



Average Power_Non-Beamforming_Sample 2_Radio 3_Panel 1_2T2S Appendix B.18

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz	Pass	10.70	13.92	13.83	16.89	19.28	27.59	30.00
5550MHz	Pass	10.70	15.61	15.56	18.60	19.28	29.30	30.00
5670MHz	Pass	10.70	14.89	14.62	17.77	19.28	28.47	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	16.01	15.49	18.77	19.28	29.47	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	5.95	5.42	8.70	25.30	19.40	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.70	11.80	12.18	15.00	19.28	25.70	30.00
5530MHz	Pass	10.70	12.26	12.21	15.25	19.28	25.95	30.00
5610MHz	Pass	10.70	15.82	15.56	18.70	19.28	29.40	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	15.78	15.67	18.74	19.28	29.44	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	2.20	1.89	5.06	25.30	15.76	36.00

DG = Directional Gain; **Port X** = Port X output power

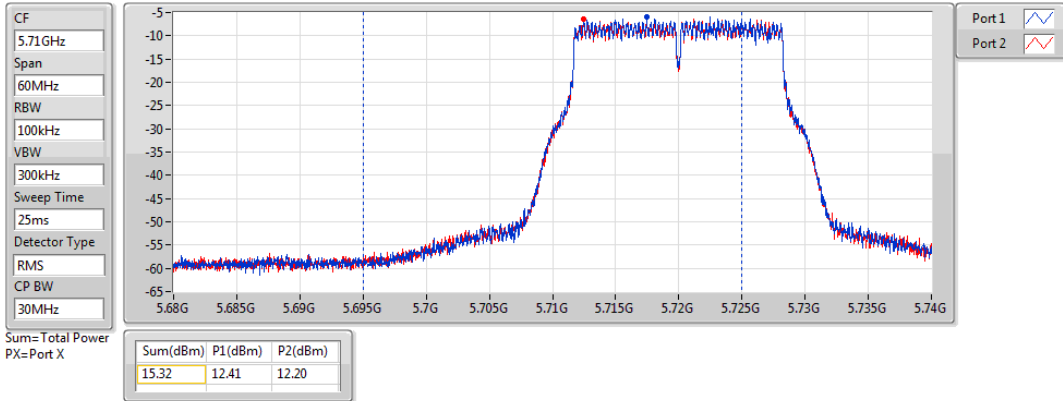


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

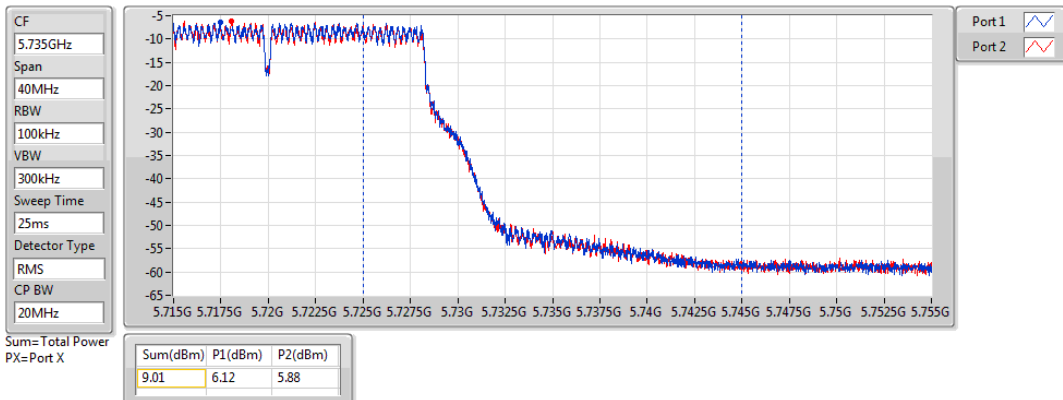


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

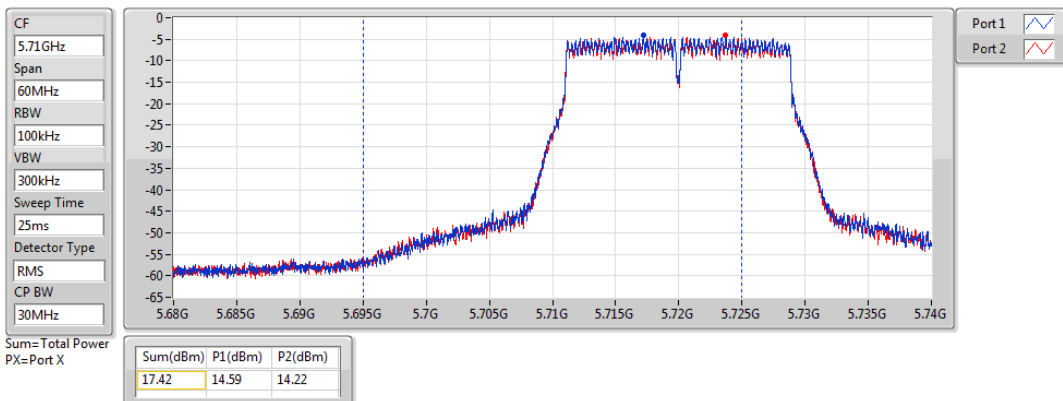


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

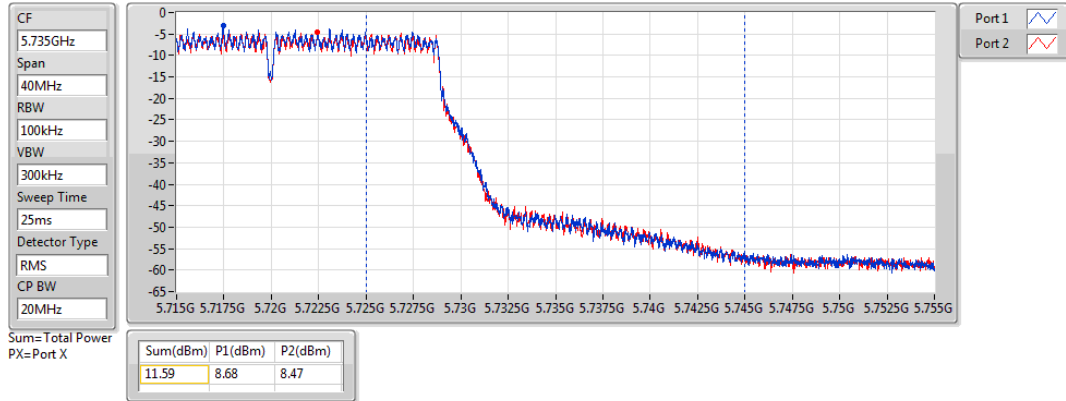


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

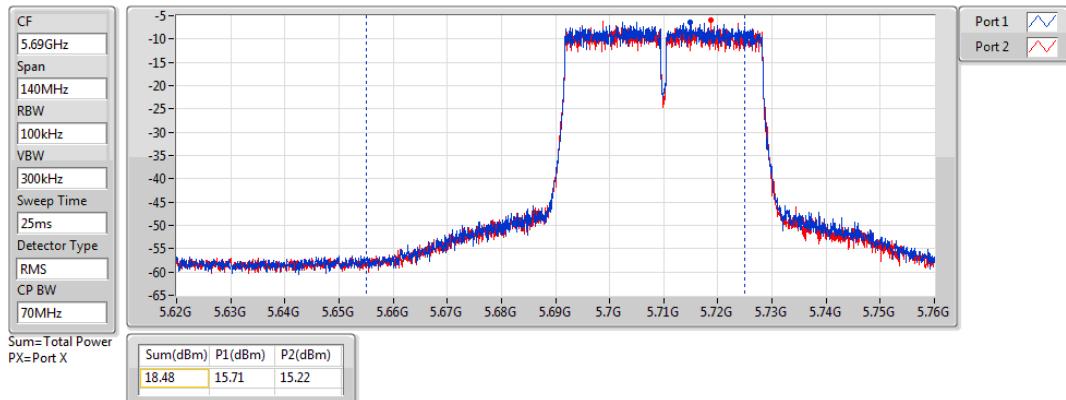


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

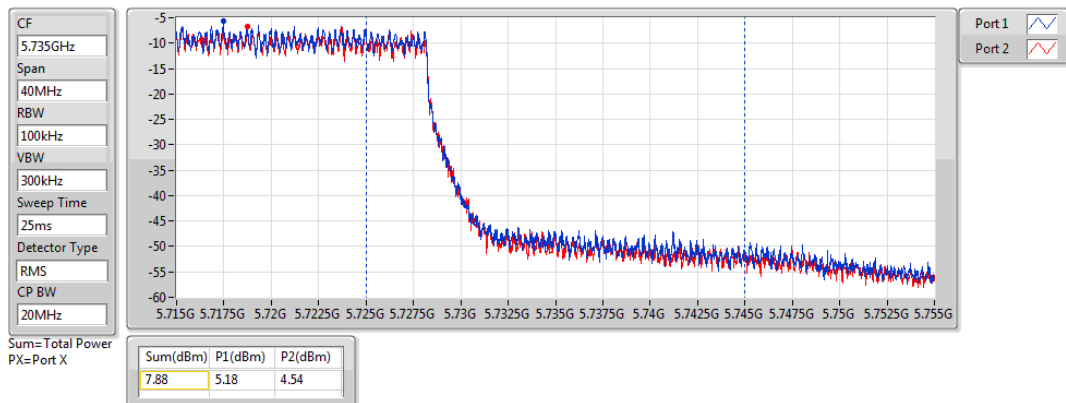


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019



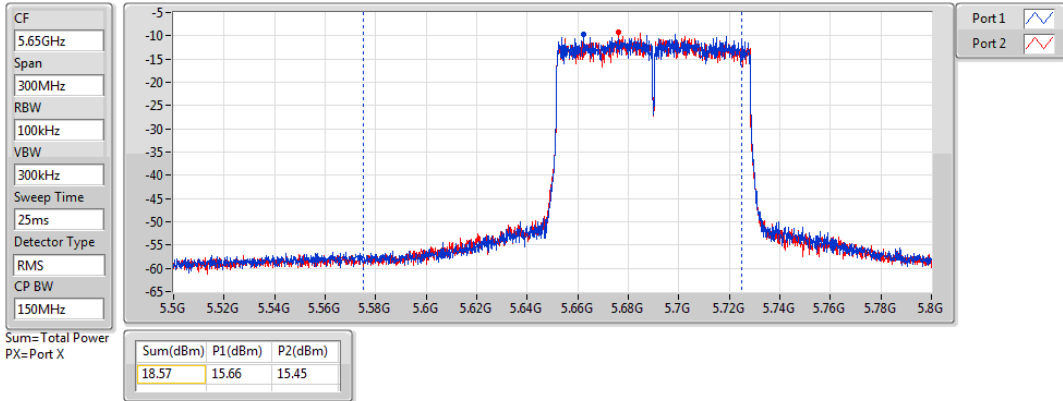


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

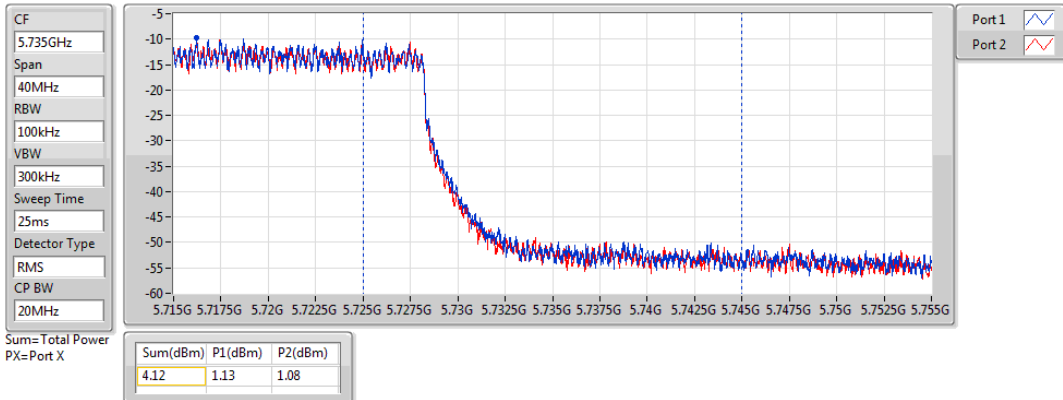


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019

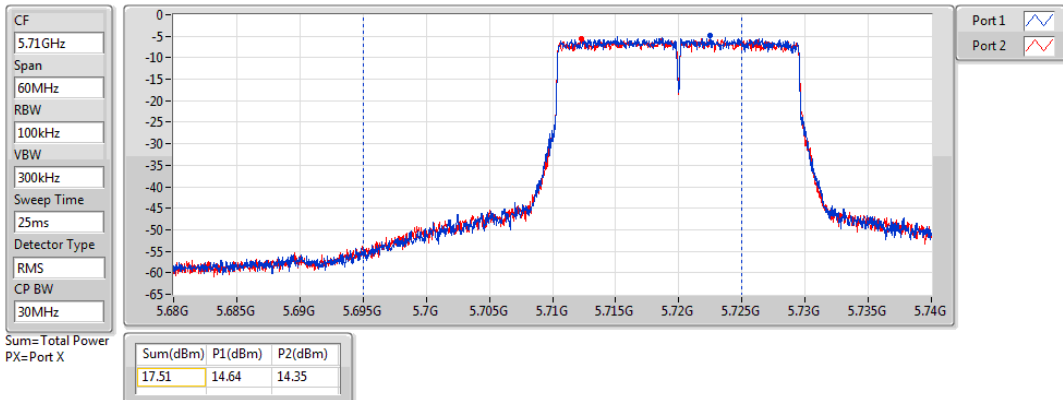


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

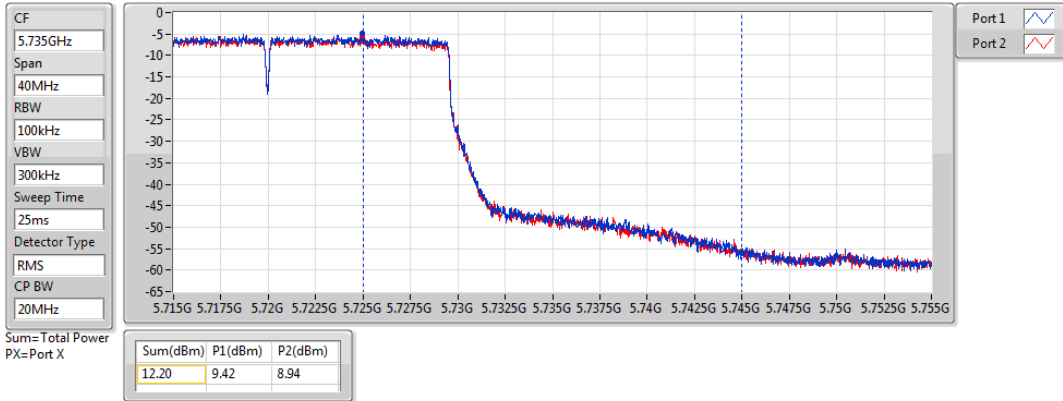


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

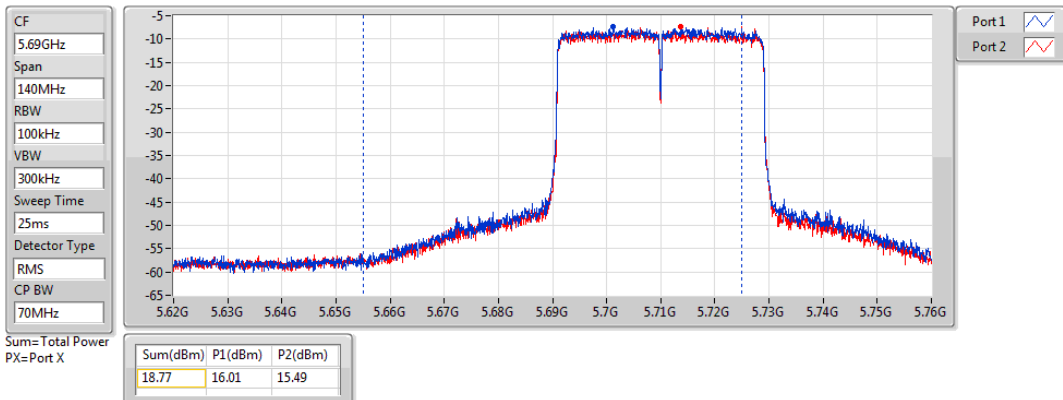


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

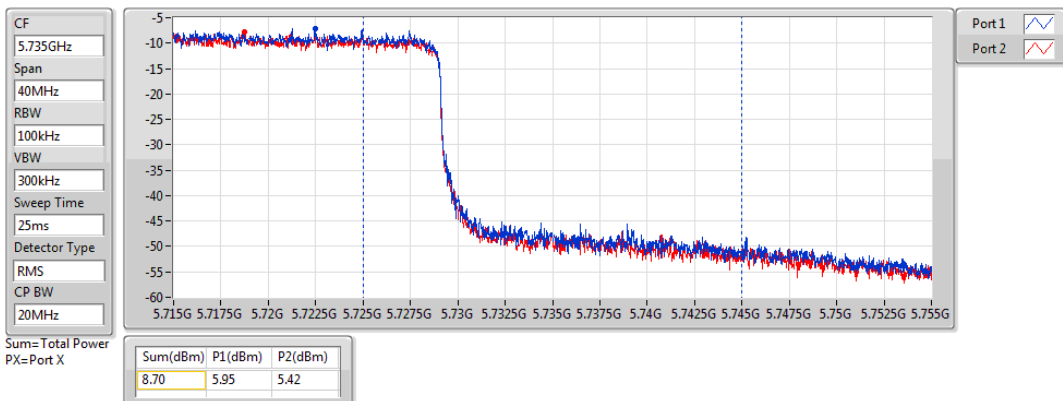


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019

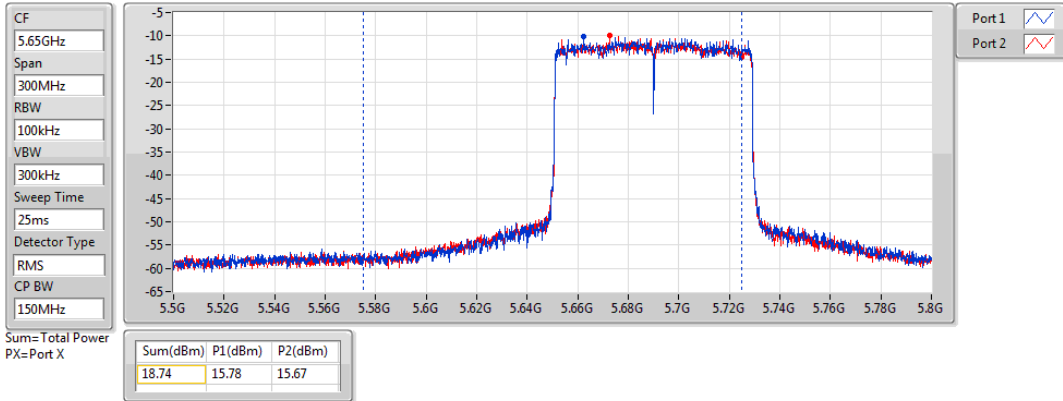


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

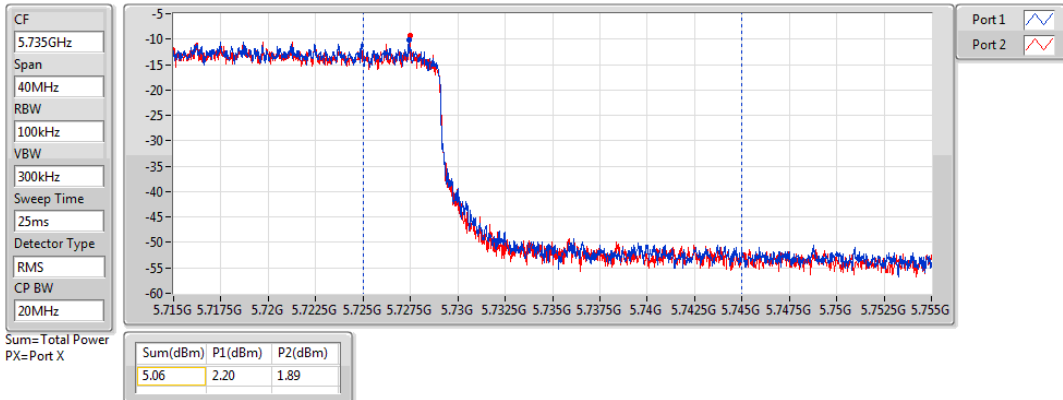


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	15.08	0.03221	26.68	0.46559
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	15.31	0.03396	26.91	0.49091
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.71	0.05902	29.31	0.85310
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	17.77	0.05984	29.37	0.86497
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	17.66	0.05834	29.26	0.84333
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	15.49	0.03540	27.09	0.51168
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.77	0.05984	29.37	0.86497
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.86	0.06109	29.46	0.88308
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.77	0.05984	29.37	0.86497
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	15.60	0.03631	27.20	0.52481
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.79	0.06012	29.39	0.86896
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	17.74	0.05943	29.34	0.85901
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	17.70	0.05888	29.30	0.85114
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	17.04	0.05058	28.64	0.73114
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.81	0.06039	29.41	0.87297
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.84	0.06081	29.44	0.87902
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.73	0.05929	29.33	0.85704
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.64	0.05808	29.24	0.83946
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	10.88	0.01225	22.48	0.17701
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	7.09	0.00512	18.69	0.07396
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.02	0.00200	14.62	0.02897
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	11.11	0.01291	22.71	0.18664
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.71	0.00590	19.31	0.08531
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.96	0.00249	15.56	0.03597

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.60	10.99	12.37	11.3	11.27	17.54	18.38	29.14	30.00
5300MHz	Pass	11.60	11.3	12.12	11.87	11.41	17.71	18.38	29.31	30.00
5320MHz	Pass	11.60	10.98	12.04	11.63	11.59	17.60	18.38	29.20	30.00
5500MHz	Pass	11.60	11.26	11.87	11.42	11	17.42	18.38	29.02	30.00
5580MHz	Pass	11.60	11.2	11.67	11.67	11.06	17.43	18.38	29.03	30.00
5700MHz	Pass	11.60	11.47	11.45	12.06	12.06	17.79	18.38	29.39	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.60	10.26	10.06	10.62	10.6	16.41	17.37	28.01	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	11.60	4.78	4.73	5.01	4.92	10.88	24.40	22.48	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.60	11.49	12.15	11.53	11.8	17.77	18.38	29.37	30.00
5310MHz	Pass	11.60	11.58	12.06	11.69	11.63	17.76	18.38	29.36	30.00
5510MHz	Pass	11.60	11.06	12.06	11.93	11.71	17.73	18.38	29.33	30.00
5550MHz	Pass	11.60	11.55	11.88	11.82	11.61	17.74	18.38	29.34	30.00
5670MHz	Pass	11.60	11.13	11.24	11.82	11.23	17.38	18.38	28.98	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.60	11.44	11.56	11.95	11.54	17.65	18.38	29.25	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.60	1.57	0.47	1.53	0.58	7.09	24.40	18.69	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.60	11.35	11.65	11.97	11.56	17.66	18.38	29.26	30.00
5530MHz	Pass	11.60	11.32	11.72	12.07	11.25	17.62	18.38	29.22	30.00
5610MHz	Pass	11.60	11.14	12.06	11.57	11.59	17.62	18.38	29.22	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.60	11.36	11.81	11.86	11.68	17.70	18.38	29.30	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.60	-2.33	-4.18	-2.55	-3.17	3.02	24.40	14.62	36.00
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	11.60	8.93	9.13	9.31	8.84	15.08	24.40	26.68	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	11.60	9.19	9.66	9.25	9.74	15.49	18.38	27.09	30.00
5570MHz	Pass	11.60	11.08	11.03	11.22	10.74	17.04	18.38	28.64	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	11.60	11.17	12.27	11.99	11.46	17.76	18.38	29.36	30.00
5300MHz	Pass	11.60	11.59	12.14	11.65	11.61	17.77	18.38	29.37	30.00
5320MHz	Pass	11.60	11.05	12.2	11.73	11.46	17.65	18.38	29.25	30.00
5500MHz	Pass	11.60	11.17	12.03	11.99	11.56	17.72	18.38	29.32	30.00
5580MHz	Pass	11.60	11.61	11.98	11.69	11.41	17.70	18.38	29.30	30.00
5700MHz	Pass	11.60	11.78	11.49	11.7	12.16	17.81	18.38	29.41	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.60	10.29	10.31	10.49	10.63	16.45	17.36	28.05	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	11.60	5.19	4.71	5.28	5.16	11.11	24.40	22.71	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	11.60	11.64	12.07	11.88	11.53	17.81	18.38	29.41	30.00
5310MHz	Pass	11.60	11.58	12.06	11.89	11.83	17.86	18.38	29.46	30.00
5510MHz	Pass	11.60	11.69	11.73	12.18	11.5	17.80	18.38	29.40	30.00
5550MHz	Pass	11.60	11.59	11.93	12.12	11.32	17.77	18.38	29.37	30.00
5670MHz	Pass	11.60	11.33	11.59	12.16	11.43	17.66	18.38	29.26	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.60	11.78	11.73	12.07	11.69	17.84	18.38	29.44	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.60	2.26	0.9	2.14	1.31	7.71	24.40	19.31	36.00



Average Power_Beamforming_Sample 1_Radio 2_4T1S

Appendix B.19

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	11.60	11.52	11.47	12.35	11.59	17.77	18.38	29.37	30.00
5530MHz	Pass	11.60	11.52	11.67	11.96	11.4	17.66	18.38	29.26	30.00
5610MHz	Pass	11.60	11.14	11.92	12	11.55	17.69	18.38	29.29	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.60	11.62	11.77	12.13	11.26	17.73	18.38	29.33	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.60	-1.44	-3.3	-1.38	-2.41	3.96	24.40	15.56	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	11.60	9.43	8.9	9.93	8.78	15.31	24.40	26.91	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	11.60	9.16	10.08	9.45	9.59	15.60	18.38	27.20	30.00
5570MHz	Pass	11.60	11.71	11.56	12.28	10.78	17.64	18.38	29.24	30.00

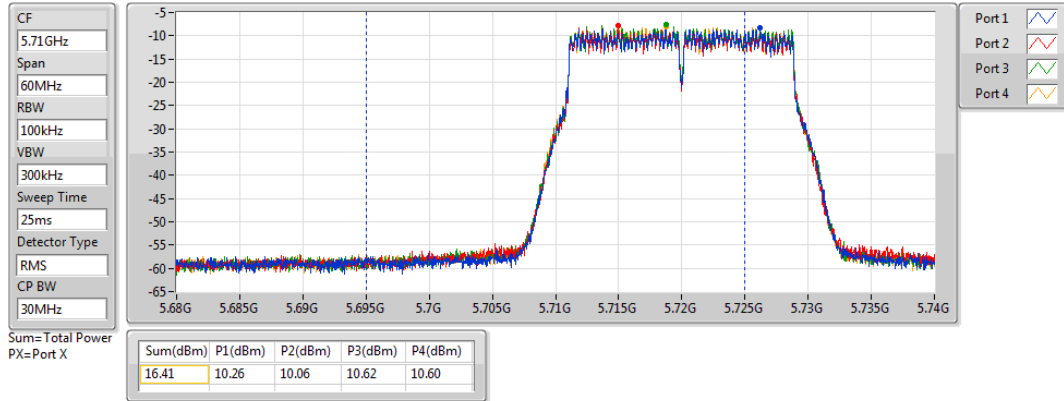
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

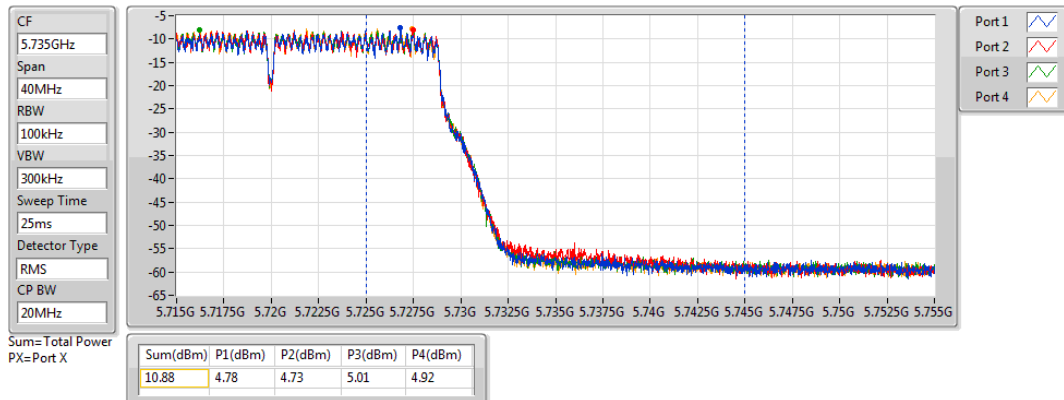


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

03/12/2019

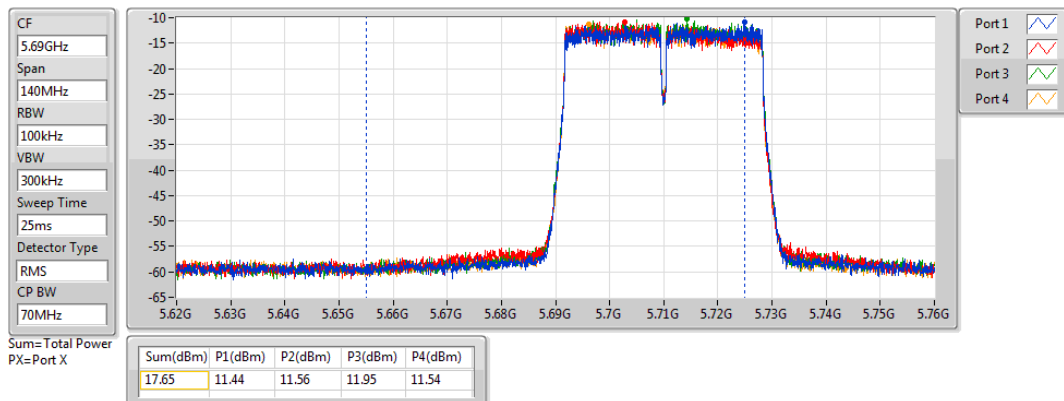


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019

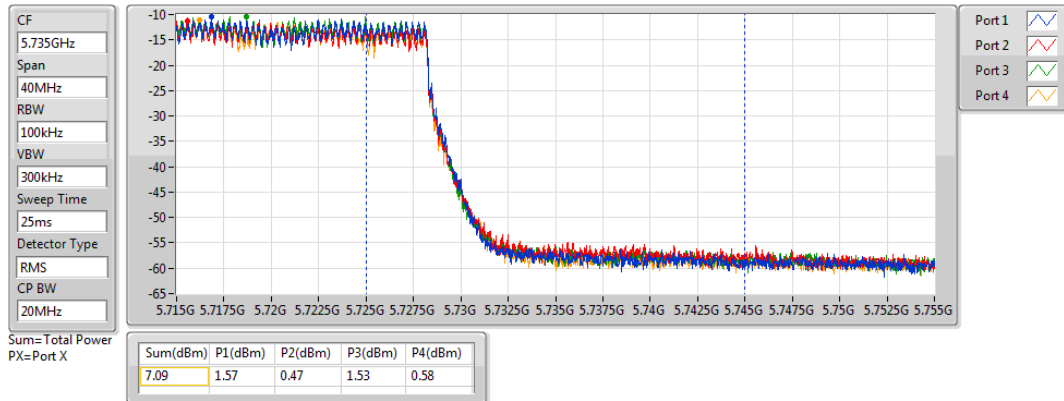


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

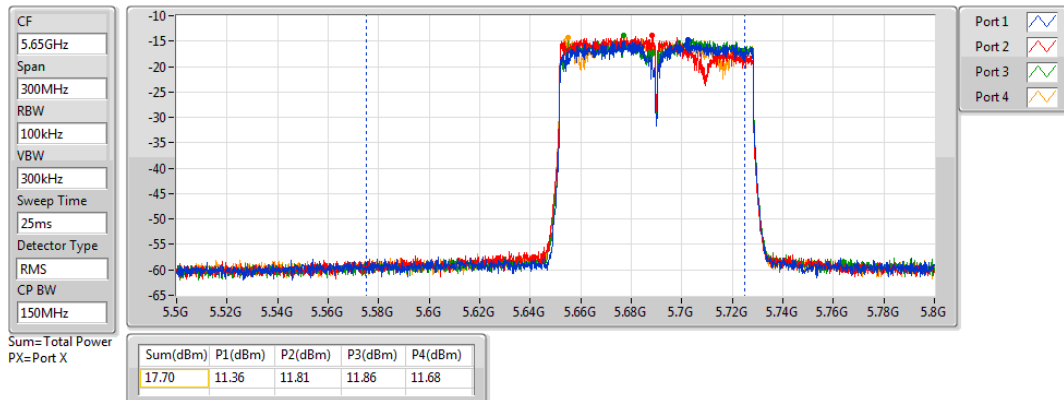


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

03/12/2019

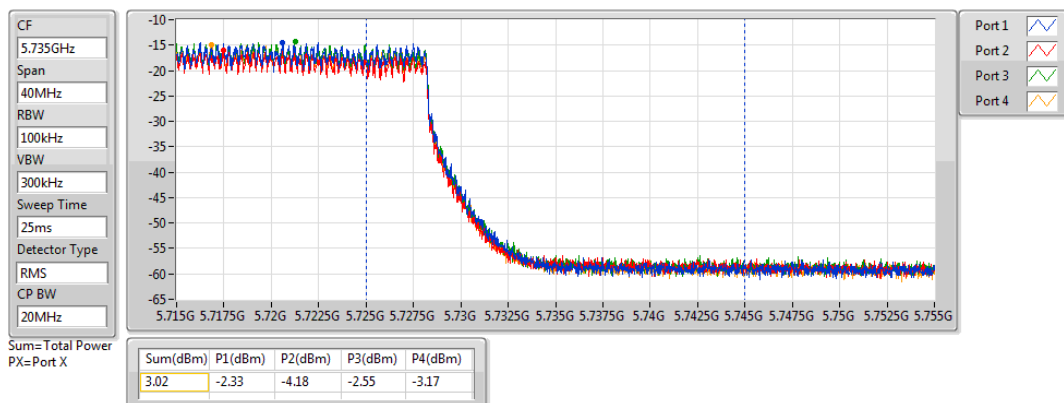


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

03/12/2019

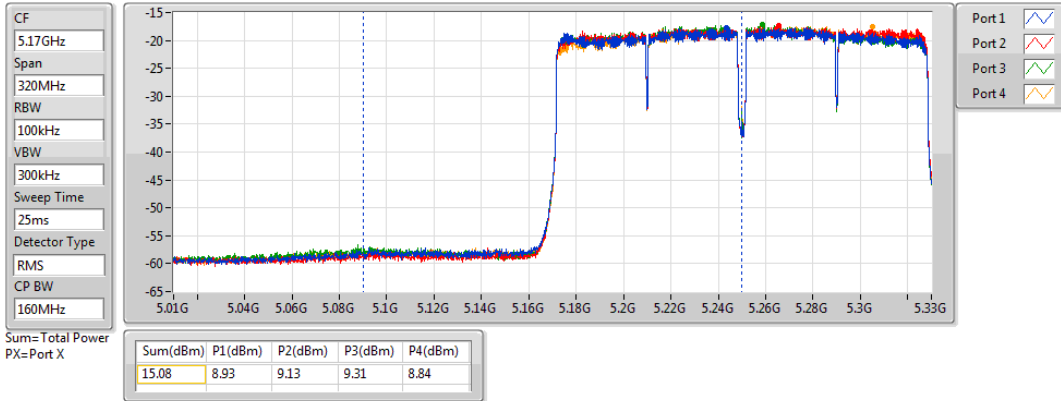


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

02/12/2019

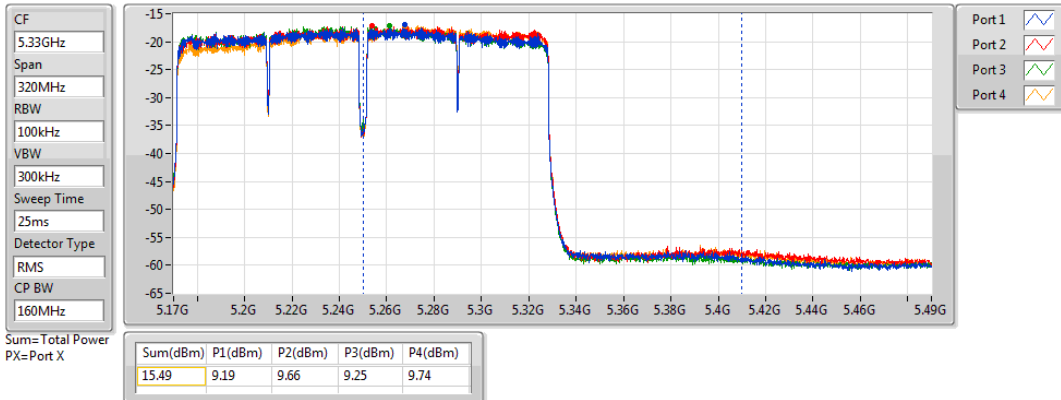


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

02/12/2019

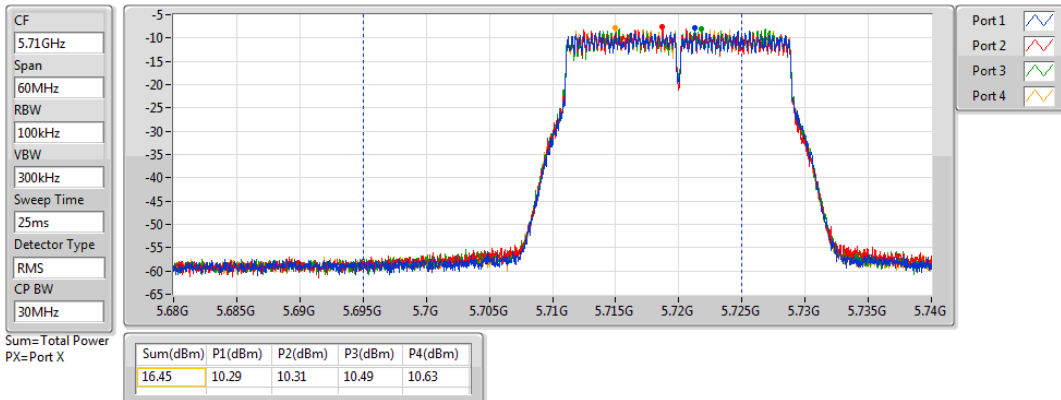


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

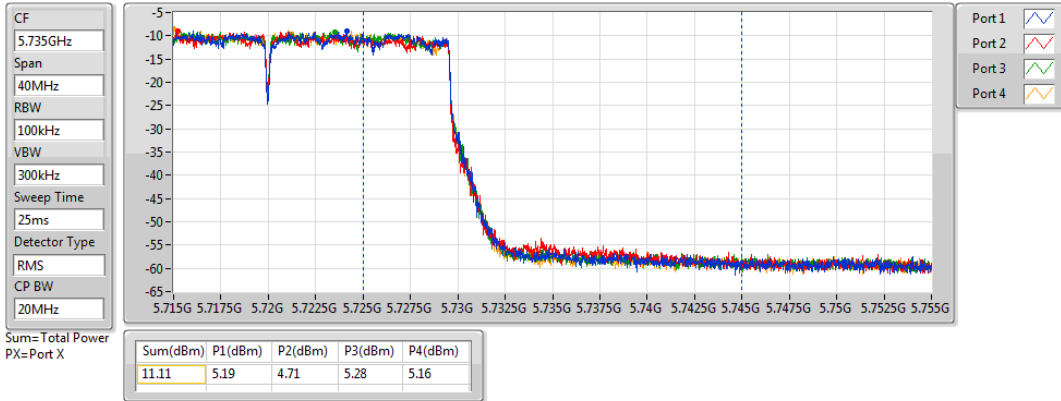


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

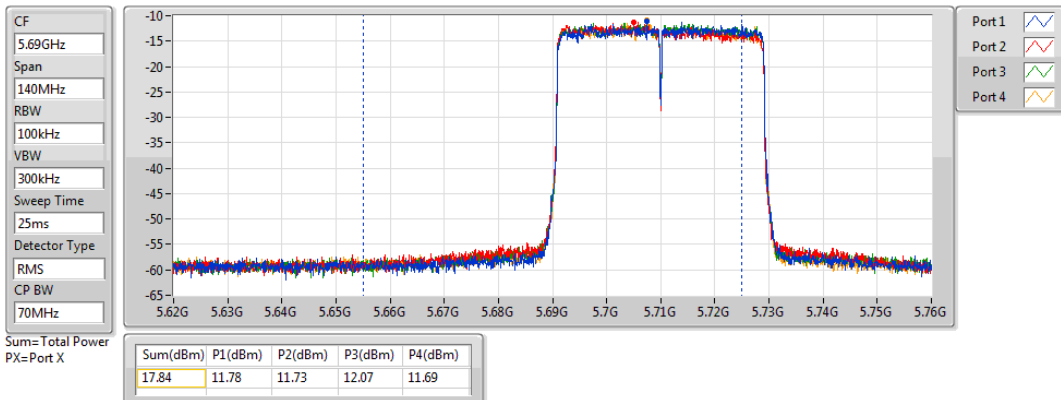


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

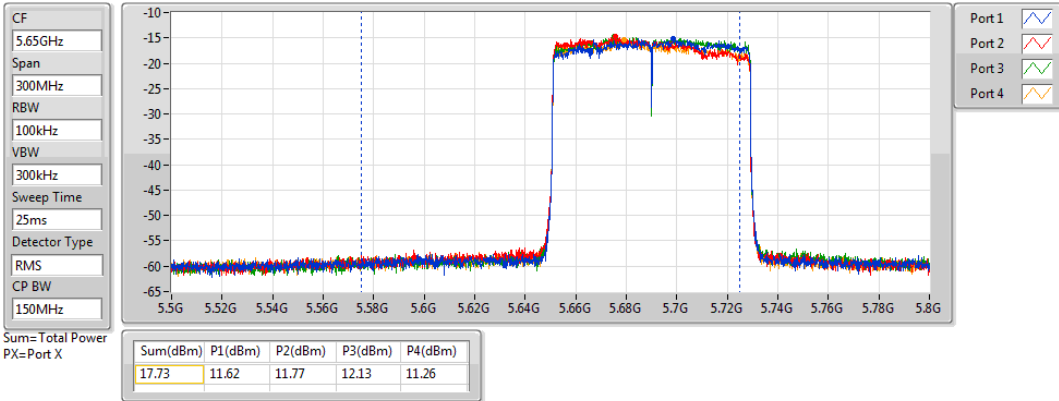


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

03/12/2019

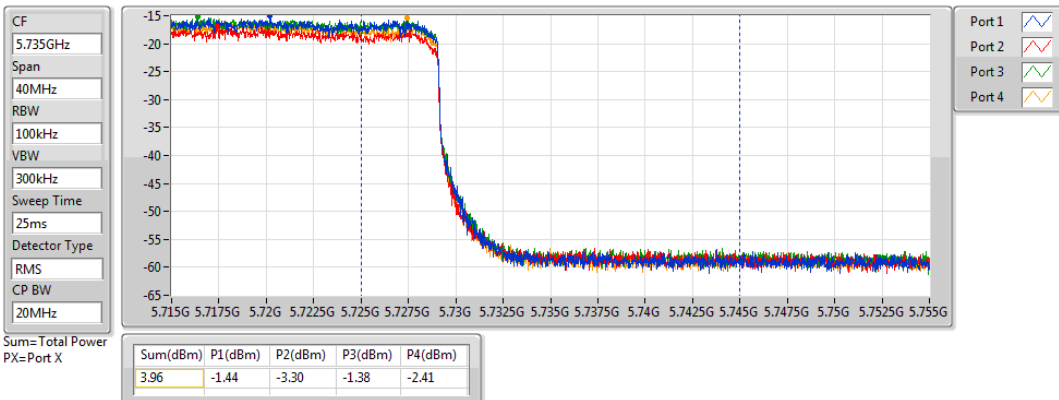


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

03/12/2019

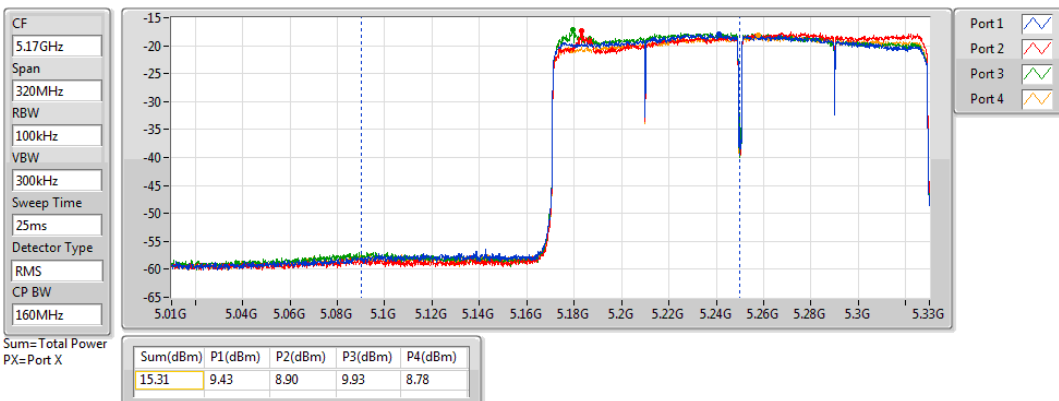


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

02/12/2019

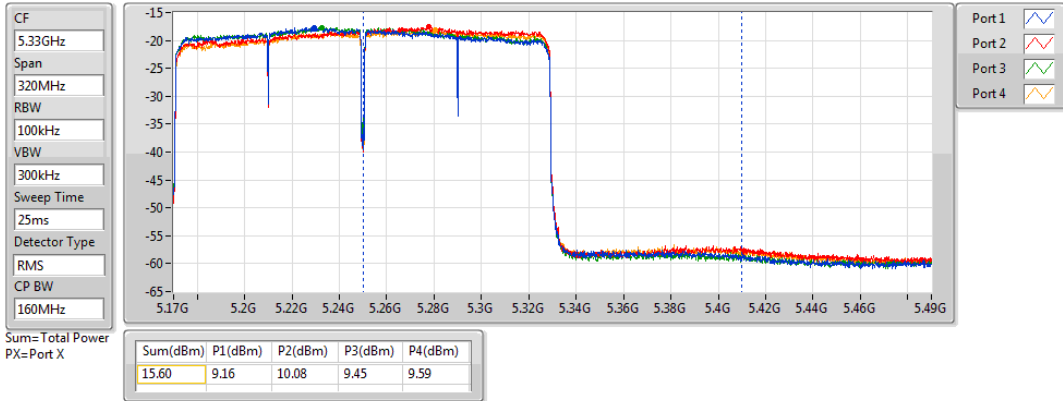


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

02/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.41	0.13836	29.44	0.87902
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	21.38	0.13740	29.41	0.87297
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	20.67	0.11668	28.70	0.74131
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.93	0.15596	29.96	0.99083
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.95	0.15668	29.98	0.99541
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.42	0.13868	29.45	0.88105
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.51	0.14158	29.54	0.89950
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	21.69	0.14757	29.72	0.93756
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	21.66	0.14655	29.69	0.93111
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.72	0.14859	29.75	0.94406
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.86	0.15346	29.89	0.97499
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.62	0.14521	29.65	0.92257
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	14.68	0.02938	22.71	0.18664
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	11.15	0.01303	19.18	0.08279
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	7.19	0.00524	15.22	0.03327
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.44	0.03499	23.47	0.22233
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	12.04	0.01600	20.07	0.10162
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	8.05	0.00638	16.08	0.04055

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.03	18.78	17.94	21.39	21.97	29.42	30.00
5300MHz	Pass	8.03	18.38	17.93	21.17	21.97	29.20	30.00
5320MHz	Pass	8.03	18.95	17.77	21.41	21.97	29.44	30.00
5500MHz	Pass	8.03	18.92	18.03	21.51	21.97	29.54	30.00
5580MHz	Pass	8.03	18.63	17.97	21.32	21.97	29.35	30.00
5700MHz	Pass	8.03	18.38	17.12	20.81	21.97	28.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.03	17.73	17.08	20.43	20.95	28.46	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	8.03	12.11	11.18	14.68	27.97	22.71	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.03	18.96	17.69	21.38	21.97	29.41	30.00
5310MHz	Pass	8.03	18.05	17.54	20.81	21.97	28.84	30.00
5510MHz	Pass	8.03	17.42	15.97	19.77	21.97	27.80	30.00
5550MHz	Pass	8.03	17.63	18.40	21.04	21.97	29.07	30.00
5670MHz	Pass	8.03	18.89	18.05	21.50	21.97	29.53	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.03	19.09	18.23	21.69	21.97	29.72	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.03	8.66	7.54	11.15	27.97	19.18	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.03	17.88	17.42	20.67	21.97	28.70	30.00
5530MHz	Pass	8.03	17.85	16.12	20.08	21.97	28.11	30.00
5610MHz	Pass	8.03	18.98	18.29	21.66	21.97	29.69	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.03	18.78	18.07	21.45	21.97	29.48	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.03	4.51	3.82	7.19	27.97	15.22	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.03	19.52	18.23	21.93	21.97	29.96	30.00
5300MHz	Pass	8.03	19.26	17.81	21.61	21.97	29.64	30.00
5320MHz	Pass	8.03	19.18	18.21	21.73	21.97	29.76	30.00
5500MHz	Pass	8.03	19.10	18.27	21.72	21.97	29.75	30.00
5580MHz	Pass	8.03	18.90	18.29	21.62	21.97	29.65	30.00
5700MHz	Pass	8.03	18.47	17.63	21.08	21.97	29.11	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.03	17.89	17.24	20.59	20.95	28.62	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	8.03	12.68	12.17	15.44	27.97	23.47	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.03	19.48	18.32	21.95	21.97	29.98	30.00
5310MHz	Pass	8.03	19.09	18.17	21.66	21.97	29.69	30.00
5510MHz	Pass	8.03	17.64	17.43	20.55	21.97	28.58	30.00
5550MHz	Pass	8.03	19.48	17.83	21.74	21.97	29.77	30.00
5670MHz	Pass	8.03	18.58	18.45	21.53	21.97	29.56	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.03	19.23	18.43	21.86	21.97	29.89	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.03	9.49	8.52	12.04	27.97	20.07	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.03	18.06	18.74	21.42	21.97	29.45	30.00
5530MHz	Pass	8.03	17.80	16.51	20.21	21.97	28.24	30.00
5610MHz	Pass	8.03	19.59	-0.87	19.63	21.97	27.66	30.00



Average Power_Beamforming_Sample 1_Radio 3_2T1S

Appendix B.20

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5690MHz Straddle 5.47-5.725GHz	Pass	8.03	19.22	17.91	21.62	21.97	29.65	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.03	5.39	4.65	8.05	27.97	16.08	36.00

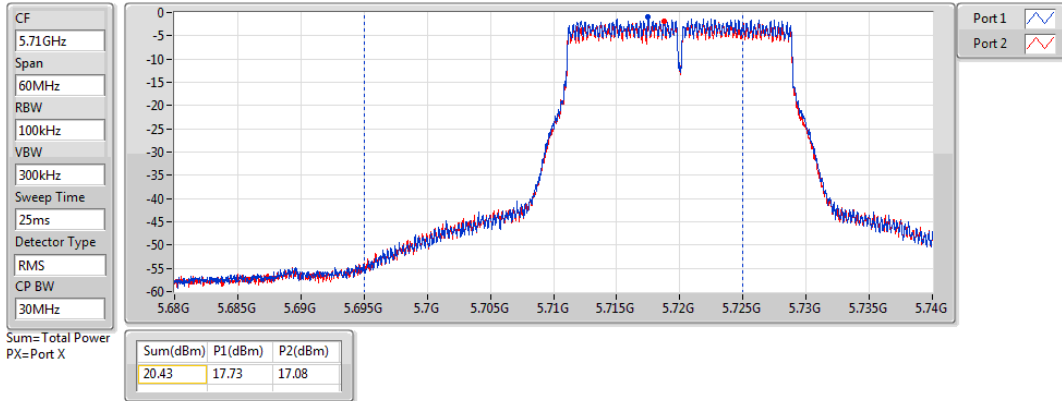
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

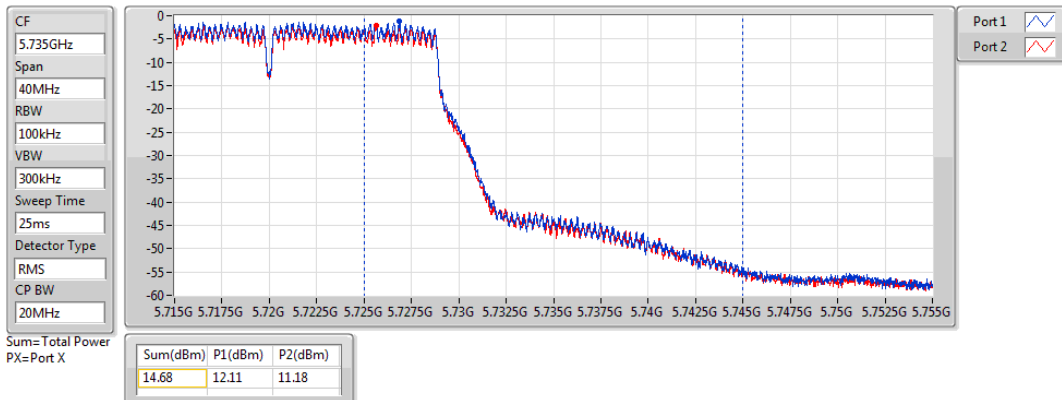


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

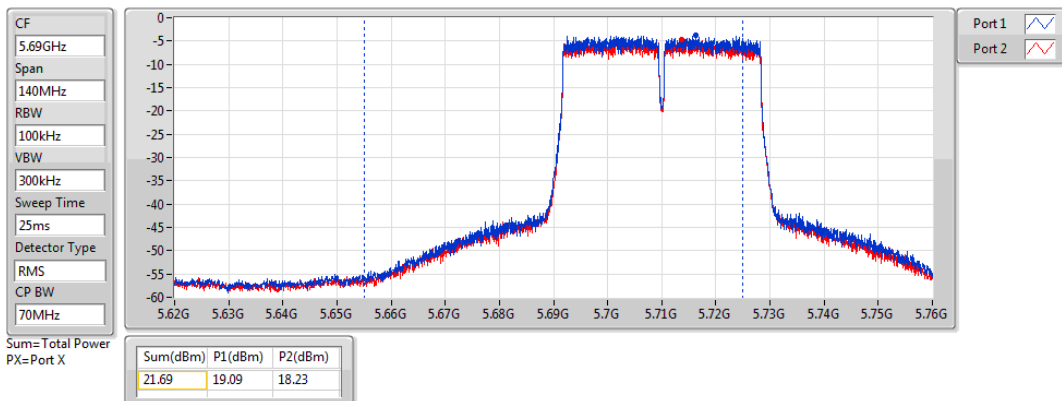


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

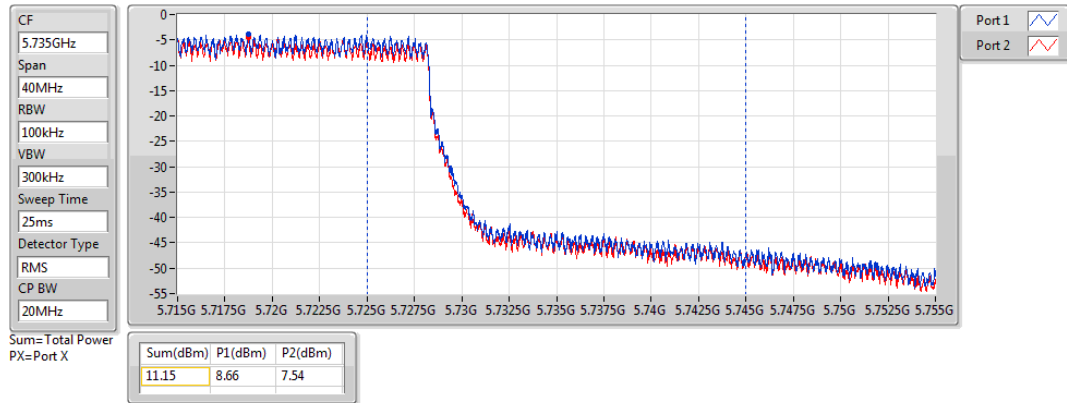


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

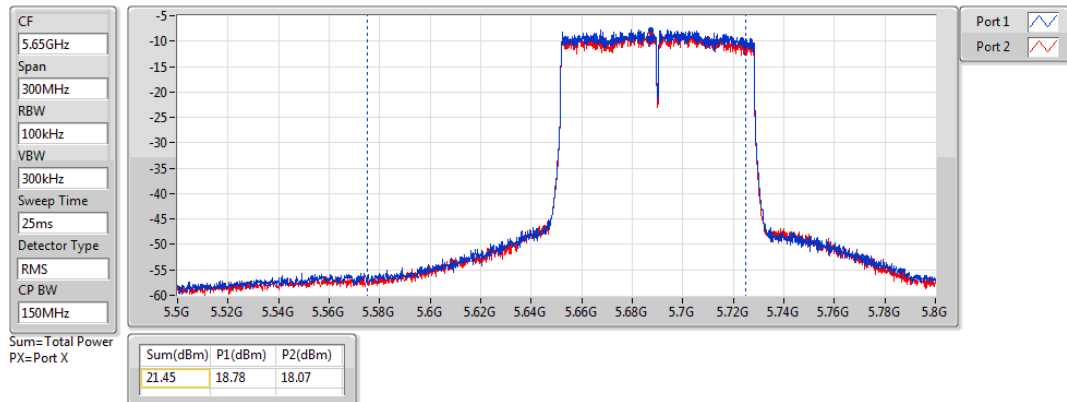


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

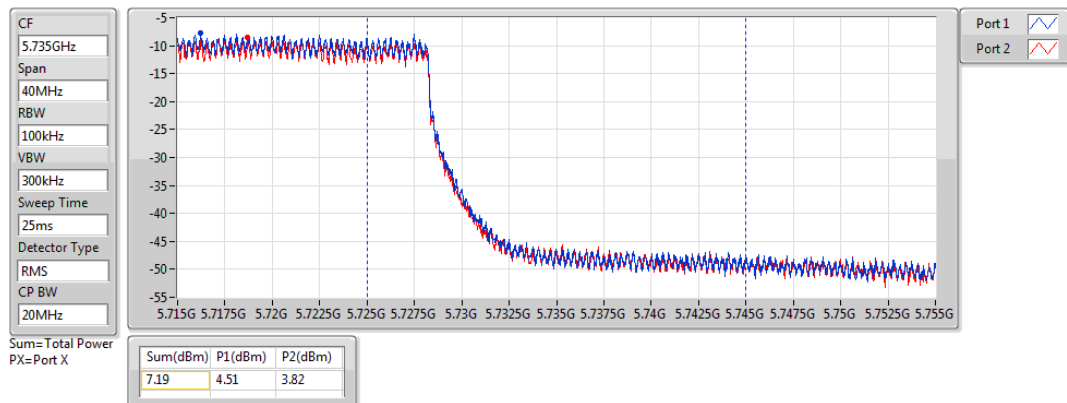


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

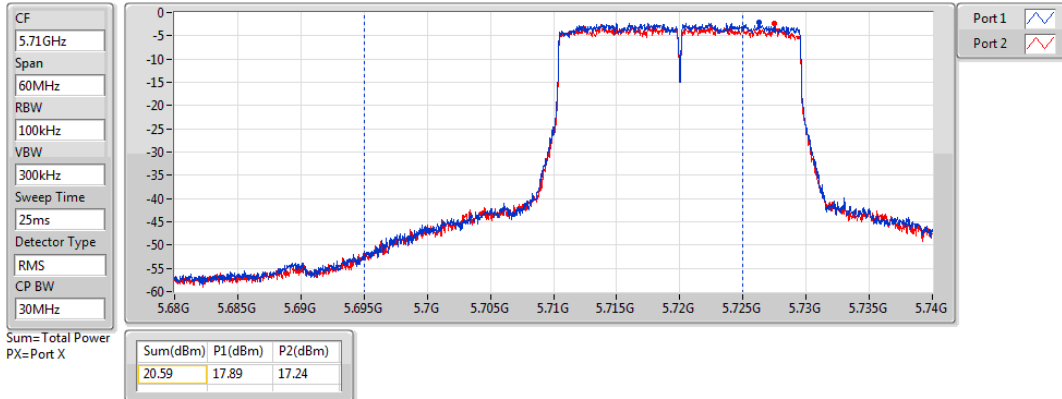


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

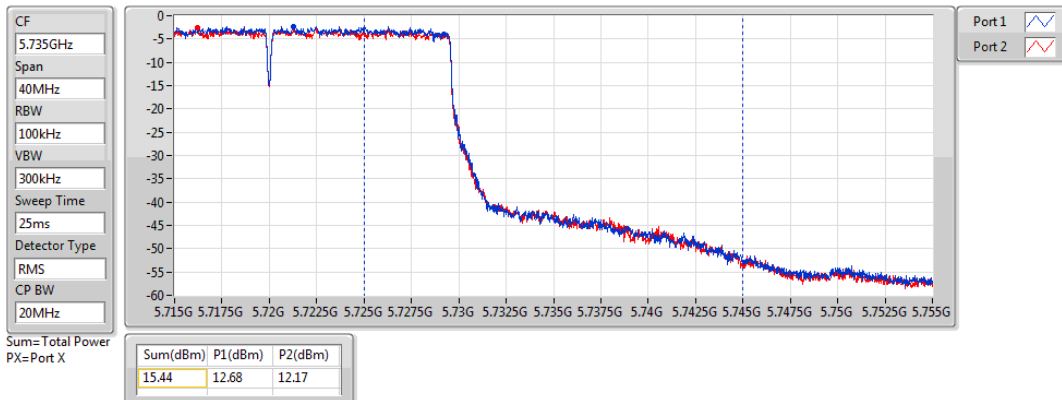


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

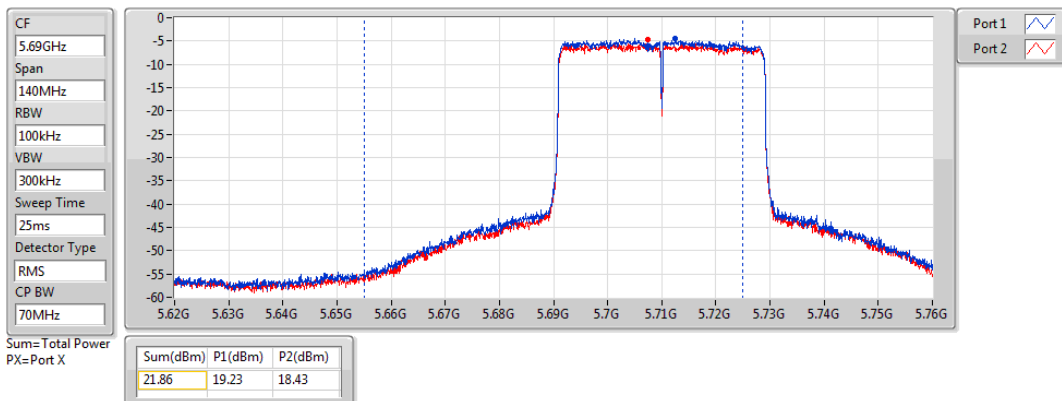


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

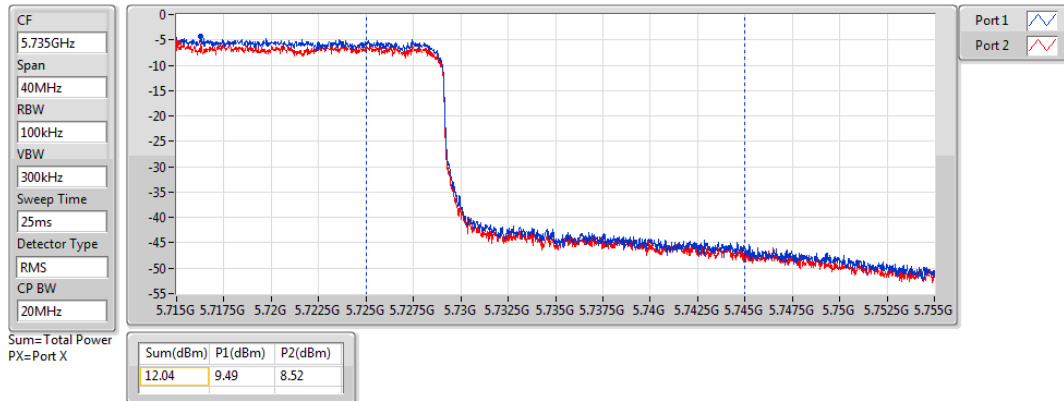


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

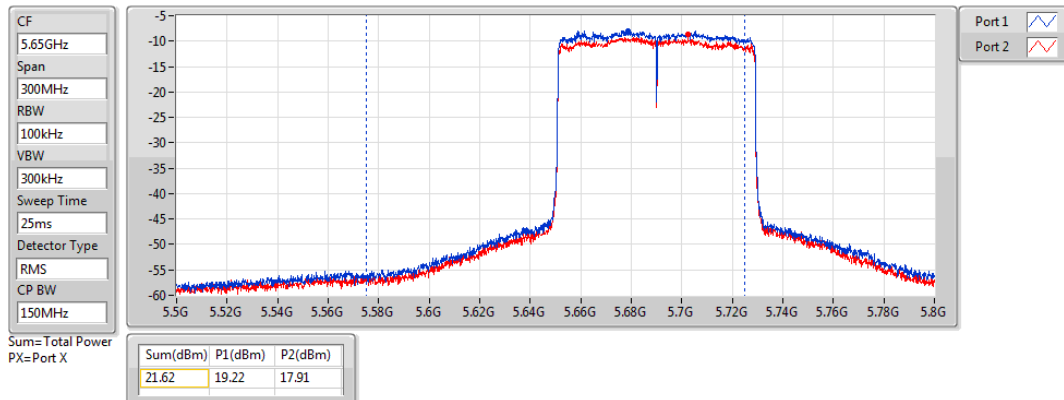


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

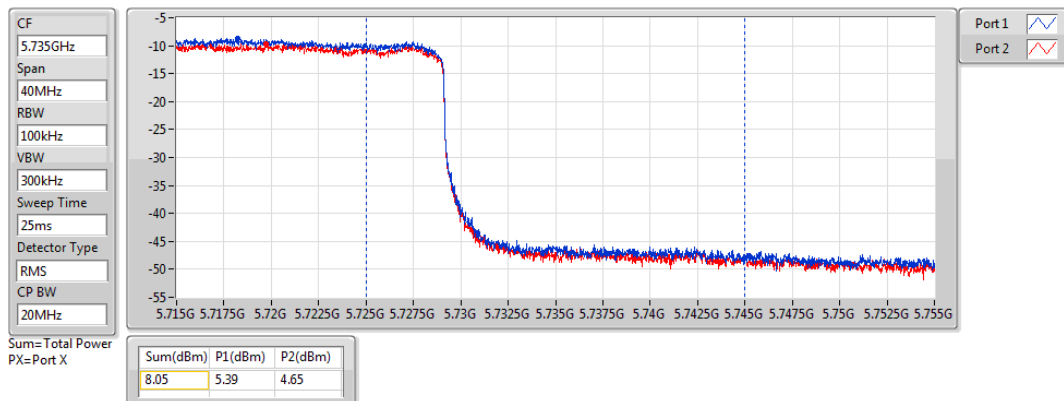


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	12.87	0.01936	26.89	0.48865
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	12.98	0.01986	27.00	0.50119
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.38	0.03451	29.40	0.87096
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	15.75	0.03758	29.77	0.94842
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	14.99	0.03155	29.01	0.79616
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	13.21	0.02094	27.23	0.52845
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.95	0.03936	29.97	0.99312
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	15.78	0.03784	29.80	0.95499
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	15.09	0.03228	29.11	0.81470
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	13.25	0.02113	27.27	0.53333
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.45	0.03508	29.47	0.88512
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	15.74	0.03750	29.76	0.94624
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	15.55	0.03589	29.57	0.90573
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	15.71	0.03724	29.73	0.93972
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.81	0.03811	29.83	0.96161
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	15.95	0.03936	29.97	0.99312
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	15.79	0.03793	29.81	0.95719
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	15.91	0.03899	29.93	0.98401
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	8.71	0.00743	22.73	0.18750
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	4.90	0.00309	18.92	0.07798
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	0.96	0.00125	14.98	0.03148
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.37	0.00865	23.39	0.21827
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.75	0.00376	19.77	0.09484
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.70	0.00148	15.72	0.03733

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	14.02	8.94	9.79	8.94	8.73	15.14	15.98	29.16	30.00
5300MHz	Pass	14.02	9.06	9.57	9.20	9.16	15.27	15.98	29.29	30.00
5320MHz	Pass	14.02	9.48	9.46	9.71	8.74	15.38	15.98	29.40	30.00
5500MHz	Pass	14.02	9.18	9.48	9.42	9.32	15.37	15.98	29.39	30.00
5580MHz	Pass	14.02	9.12	9.94	9.22	9.41	15.45	15.98	29.47	30.00
5700MHz	Pass	14.02	9.02	9.33	9.77	9.47	15.43	15.98	29.45	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.02	8.27	8.64	8.64	7.96	14.41	14.95	28.43	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	14.02	2.51	2.77	3.14	2.30	8.71	21.98	22.73	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	14.02	9.31	10.37	9.95	9.20	15.75	15.98	29.77	30.00
5310MHz	Pass	14.02	6.45	7.62	6.66	6.49	12.85	15.98	26.87	30.00
5510MHz	Pass	14.02	9.16	9.80	9.62	9.69	15.59	15.98	29.61	30.00
5550MHz	Pass	14.02	9.09	9.81	9.98	9.58	15.65	15.98	29.67	30.00
5670MHz	Pass	14.02	9.82	9.61	9.94	9.49	15.74	15.98	29.76	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	14.02	9.38	9.44	10.03	9.64	15.65	15.98	29.67	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	14.02	-1.38	-1.58	-0.62	-0.98	4.90	21.98	18.92	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	14.02	8.92	9.00	9.06	8.88	14.99	15.98	29.01	30.00
5530MHz	Pass	14.02	8.69	8.92	8.80	8.96	14.86	15.98	28.88	30.00
5610MHz	Pass	14.02	9.43	9.27	9.57	9.82	15.55	15.98	29.57	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	14.02	9.23	9.04	9.63	9.72	15.43	15.98	29.45	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	14.02	-4.66	-6.32	-4.43	-5.06	0.96	21.98	14.98	36.00
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.02	6.86	6.60	7.33	6.55	12.87	21.98	26.89	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	14.02	6.74	7.63	7.06	7.29	13.21	15.98	27.23	30.00
5570MHz	Pass	14.02	10.47	8.61	8.44	10.74	15.71	15.98	29.73	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	14.02	9.42	10.25	9.80	8.83	15.63	15.98	29.65	30.00
5300MHz	Pass	14.02	9.45	10.39	9.37	9.76	15.78	15.98	29.80	30.00
5320MHz	Pass	14.02	9.68	10.45	9.71	9.82	15.95	15.98	29.97	30.00
5500MHz	Pass	14.02	9.37	10.21	9.90	9.63	15.81	15.98	29.83	30.00
5580MHz	Pass	14.02	8.81	9.91	9.56	9.51	15.49	15.98	29.51	30.00
5700MHz	Pass	14.02	9.57	9.93	10.06	9.49	15.79	15.98	29.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.02	8.36	8.82	8.94	8.66	14.72	14.92	28.74	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	14.02	3.12	3.39	3.46	3.40	9.37	21.98	23.39	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	14.02	9.55	9.93	10.14	9.39	15.78	15.98	29.80	30.00
5310MHz	Pass	14.02	6.54	7.77	7.85	6.49	13.23	15.98	27.25	30.00
5510MHz	Pass	14.02	9.81	9.95	10.36	9.41	15.92	15.98	29.94	30.00
5550MHz	Pass	14.02	9.75	10.00	9.91	9.67	15.86	15.98	29.88	30.00
5670MHz	Pass	14.02	9.84	9.43	10.50	9.87	15.95	15.98	29.97	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	14.02	9.58	9.60	10.15	9.85	15.82	15.98	29.84	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	14.02	0.20	-1.10	0.08	-0.39	5.75	21.98	19.77	36.00



Average Power Beamforming Sample 2 Radio 2 Omni 4T1S Appendix B.21

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	14.02	9.02	9.10	9.14	9.01	15.09	15.98	29.11	30.00
5530MHz	Pass	14.02	8.99	10.25	9.31	8.91	15.42	15.98	29.44	30.00
5610MHz	Pass	14.02	9.10	10.12	10.12	9.67	15.79	15.98	29.81	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	14.02	8.82	9.39	10.01	9.63	15.50	15.98	29.52	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	14.02	-3.88	-5.70	-3.50	-4.53	1.70	21.98	15.72	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.02	6.98	6.75	7.33	6.77	12.98	21.98	27.00	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	14.02	7.25	7.83	6.13	7.51	13.25	15.98	27.27	30.00
5570MHz	Pass	14.02	9.43	9.85	9.71	10.50	15.91	15.98	29.93	30.00

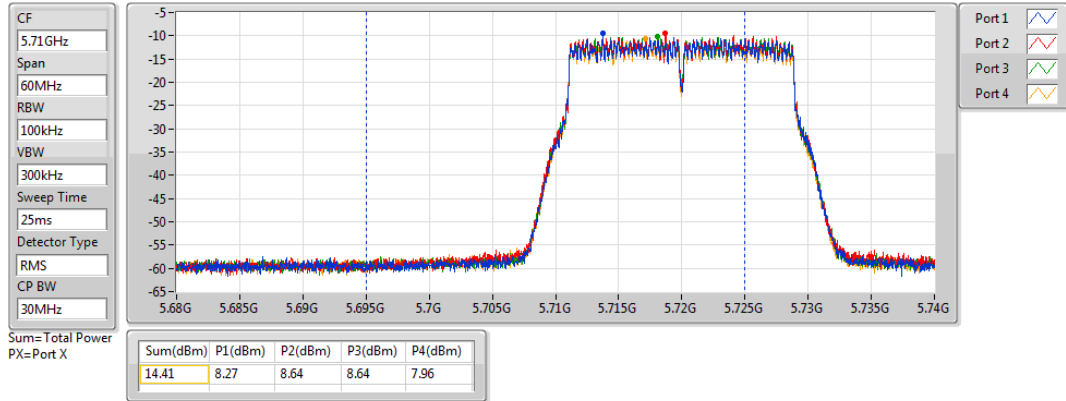
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

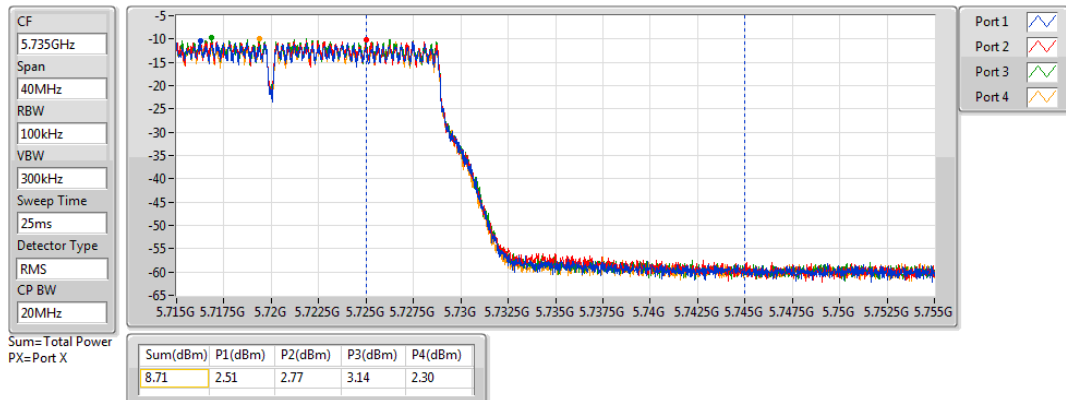


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

03/12/2019

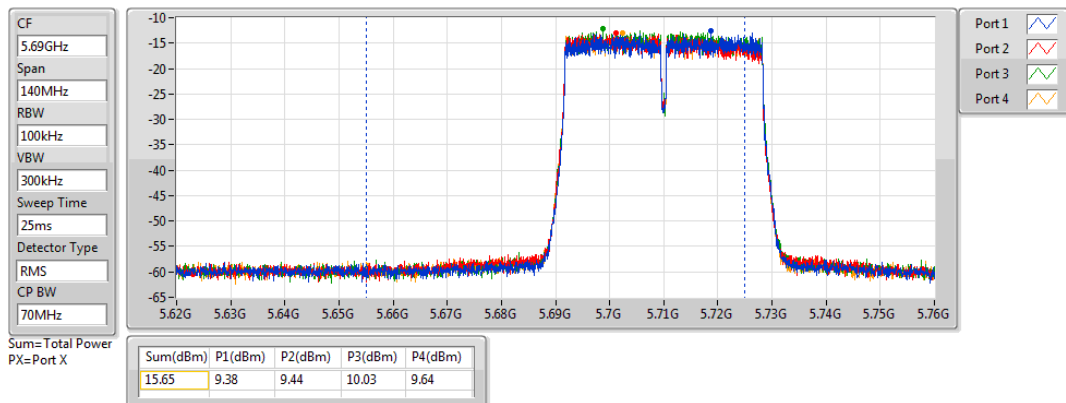


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019

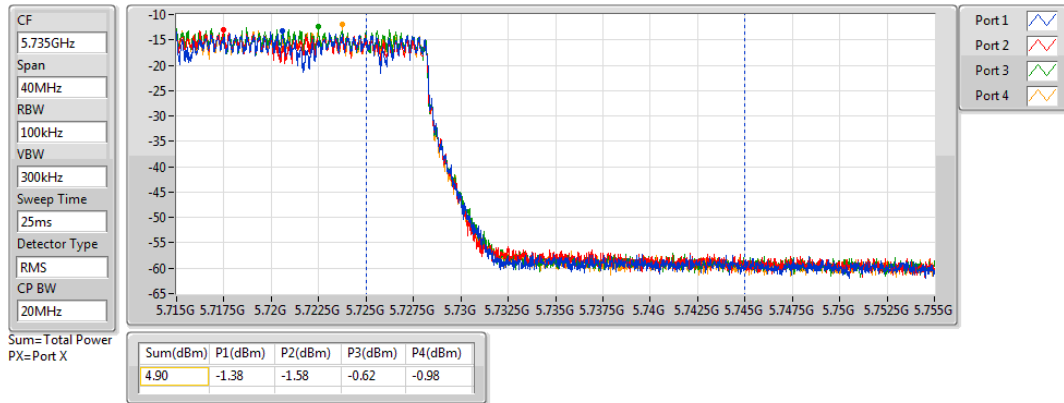


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

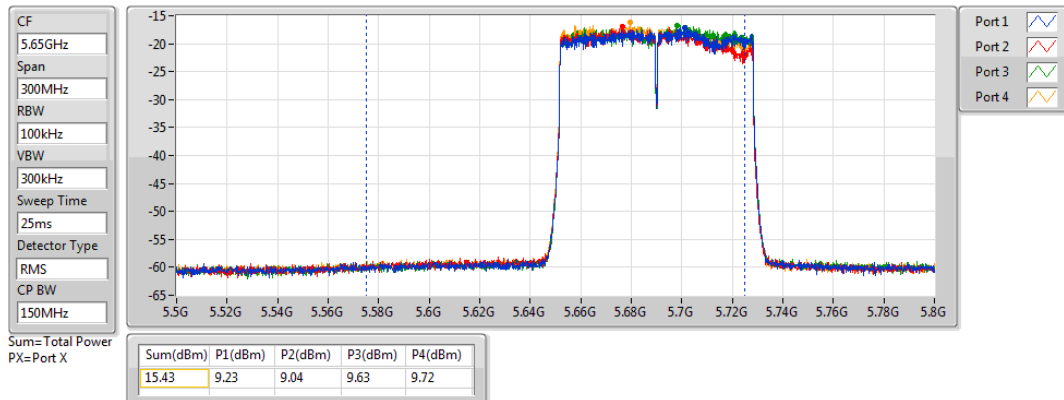


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

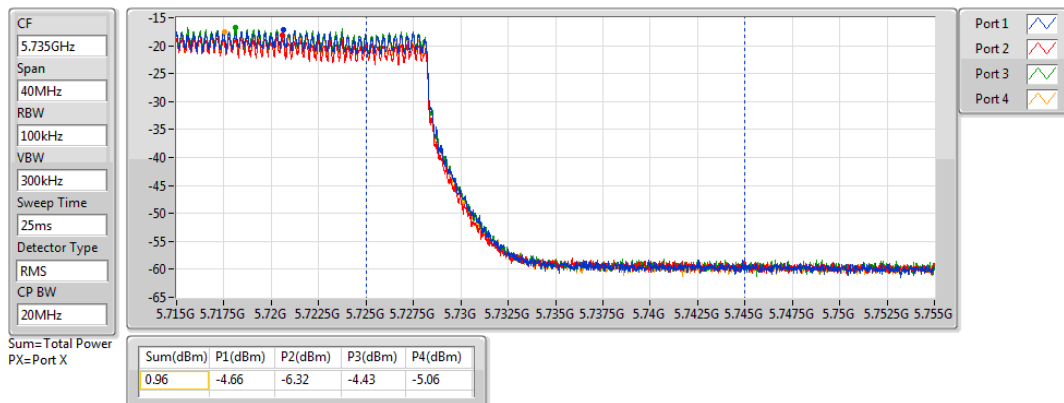


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

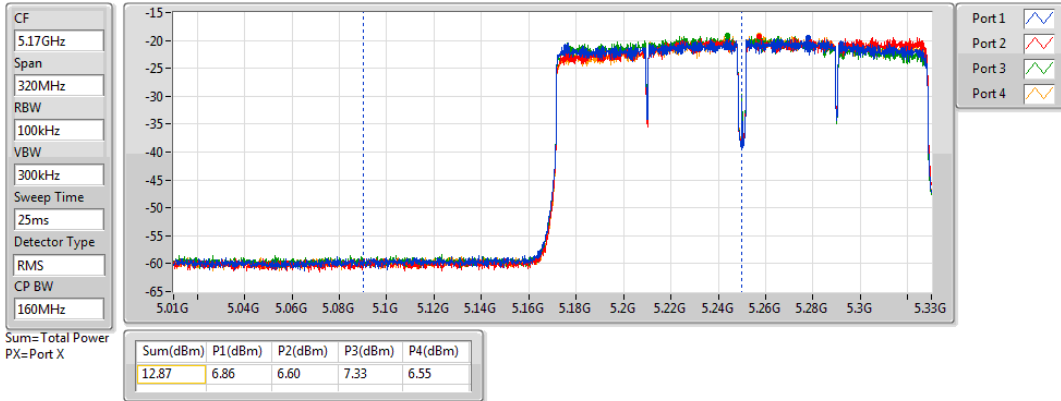


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019

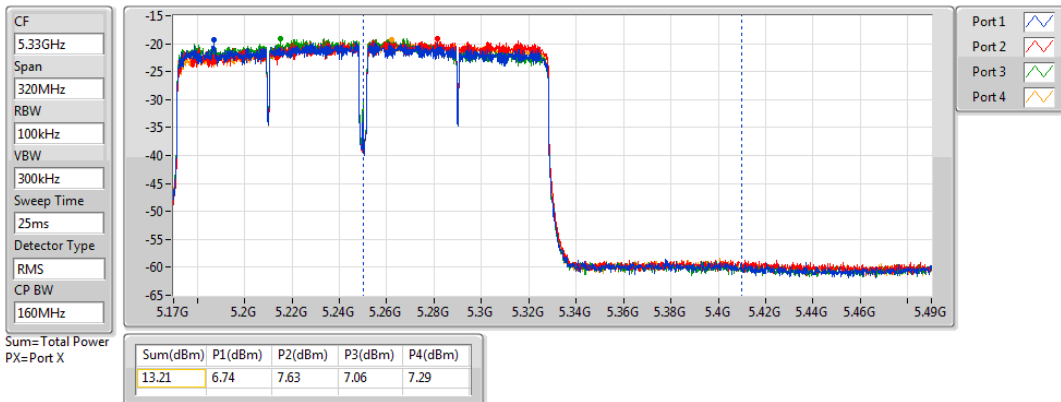


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019

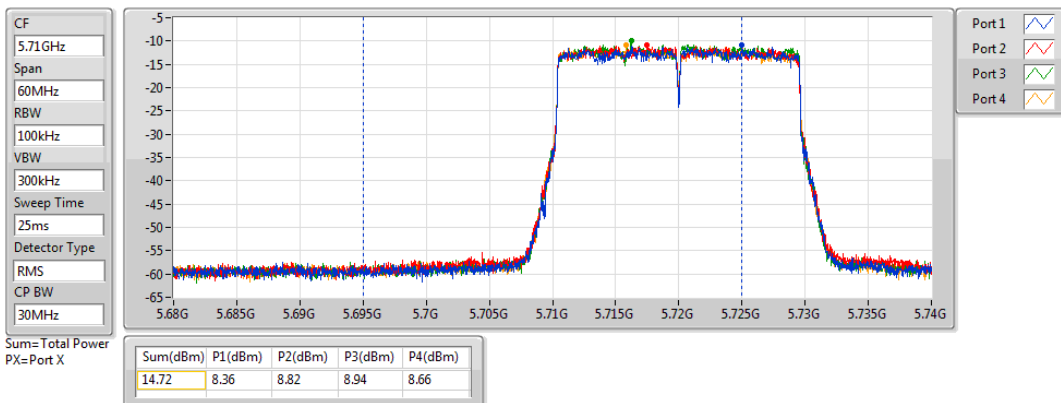


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

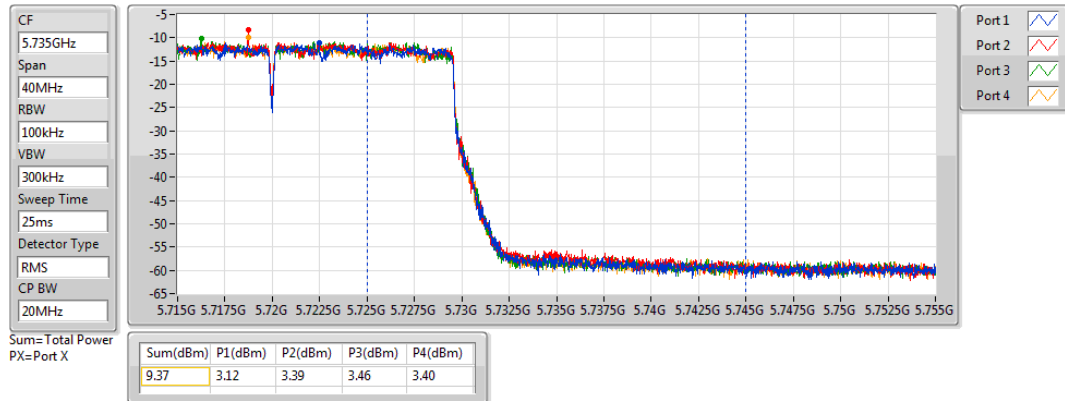


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

03/12/2019

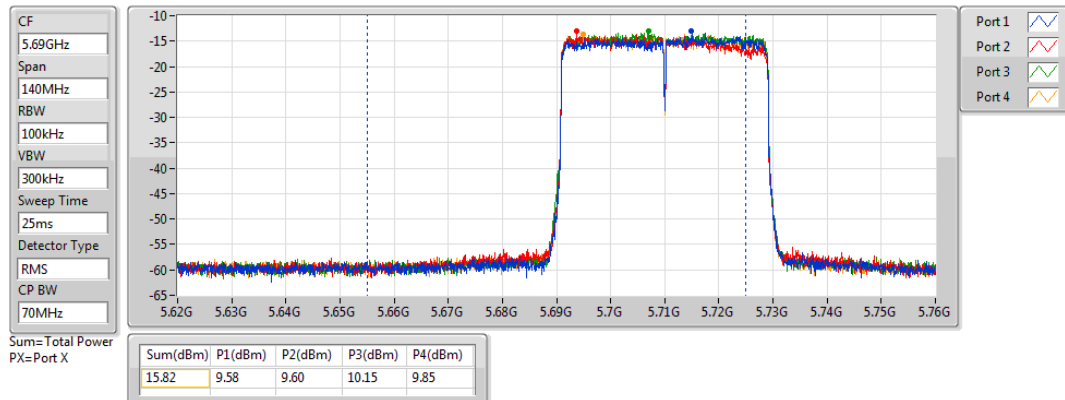


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019

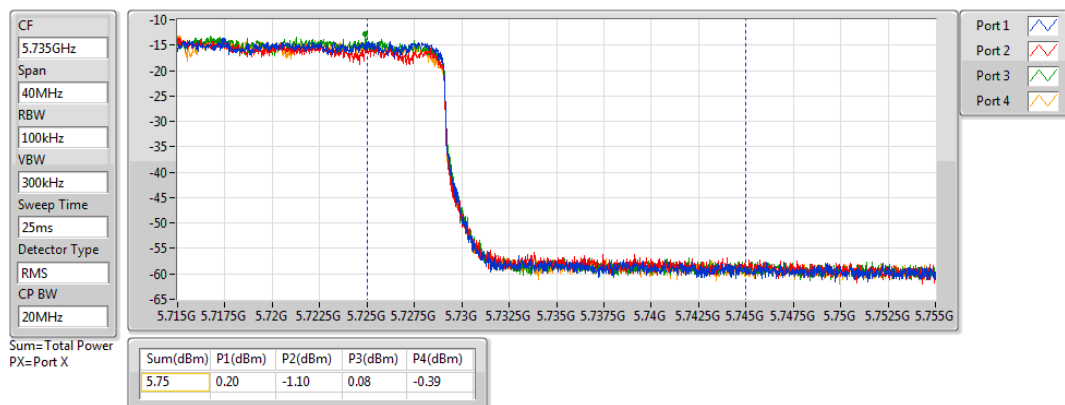


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

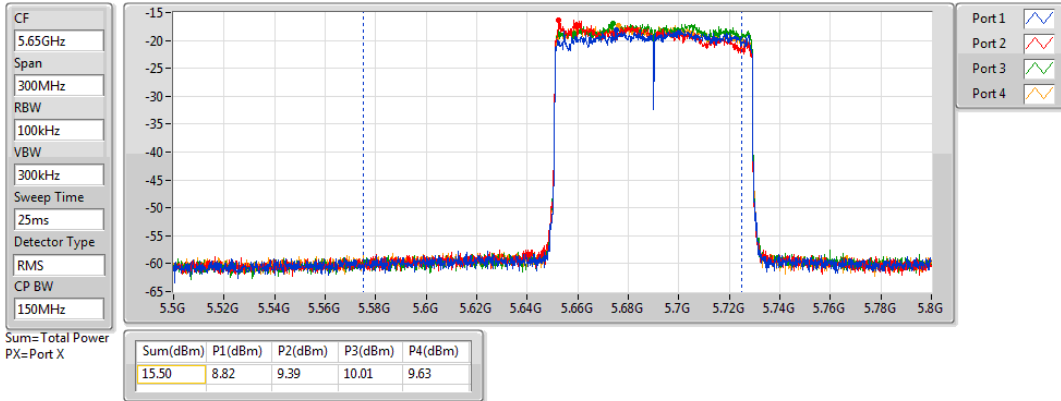


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

03/12/2019

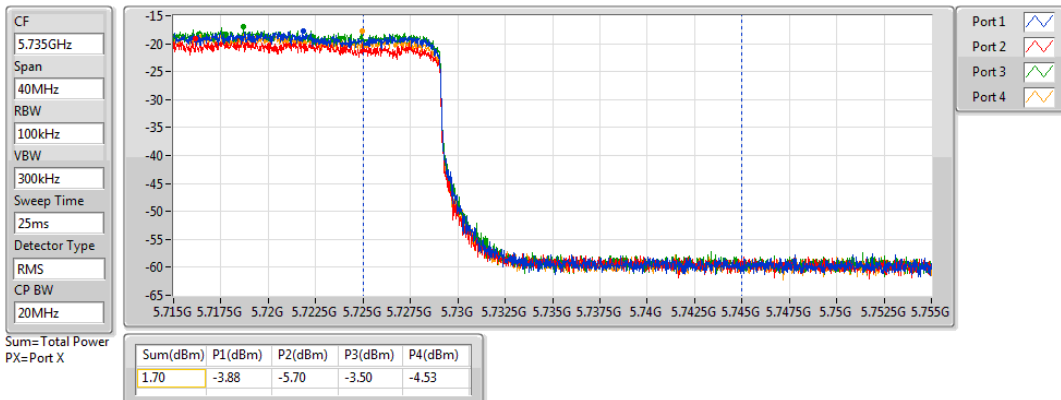


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

03/12/2019

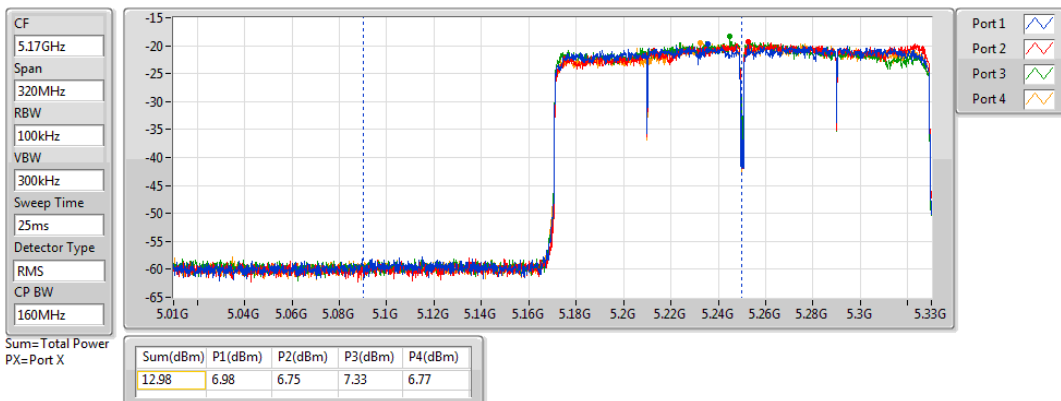


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

03/12/2019

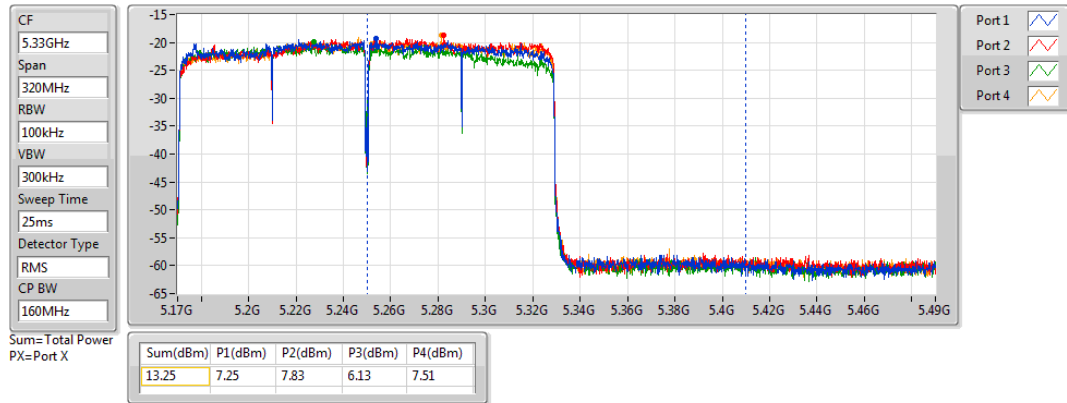


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

03/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	12.39	0.01734	29.11	0.81470
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	12.67	0.01849	29.39	0.86896
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.97	0.01982	29.69	0.93111
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.98	0.01986	29.70	0.93325
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	13.02	0.02004	29.74	0.94189
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	12.78	0.01897	29.50	0.89125
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.13	0.02056	29.85	0.96605
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.16	0.02070	29.88	0.97275
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.04	0.02014	29.76	0.94624
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	13.03	0.02009	29.75	0.94406
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.88	0.01941	29.60	0.91201
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	13.07	0.02028	29.79	0.95280
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	12.92	0.01959	29.64	0.92045
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	12.43	0.01750	29.15	0.82224
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.23	0.02104	29.95	0.98855
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.23	0.02104	29.95	0.98855
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.21	0.02094	29.93	0.98401
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	13.15	0.02065	29.87	0.97051
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	6.25	0.00422	22.97	0.19815
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	2.22	0.00167	18.94	0.07834
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-1.87	0.00065	14.85	0.03055
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.70	0.00468	23.42	0.21979
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.13	0.00206	19.85	0.09661
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-0.97	0.00080	15.75	0.03758

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	16.72	6.62	7.12	7.26	6.76	12.97	13.28	29.69	30.00
5300MHz	Pass	16.72	6.34	6.97	7.44	6.42	12.84	13.28	29.56	30.00
5320MHz	Pass	16.72	6.00	7.02	6.46	5.94	12.40	13.28	29.12	30.00
5500MHz	Pass	16.72	5.95	7.53	6.85	6.66	12.80	13.28	29.52	30.00
5580MHz	Pass	16.72	6.05	7.48	6.91	6.88	12.88	13.28	29.60	30.00
5700MHz	Pass	16.72	6.45	6.89	7.25	6.57	12.82	13.28	29.54	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.72	5.45	6.08	6.26	6.00	11.98	12.24	28.70	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	16.72	-0.15	0.19	0.51	0.35	6.25	19.28	22.97	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	16.72	7.05	7.07	7.03	6.66	12.98	13.28	29.70	30.00
5310MHz	Pass	16.72	6.86	6.90	6.83	6.76	12.86	13.28	29.58	30.00
5510MHz	Pass	16.72	6.36	6.85	6.77	6.81	12.72	13.28	29.44	30.00
5550MHz	Pass	16.72	6.35	6.90	7.32	6.89	12.90	13.28	29.62	30.00
5670MHz	Pass	16.72	6.42	6.88	7.50	6.35	12.83	13.28	29.55	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.72	6.60	7.05	7.57	6.93	13.07	13.28	29.79	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	16.72	-4.13	-4.28	-2.87	-4.07	2.22	19.28	18.94	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	16.72	6.92	7.08	7.09	6.89	13.02	13.28	29.74	30.00
5530MHz	Pass	16.72	6.23	6.47	6.41	6.49	12.42	13.28	29.14	30.00
5610MHz	Pass	16.72	5.98	6.42	7.46	7.52	12.92	13.28	29.64	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.72	6.71	6.45	7.28	6.94	12.88	13.28	29.60	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	16.72	-7.44	-9.26	-7.17	-7.99	-1.87	19.28	14.85	36.00
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	16.72	6.42	5.88	6.90	6.22	12.39	19.28	29.11	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	16.72	6.34	7.24	6.71	6.68	12.78	13.28	29.50	30.00
5570MHz	Pass	16.72	5.53	6.89	6.46	6.64	12.43	13.28	29.15	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	16.72	6.84	7.43	7.42	6.68	13.13	13.28	29.85	30.00
5300MHz	Pass	16.72	6.39	7.48	7.42	6.50	13.00	13.28	29.72	30.00
5320MHz	Pass	16.72	6.81	7.61	6.89	6.37	12.96	13.28	29.68	30.00
5500MHz	Pass	16.72	6.54	7.88	7.15	6.69	13.12	13.28	29.84	30.00
5580MHz	Pass	16.72	6.46	7.68	7.47	7.13	13.23	13.28	29.95	30.00
5700MHz	Pass	16.72	6.44	7.22	7.28	6.45	12.89	13.28	29.61	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.72	5.73	6.25	6.48	6.23	12.20	12.22	28.92	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	16.72	0.17	0.69	1.21	0.58	6.70	19.28	23.42	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	16.72	6.61	7.23	7.52	6.63	13.04	13.28	29.76	30.00
5310MHz	Pass	16.72	7.11	7.53	7.15	6.74	13.16	13.28	29.88	30.00
5510MHz	Pass	16.72	6.75	7.36	6.94	6.79	12.99	13.28	29.71	30.00
5550MHz	Pass	16.72	6.67	7.26	7.12	6.71	12.97	13.28	29.69	30.00
5670MHz	Pass	16.72	6.52	6.80	7.54	6.58	12.90	13.28	29.62	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.72	6.88	7.14	7.69	7.10	13.23	13.28	29.95	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	16.72	-2.96	-3.11	-2.23	-3.35	3.13	19.28	19.85	36.00



Average Power Beamforming Sample 2 Radio 2 Panel 1 4T1S Appendix B.22

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	16.72	6.38	6.86	8.22	6.34	13.04	13.28	29.76	30.00
5530MHz	Pass	16.72	6.74	6.44	6.74	6.43	12.61	13.28	29.33	30.00
5610MHz	Pass	16.72	6.23	7.38	7.70	7.31	13.21	13.28	29.93	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.72	6.79	6.97	7.53	7.05	13.11	13.28	29.83	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	16.72	-6.56	-8.24	-6.07	-7.40	-0.97	19.28	15.75	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	16.72	6.87	6.18	7.09	6.41	12.67	19.28	29.39	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	16.72	6.39	7.51	7.08	7.00	13.03	13.28	29.75	30.00
5570MHz	Pass	16.72	7.79	7.12	6.44	7.06	13.15	13.28	29.87	30.00

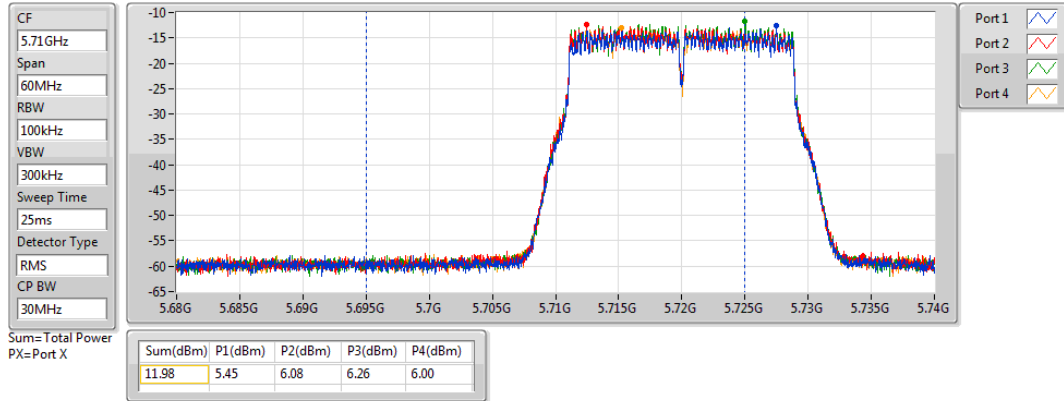
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

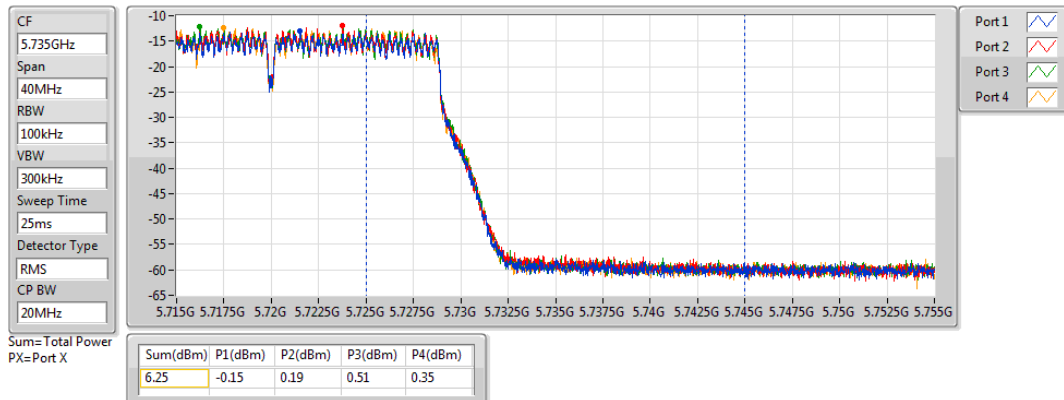


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

03/12/2019

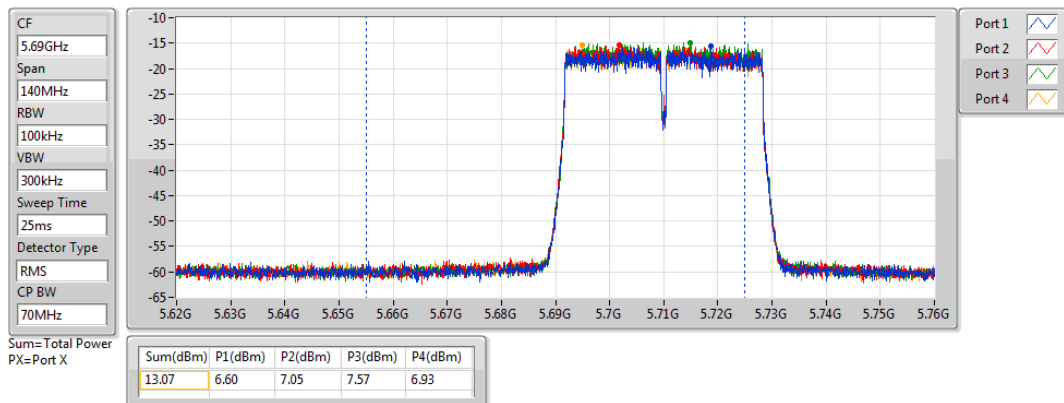


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019

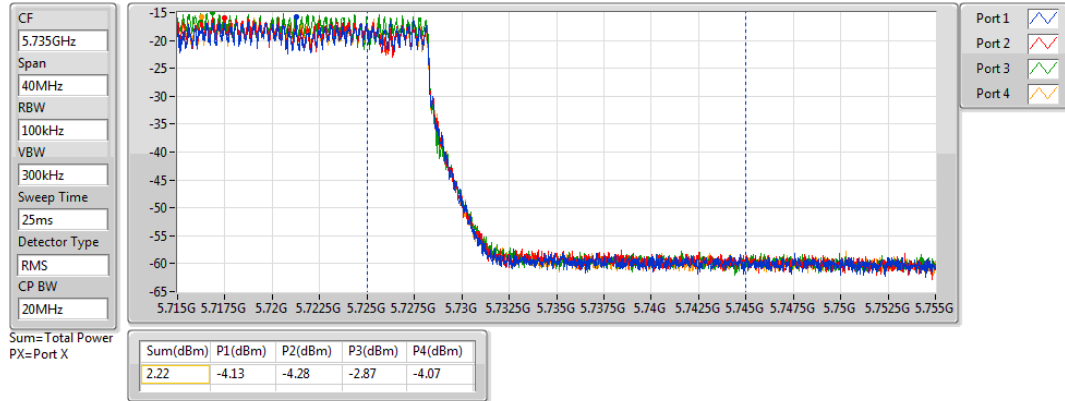


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

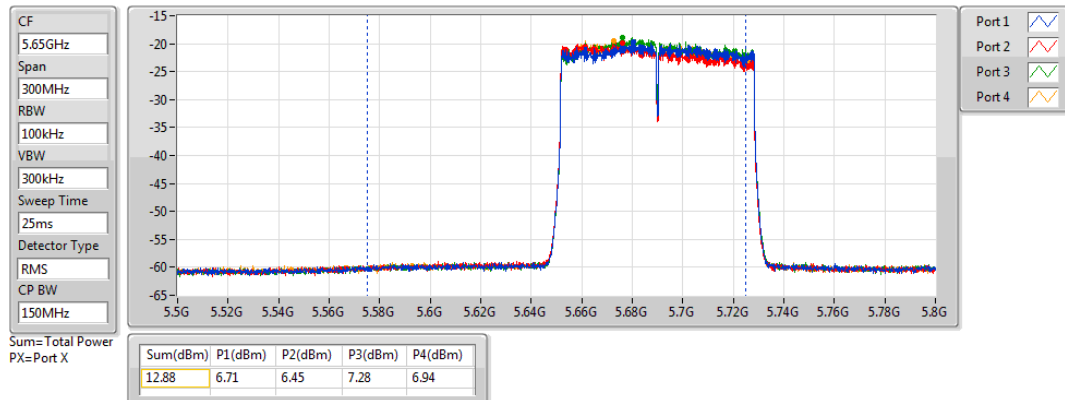


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

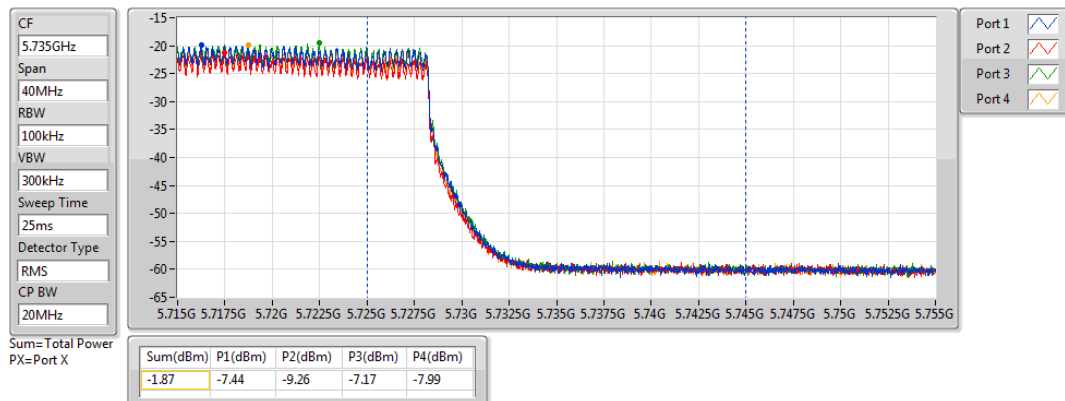


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

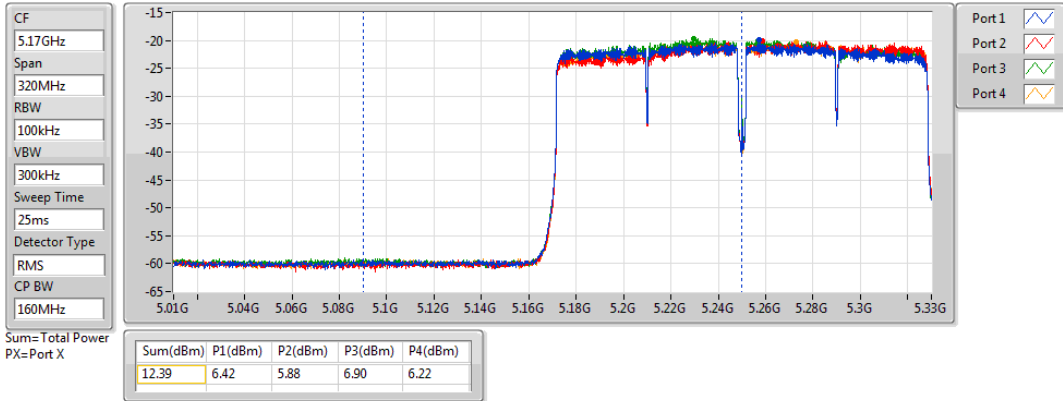


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019

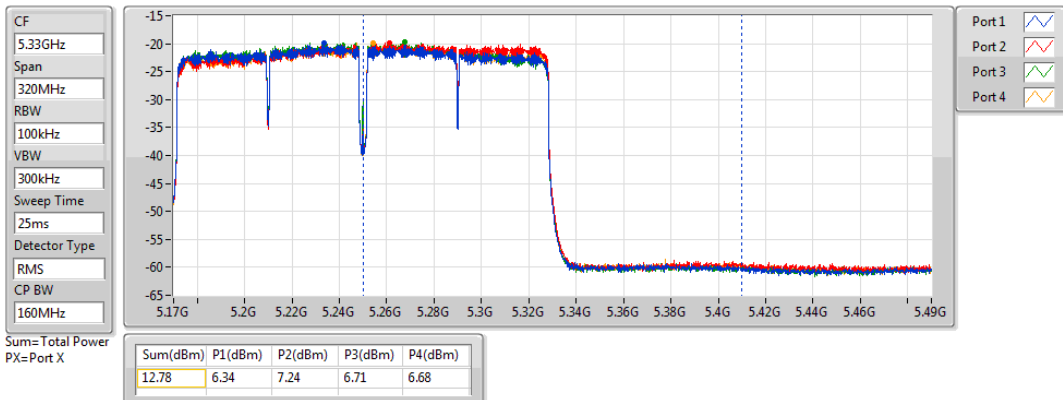


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019

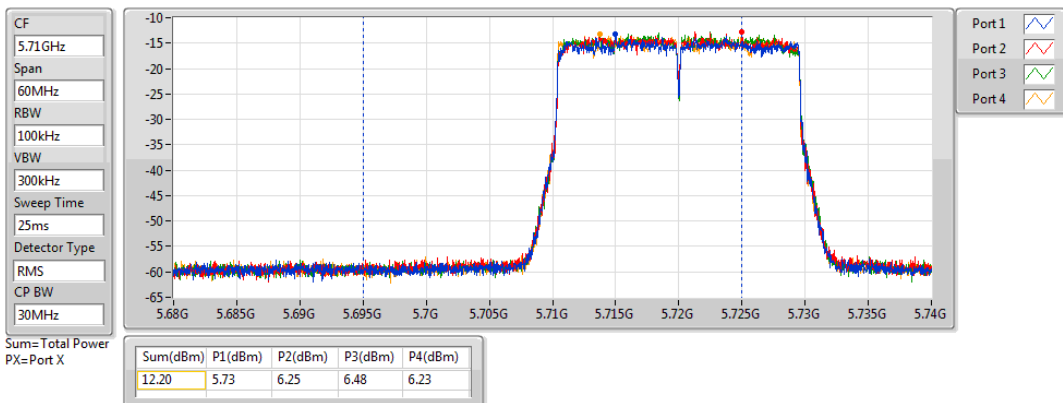


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

03/12/2019

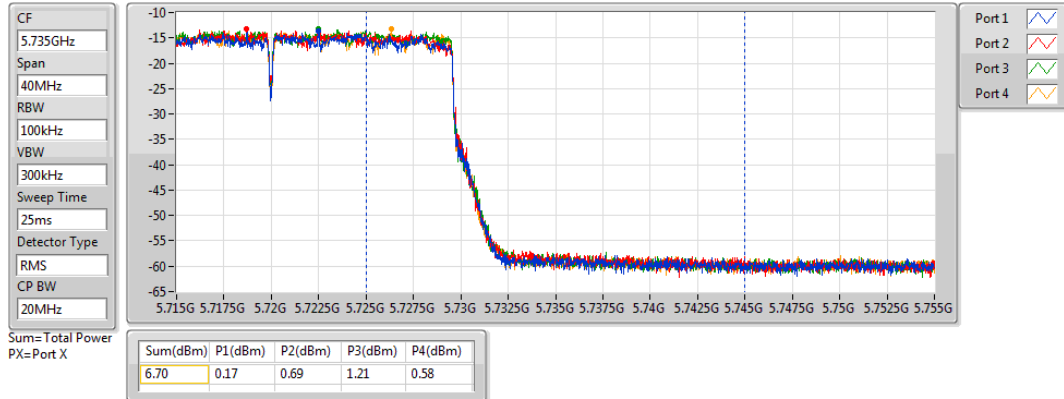


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

03/12/2019



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

03/12/2019



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

03/12/2019

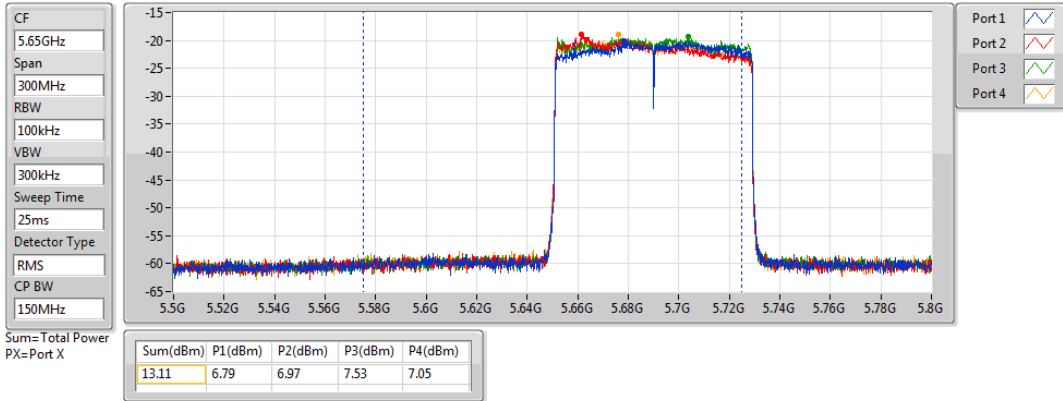


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

03/12/2019

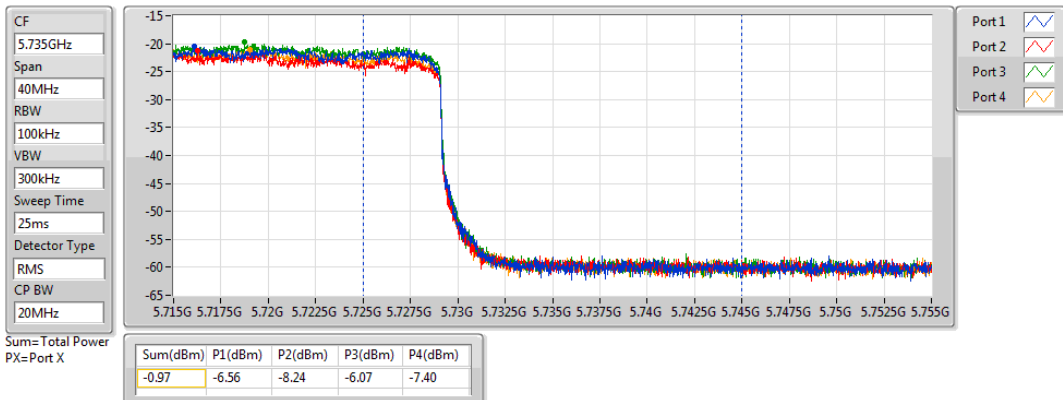


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

03/12/2019

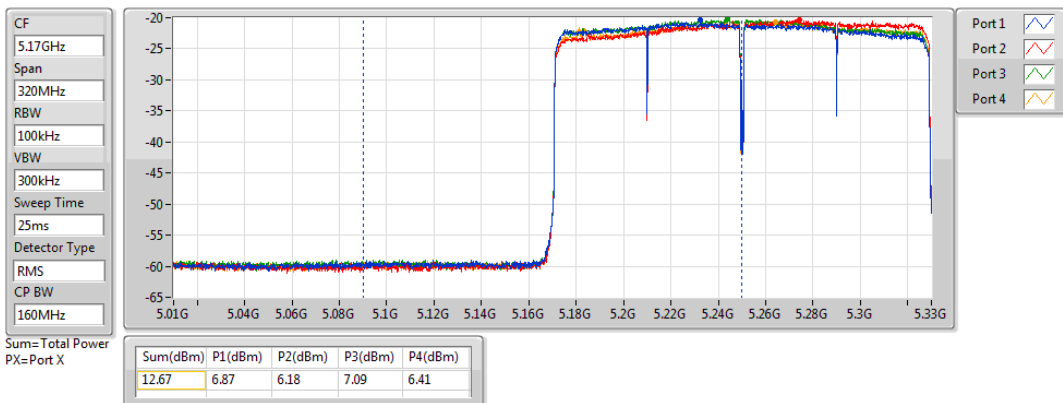


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019



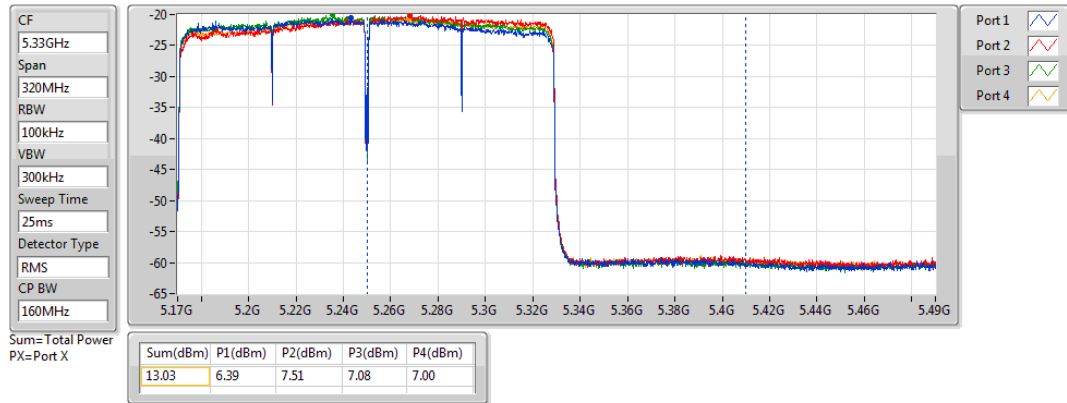


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019





Average Power_Beamforming_Sample 2_Radio 3_Omni_2T1S Appendix B.23

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	18.62	0.07278	29.63	0.91833
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	18.43	0.06966	29.44	0.87902
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	14.50	0.02818	25.51	0.35563
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.88	0.07727	29.89	0.97499
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.95	0.07852	29.96	0.99083
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.57	0.02864	25.58	0.36141
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	18.53	0.07129	29.54	0.89950
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	18.47	0.07031	29.48	0.88716
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	18.54	0.07145	29.55	0.90157
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.75	0.07499	29.76	0.94624
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.77	0.07534	29.78	0.95060
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.87	0.07709	29.88	0.97275
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	12.34	0.01714	23.35	0.21627
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	8.21	0.00662	19.22	0.08356
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	4.24	0.00265	15.25	0.03350
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.46	0.01762	23.47	0.22233
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	8.67	0.00736	19.68	0.09290
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	5.18	0.00330	16.19	0.04159



Average Power Beamforming Sample 2 Radio 3 Omni 2T1S Appendix B.23

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.01	16.01	15.03	18.56	18.99	29.57	30.00
5300MHz_TnomVnom	Pass	11.01	16.25	14.85	18.62	18.99	29.63	30.00
5320MHz_TnomVnom	Pass	11.01	15.25	13.15	17.34	18.99	28.35	30.00
5500MHz_TnomVnom	Pass	11.01	15.19	14.32	17.79	18.99	28.80	30.00
5580MHz_TnomVnom	Pass	11.01	15.36	15.68	18.53	18.99	29.54	30.00
5700MHz_TnomVnom	Pass	11.01	12.68	12.02	15.37	18.99	26.38	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	14.80	14.33	17.58	17.94	28.59	28.95
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	9.54	9.11	12.34	24.99	23.35	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.01	16.05	14.68	18.43	18.99	29.44	30.00
5310MHz_TnomVnom	Pass	11.01	11.04	10.18	13.64	18.99	24.65	30.00
5510MHz_TnomVnom	Pass	11.01	8.98	8.38	11.70	18.99	22.71	30.00
5550MHz_TnomVnom	Pass	11.01	15.21	14.96	18.10	18.99	29.11	30.00
5670MHz_TnomVnom	Pass	11.01	13.71	13.70	16.72	18.99	27.73	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	15.76	15.13	18.47	18.99	29.48	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	5.51	4.87	8.21	24.99	19.22	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.01	11.62	11.35	14.50	18.99	25.51	30.00
5530MHz_TnomVnom	Pass	11.01	12.80	12.36	15.60	18.99	26.61	30.00
5610MHz_TnomVnom	Pass	11.01	15.25	15.09	18.18	18.99	29.19	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	15.64	15.41	18.54	18.99	29.55	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	1.46	0.98	4.24	24.99	15.25	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.01	16.16	15.36	18.79	18.99	29.80	30.00
5300MHz_TnomVnom	Pass	11.01	16.58	15.02	18.88	18.99	29.89	30.00
5320MHz_TnomVnom	Pass	11.01	15.22	14.02	17.67	18.99	28.68	30.00
5500MHz_TnomVnom	Pass	11.01	15.74	14.57	18.20	18.99	29.21	30.00
5580MHz_TnomVnom	Pass	11.01	15.98	15.48	18.75	18.99	29.76	30.00
5700MHz_TnomVnom	Pass	11.01	13.10	12.79	15.96	18.99	26.97	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	14.93	14.60	17.78	17.92	28.79	28.93
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	9.73	9.15	12.46	24.99	23.47	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.01	16.69	15.04	18.95	18.99	29.96	30.00
5310MHz_TnomVnom	Pass	11.01	11.27	10.25	13.80	18.99	24.81	30.00
5510MHz_TnomVnom	Pass	11.01	9.19	9.21	12.21	18.99	23.22	30.00
5550MHz_TnomVnom	Pass	11.01	16.21	15.26	18.77	18.99	29.78	30.00
5670MHz_TnomVnom	Pass	11.01	14.63	13.50	17.11	18.99	28.12	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	16.04	15.44	18.76	18.99	29.77	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	5.73	5.59	8.67	24.99	19.68	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.01	11.99	11.08	14.57	18.99	25.58	30.00
5530MHz_TnomVnom	Pass	11.01	12.84	12.66	15.76	18.99	26.77	30.00
5610MHz_TnomVnom	Pass	11.01	16.11	15.56	18.85	18.99	29.86	30.00



Average Power_Beamforming_Sample 2_Radio 3_Omni_2T1S Appendix B.23

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.01	16.05	15.67	18.87	18.99	29.88	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.01	2.45	1.88	5.18	24.99	16.19	36.00

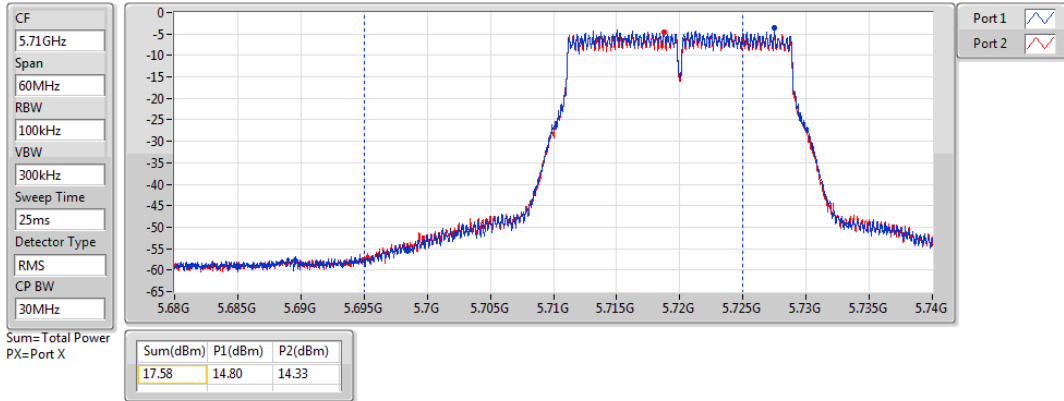
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

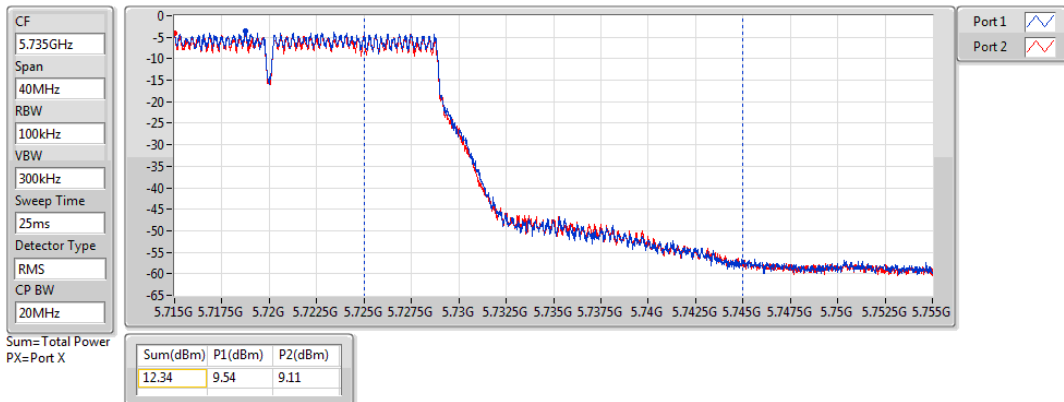


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

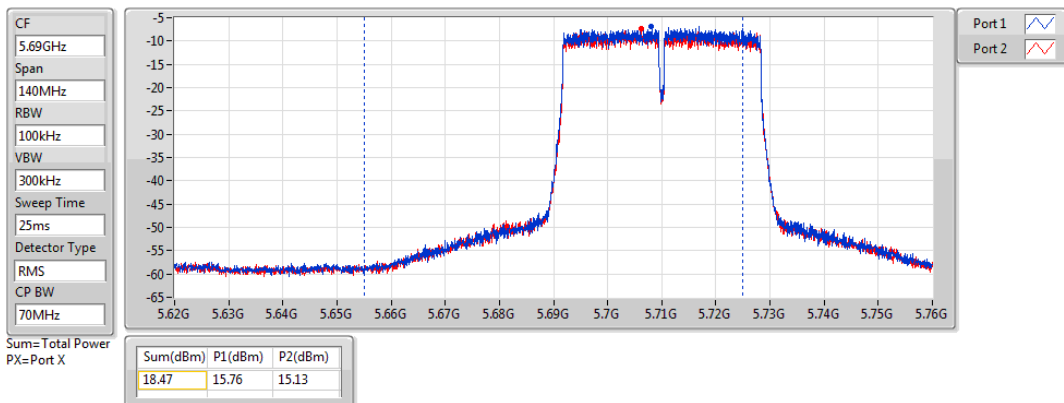


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

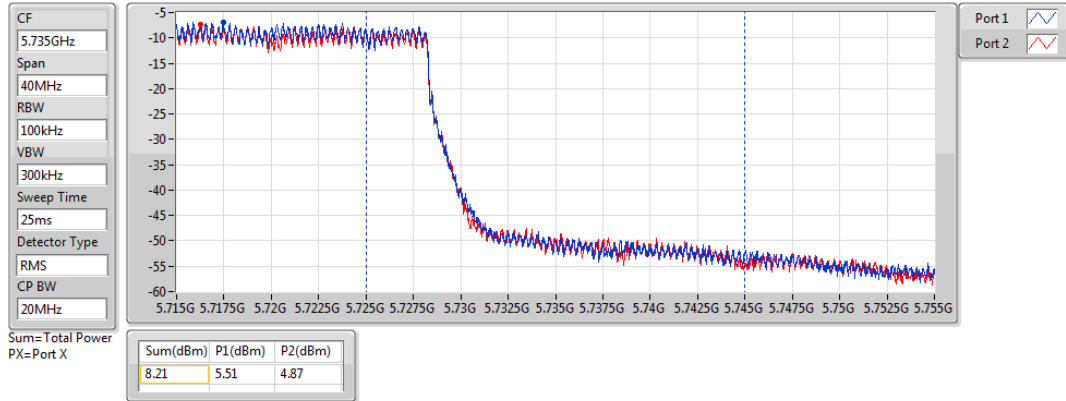


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

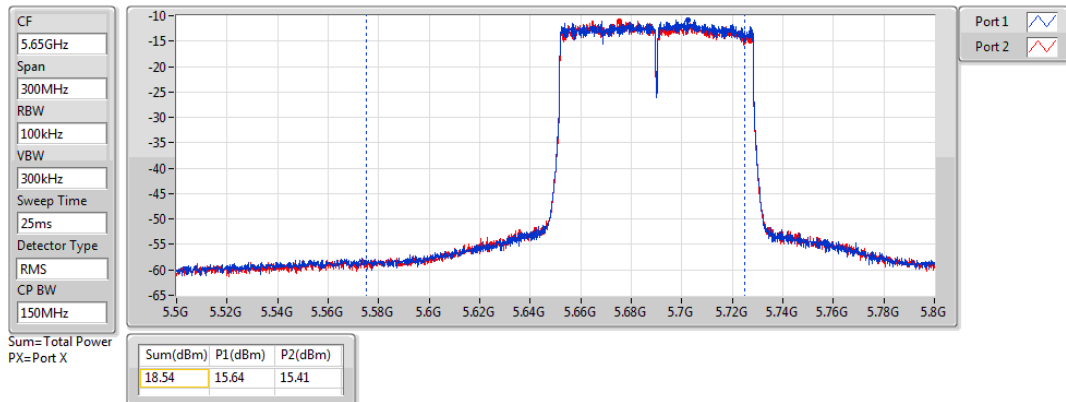


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

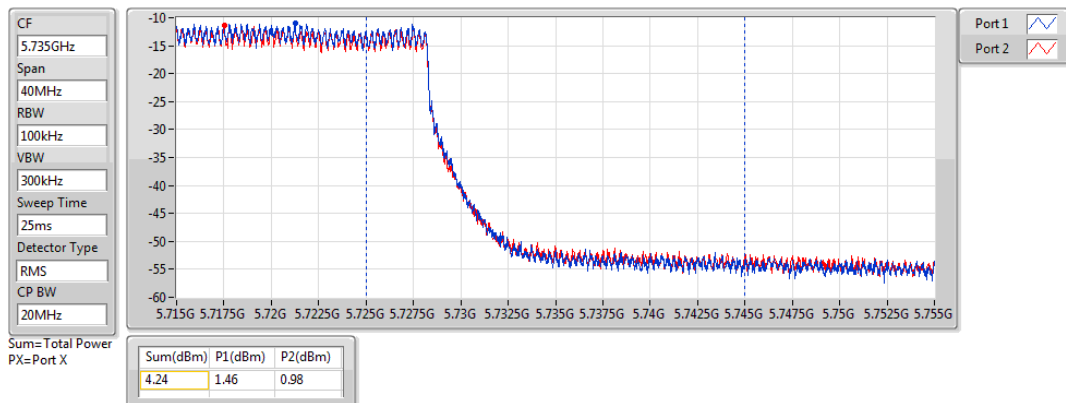


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

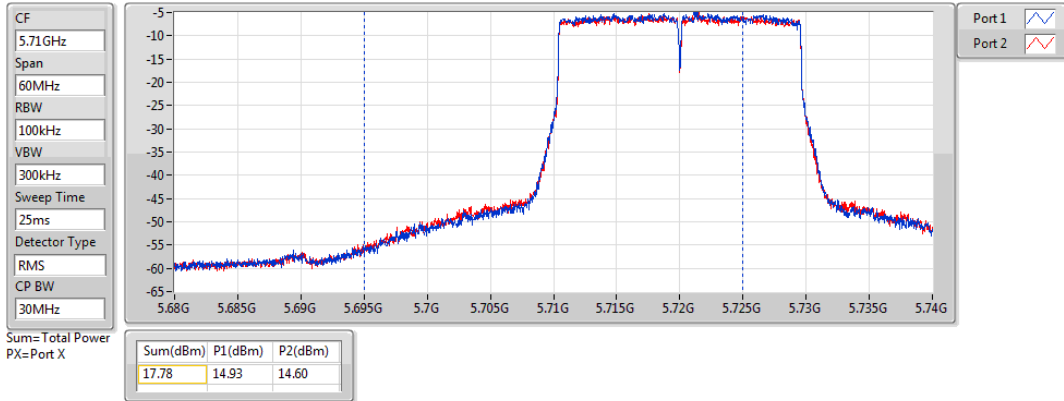


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

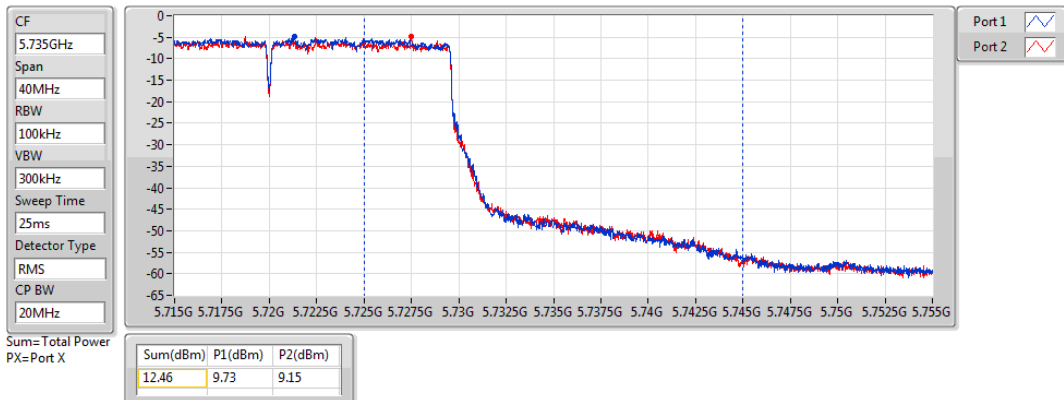


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

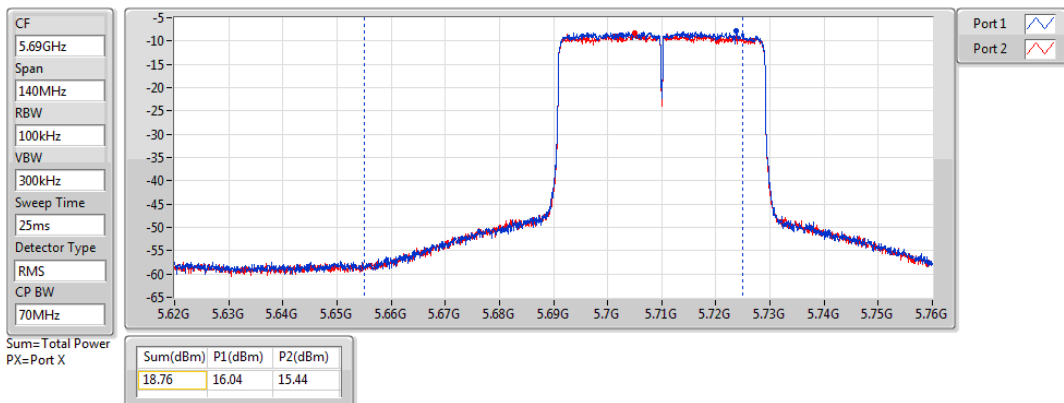


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

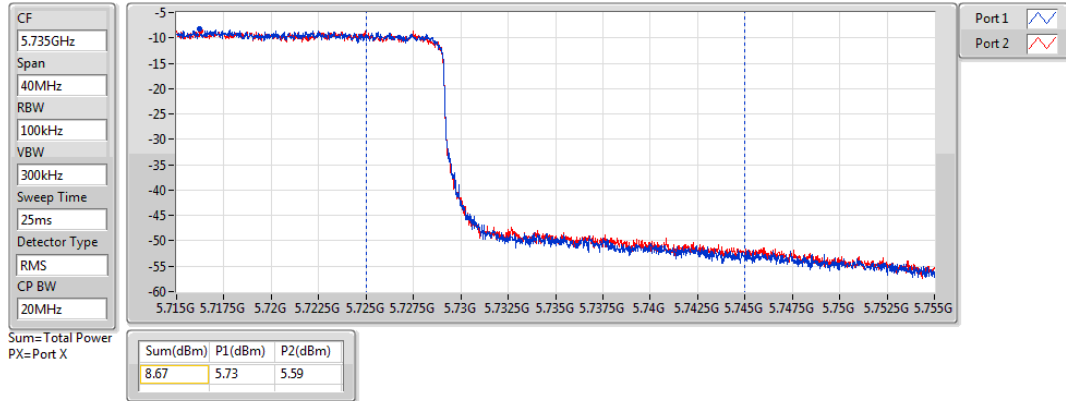


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

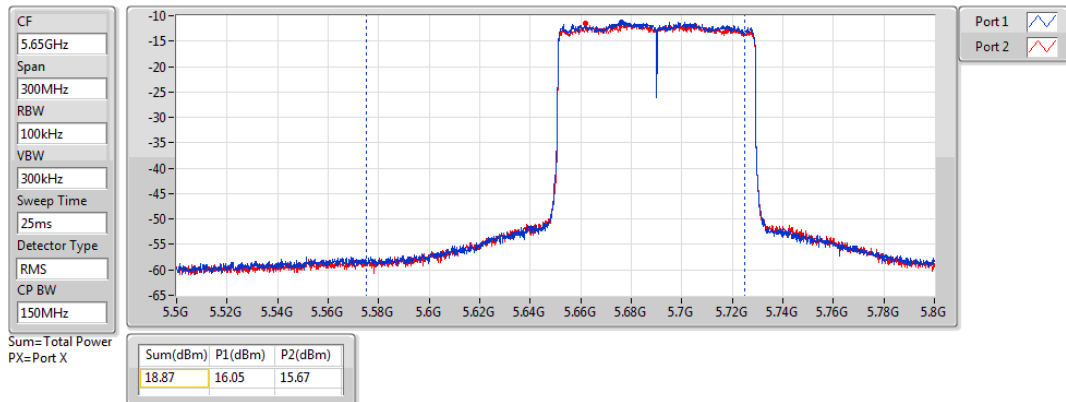


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

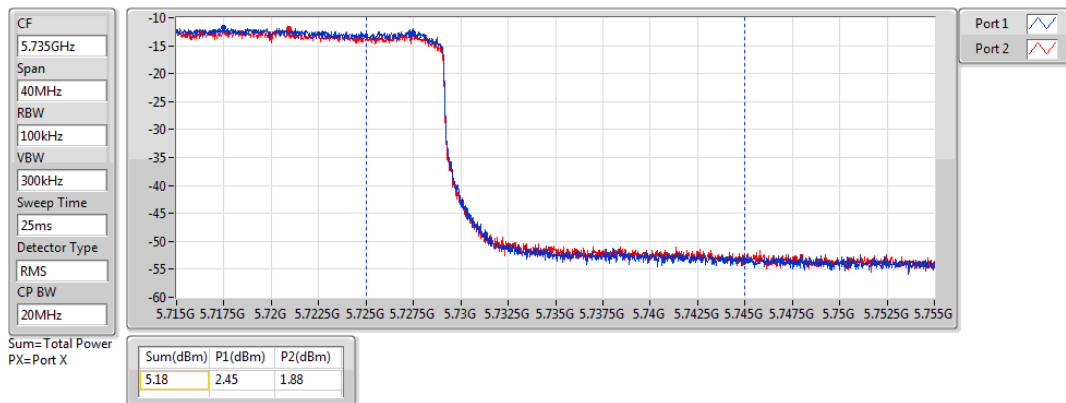


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019





Average Power Beamforming Sample 2 Radio 3 Panel 1 2T1S Appendix B.24

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	15.73	0.03741	29.44	0.87902
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	15.91	0.03899	29.62	0.91622
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	15.99	0.03972	29.70	0.93325
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.03	0.04009	29.74	0.94189
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.09	0.04064	29.80	0.95499
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.24	0.04207	29.95	0.98855
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	15.73	0.03741	29.44	0.87902
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	16.00	0.03981	29.71	0.93541
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	15.85	0.03846	29.56	0.90365
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.80	0.03802	29.51	0.89331
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.21	0.04178	29.92	0.98175
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.20	0.04169	29.91	0.97949
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.25	0.00841	22.96	0.19770
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	5.47	0.00352	19.18	0.08279
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	1.52	0.00142	15.23	0.03334
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	9.77	0.00948	23.48	0.22284
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.19	0.00416	19.90	0.09772
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	2.41	0.00174	16.12	0.04093

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	13.71	13.10	12.22	15.69	16.29	29.40	30.00
5300MHz_TnomVnom	Pass	13.71	13.00	11.69	15.40	16.29	29.11	30.00
5320MHz_TnomVnom	Pass	13.71	13.39	11.93	15.73	16.29	29.44	30.00
5500MHz_TnomVnom	Pass	13.71	12.52	12.92	15.73	16.29	29.44	30.00
5580MHz_TnomVnom	Pass	13.71	12.50	12.20	15.36	16.29	29.07	30.00
5700MHz_TnomVnom	Pass	13.71	12.43	12.48	15.47	16.29	29.18	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	12.20	11.77	15.00	15.25	28.71	28.96
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	6.47	6.00	9.25	22.29	22.96	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	13.71	13.22	12.25	15.77	16.29	29.48	30.00
5310MHz_TnomVnom	Pass	13.71	12.88	12.92	15.91	16.29	29.62	30.00
5510MHz_TnomVnom	Pass	13.71	13.20	12.77	16.00	16.29	29.71	30.00
5550MHz_TnomVnom	Pass	13.71	13.22	12.42	15.85	16.29	29.56	30.00
5670MHz_TnomVnom	Pass	13.71	12.26	12.51	15.40	16.29	29.11	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	12.98	12.90	15.95	16.29	29.66	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	2.48	2.43	5.47	22.29	19.18	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	13.71	12.48	13.42	15.99	16.29	29.70	30.00
5530MHz_TnomVnom	Pass	13.71	12.60	11.92	15.28	16.29	28.99	30.00
5610MHz_TnomVnom	Pass	13.71	12.66	12.09	15.39	16.29	29.10	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	13.11	12.56	15.85	16.29	29.56	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	-1.12	-1.89	1.52	22.29	15.23	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	13.71	13.36	12.66	16.03	16.29	29.74	30.00
5300MHz_TnomVnom	Pass	13.71	13.20	12.40	15.83	16.29	29.54	30.00
5320MHz_TnomVnom	Pass	13.71	13.38	12.30	15.88	16.29	29.59	30.00
5500MHz_TnomVnom	Pass	13.71	13.13	12.42	15.80	16.29	29.51	30.00
5580MHz_TnomVnom	Pass	13.71	13.16	12.16	15.70	16.29	29.41	30.00
5700MHz_TnomVnom	Pass	13.71	12.94	12.18	15.59	16.29	29.30	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	12.31	11.93	15.13	15.24	28.84	28.95
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	6.99	6.52	9.77	22.29	23.48	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	13.71	13.83	12.08	16.05	16.29	29.76	30.00
5310MHz_TnomVnom	Pass	13.71	13.58	12.51	16.09	16.29	29.80	30.00
5510MHz_TnomVnom	Pass	13.71	13.35	12.67	16.03	16.29	29.74	30.00
5550MHz_TnomVnom	Pass	13.71	13.58	12.70	16.17	16.29	29.88	30.00
5670MHz_TnomVnom	Pass	13.71	13.22	13.18	16.21	16.29	29.92	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	13.07	12.99	16.04	16.29	29.75	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	3.30	3.06	6.19	22.29	19.90	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	13.71	13.30	13.15	16.24	16.29	29.95	30.00
5530MHz_TnomVnom	Pass	13.71	13.25	12.20	15.77	16.29	29.48	30.00
5610MHz_TnomVnom	Pass	13.71	13.95	12.27	16.20	16.29	29.91	30.00



Average Power Beamforming Sample 2 Radio 3 Panel 1 2T1S Appendix B.24

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	13.71	13.30	12.86	16.10	16.29	29.81	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	13.71	-0.29	-0.93	2.41	22.29	16.12	36.00

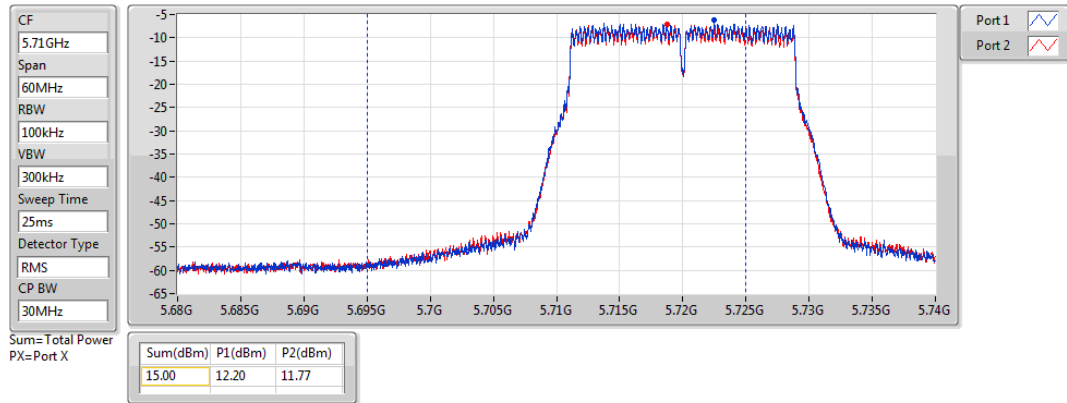
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

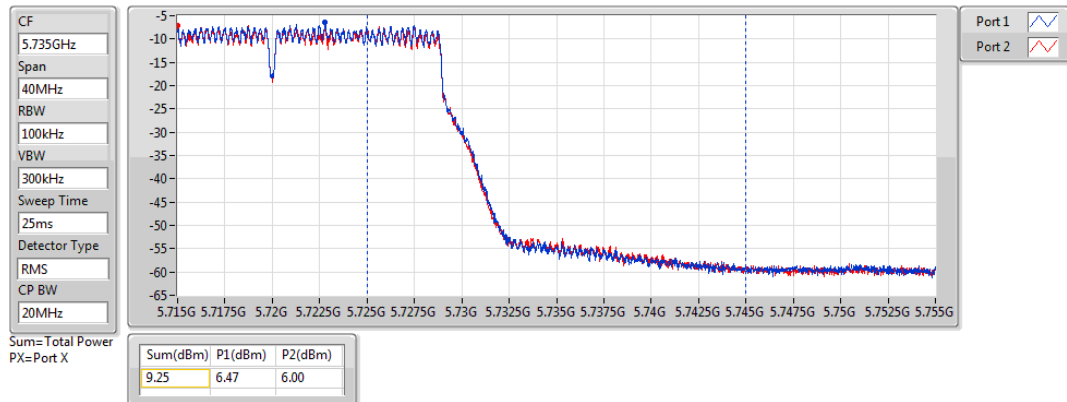


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

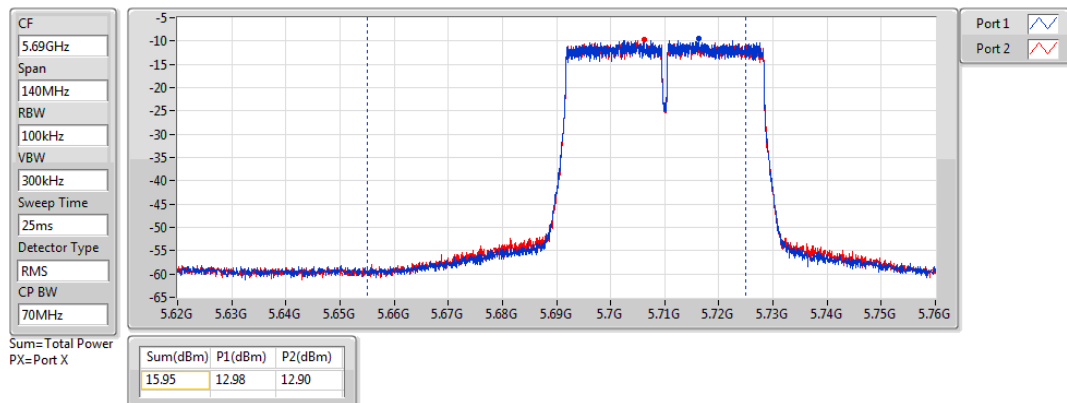


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

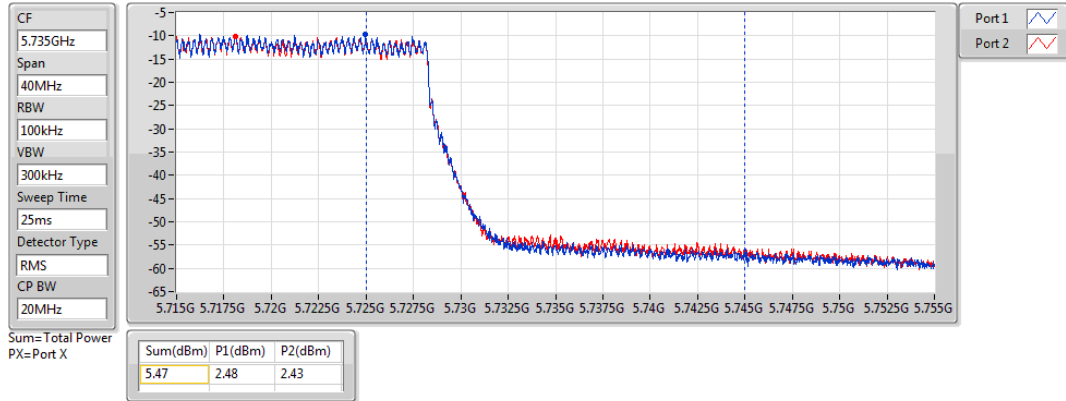


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

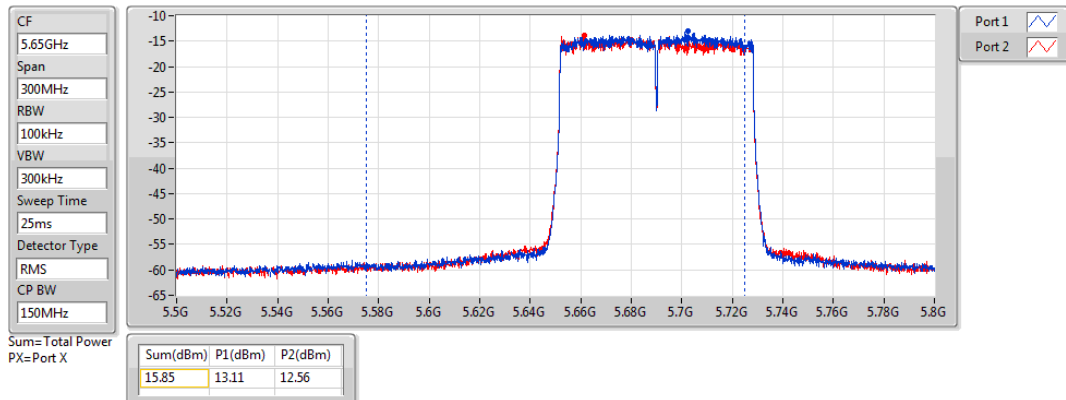


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

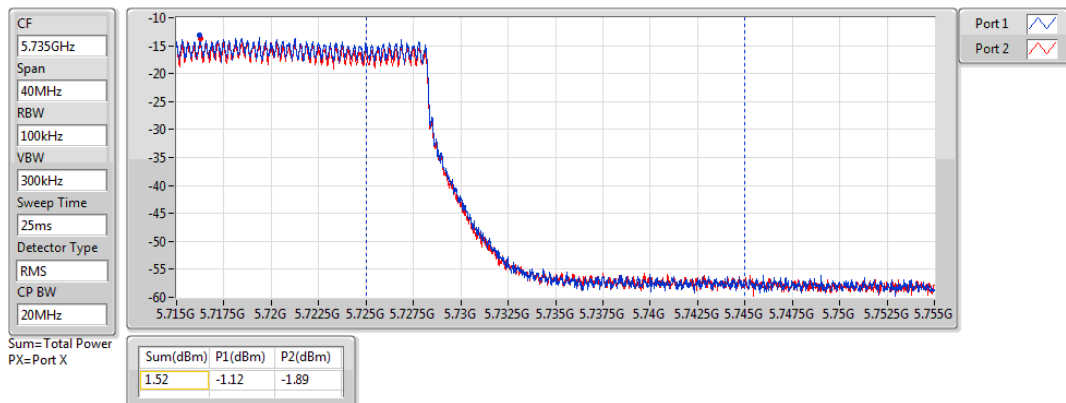


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

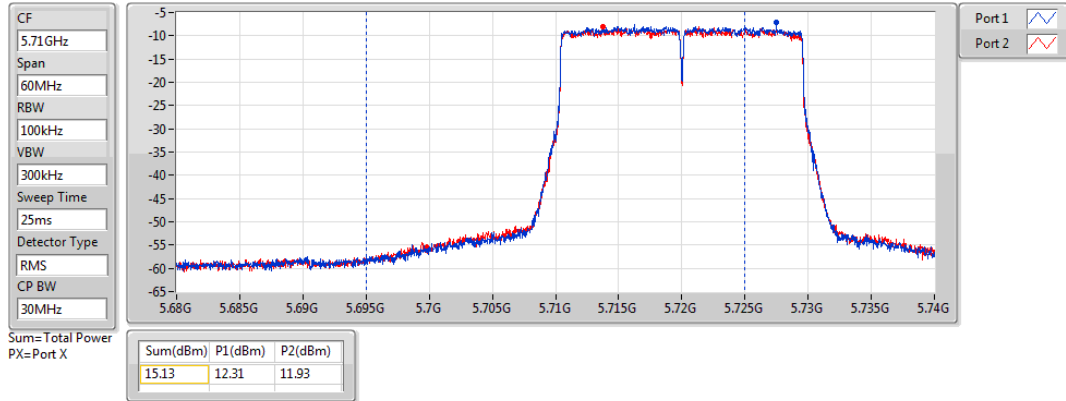


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

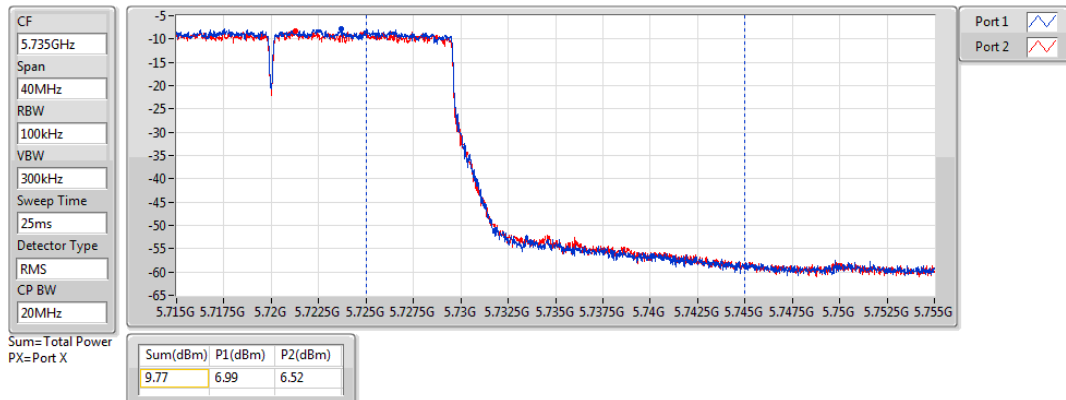


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

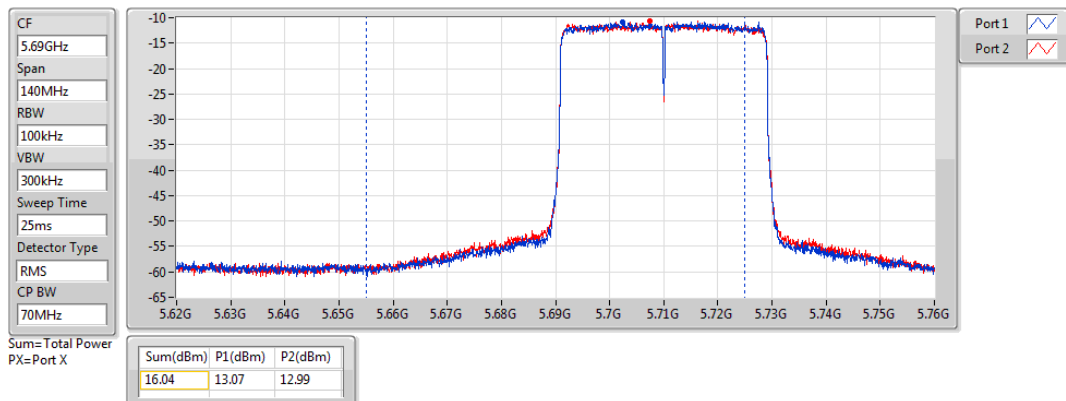


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

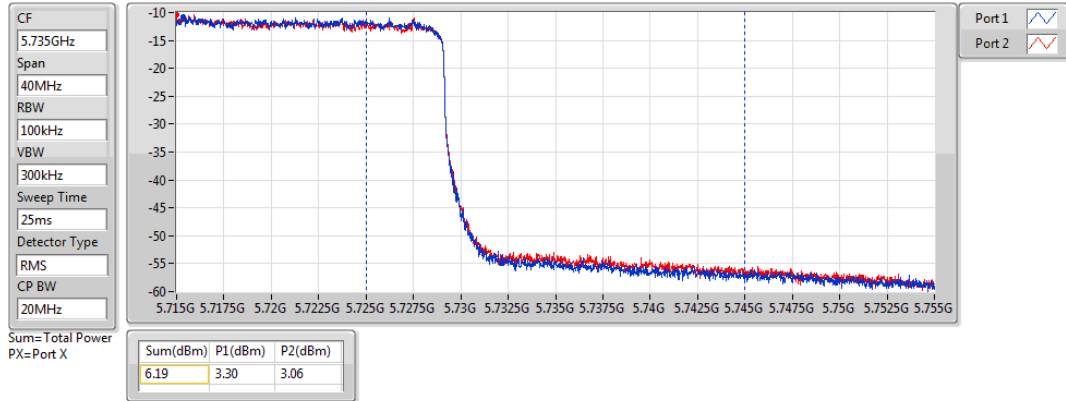


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

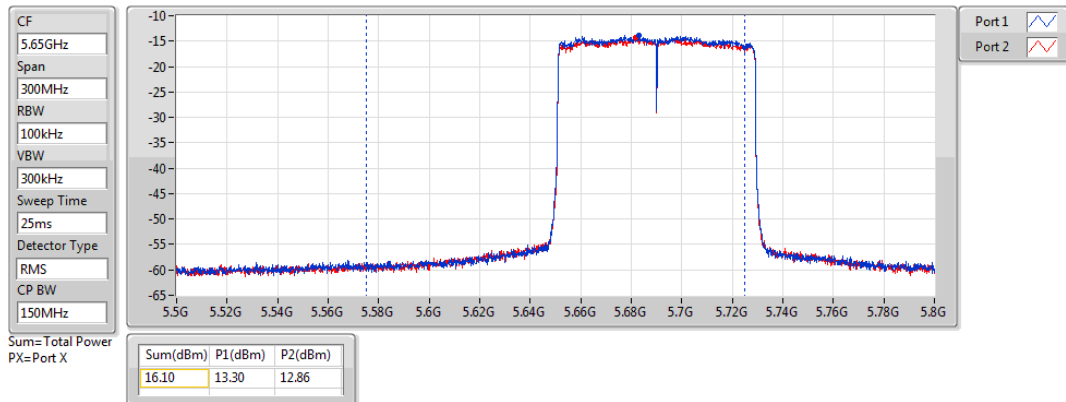


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

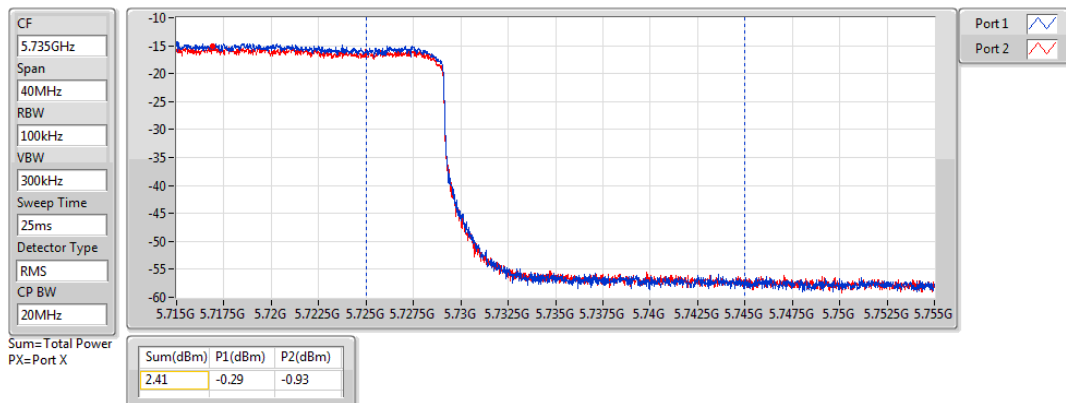


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss1,(MCS0)_1TX	-4.97	0.61
802.11ax HEW160_Nss1,(MCS0)_1TX	-4.82	0.76
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.62	16.20
802.11ac VHT20_Nss1,(MCS0)_1TX	10.15	15.73
802.11ac VHT40_Nss1,(MCS0)_1TX	7.31	12.89
802.11ac VHT80_Nss1,(MCS0)_1TX	3.64	9.22
802.11ac VHT160_Nss1,(MCS0)_1TX	-6.15	-0.57
802.11ax HEW20_Nss1,(MCS0)_1TX	9.95	15.53
802.11ax HEW40_Nss1,(MCS0)_1TX	7.33	12.91
802.11ax HEW80_Nss1,(MCS0)_1TX	3.79	9.37
802.11ax HEW160_Nss1,(MCS0)_1TX	-5.77	-0.19
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.47	16.05
802.11ac VHT20_Nss1,(MCS0)_1TX	9.98	15.56
802.11ac VHT40_Nss1,(MCS0)_1TX	7.22	12.80
802.11ac VHT80_Nss1,(MCS0)_1TX	3.65	9.23
802.11ac VHT160_Nss1,(MCS0)_1TX	-4.47	1.11
802.11ax HEW20_Nss1,(MCS0)_1TX	9.72	15.30
802.11ax HEW40_Nss1,(MCS0)_1TX	7.47	13.05
802.11ax HEW80_Nss1,(MCS0)_1TX	3.72	9.30
802.11ax HEW160_Nss1,(MCS0)_1TX	-4.38	1.20
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.83	14.41
802.11ac VHT20_Nss1,(MCS0)_1TX	8.05	13.63
802.11ac VHT40_Nss1,(MCS0)_1TX	5.30	10.88
802.11ac VHT80_Nss1,(MCS0)_1TX	0.99	6.57
802.11ax HEW20_Nss1,(MCS0)_1TX	7.88	13.46
802.11ax HEW40_Nss1,(MCS0)_1TX	5.87	11.45
802.11ax HEW80_Nss1,(MCS0)_1TX	1.63	7.21

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	5.58	10.48	10.48	11.00	16.06	17.00
5300MHz	Pass	5.58	10.62	10.62	11.00	16.20	17.00
5320MHz	Pass	5.58	10.24	10.24	11.00	15.82	17.00
5500MHz	Pass	5.58	6.48	6.48	11.00	12.06	17.00
5580MHz	Pass	5.58	10.47	10.47	11.00	16.05	17.00
5700MHz	Pass	5.58	6.74	6.74	11.00	12.32	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.58	10.46	10.46	11.00	16.04	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.58	8.83	8.83	30.00	14.41	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	5.58	10.15	10.15	11.00	15.73	17.00
5300MHz	Pass	5.58	10.11	10.11	11.00	15.69	17.00
5320MHz	Pass	5.58	9.44	9.44	11.00	15.02	17.00
5500MHz	Pass	5.58	8.52	8.52	11.00	14.10	17.00
5580MHz	Pass	5.58	9.98	9.98	11.00	15.56	17.00
5700MHz	Pass	5.58	3.83	3.83	11.00	9.41	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.58	9.73	9.73	11.00	15.31	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.58	8.05	8.05	30.00	13.63	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	5.58	7.31	7.31	11.00	12.89	17.00
5310MHz	Pass	5.58	5.16	5.16	11.00	10.74	17.00
5510MHz	Pass	5.58	3.15	3.15	11.00	8.73	17.00
5550MHz	Pass	5.58	5.08	5.08	11.00	10.66	17.00
5670MHz	Pass	5.58	4.79	4.79	11.00	10.37	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.58	7.22	7.22	11.00	12.80	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.58	5.30	5.30	30.00	10.88	36.00
802.11ac_VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	5.58	3.64	3.64	11.00	9.22	17.00
5530MHz	Pass	5.58	0.95	0.95	11.00	6.53	17.00
5610MHz	Pass	5.58	3.65	3.65	11.00	9.23	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.58	2.99	2.99	11.00	8.57	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.58	0.99	0.99	30.00	6.57	36.00
802.11ac_VHT160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.58	-4.97	-4.97	17.00	0.61	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.58	-6.15	-6.15	11.00	-0.57	17.00
5570MHz	Pass	5.58	-4.47	-4.47	11.00	1.11	17.00
802.11ax_HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	5.58	9.89	9.89	11.00	15.47	17.00
5300MHz	Pass	5.58	9.95	9.95	11.00	15.53	17.00
5320MHz	Pass	5.58	9.33	9.33	11.00	14.91	17.00
5500MHz	Pass	5.58	8.52	8.52	11.00	14.10	17.00
5580MHz	Pass	5.58	9.72	9.72	11.00	15.30	17.00
5700MHz	Pass	5.58	3.80	3.80	11.00	9.38	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.58	9.55	9.55	11.00	15.13	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5720MHz Straddle 5.725-5.85GHz	Pass	5.58	7.88	7.88	30.00	13.46	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	5.58	7.33	7.33	11.00	12.91	17.00
5310MHz	Pass	5.58	5.27	5.27	11.00	10.85	17.00
5510MHz	Pass	5.58	3.19	3.19	11.00	8.77	17.00
5550MHz	Pass	5.58	5.89	5.89	11.00	11.47	17.00
5670MHz	Pass	5.58	5.19	5.19	11.00	10.77	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.58	7.47	7.47	11.00	13.05	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.58	5.87	5.87	30.00	11.45	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	5.58	3.79	3.79	11.00	9.37	17.00
5530MHz	Pass	5.58	0.99	0.99	11.00	6.57	17.00
5610MHz	Pass	5.58	3.72	3.72	11.00	9.30	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.58	3.34	3.34	11.00	8.92	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.58	1.63	1.63	30.00	7.21	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.58	-4.82	-4.82	17.00	0.76	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.58	-5.77	-5.77	11.00	-0.19	17.00
5570MHz	Pass	5.58	-4.38	-4.38	11.00	1.20	17.00

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

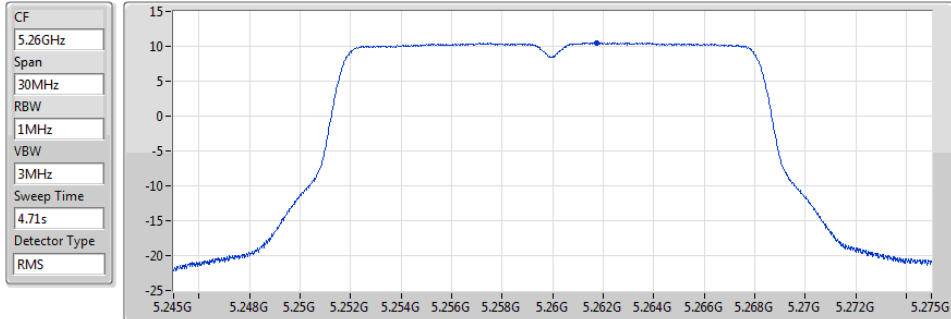
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5260MHz

12/11/2019



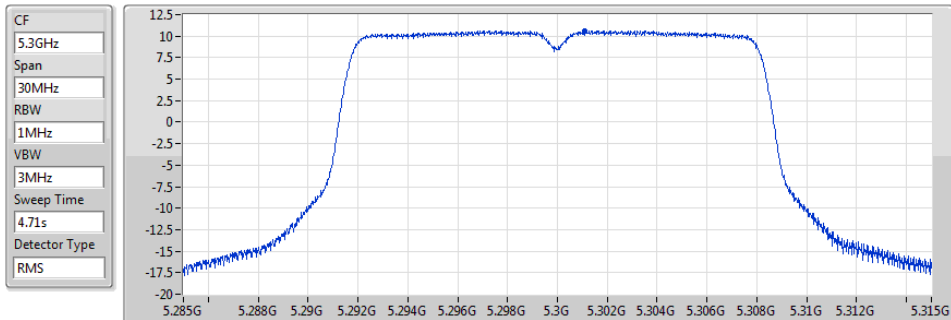
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.48	10.48	10.48

802.11a_Nss1,(6Mbps)_1TX

PSD

5300MHz

12/11/2019



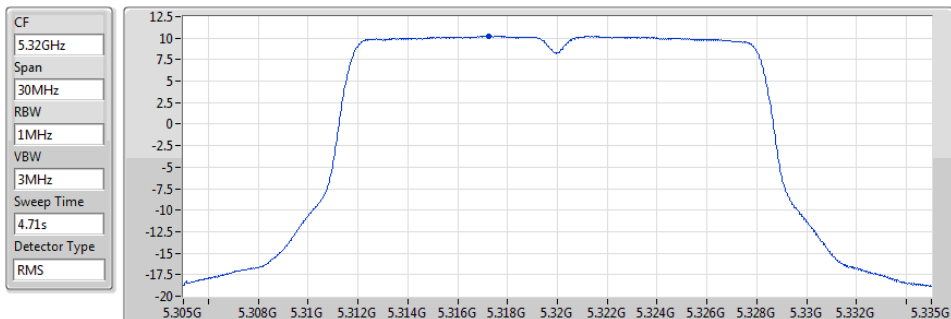
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.62	10.62	10.62

802.11a_Nss1,(6Mbps)_1TX

PSD

5320MHz

12/11/2019



Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.24	10.24	10.24

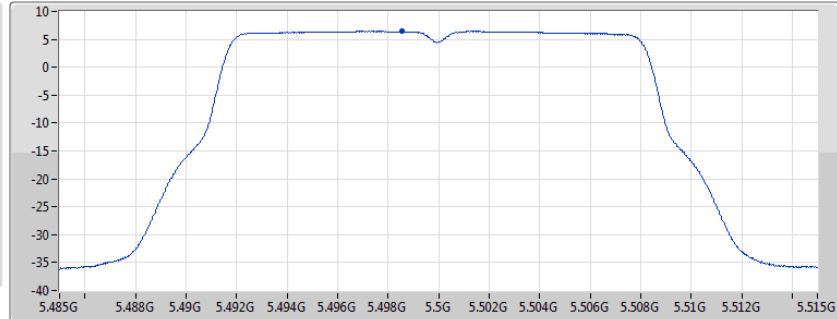
802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

12/11/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

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

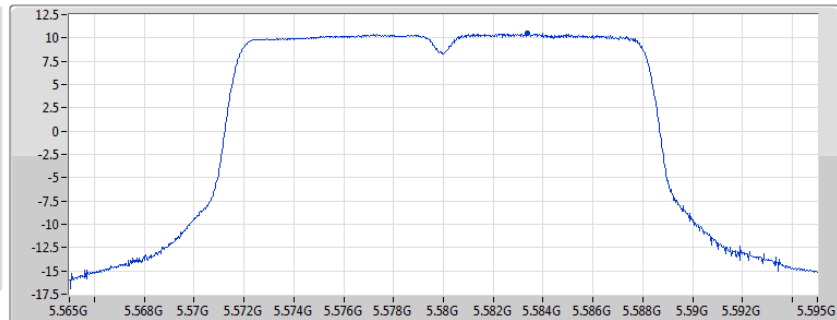
802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

12/11/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	10.47

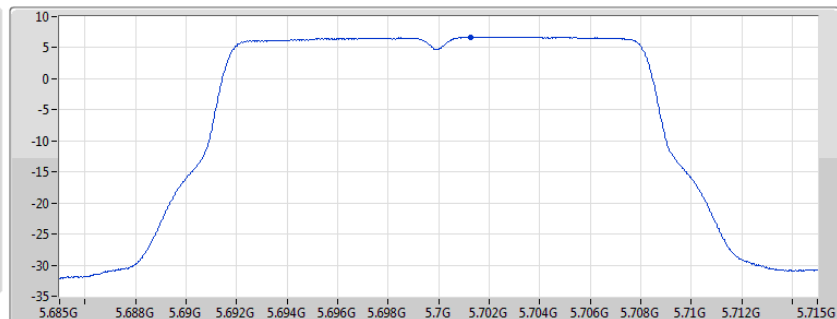
802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

12/11/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

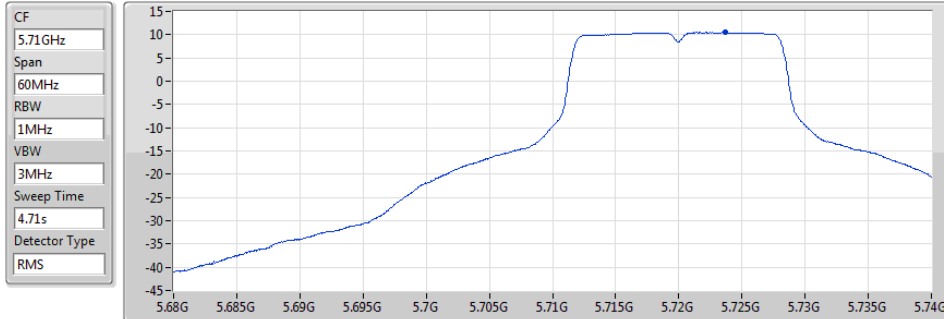
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.74	6.74	6.74

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

12/11/2019



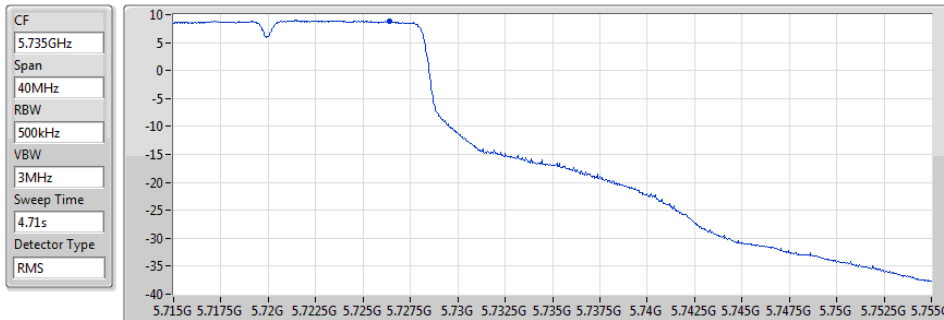
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.46	10.46	10.46

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

12/11/2019



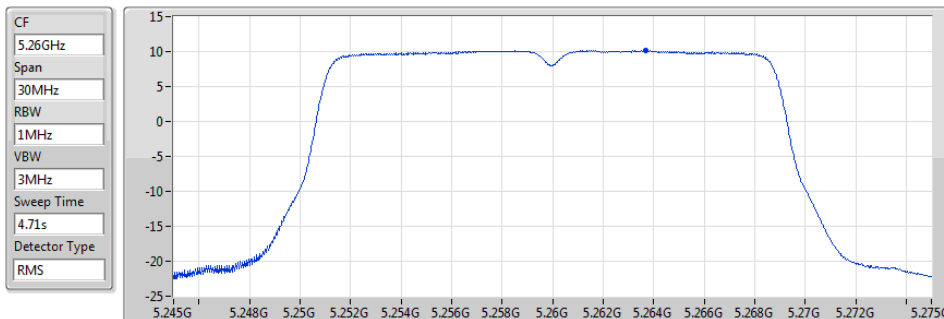
Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
8.83	8.83	8.83

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5260MHz

12/11/2019



Sum	PD	Port1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.15	10.15	10.15

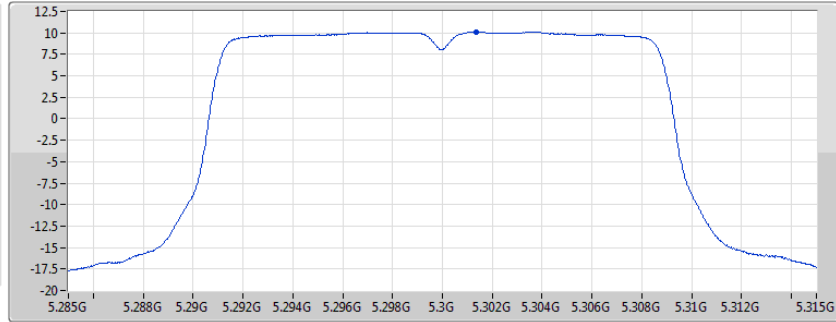
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5300MHz

12/11/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.11	10.11	10.11

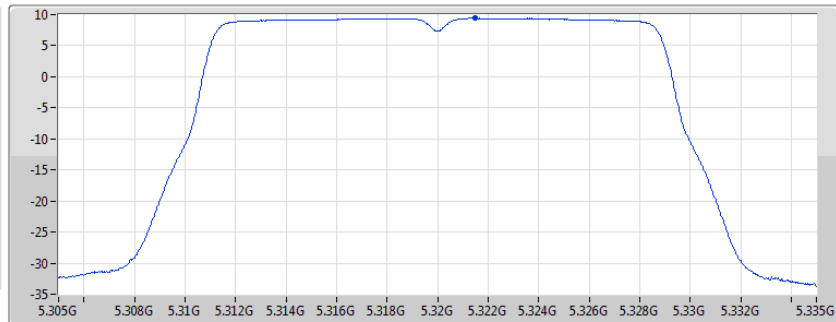
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5320MHz

16/12/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.44	9.44	9.44

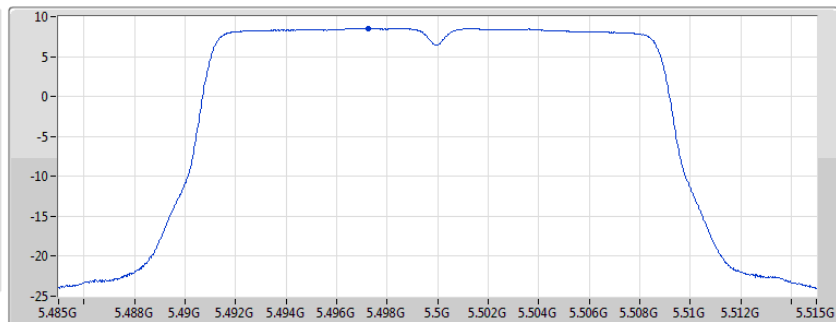
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5500MHz

12/11/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

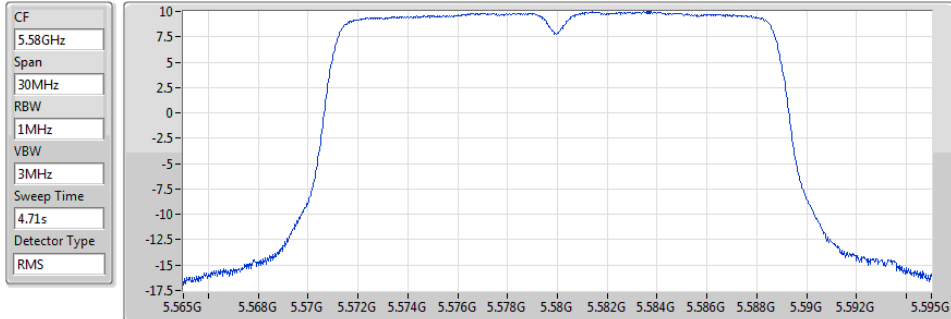
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.52	8.52	8.52

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5580MHz

12/11/2019



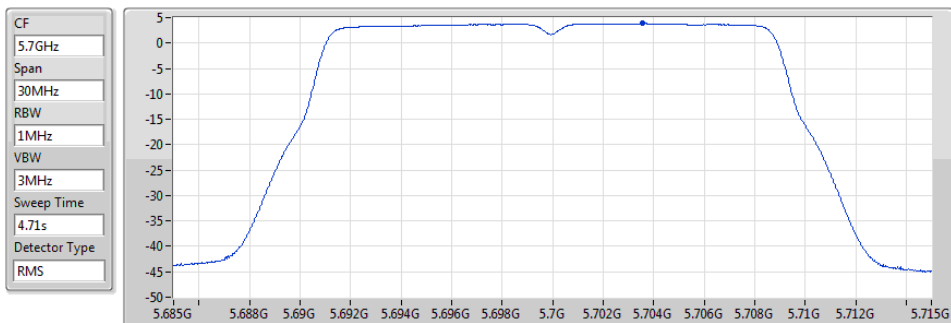
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.98	9.98	9.98

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5700MHz

12/11/2019



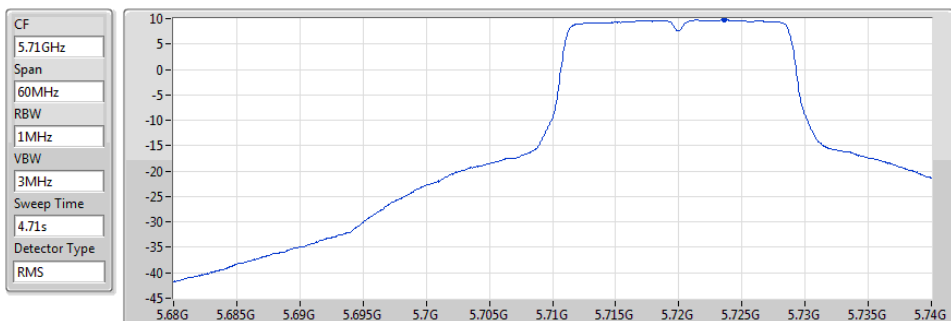
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	3.83

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

12/11/2019



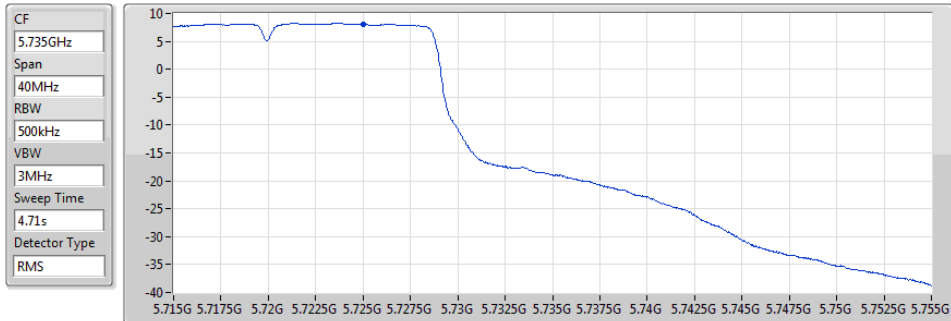
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.73	9.73	9.73

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

12/11/2019



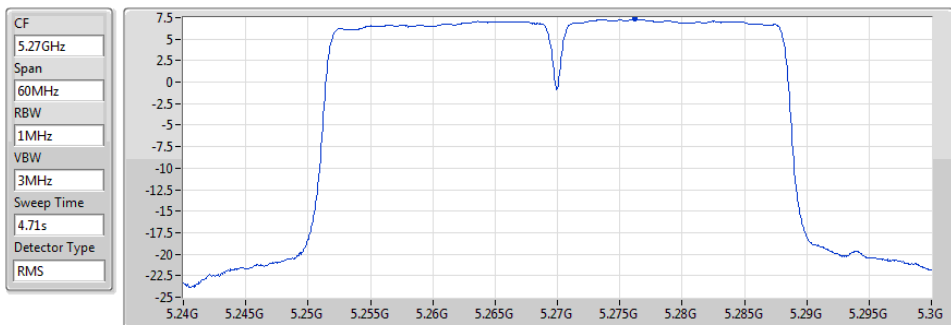
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05	8.05

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5270MHz

12/11/2019



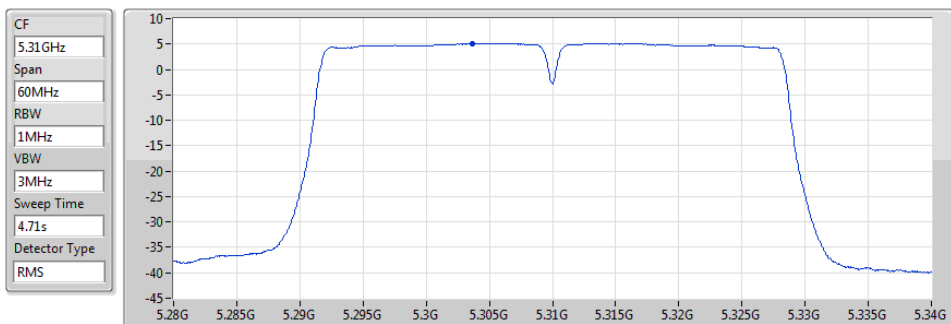
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.31	7.31	7.31

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5310MHz

16/12/2019



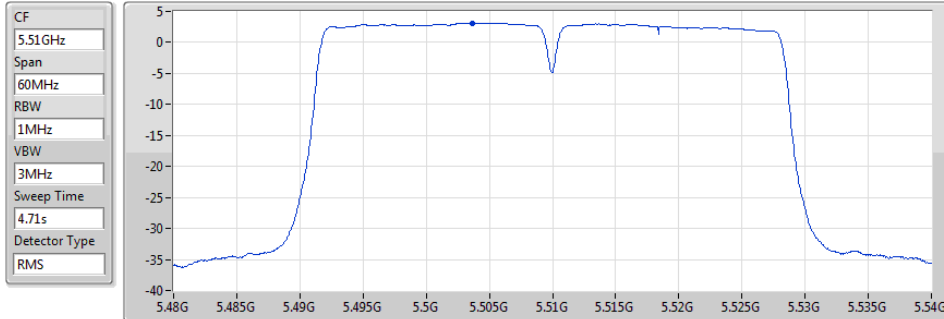
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	5.16

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5510MHz

12/11/2019



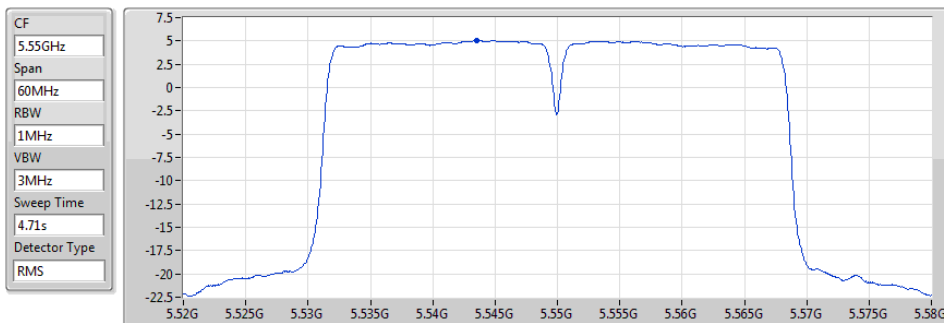
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	3.15

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5550MHz

12/11/2019



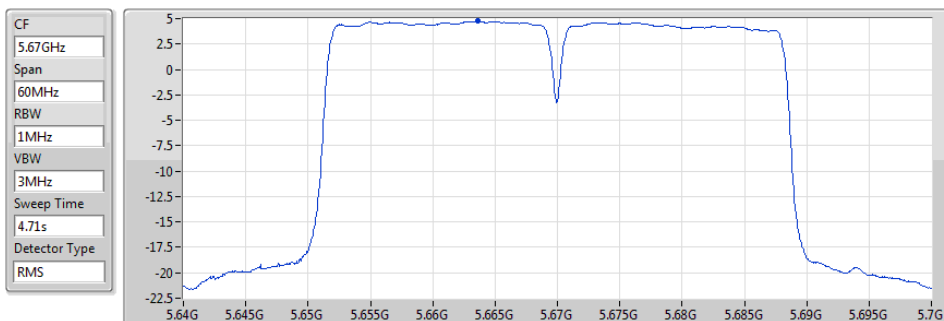
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.08	5.08	5.08

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5670MHz

12/11/2019



Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.79	4.79	4.79