setting 85
01-J-5-10
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	66.67	74.00	-7.33	4.25	3	Vertical	172	2.26	-
AV	5.15G	48.64	54.00	-5.36	4.25	3	Vertical	172	2.26	-
PK	5.2024G	115.70	Inf	-Inf	4.28	3	Vertical	172	2.26	-
AV	5.204G	105.67	Inf	-Inf	4.28	3	Vertical	172	2.26	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

16/02/2019



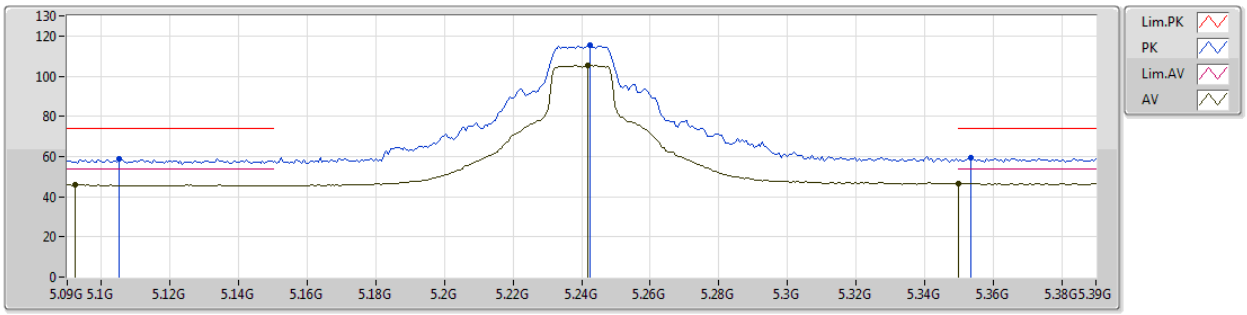
EUT X_1TX
Setting 85
01-J-5-10
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1212G	57.64	74.00	-16.36	4.23	3	Horizontal	54	1.89	-
AV	5.1452G	44.12	54.00	-9.88	4.25	3	Horizontal	54	1.89	-
PK	5.2024G	99.32	Inf	-Inf	4.28	3	Horizontal	54	1.89	-
AV	5.204G	89.38	Inf	-Inf	4.28	3	Horizontal	54	1.89	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

16/02/2019



EUT X_1TX
Setting 82
01-J-5-10
FSU
ANT6

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.105G	59.10	74.00	-14.90	4.23	3	Vertical	167	2.13	-
AV	5.0924G	45.85	54.00	-8.15	4.23	3	Vertical	167	2.13	-
PK	5.2424G	115.39	Inf	-Inf	4.43	3	Vertical	167	2.13	-
AV	5.2418G	105.24	Inf	-Inf	4.43	3	Vertical	167	2.13	-
PK	5.3534G	59.39	74.00	-14.61	4.82	3	Vertical	167	2.13	-
AV	5.35G	46.60	54.00	-7.40	4.81	3	Vertical	167	2.13	-