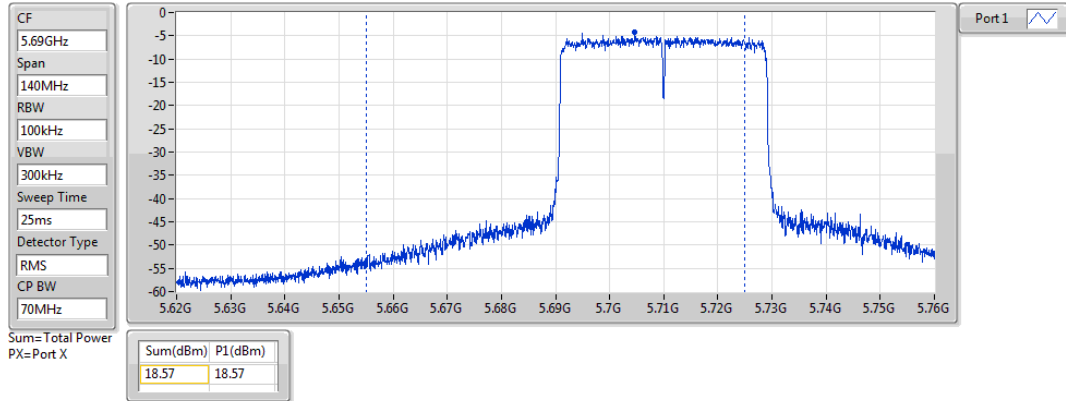


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

29/11/2019

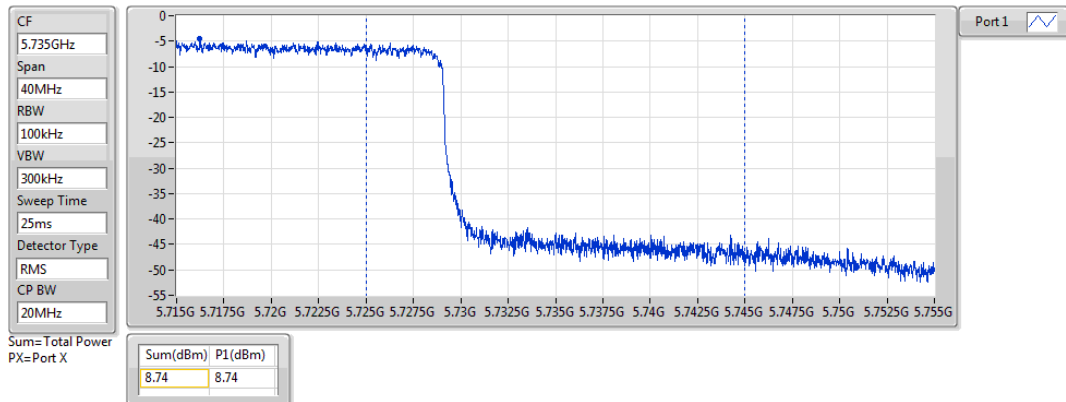


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

29/11/2019

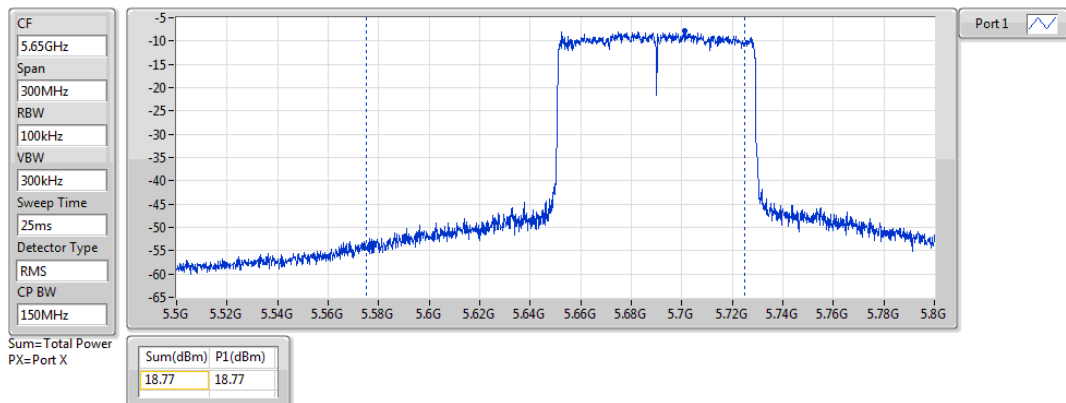


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

29/11/2019

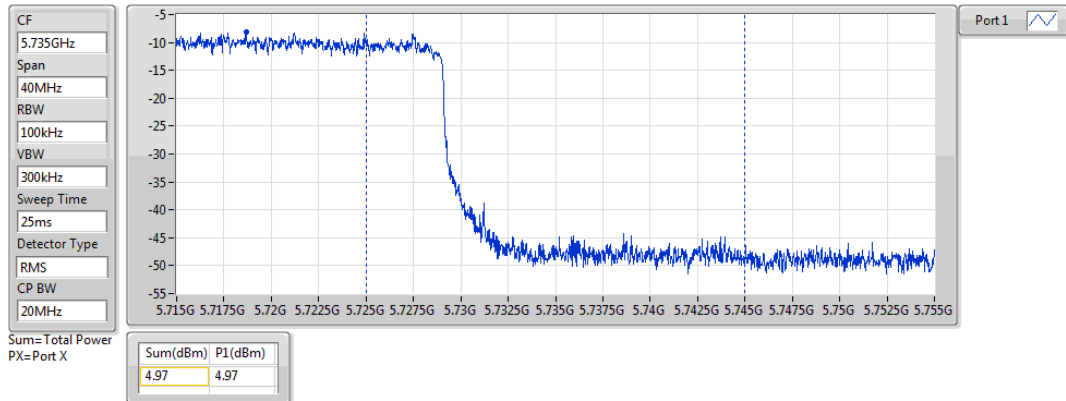


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

29/11/2019

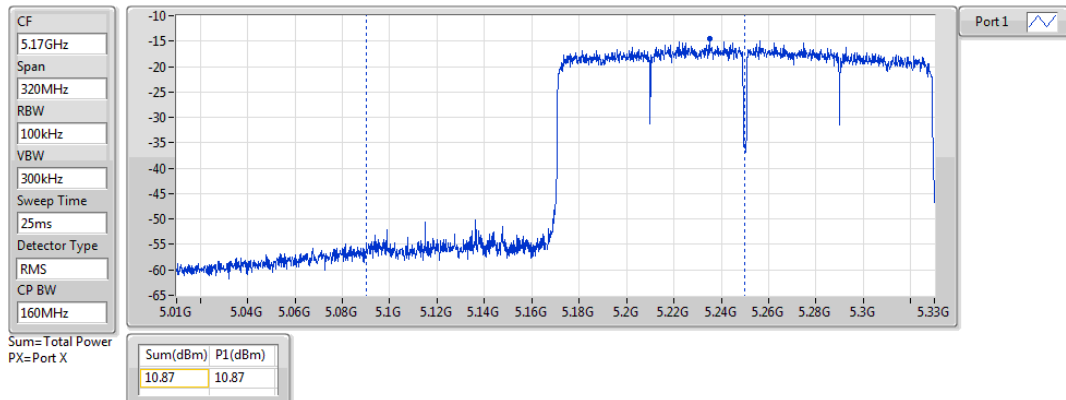


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019

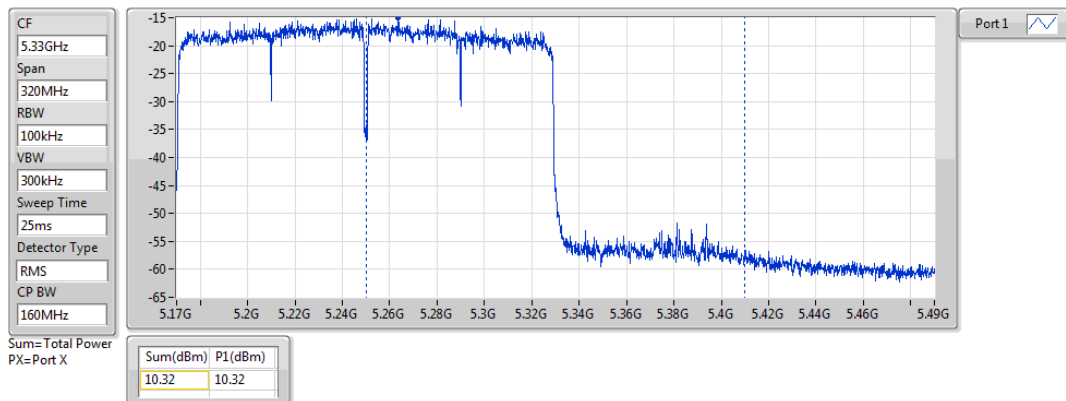


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160_Nss2,(MCS0)_2TX	9.06	0.00805	19.76	0.09462
802.11ax HEW160_Nss2,(MCS0)_2TX	9.32	0.00855	20.02	0.10046
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.39	0.04355	27.09	0.51168
802.11ac VHT20_Nss2,(MCS0)_2TX	18.56	0.07178	29.26	0.84333
802.11ac VHT40_Nss2,(MCS0)_2TX	18.37	0.06871	29.07	0.80724
802.11ac VHT80_Nss2,(MCS0)_2TX	18.08	0.06427	28.78	0.75509
802.11ac VHT160_Nss2,(MCS0)_2TX	9.24	0.00839	19.94	0.09863
802.11ax HEW20_Nss2,(MCS0)_2TX	18.76	0.07516	29.46	0.88308
802.11ax HEW40_Nss2,(MCS0)_2TX	18.63	0.07295	29.33	0.85704
802.11ax HEW80_Nss2,(MCS0)_2TX	18.22	0.06637	28.92	0.77983
802.11ax HEW160_Nss2,(MCS0)_2TX	9.55	0.00902	20.25	0.10593
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.55	0.04519	27.25	0.53088
802.11ac VHT20_Nss2,(MCS0)_2TX	18.43	0.06966	29.13	0.81846
802.11ac VHT40_Nss2,(MCS0)_2TX	18.55	0.07161	29.25	0.84140
802.11ac VHT80_Nss2,(MCS0)_2TX	18.55	0.07161	29.25	0.84140
802.11ac VHT160_Nss2,(MCS0)_2TX	13.80	0.02399	24.50	0.28184
802.11ax HEW20_Nss2,(MCS0)_2TX	18.73	0.07464	29.43	0.87700
802.11ax HEW40_Nss2,(MCS0)_2TX	18.78	0.07551	29.48	0.88716
802.11ax HEW80_Nss2,(MCS0)_2TX	18.78	0.07551	29.48	0.88716
802.11ax HEW160_Nss2,(MCS0)_2TX	14.01	0.02518	24.71	0.29580
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	8.96	0.00787	19.66	0.09247
802.11ac VHT20_Nss2,(MCS0)_2TX	11.48	0.01406	22.18	0.16520
802.11ac VHT40_Nss2,(MCS0)_2TX	7.86	0.00611	18.56	0.07178
802.11ac VHT80_Nss2,(MCS0)_2TX	3.81	0.00240	14.51	0.02825
802.11ax HEW20_Nss2,(MCS0)_2TX	12.09	0.01618	22.79	0.19011
802.11ax HEW40_Nss2,(MCS0)_2TX	8.77	0.00753	19.47	0.08851
802.11ax HEW80_Nss2,(MCS0)_2TX	4.74	0.00298	15.44	0.03499

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	12.79	13.9	16.39	19.28	27.09	30.00
5300MHz	Pass	10.70	12.48	13.81	16.21	19.28	26.91	30.00
5320MHz	Pass	10.70	12.85	13.84	16.38	19.28	27.08	30.00
5500MHz	Pass	10.70	13.05	13.45	16.26	19.28	26.96	30.00
5580MHz	Pass	10.70	13.17	13.38	16.29	19.28	26.99	30.00
5700MHz	Pass	10.70	13.16	13.89	16.55	19.28	27.25	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	12.01	12.49	15.27	18.25	25.97	28.95
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	5.63	6.25	8.96	25.30	19.66	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	14.86	15.83	18.38	19.28	29.08	30.00
5300MHz	Pass	10.70	15.25	15.83	18.56	19.28	29.26	30.00
5320MHz	Pass	10.70	15.08	15.59	18.35	19.28	29.05	30.00
5500MHz	Pass	10.70	15.03	15.71	18.39	19.28	29.09	30.00
5580MHz	Pass	10.70	15.15	15.67	18.43	19.28	29.13	30.00
5700MHz	Pass	10.70	15.21	15.53	18.38	19.28	29.08	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	14.21	14.54	17.39	18.31	28.09	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	8.46	8.47	11.48	25.30	22.18	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.70	14.96	15.73	18.37	19.28	29.07	30.00
5310MHz	Pass	10.70	15.02	15.51	18.28	19.28	28.98	30.00
5510MHz	Pass	10.70	14.46	14.96	17.73	19.28	28.43	30.00
5550MHz	Pass	10.70	15.11	15.53	18.34	19.28	29.04	30.00
5670MHz	Pass	10.70	14.67	15.20	17.95	19.28	28.65	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	15.41	15.66	18.55	19.28	29.25	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	4.76	4.94	7.86	25.30	18.56	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.70	14.76	15.35	18.08	19.28	28.78	30.00
5530MHz	Pass	10.70	14.69	15.36	18.05	19.28	28.75	30.00
5610MHz	Pass	10.70	14.91	15.84	18.41	19.28	29.11	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	15.22	15.83	18.55	19.28	29.25	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	0.81	0.78	3.81	25.30	14.51	36.00
802.11ac VHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	10.70	6.08	6.01	9.06	25.30	19.76	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	10.70	5.98	6.46	9.24	19.28	19.94	30.00
5570MHz	Pass	10.70	10.48	11.08	13.80	19.28	24.50	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	15.04	15.93	18.52	19.28	29.22	30.00
5300MHz	Pass	10.70	15.41	16.07	18.76	19.28	29.46	30.00
5320MHz	Pass	10.70	15.05	16	18.56	19.28	29.26	30.00
5500MHz	Pass	10.70	15.38	15.96	18.69	19.28	29.39	30.00
5580MHz	Pass	10.70	15.47	15.96	18.73	19.28	29.43	30.00
5700MHz	Pass	10.70	15.55	15.69	18.63	19.28	29.33	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	14.43	14.58	17.52	18.27	28.22	28.97



Average Power_Non-Beamforming_Sample 2_Radio 2_Panel 1_2T2S Appendix B.12

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	9.12	9.03	12.09	25.30	22.79	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.70	15.24	15.96	18.63	19.28	29.33	30.00
5310MHz	Pass	10.70	15.14	15.91	18.55	19.28	29.25	30.00
5510MHz	Pass	10.70	14.65	15.23	17.96	19.28	28.66	30.00
5550MHz	Pass	10.70	15.22	15.93	18.60	19.28	29.30	30.00
5670MHz	Pass	10.70	14.94	15.48	18.23	19.28	28.93	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	15.66	15.87	18.78	19.28	29.48	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	5.79	5.72	8.77	25.30	19.47	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.70	14.93	15.47	18.22	19.28	28.92	30.00
5530MHz	Pass	10.70	15.06	15.49	18.29	19.28	28.99	30.00
5610MHz	Pass	10.70	15.13	16.06	18.63	19.28	29.33	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	15.44	16.07	18.78	19.28	29.48	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	1.78	1.67	4.74	25.30	15.44	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	10.70	6.44	6.18	9.32	25.30	20.02	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	10.70	6.32	6.75	9.55	19.28	20.25	30.00
5570MHz	Pass	10.70	10.55	11.41	14.01	19.28	24.71	30.00

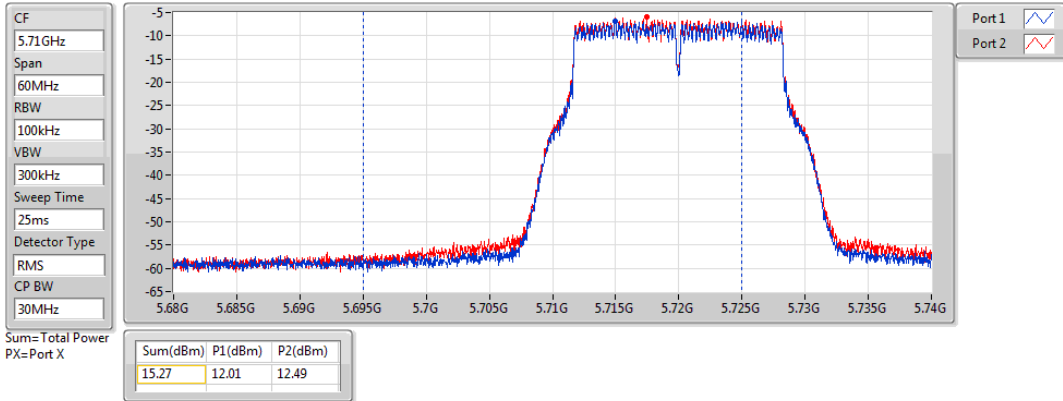
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

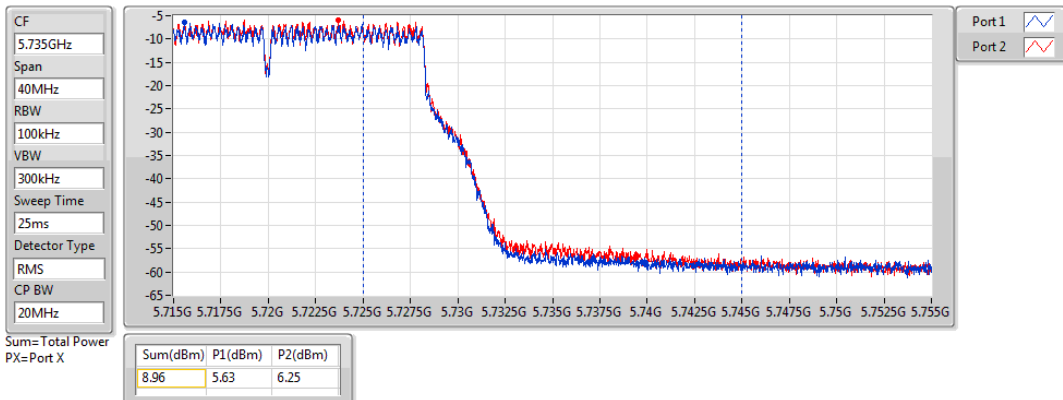


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

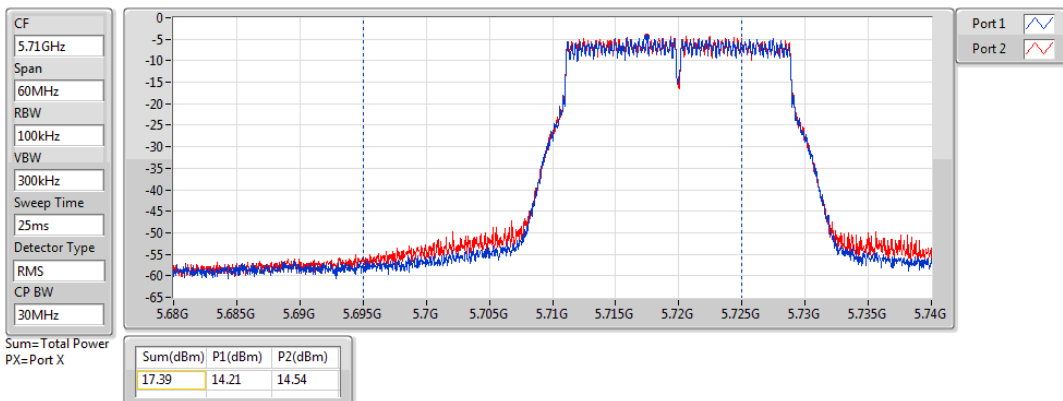


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

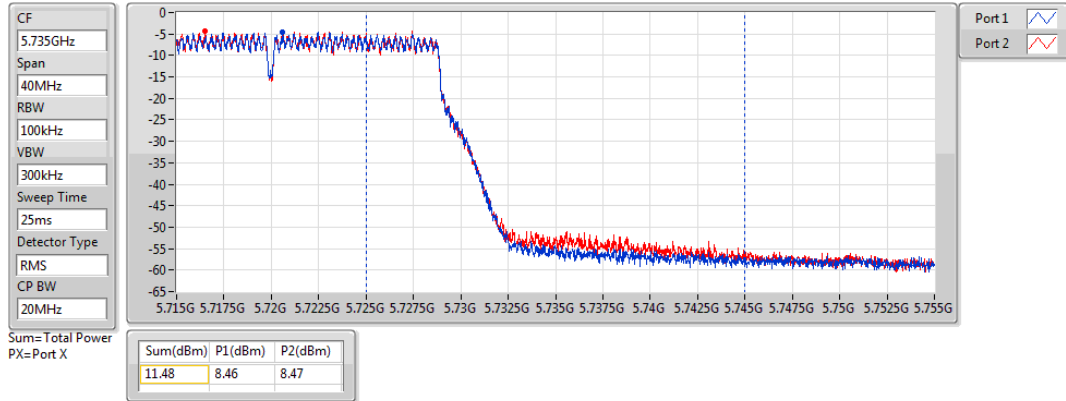


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

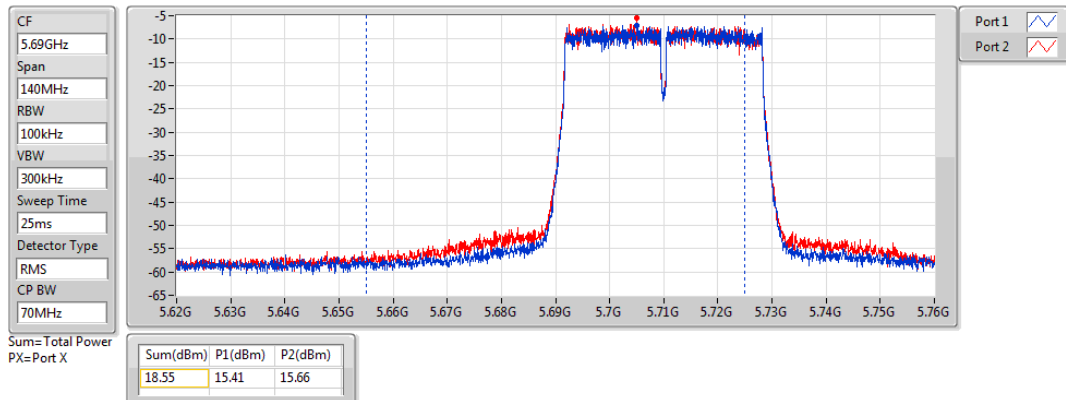


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

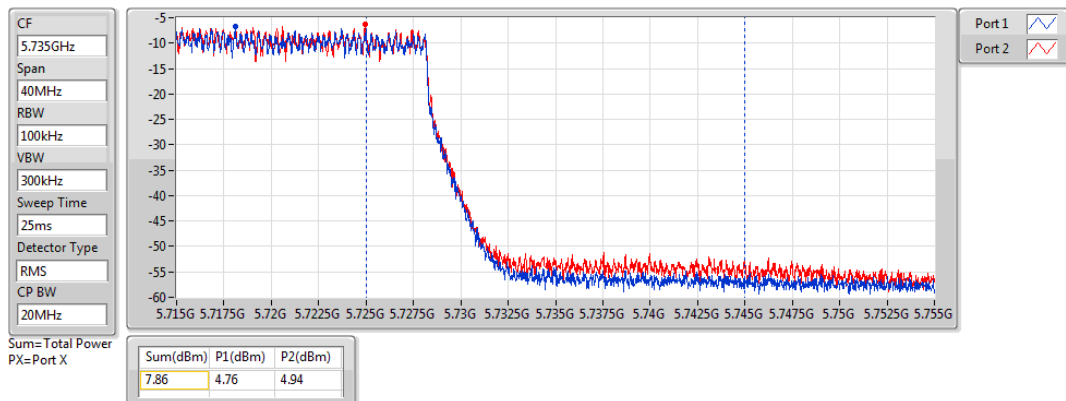


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019



802.11ac VHT80_Nss2,(MCS0)_2TX

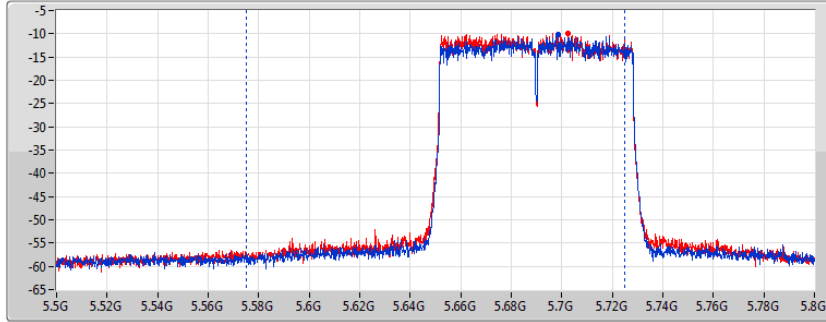
AV Power

5690MHz Straddle 5.47-5.725GHz

30/11/2019

CF
5.65GHz
Span
300MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
150MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
18.55	15.22	15.83

802.11ac VHT80_Nss2,(MCS0)_2TX

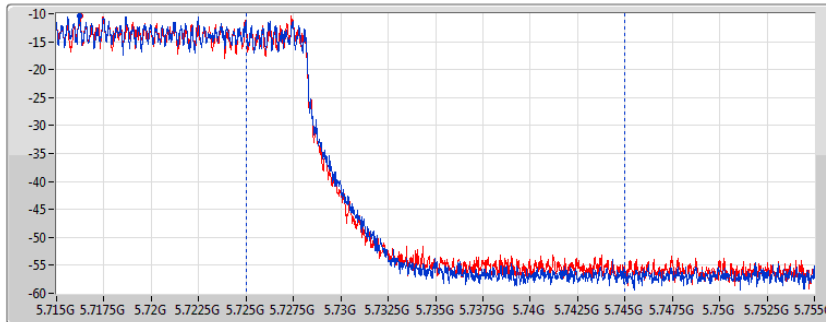
AV Power

5690MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
3.81	0.81	0.78

802.11ac VHT160_Nss2,(MCS0)_2TX

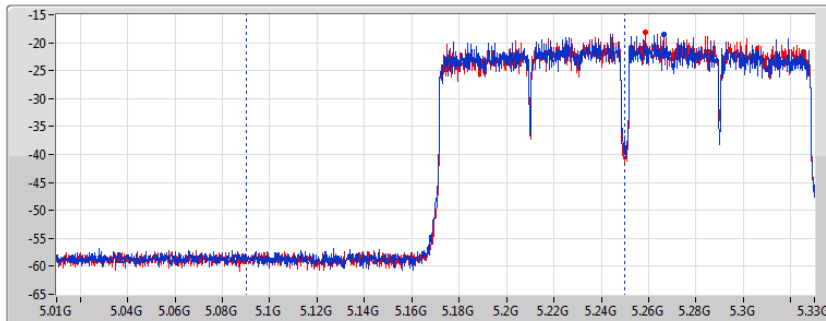
AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019

CF
5.17GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

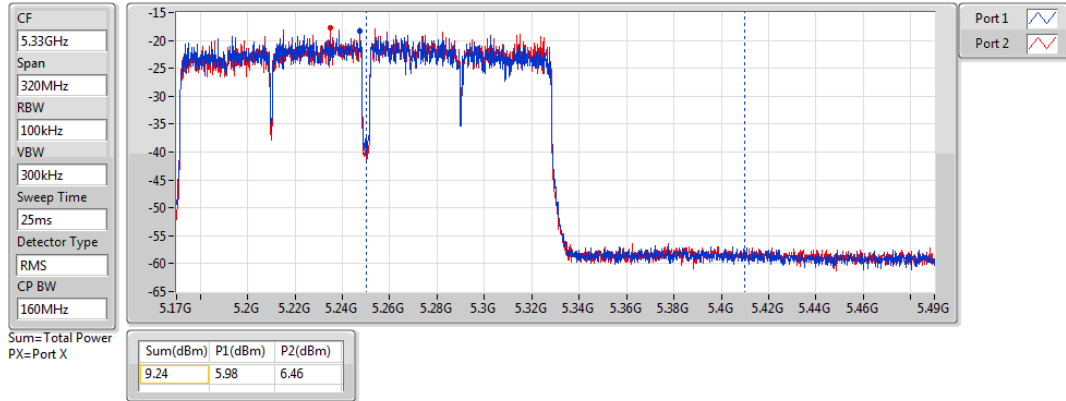
Sum(dBm)	P1(dBm)	P2(dBm)
9.06	6.08	6.01

802.11ac VHT160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019

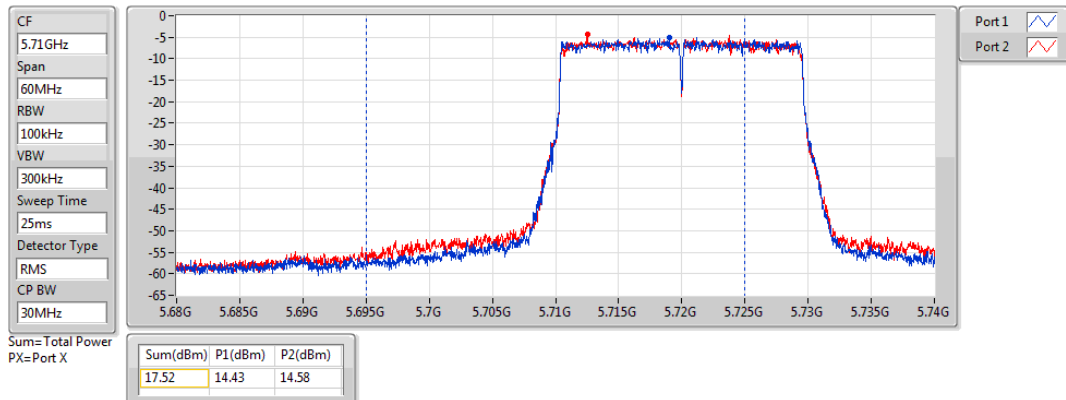


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

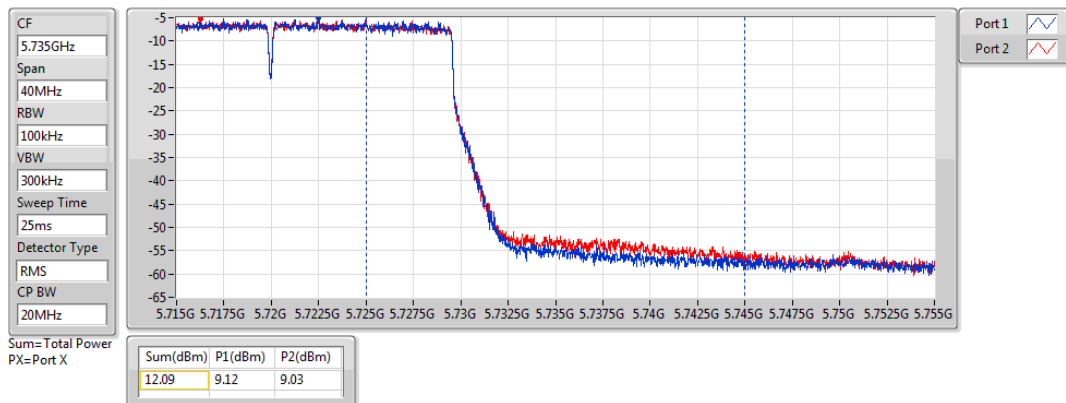


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

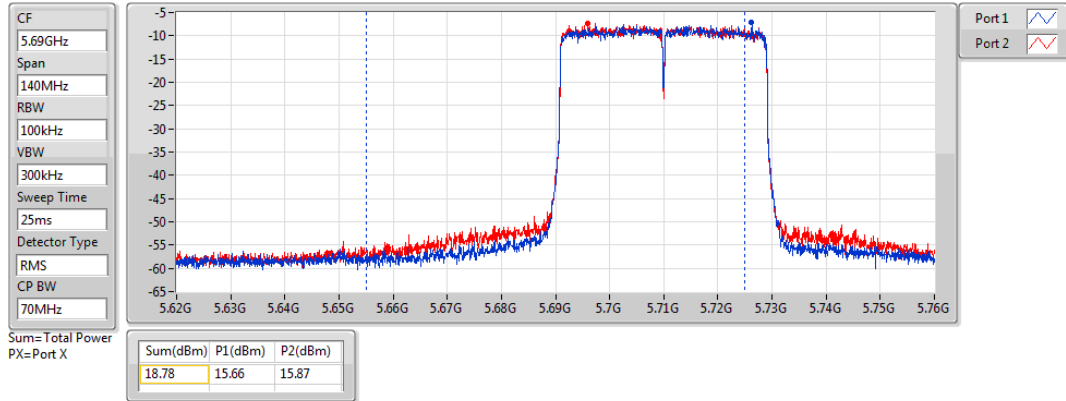


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

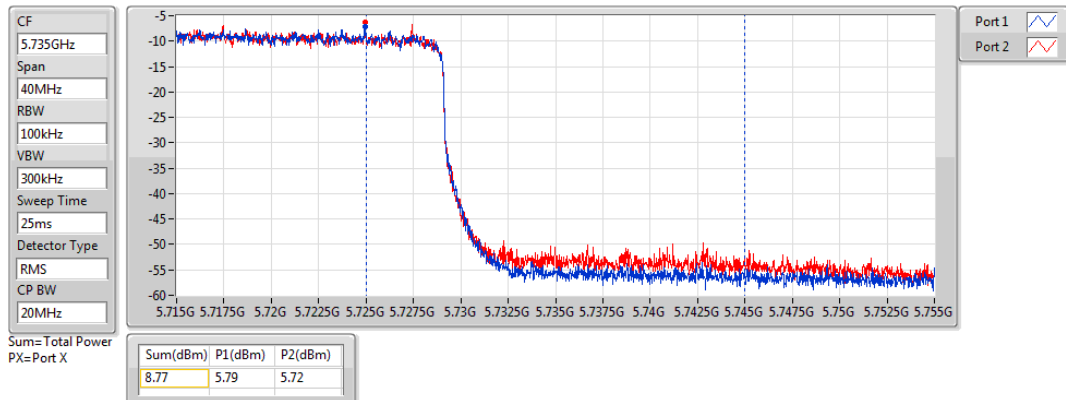


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019

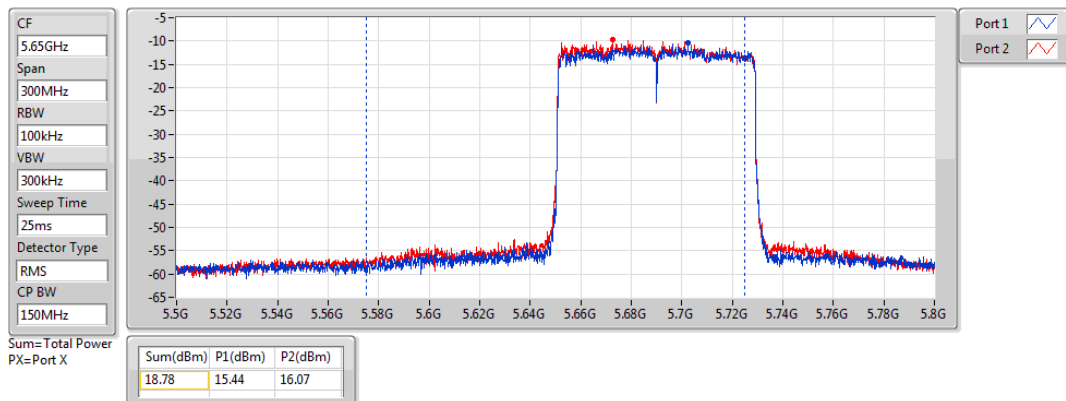


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

30/11/2019



802.11ax HEW80_Nss2,(MCS0)_2TX

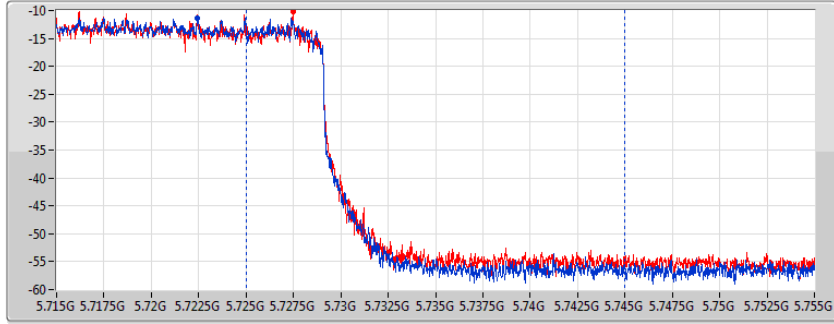
AV Power

5690MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
4.74	1.78	1.67

802.11ax HEW160_Nss2,(MCS0)_2TX

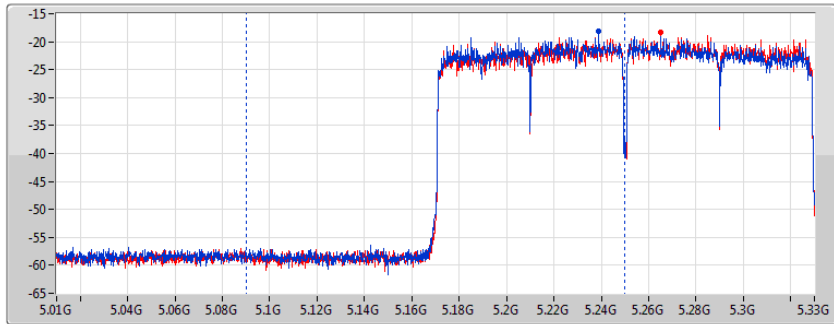
AV Power

5250MHz Straddle 5.15-5.25GHz

04/12/2019

CF
5.17GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
9.32	6.44	6.18

802.11ax HEW160_Nss2,(MCS0)_2TX

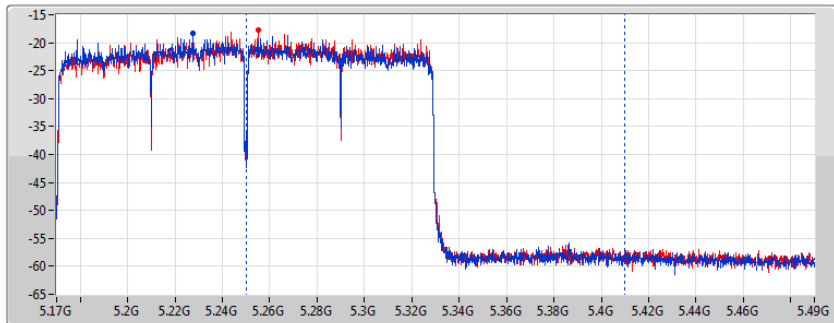
AV Power

5250MHz Straddle 5.25-5.35GHz

04/12/2019

CF
5.33GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
9.55	6.32	6.75



Average Power_Non-Beamforming_Sample 2_Radio 2_Panel 1_4T1S Appendix B.13

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	10.98	0.01253	21.68	0.14723
802.11ax HEW160_Nss1,(MCS0)_4TX	11.18	0.01312	21.88	0.15417
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	13.51	0.02244	24.21	0.26363
802.11ac VHT20_Nss1,(MCS0)_4TX	13.84	0.02421	24.54	0.28445
802.11ac VHT40_Nss1,(MCS0)_4TX	16.80	0.04786	27.50	0.56234
802.11ac VHT80_Nss1,(MCS0)_4TX	18.56	0.07178	29.26	0.84333
802.11ac VHT160_Nss1,(MCS0)_4TX	11.16	0.01306	21.86	0.15346
802.11ax HEW20_Nss1,(MCS0)_4TX	14.03	0.02529	24.73	0.29717
802.11ax HEW40_Nss1,(MCS0)_4TX	16.99	0.05000	27.69	0.58749
802.11ax HEW80_Nss1,(MCS0)_4TX	18.79	0.07568	29.49	0.88920
802.11ax HEW160_Nss1,(MCS0)_4TX	11.43	0.01390	22.13	0.16331
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	13.58	0.02280	24.28	0.26792
802.11ac VHT20_Nss1,(MCS0)_4TX	13.66	0.02323	24.36	0.27290
802.11ac VHT40_Nss1,(MCS0)_4TX	16.72	0.04699	27.42	0.55208
802.11ac VHT80_Nss1,(MCS0)_4TX	18.47	0.07031	29.17	0.82604
802.11ac VHT160_Nss1,(MCS0)_4TX	16.70	0.04677	27.40	0.54954
802.11ax HEW20_Nss1,(MCS0)_4TX	13.93	0.02472	24.63	0.29040
802.11ax HEW40_Nss1,(MCS0)_4TX	16.92	0.04920	27.62	0.57810
802.11ax HEW80_Nss1,(MCS0)_4TX	18.72	0.07447	29.42	0.87498
802.11ax HEW160_Nss1,(MCS0)_4TX	16.92	0.04920	27.62	0.57810
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	6.17	0.00414	16.87	0.04864
802.11ac VHT20_Nss1,(MCS0)_4TX	6.66	0.00463	17.36	0.05445
802.11ac VHT40_Nss1,(MCS0)_4TX	5.31	0.00340	16.01	0.03990
802.11ac VHT80_Nss1,(MCS0)_4TX	3.89	0.00245	14.59	0.02877
802.11ax HEW20_Nss1,(MCS0)_4TX	7.17	0.00521	17.87	0.06124
802.11ax HEW40_Nss1,(MCS0)_4TX	6.15	0.00412	16.85	0.04842
802.11ax HEW80_Nss1,(MCS0)_4TX	4.84	0.00305	15.54	0.03581

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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	10.70	7.39	7.44	7.28	7.45	13.41	19.30	24.11	30.00
5300MHz_TnomVnom	Pass	10.70	7.57	7.41	7.43	7.42	13.48	19.30	24.18	30.00
5320MHz_TnomVnom	Pass	10.70	7.56	7.35	7.49	7.54	13.51	19.30	24.21	30.00
5500MHz_TnomVnom	Pass	10.70	7.66	7.47	7.79	7.32	13.58	19.30	24.28	30.00
5580MHz_TnomVnom	Pass	10.70	7.58	7.44	7.47	7.41	13.50	19.30	24.20	30.00
5700MHz_TnomVnom	Pass	10.70	7.44	7.35	7.54	7.83	13.56	19.30	24.26	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	6.43	6.17	6.44	6.50	12.41	18.25	23.11	28.95
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	0.18	-0.04	0.15	0.32	6.17	25.30	16.87	36.00
802.11ac_VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	10.70	7.80	7.80	7.71	7.62	13.75	19.30	24.45	30.00
5300MHz_TnomVnom	Pass	10.70	7.54	7.68	7.18	7.78	13.57	19.30	24.27	30.00
5320MHz_TnomVnom	Pass	10.70	7.72	7.68	7.96	7.92	13.84	19.30	24.54	30.00
5500MHz_TnomVnom	Pass	10.70	7.53	8.02	7.45	7.43	13.63	19.30	24.33	30.00
5580MHz_TnomVnom	Pass	10.70	7.69	7.86	7.54	7.45	13.66	19.30	24.36	30.00
5700MHz_TnomVnom	Pass	10.70	7.64	7.27	7.53	8.04	13.65	19.30	24.35	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	6.33	6.24	6.30	6.69	12.41	18.28	23.11	28.98
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	0.57	0.35	0.80	0.81	6.66	25.30	17.36	36.00
802.11ac_VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	10.70	10.75	10.58	10.86	10.68	16.74	19.30	27.44	30.00
5310MHz_TnomVnom	Pass	10.70	10.85	10.46	10.93	10.88	16.80	19.30	27.50	30.00
5510MHz_TnomVnom	Pass	10.70	10.69	10.80	10.68	10.62	16.72	19.30	27.42	30.00
5550MHz_TnomVnom	Pass	10.70	10.34	10.64	10.44	10.61	16.53	19.30	27.23	30.00
5670MHz_TnomVnom	Pass	10.70	10.52	10.59	10.68	10.79	16.67	19.30	27.37	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	9.80	9.70	9.93	10.18	15.93	19.30	26.63	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	-0.79	-1.15	-0.31	-0.65	5.31	25.30	16.01	36.00
802.11ac_VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	10.70	12.81	12.41	12.60	12.33	18.56	19.30	29.26	30.00
5530MHz_TnomVnom	Pass	10.70	12.22	12.35	12.11	12.27	18.26	19.30	28.96	30.00
5610MHz_TnomVnom	Pass	10.70	12.15	12.43	12.46	12.50	18.41	19.30	29.11	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.20	12.45	12.23	12.88	18.47	19.30	29.17	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	-2.16	-2.73	-1.63	-2.08	3.89	25.30	14.59	36.00
802.11ac_VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	10.70	5.25	4.31	5.20	5.00	10.98	25.30	21.68	36.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	10.70	5.22	4.77	5.20	5.34	11.16	19.30	21.86	30.00
5570MHz_TnomVnom	Pass	10.70	10.51	10.79	10.56	10.86	16.70	19.30	27.40	30.00
802.11ax_HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	10.70	8.04	7.89	7.96	7.99	13.99	19.30	24.69	30.00
5300MHz_TnomVnom	Pass	10.70	7.91	7.74	7.89	8.00	13.91	19.30	24.61	30.00
5320MHz_TnomVnom	Pass	10.70	8.10	7.89	7.99	8.05	14.03	19.30	24.73	30.00
5500MHz_TnomVnom	Pass	10.70	8.06	8.33	7.76	7.43	13.93	19.30	24.63	30.00
5580MHz_TnomVnom	Pass	10.70	7.96	8.09	7.79	7.75	13.92	19.30	24.62	30.00
5700MHz_TnomVnom	Pass	10.70	7.90	7.69	7.73	8.09	13.88	19.30	24.58	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	6.67	6.35	6.31	6.75	12.54	18.28	23.24	28.98



Average Power_Non-Beamforming_Sample 2_Radio 2_Panel 1_4T1S Appendix B.13

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)
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	1.28	0.94	1.06	1.31	7.17	25.30	17.87	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	10.70	11.09	10.69	10.96	10.96	16.95	19.30	27.65	30.00
5310MHz_TnomVnom	Pass	10.70	10.85	10.89	11.05	11.09	16.99	19.30	27.69	30.00
5510MHz_TnomVnom	Pass	10.70	10.87	10.90	10.85	10.98	16.92	19.30	27.62	30.00
5550MHz_TnomVnom	Pass	10.70	10.71	10.78	10.58	10.75	16.73	19.30	27.43	30.00
5670MHz_TnomVnom	Pass	10.70	10.61	10.83	10.96	11.15	16.91	19.30	27.61	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	10.07	9.78	10.21	10.34	16.13	19.30	26.83	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	0.17	-0.34	0.47	0.19	6.15	25.30	16.85	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	10.70	12.92	12.46	12.82	12.86	18.79	19.30	29.49	30.00
5530MHz_TnomVnom	Pass	10.70	12.50	12.51	12.45	12.72	18.57	19.30	29.27	30.00
5610MHz_TnomVnom	Pass	10.70	12.34	12.67	12.92	12.78	18.70	19.30	29.40	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.46	12.68	12.47	13.15	18.72	19.30	29.42	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	-1.24	-1.70	-0.80	-1.02	4.84	25.30	15.54	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	10.70	5.47	4.42	5.46	5.22	11.18	25.30	21.88	36.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	10.70	5.43	4.96	5.48	5.72	11.43	19.30	22.13	30.00
5570MHz_TnomVnom	Pass	10.70	10.66	11.08	10.92	10.93	16.92	19.30	27.62	30.00

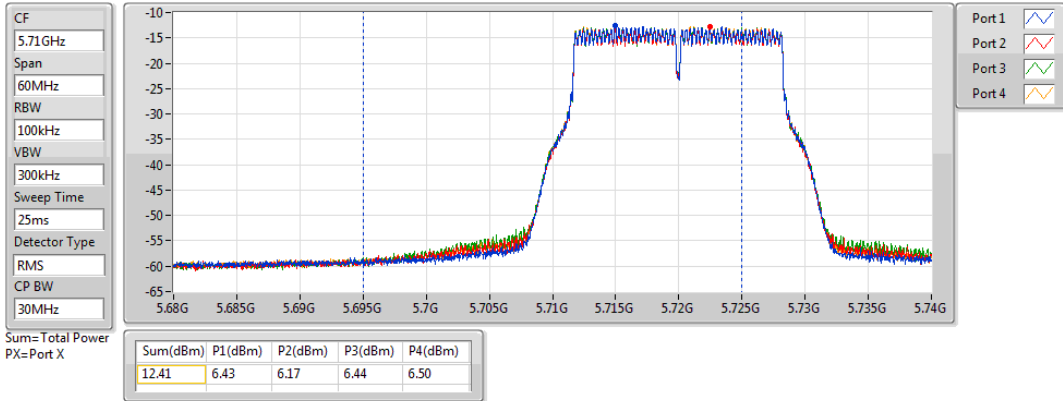
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

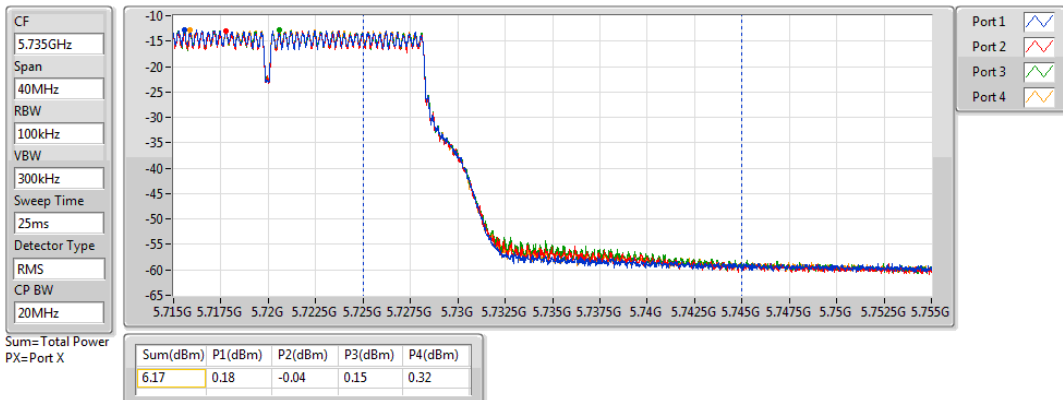


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

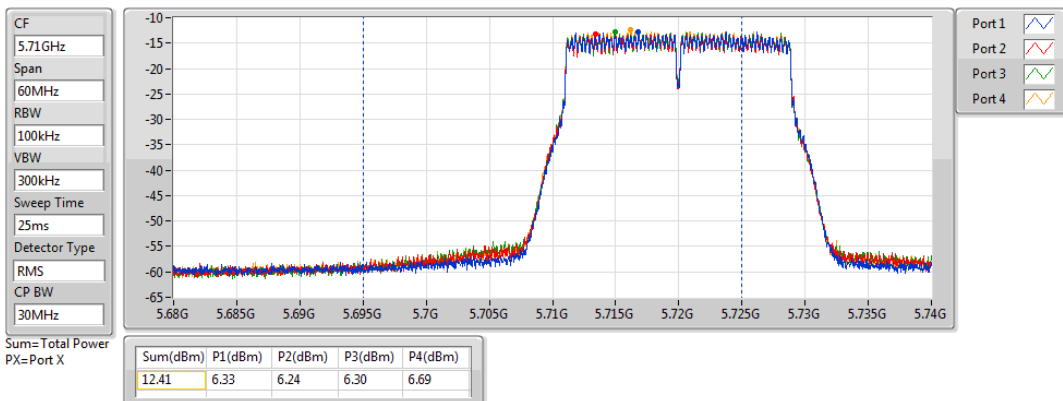


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

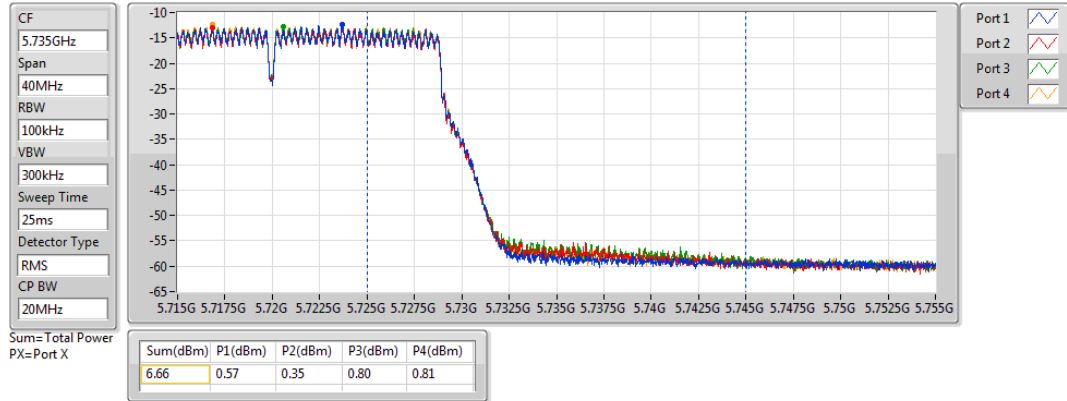


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

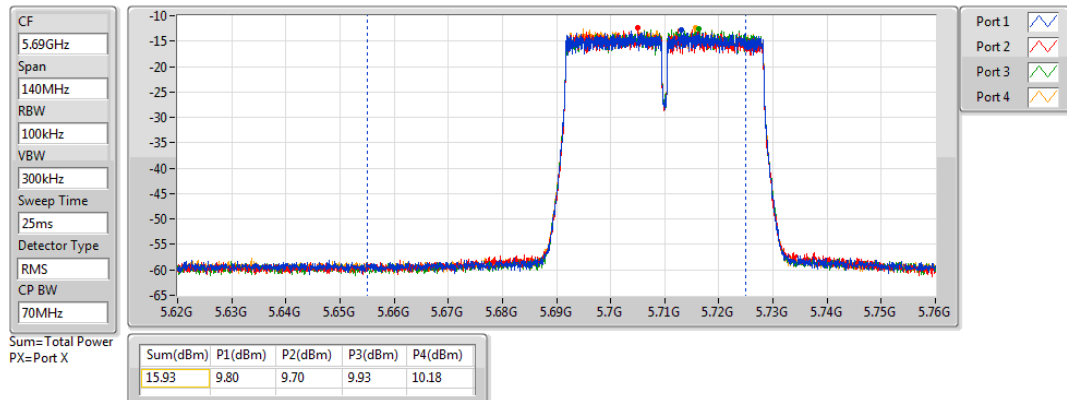


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

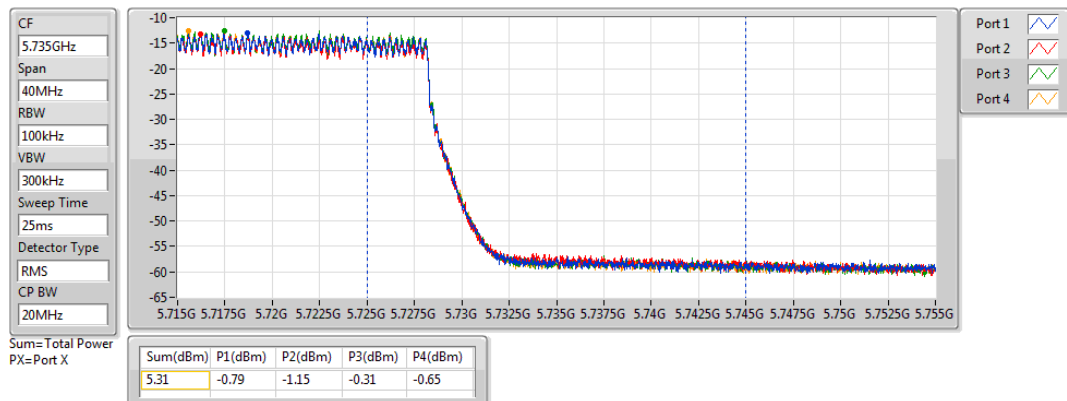


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019



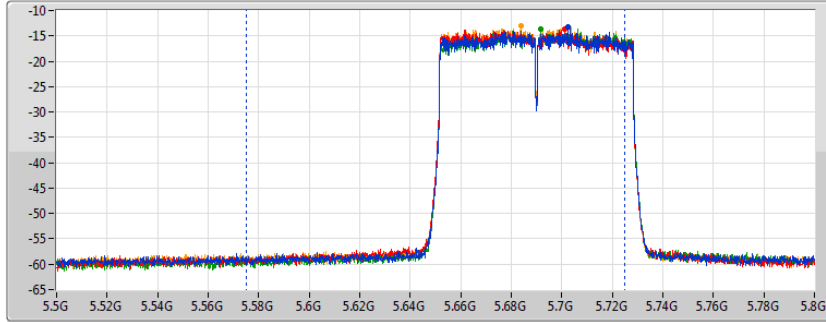
802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

30/11/2019

CF
5.65GHz
Span
300MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.47	12.20	12.45	12.23	12.88

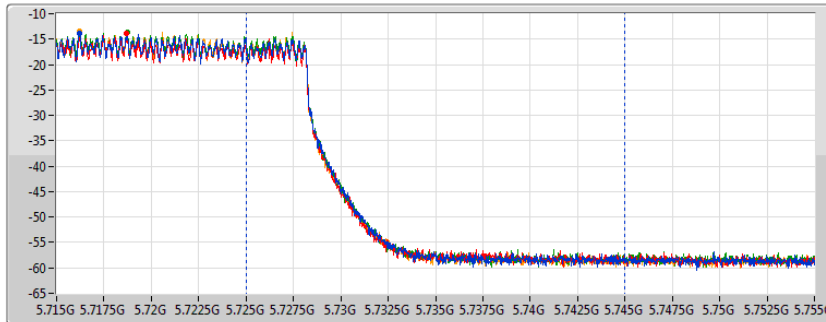
802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
3.89	-2.16	-2.73	-1.63	-2.08

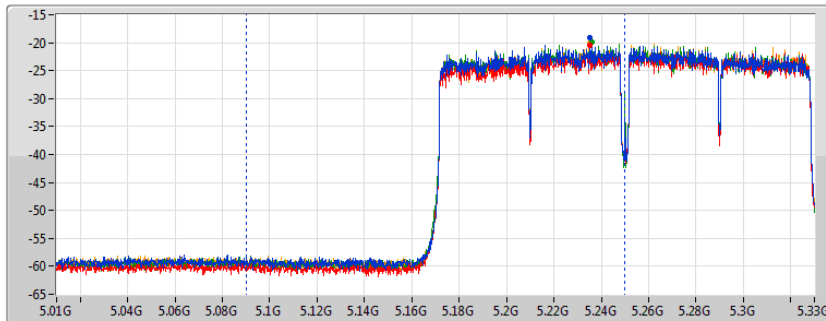
802.11ac VHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

30/11/2019

CF
5.17GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

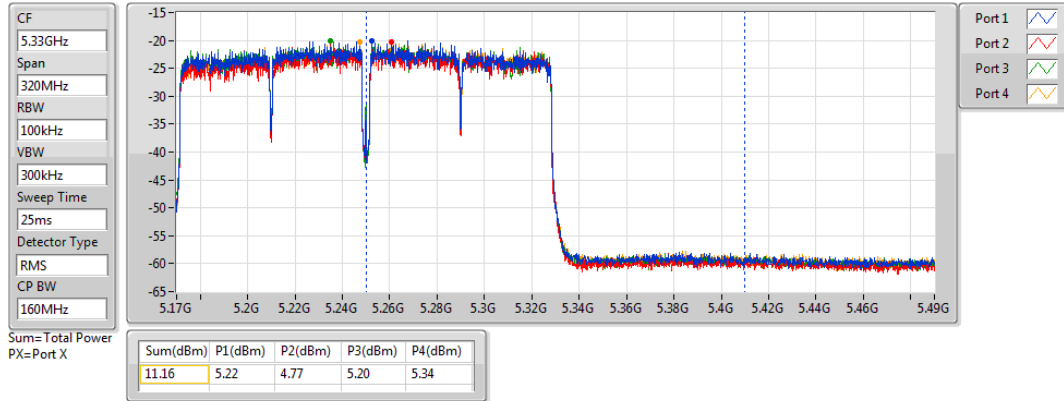
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.98	5.25	4.31	5.20	5.00

802.11ac VHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

30/11/2019

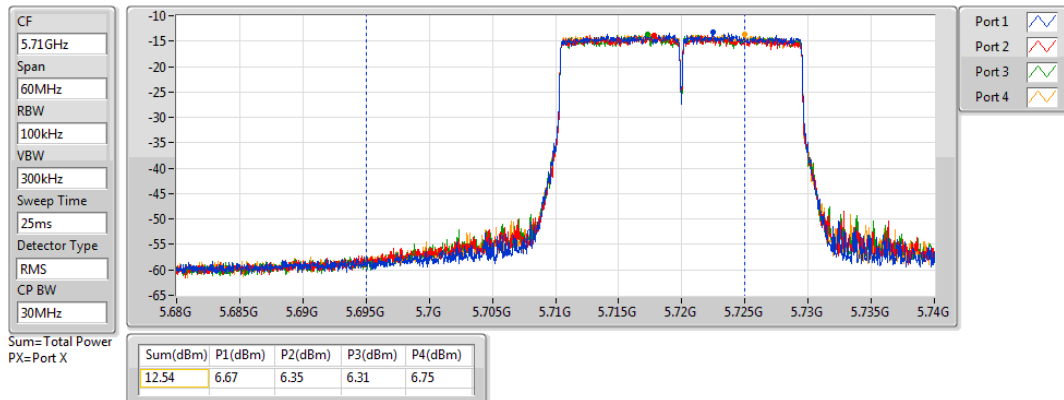


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

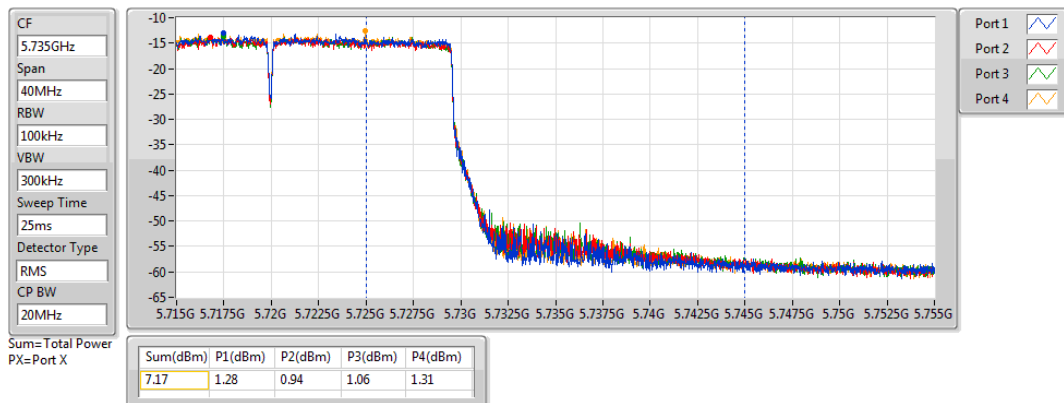


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

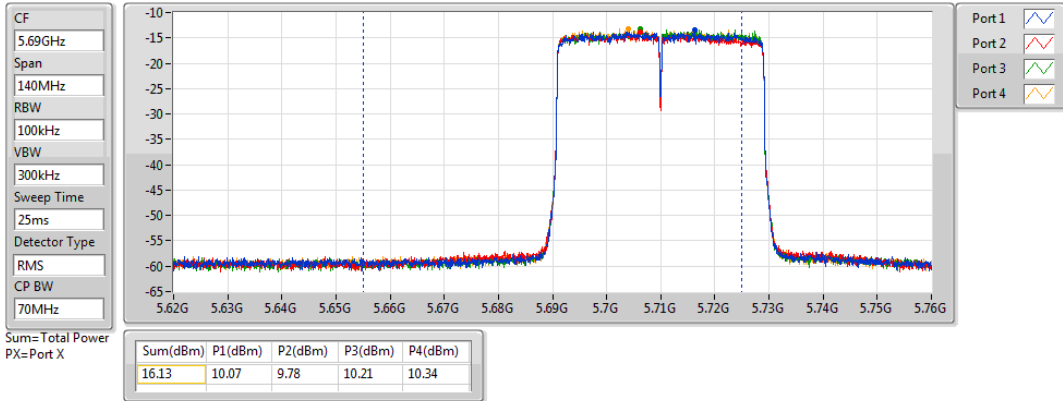


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

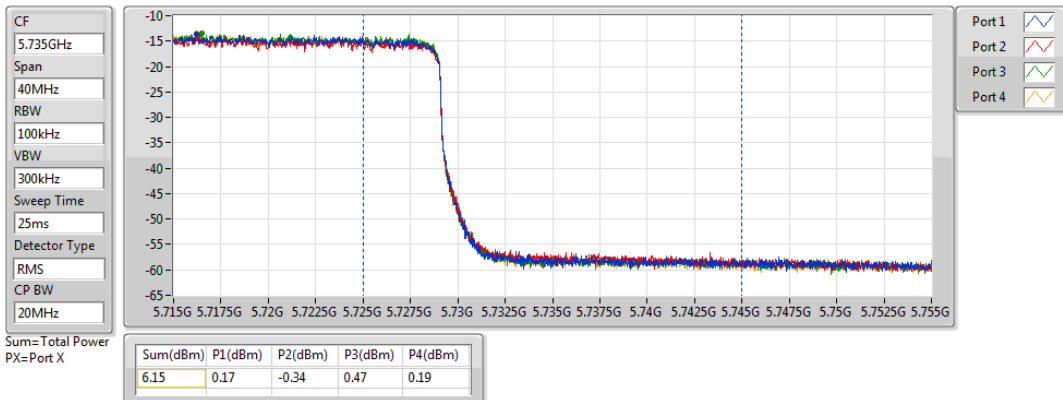


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019

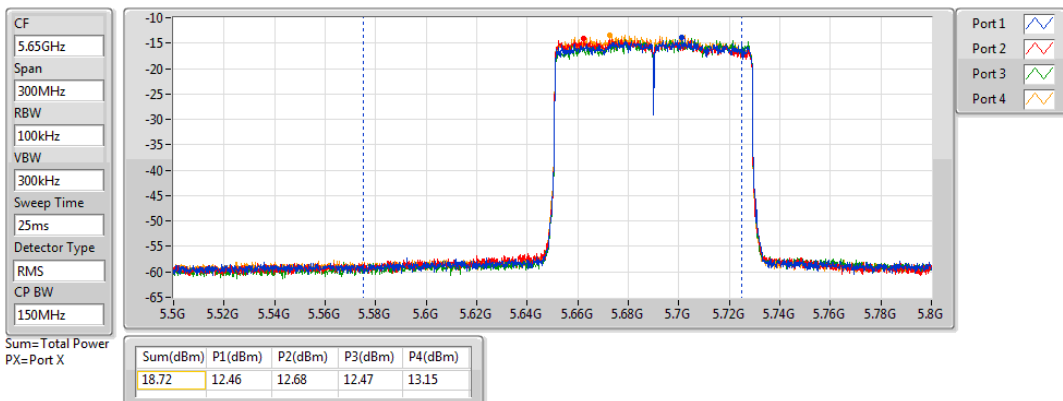


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

30/11/2019



802.11ax HEW80_Nss1,(MCS0)_4TX

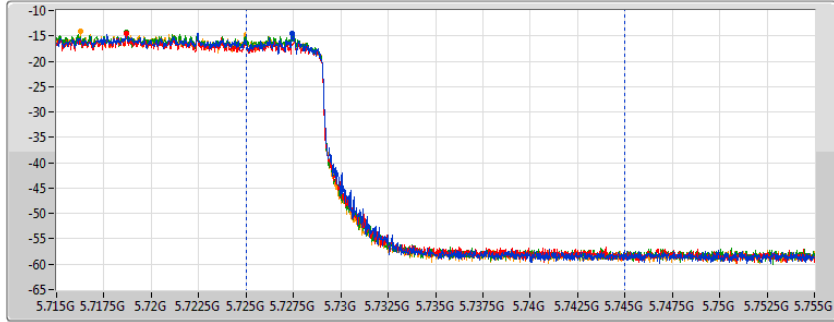
AV Power

5690MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.84	-1.24	-1.70	-0.80	-1.02

802.11ax HEW160_Nss1,(MCS0)_4TX

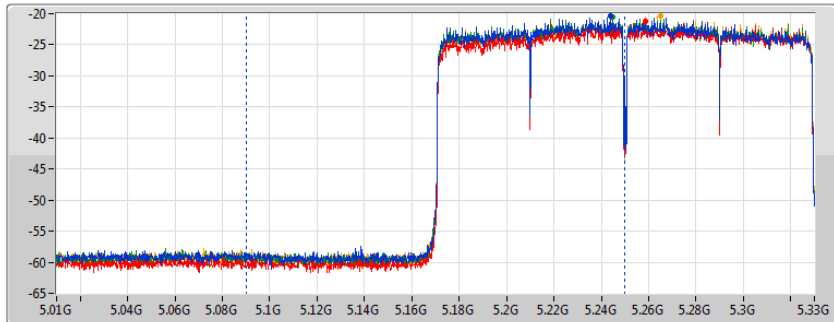
AV Power

5250MHz Straddle 5.15-5.25GHz

30/11/2019

CF
5.17GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.18	5.47	4.42	5.46	5.22

802.11ax HEW160_Nss1,(MCS0)_4TX

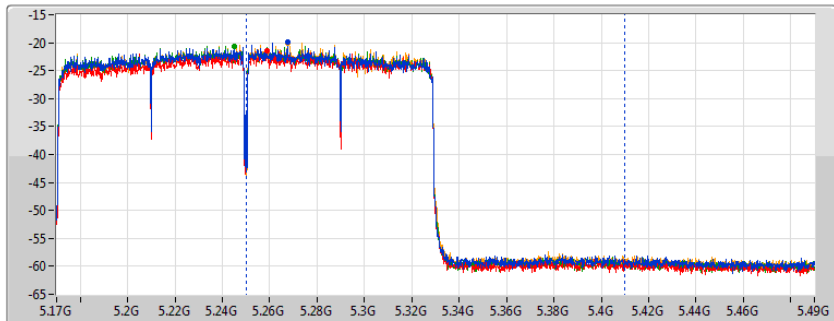
AV Power

5250MHz Straddle 5.25-5.35GHz

30/11/2019

CF
5.33GHz
Span
320MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
160MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.43	5.43	4.96	5.48	5.72



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT160_Nss4,(MCS0)_4TX	8.96	0.00787	19.66	0.09247
802.11ax HEW160_Nss4,(MCS0)_4TX	9.26	0.00843	19.96	0.09908
5.25-5.35GHz	-	-	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	18.52	0.07112	29.22	0.83560
802.11ac VHT40_Nss4,(MCS0)_4TX	18.43	0.06966	29.13	0.81846
802.11ac VHT80_Nss4,(MCS0)_4TX	18.24	0.06668	28.94	0.78343
802.11ac VHT160_Nss4,(MCS0)_4TX	9.31	0.00853	20.01	0.10023
802.11ax HEW20_Nss4,(MCS0)_4TX	18.74	0.07482	29.44	0.87902
802.11ax HEW40_Nss4,(MCS0)_4TX	18.69	0.07396	29.39	0.86896
802.11ax HEW80_Nss4,(MCS0)_4TX	18.37	0.06871	29.07	0.80724
802.11ax HEW160_Nss4,(MCS0)_4TX	9.60	0.00912	20.30	0.10715
5.47-5.725GHz	-	-	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	18.59	0.07228	29.29	0.84918
802.11ac VHT40_Nss4,(MCS0)_4TX	18.58	0.07211	29.28	0.84723
802.11ac VHT80_Nss4,(MCS0)_4TX	18.70	0.07413	29.40	0.87096
802.11ac VHT160_Nss4,(MCS0)_4TX	14.49	0.02812	25.19	0.33037
802.11ax HEW20_Nss4,(MCS0)_4TX	18.75	0.07499	29.45	0.88105
802.11ax HEW40_Nss4,(MCS0)_4TX	18.78	0.07551	29.48	0.88716
802.11ax HEW80_Nss4,(MCS0)_4TX	18.77	0.07534	29.47	0.88512
802.11ax HEW160_Nss4,(MCS0)_4TX	14.52	0.02831	25.22	0.33266
5.725-5.85GHz	-	-	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	11.55	0.01429	22.25	0.16788
802.11ac VHT40_Nss4,(MCS0)_4TX	7.90	0.00617	18.60	0.07244
802.11ac VHT80_Nss4,(MCS0)_4TX	3.92	0.00247	14.62	0.02897
802.11ax HEW20_Nss4,(MCS0)_4TX	12.14	0.01637	22.84	0.19231
802.11ax HEW40_Nss4,(MCS0)_4TX	8.69	0.00740	19.39	0.08690
802.11ax HEW80_Nss4,(MCS0)_4TX	4.79	0.00301	15.49	0.03540

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_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	10.70	12.42	12.58	12.65	12.36	18.52	19.30	29.22	30.00
5300MHz_TnomVnom	Pass	10.70	12.30	12.06	12.17	12.24	18.21	19.30	28.91	30.00
5320MHz_TnomVnom	Pass	10.70	12.38	12.19	12.42	12.37	18.36	19.30	29.06	30.00
5500MHz_TnomVnom	Pass	10.70	12.34	12.82	12.51	12.23	18.50	19.30	29.20	30.00
5580MHz_TnomVnom	Pass	10.70	12.11	12.60	12.45	12.16	18.36	19.30	29.06	30.00
5700MHz_TnomVnom	Pass	10.70	12.32	12.51	12.57	12.85	18.59	19.30	29.29	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	11.32	11.18	11.15	11.60	17.34	18.29	28.04	28.99
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	5.51	5.40	5.48	5.71	11.55	25.30	22.25	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	10.70	12.45	12.22	12.38	12.42	18.39	19.30	29.09	30.00
5310MHz_TnomVnom	Pass	10.70	12.54	12.04	12.43	12.59	18.43	19.30	29.13	30.00
5510MHz_TnomVnom	Pass	10.70	12.40	12.66	12.37	12.42	18.48	19.30	29.18	30.00
5550MHz_TnomVnom	Pass	10.70	12.21	12.41	12.24	12.33	18.32	19.30	29.02	30.00
5670MHz_TnomVnom	Pass	10.70	12.52	12.63	12.49	12.59	18.58	19.30	29.28	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.49	12.37	12.44	12.70	18.52	19.30	29.22	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	1.99	1.47	2.18	1.86	7.90	25.30	18.60	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	10.70	12.39	12.05	12.29	12.14	18.24	19.30	28.94	30.00
5530MHz_TnomVnom	Pass	10.70	11.92	12.02	11.88	11.85	17.94	19.30	28.64	30.00
5610MHz_TnomVnom	Pass	10.70	12.30	12.91	12.74	12.74	18.70	19.30	29.40	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.23	12.55	12.54	12.82	18.56	19.30	29.26	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	-2.06	-2.59	-1.64	-2.16	3.92	25.30	14.62	36.00
802.11ac VHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	10.70	3.08	2.38	3.21	3.06	8.96	25.30	19.66	36.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	10.70	3.23	3.11	3.26	3.54	9.31	19.30	20.01	30.00
5570MHz_TnomVnom	Pass	10.70	8.05	8.60	8.37	8.82	14.49	19.30	25.19	30.00
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	10.70	12.81	12.73	12.77	12.48	18.72	19.30	29.42	30.00
5300MHz_TnomVnom	Pass	10.70	12.68	12.48	12.90	12.79	18.74	19.30	29.44	30.00
5320MHz_TnomVnom	Pass	10.70	12.56	12.48	12.62	12.78	18.63	19.30	29.33	30.00
5500MHz_TnomVnom	Pass	10.70	12.76	12.97	12.57	12.60	18.75	19.30	29.45	30.00
5580MHz_TnomVnom	Pass	10.70	12.50	12.72	12.72	12.47	18.62	19.30	29.32	30.00
5700MHz_TnomVnom	Pass	10.70	12.59	12.58	12.48	12.83	18.64	19.30	29.34	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	11.49	11.40	11.33	11.87	17.55	18.26	28.25	28.96
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	6.14	5.99	6.03	6.32	12.14	25.30	22.84	36.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	10.70	12.79	12.53	12.66	12.70	18.69	19.30	29.39	30.00
5310MHz_TnomVnom	Pass	10.70	12.79	12.32	12.61	12.77	18.65	19.30	29.35	30.00
5510MHz_TnomVnom	Pass	10.70	12.73	12.83	12.61	12.73	18.75	19.30	29.45	30.00
5550MHz_TnomVnom	Pass	10.70	12.46	12.72	12.33	12.55	18.54	19.30	29.24	30.00
5670MHz_TnomVnom	Pass	10.70	12.76	12.80	12.78	12.70	18.78	19.30	29.48	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.76	12.47	12.69	12.73	18.68	19.30	29.38	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	2.79	2.38	2.84	2.66	8.69	25.30	19.39	36.00



Average Power_Non-Beamforming_Sample 2_Radio 2_Panel 1_4T4S Appendix B.14

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_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	10.70	12.56	12.17	12.38	12.29	18.37	19.30	29.07	30.00
5530MHz_TnomVnom	Pass	10.70	11.87	12.11	12.10	12.06	18.06	19.30	28.76	30.00
5610MHz_TnomVnom	Pass	10.70	12.34	12.75	12.91	12.96	18.77	19.30	29.47	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.70	12.24	12.60	12.48	12.99	18.61	19.30	29.31	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.70	-1.30	-1.70	-0.79	-1.20	4.79	25.30	15.49	36.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	10.70	3.30	2.70	3.54	3.39	9.26	25.30	19.96	36.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	10.70	3.57	3.36	3.50	3.86	9.60	19.30	20.30	30.00
5570MHz_TnomVnom	Pass	10.70	8.13	8.70	8.35	8.77	14.52	19.30	25.22	30.00

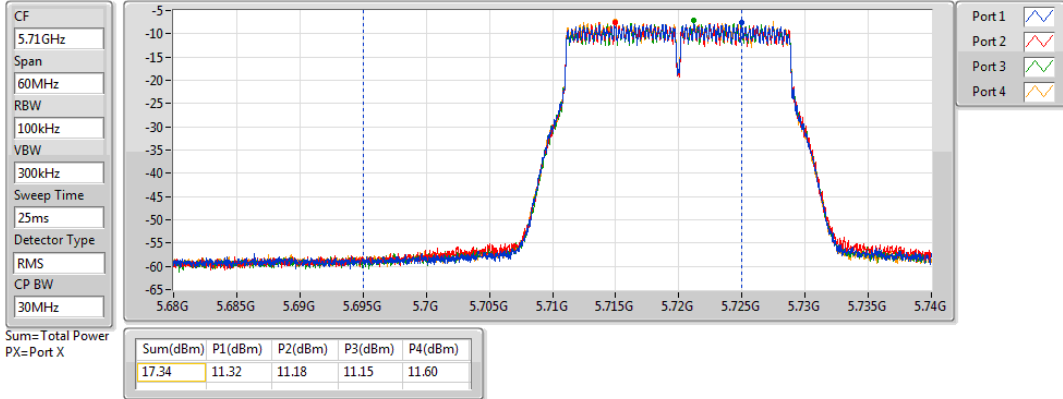
DG = Directional Gain; Port X = Port X output power

802.11ac VHT20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019

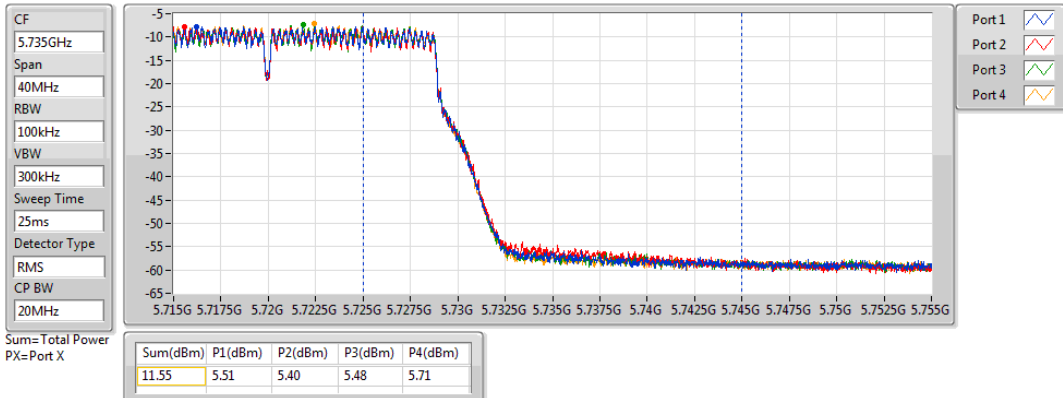


802.11ac VHT20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

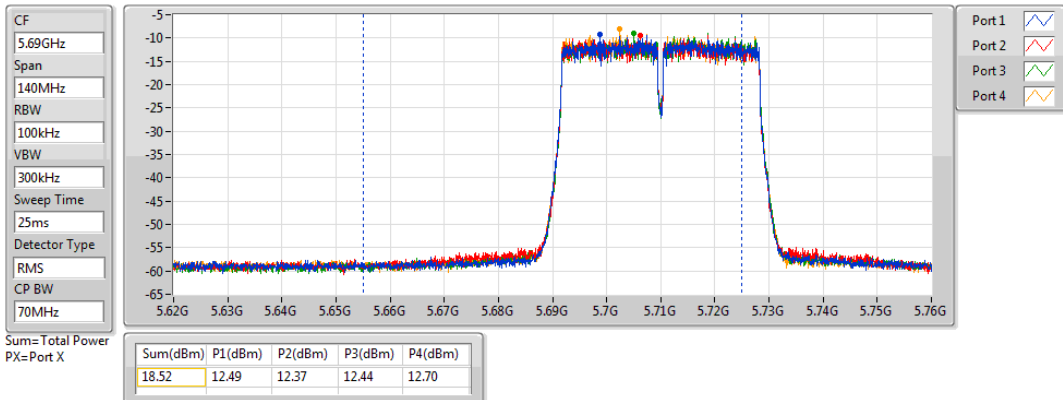


802.11ac VHT40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

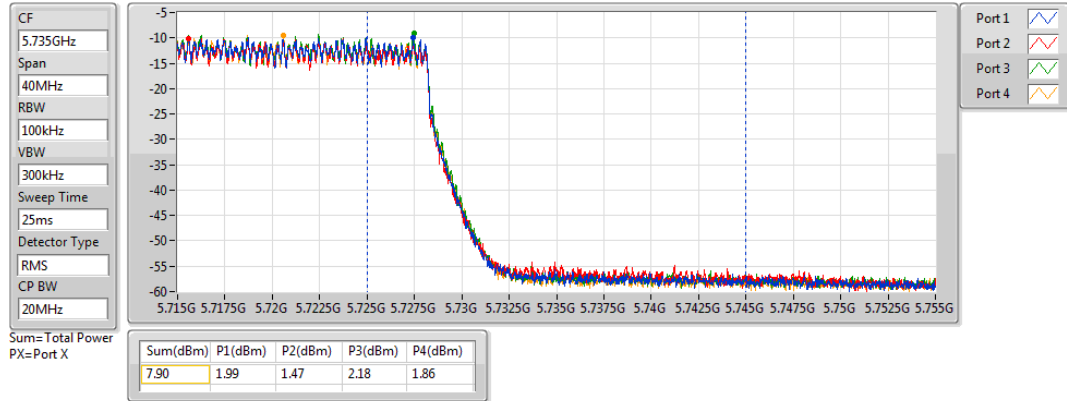


802.11ac VHT40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019

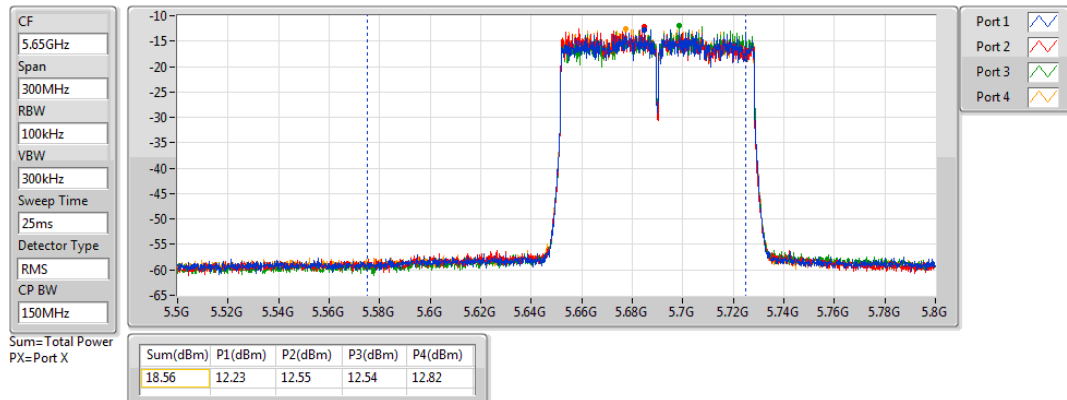


802.11ac VHT80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

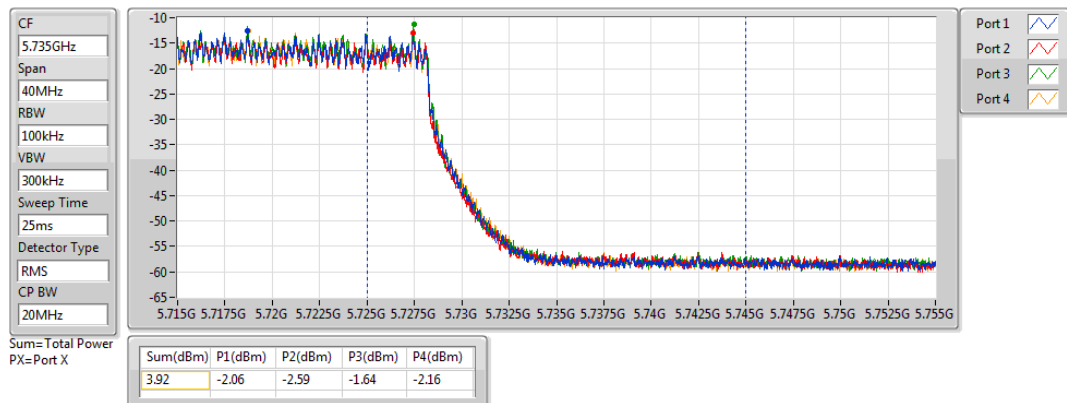


802.11ac VHT80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019

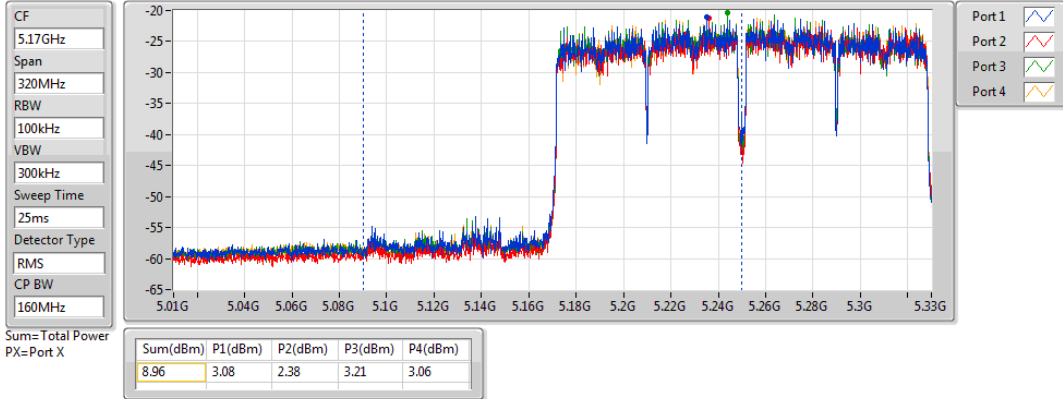


802.11ac VHT160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

02/12/2019

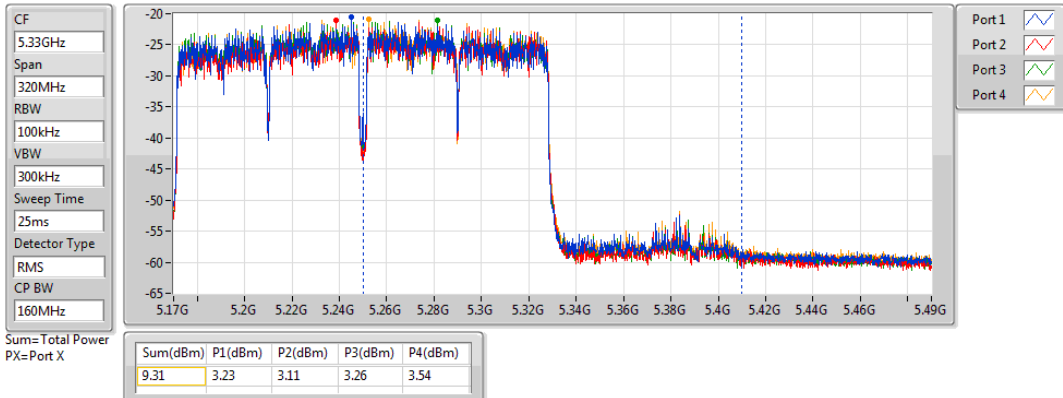


802.11ac VHT160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

02/12/2019

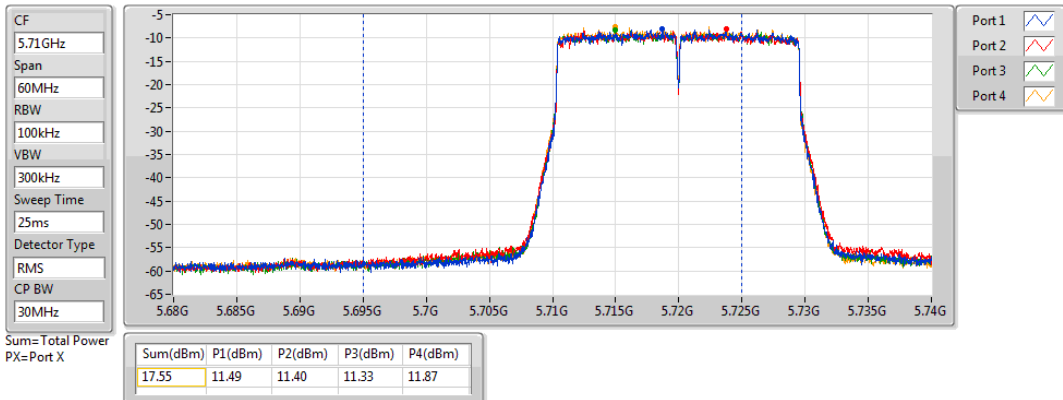


802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

30/11/2019



802.11ax HEW20_Nss4,(MCS0)_4TX

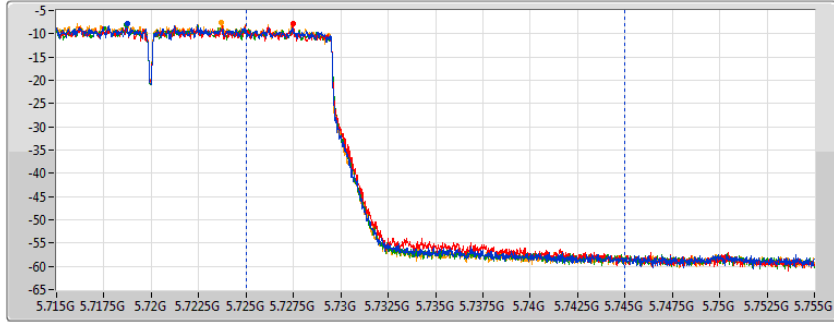
AV Power

5720MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.14	6.14	5.99	6.03	6.32

802.11ax HEW40_Nss4,(MCS0)_4TX

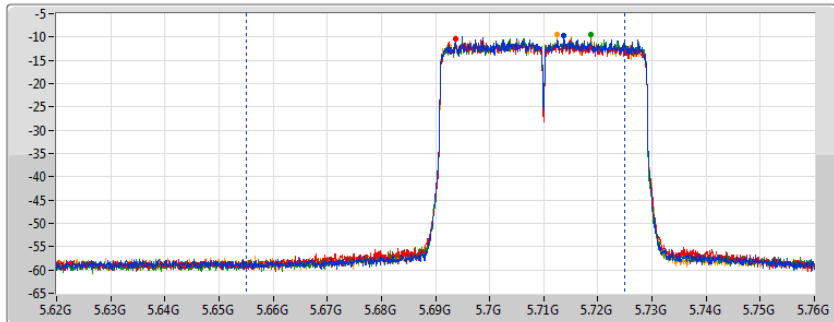
AV Power

5710MHz Straddle 5.47-5.725GHz

30/11/2019

CF
5.69GHz
Span
140MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
70MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.68	12.76	12.47	12.69	12.73

802.11ax HEW40_Nss4,(MCS0)_4TX

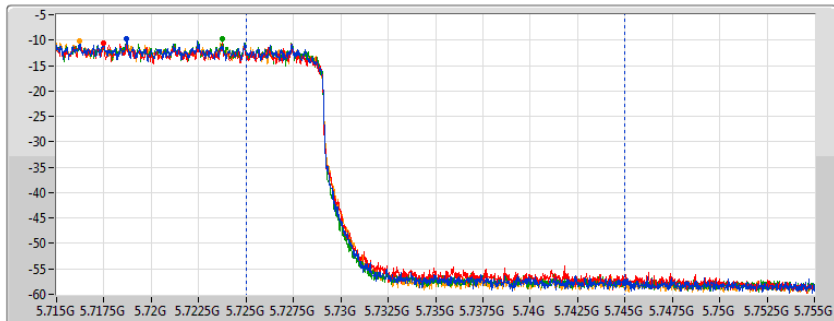
AV Power

5710MHz Straddle 5.725-5.85GHz

30/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1
Port 2
Port 3
Port 4

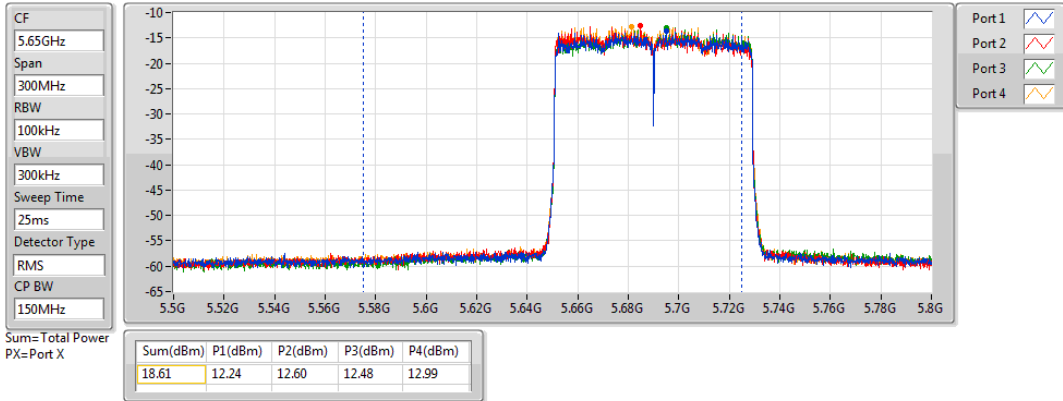
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.69	2.79	2.38	2.84	2.66

802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

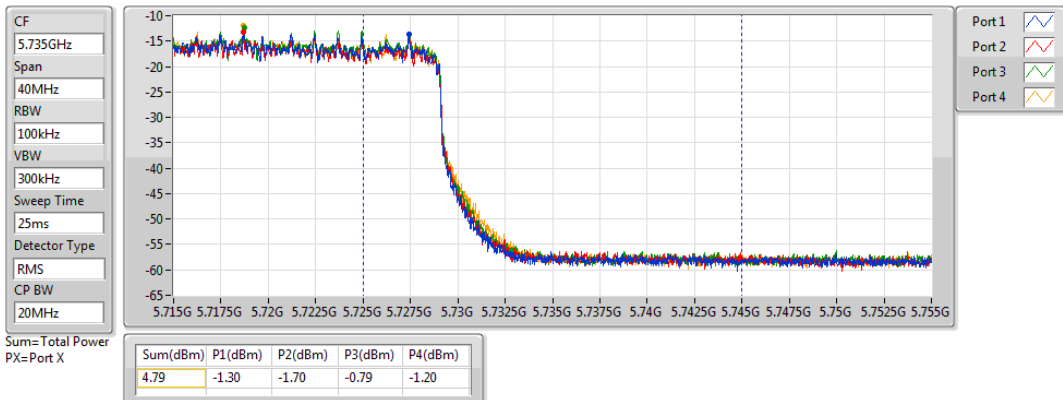


802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019

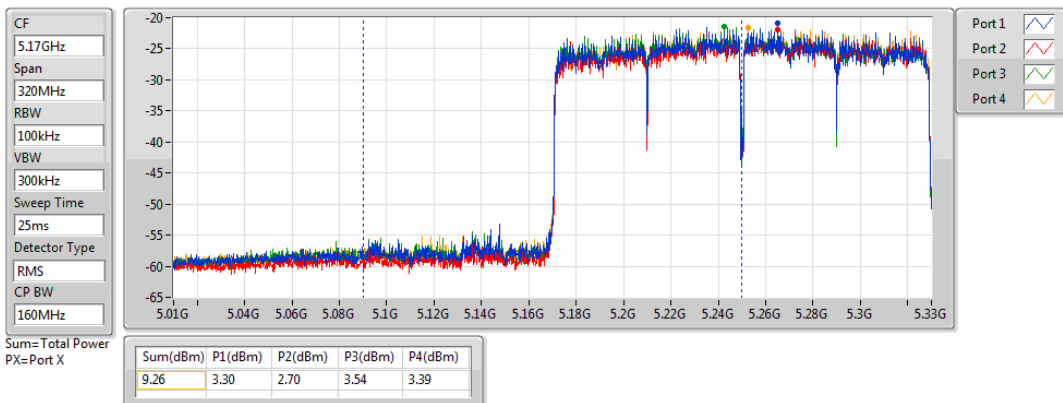


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

02/12/2019



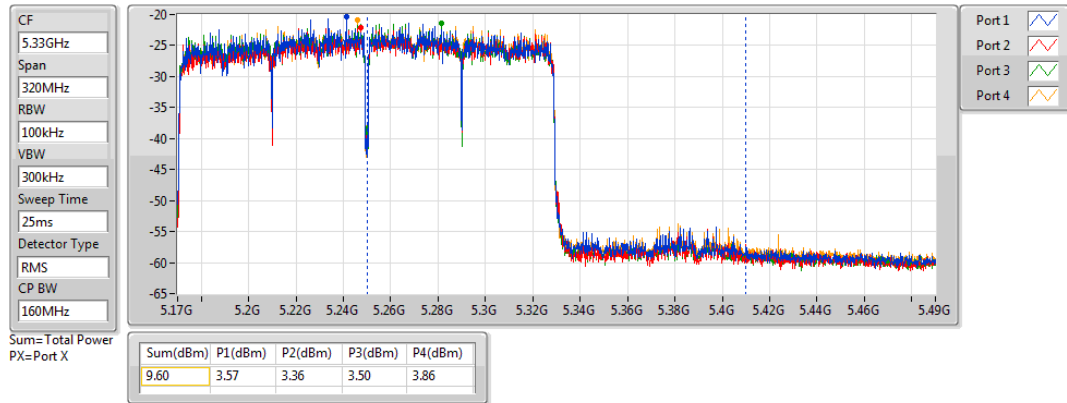


802.11ax HEW160_Nss4,(MCS0)_4TX

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	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.48	0.14060	29.48	0.88716
802.11ac VHT20_Nss1,(MCS0)_1TX	21.29	0.13459	29.29	0.84918
802.11ac VHT40_Nss1,(MCS0)_1TX	21.07	0.12794	29.07	0.80724
802.11ac VHT80_Nss1,(MCS0)_1TX	14.78	0.03006	22.78	0.18967
802.11ax HEW20_Nss1,(MCS0)_1TX	21.42	0.13868	29.42	0.87498
802.11ax HEW40_Nss1,(MCS0)_1TX	20.88	0.12246	28.88	0.77268
802.11ax HEW80_Nss1,(MCS0)_1TX	15.44	0.03499	23.44	0.22080
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.31	0.13521	29.31	0.85310
802.11ac VHT20_Nss1,(MCS0)_1TX	21.35	0.13646	29.35	0.86099
802.11ac VHT40_Nss1,(MCS0)_1TX	21.26	0.13366	29.26	0.84333
802.11ac VHT80_Nss1,(MCS0)_1TX	20.44	0.11066	28.44	0.69823
802.11ax HEW20_Nss1,(MCS0)_1TX	21.49	0.14093	29.49	0.88920
802.11ax HEW40_Nss1,(MCS0)_1TX	21.46	0.13996	29.46	0.88308
802.11ax HEW80_Nss1,(MCS0)_1TX	20.53	0.11298	28.53	0.71285
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.89	0.03083	22.89	0.19454
802.11ac VHT20_Nss1,(MCS0)_1TX	15.70	0.03715	23.70	0.23442
802.11ac VHT40_Nss1,(MCS0)_1TX	10.88	0.01225	18.88	0.07727
802.11ac VHT80_Nss1,(MCS0)_1TX	6.48	0.00445	14.48	0.02805
802.11ax HEW20_Nss1,(MCS0)_1TX	16.30	0.04266	24.30	0.26915
802.11ax HEW40_Nss1,(MCS0)_1TX	11.57	0.01435	19.57	0.09057
802.11ax HEW80_Nss1,(MCS0)_1TX	7.25	0.00531	15.25	0.03350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	21.48	21.48	21.98	29.48	30.00
5300MHz_TnomVnom	Pass	8.00	21.44	21.44	21.98	29.44	30.00
5320MHz_TnomVnom	Pass	8.00	19.10	19.10	21.98	27.10	30.00
5500MHz_TnomVnom	Pass	8.00	16.90	16.90	21.98	24.90	30.00
5580MHz_TnomVnom	Pass	8.00	21.31	21.31	21.98	29.31	30.00
5700MHz_TnomVnom	Pass	8.00	17.58	17.58	21.98	25.58	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	20.88	20.88	21.23	28.88	29.23
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	14.89	14.89	28.00	22.89	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	21.29	21.29	21.98	29.29	30.00
5300MHz_TnomVnom	Pass	8.00	21.23	21.23	21.98	29.23	30.00
5320MHz_TnomVnom	Pass	8.00	18.71	18.71	21.98	26.71	30.00
5500MHz_TnomVnom	Pass	8.00	17.44	17.44	21.98	25.44	30.00
5580MHz_TnomVnom	Pass	8.00	21.05	21.05	21.98	29.05	30.00
5700MHz_TnomVnom	Pass	8.00	14.14	14.14	21.98	22.14	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	21.35	21.35	21.67	29.35	29.67
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	15.70	15.70	28.00	23.70	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	8.00	21.07	21.07	21.98	29.07	30.00
5310MHz_TnomVnom	Pass	8.00	14.55	14.55	21.98	22.55	30.00
5510MHz_TnomVnom	Pass	8.00	15.13	15.13	21.98	23.13	30.00
5550MHz_TnomVnom	Pass	8.00	21.22	21.22	21.98	29.22	30.00
5670MHz_TnomVnom	Pass	8.00	18.62	18.62	21.98	26.62	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	21.26	21.26	21.98	29.26	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	10.88	10.88	28.00	18.88	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	8.00	14.78	14.78	21.98	22.78	30.00
5530MHz_TnomVnom	Pass	8.00	13.72	13.72	21.98	21.72	30.00
5610MHz_TnomVnom	Pass	8.00	18.74	18.74	21.98	26.74	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	20.44	20.44	21.98	28.44	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	6.48	6.48	28.00	14.48	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	21.42	21.42	21.98	29.42	30.00
5300MHz_TnomVnom	Pass	8.00	21.41	21.41	21.98	29.41	30.00
5320MHz_TnomVnom	Pass	8.00	19.04	19.04	21.98	27.04	30.00
5500MHz_TnomVnom	Pass	8.00	17.71	17.71	21.98	25.71	30.00
5580MHz_TnomVnom	Pass	8.00	21.48	21.48	21.98	29.48	30.00
5700MHz_TnomVnom	Pass	8.00	14.53	14.53	21.98	22.53	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	21.49	21.49	21.53	29.49	29.53
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	16.30	16.30	28.00	24.30	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	8.00	20.88	20.88	21.98	28.88	30.00
5310MHz_TnomVnom	Pass	8.00	14.97	14.97	21.98	22.97	30.00



Average Power_Non-Beamforming_Sample 2_Radio 3_Omni_1T1S Appendix B.15

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz_TnomVnom	Pass	8.00	15.39	15.39	21.98	23.39	30.00
5550MHz_TnomVnom	Pass	8.00	21.46	21.46	21.98	29.46	30.00
5670MHz_TnomVnom	Pass	8.00	18.80	18.80	21.98	26.80	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	21.31	21.31	21.98	29.31	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	11.57	11.57	28.00	19.57	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	8.00	15.44	15.44	21.98	23.44	30.00
5530MHz_TnomVnom	Pass	8.00	14.39	14.39	21.98	22.39	30.00
5610MHz_TnomVnom	Pass	8.00	19.53	19.53	21.98	27.53	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	20.53	20.53	21.98	28.53	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	7.25	7.25	28.00	15.25	36.00

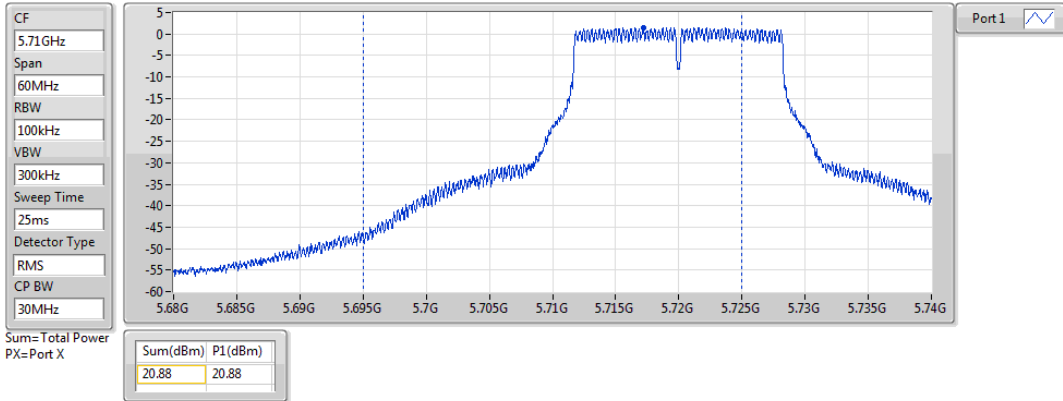
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

13/11/2019

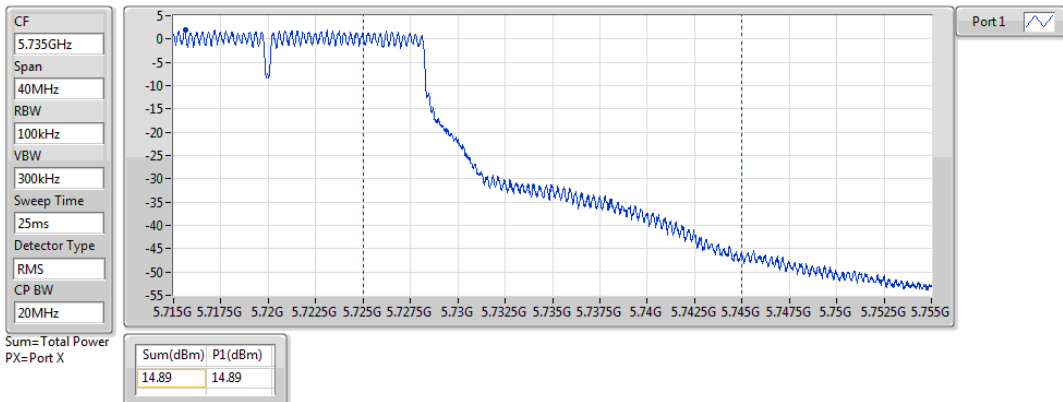


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

13/11/2019

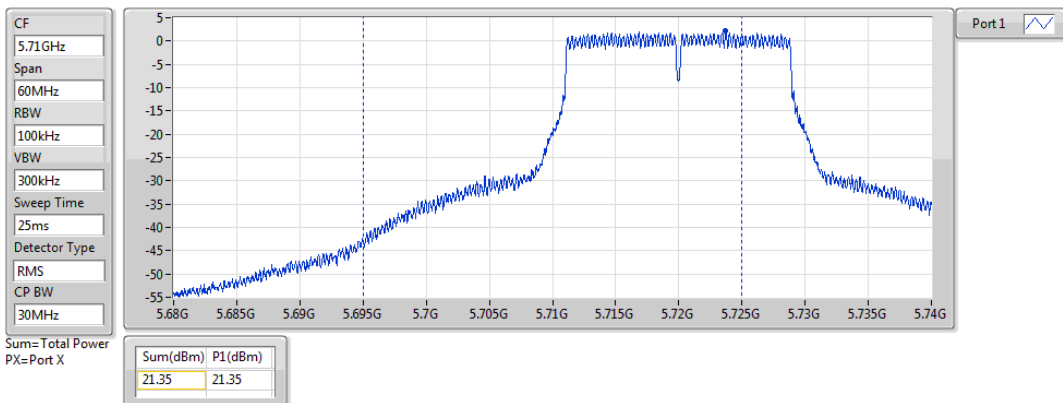


802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

13/11/2019

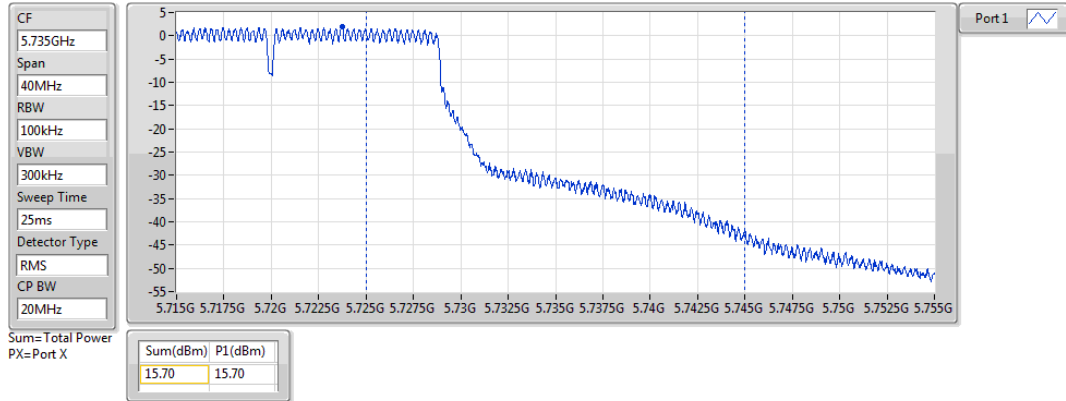


802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

13/11/2019

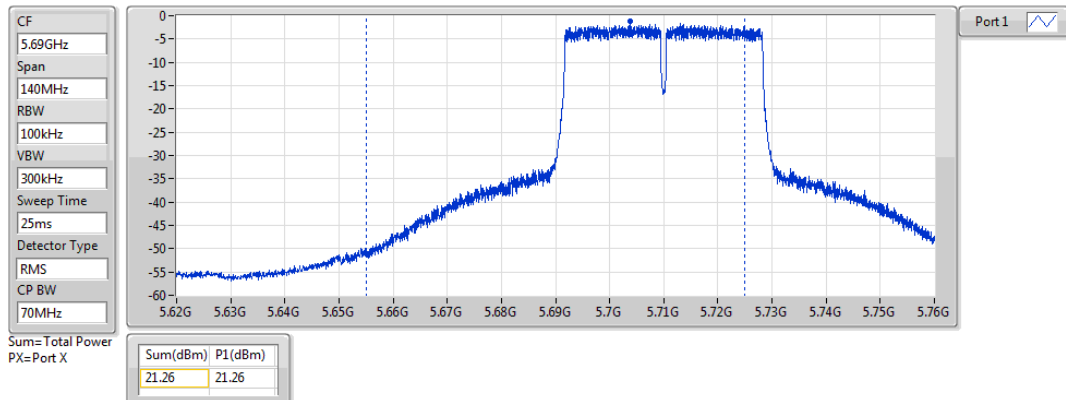


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

13/11/2019

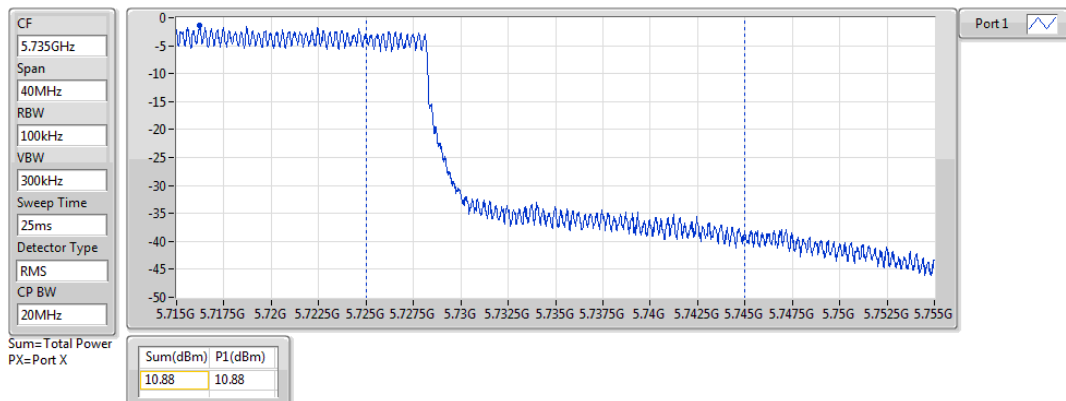


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

13/11/2019

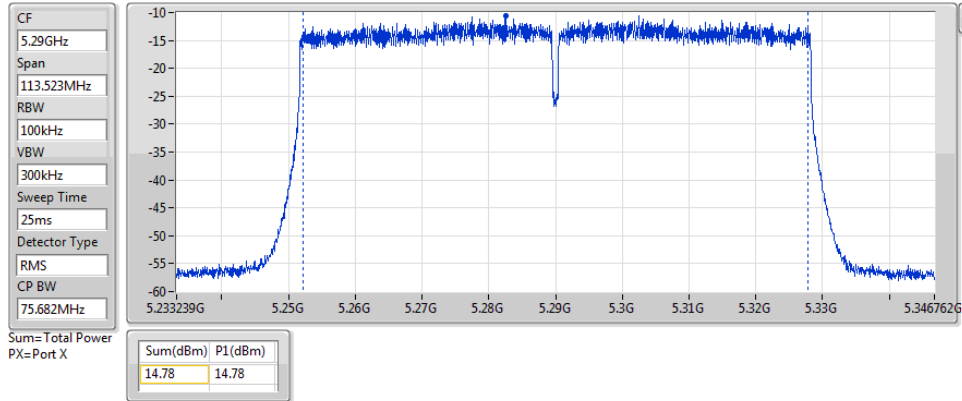


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5290MHz

07/11/2019

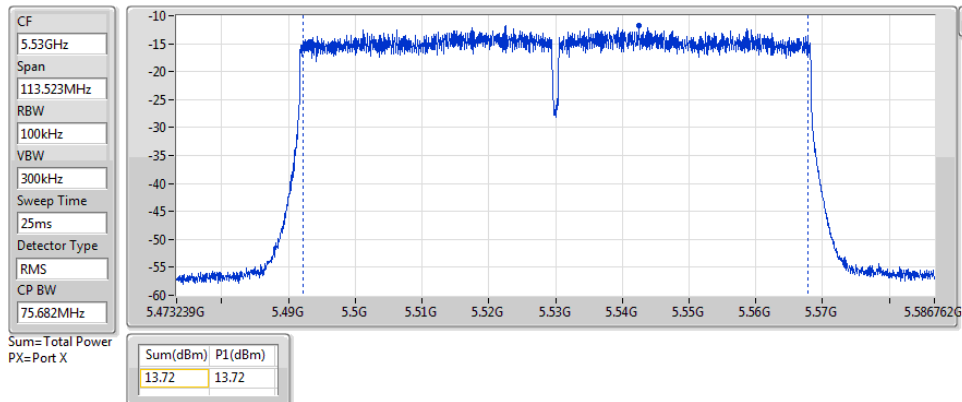


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5530MHz

07/11/2019

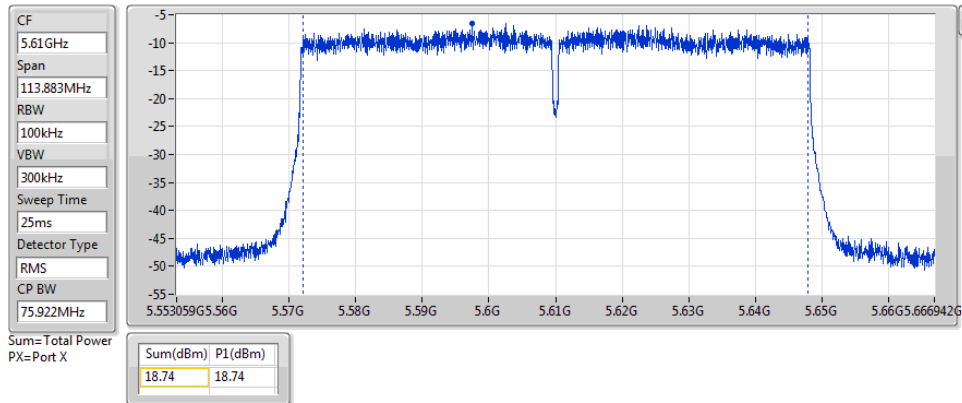


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5610MHz

07/11/2019

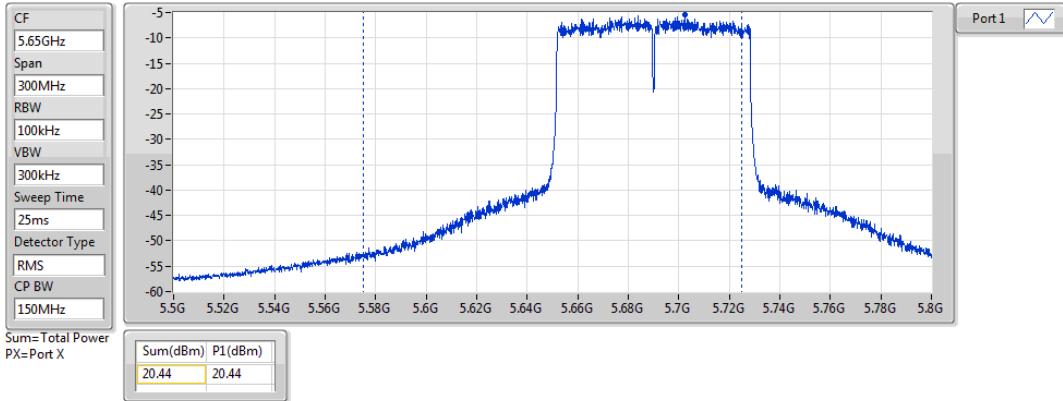


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

07/11/2019

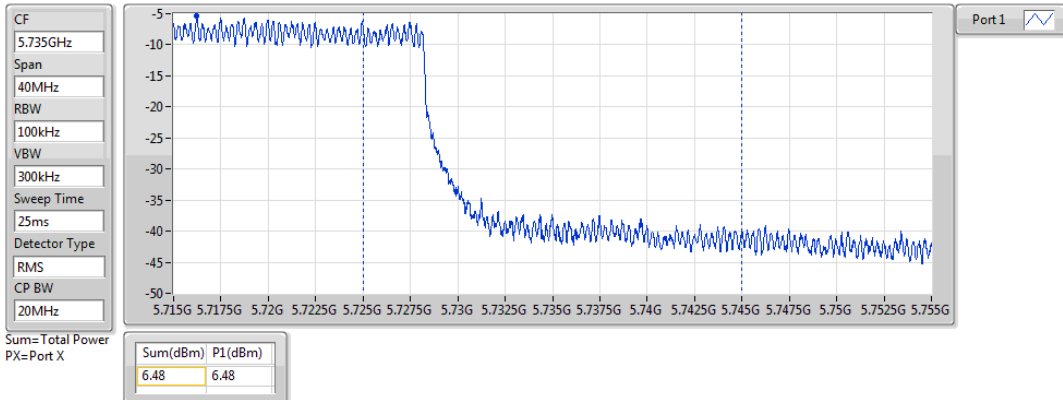


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

07/11/2019

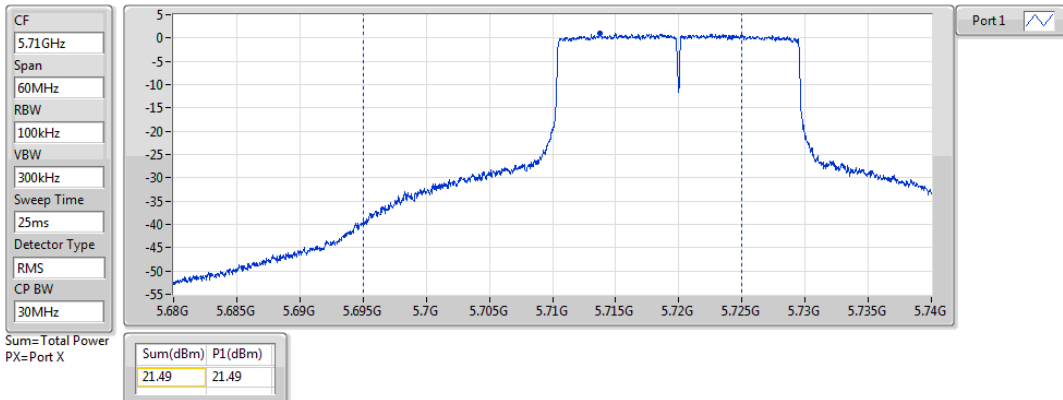


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

13/11/2019

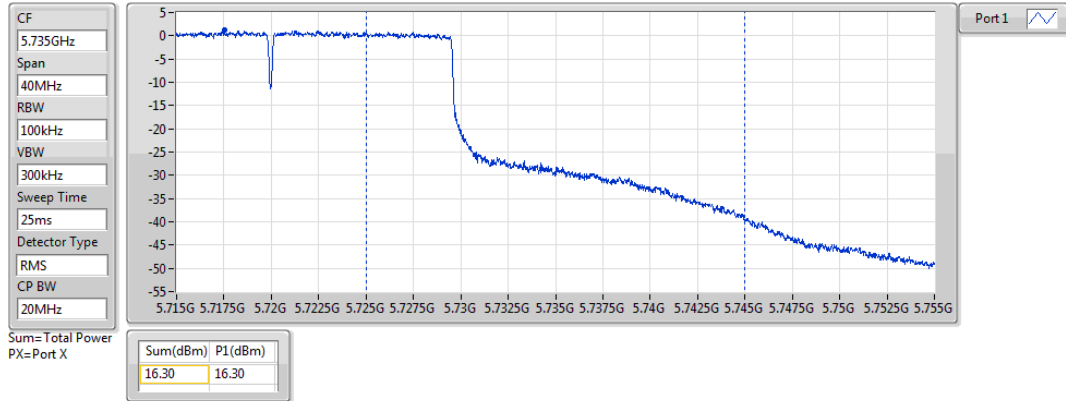


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

13/11/2019

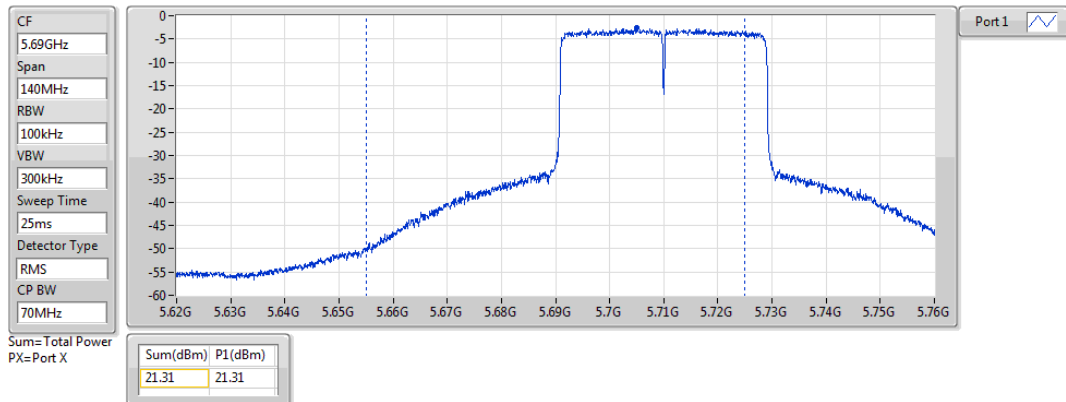


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

13/11/2019

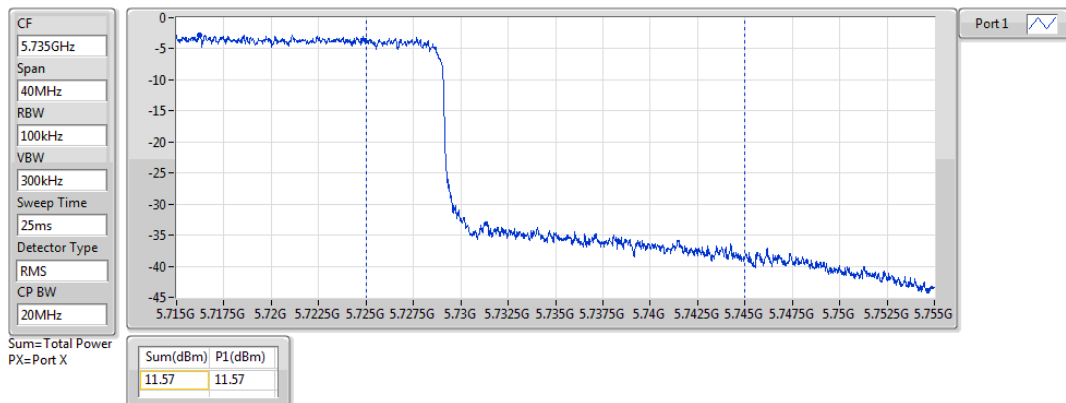


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

13/11/2019



802.11ax HEW80_Nss1,(MCS0)_1TX

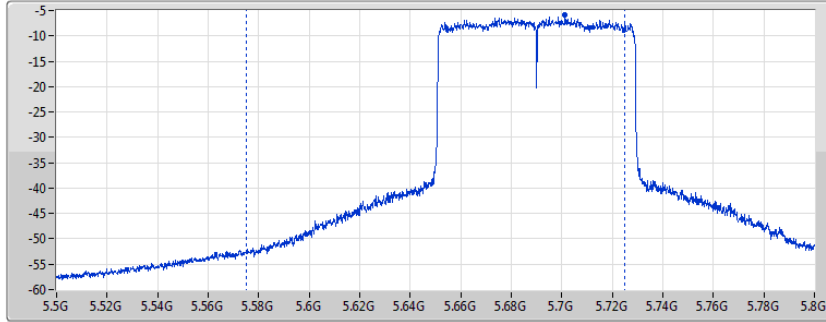
AV Power

5690MHz Straddle 5.47-5.725GHz

07/11/2019

CF
5.65GHz
Span
300MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
150MHz

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
20.53	20.53

802.11ax HEW80_Nss1,(MCS0)_1TX

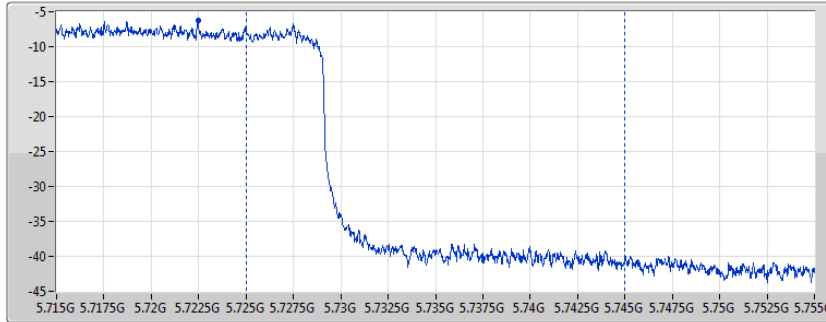
AV Power

5690MHz Straddle 5.725-5.85GHz

07/11/2019

CF
5.735GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
20MHz

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
7.25	7.25



Average Power_Non-Beamforming_Sample 2_Radio 3_Omni_2T2S Appendix B.16

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	18.96	0.07870	26.96	0.49659
802.11ac VHT20_Nss2,(MCS0)_2TX	21.22	0.13243	29.22	0.83560
802.11ac VHT40_Nss2,(MCS0)_2TX	21.15	0.13032	29.15	0.82224
802.11ac VHT80_Nss2,(MCS0)_2TX	16.12	0.04093	24.12	0.25823
802.11ax HEW20_Nss2,(MCS0)_2TX	21.46	0.13996	29.46	0.88308
802.11ax HEW40_Nss2,(MCS0)_2TX	21.36	0.13677	29.36	0.86298
802.11ax HEW80_Nss2,(MCS0)_2TX	16.33	0.04295	24.33	0.27102
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	18.92	0.07798	26.92	0.49204
802.11ac VHT20_Nss2,(MCS0)_2TX	21.28	0.13428	29.28	0.84723
802.11ac VHT40_Nss2,(MCS0)_2TX	21.38	0.13740	29.38	0.86696
802.11ac VHT80_Nss2,(MCS0)_2TX	21.23	0.13274	29.23	0.83753
802.11ax HEW20_Nss2,(MCS0)_2TX	21.45	0.13964	29.45	0.88105
802.11ax HEW40_Nss2,(MCS0)_2TX	21.47	0.14028	29.47	0.88512
802.11ax HEW80_Nss2,(MCS0)_2TX	21.48	0.14060	29.48	0.88716
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.38	0.01730	20.38	0.10914
802.11ac VHT20_Nss2,(MCS0)_2TX	15.48	0.03532	23.48	0.22284
802.11ac VHT40_Nss2,(MCS0)_2TX	11.33	0.01358	19.33	0.08570
802.11ac VHT80_Nss2,(MCS0)_2TX	7.46	0.00557	15.46	0.03516
802.11ax HEW20_Nss2,(MCS0)_2TX	16.07	0.04046	24.07	0.25527
802.11ax HEW40_Nss2,(MCS0)_2TX	12.03	0.01596	20.03	0.10069
802.11ax HEW80_Nss2,(MCS0)_2TX	8.30	0.00676	16.30	0.04266



Average Power_Non-Beamforming_Sample 2_Radio 3_Omni_2T2S Appendix B.16

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	16.08	15.61	18.86	21.98	26.86	30.00
5300MHz_TnomVnom	Pass	8.00	16.26	15.61	18.96	21.98	26.96	30.00
5320MHz_TnomVnom	Pass	8.00	16.10	15.66	18.90	21.98	26.90	30.00
5500MHz_TnomVnom	Pass	8.00	16.19	15.62	18.92	21.98	26.92	30.00
5580MHz_TnomVnom	Pass	8.00	16.01	15.41	18.73	21.98	26.73	30.00
5700MHz_TnomVnom	Pass	8.00	16.10	15.55	18.84	21.98	26.84	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	15.09	14.55	17.84	20.92	25.84	28.92
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	9.65	9.07	12.38	28.00	20.38	36.00
802.11ac_VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	18.54	17.85	21.22	21.98	29.22	30.00
5300MHz_TnomVnom	Pass	8.00	18.43	17.72	21.10	21.98	29.10	30.00
5320MHz_TnomVnom	Pass	8.00	16.83	16.08	19.48	21.98	27.48	30.00
5500MHz_TnomVnom	Pass	8.00	18.17	17.54	20.88	21.98	28.88	30.00
5580MHz_TnomVnom	Pass	8.00	18.63	17.87	21.28	21.98	29.28	30.00
5700MHz_TnomVnom	Pass	8.00	15.43	15.23	18.34	21.98	26.34	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	17.87	17.31	20.61	20.99	28.61	28.99
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	12.87	12.02	15.48	28.00	23.48	36.00
802.11ac_VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	8.00	18.37	17.90	21.15	21.98	29.15	30.00
5310MHz_TnomVnom	Pass	8.00	16.31	15.55	18.96	21.98	26.96	30.00
5510MHz_TnomVnom	Pass	8.00	14.09	13.65	16.89	21.98	24.89	30.00
5550MHz_TnomVnom	Pass	8.00	18.76	17.94	21.38	21.98	29.38	30.00
5670MHz_TnomVnom	Pass	8.00	16.69	16.07	19.40	21.98	27.40	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	18.67	17.98	21.35	21.98	29.35	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	8.74	7.85	11.33	28.00	19.33	36.00
802.11ac_VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	8.00	12.76	13.43	16.12	21.98	24.12	30.00
5530MHz_TnomVnom	Pass	8.00	13.14	12.69	15.93	21.98	23.93	30.00
5610MHz_TnomVnom	Pass	8.00	18.49	17.94	21.23	21.98	29.23	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	18.43	17.74	21.11	21.98	29.11	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	4.78	4.09	7.46	28.00	15.46	36.00
802.11ax_HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	8.00	18.75	18.12	21.46	21.98	29.46	30.00
5300MHz_TnomVnom	Pass	8.00	18.71	18.02	21.39	21.98	29.39	30.00
5320MHz_TnomVnom	Pass	8.00	16.99	16.36	19.70	21.98	27.70	30.00
5500MHz_TnomVnom	Pass	8.00	18.65	17.79	21.25	21.98	29.25	30.00
5580MHz_TnomVnom	Pass	8.00	18.82	18.03	21.45	21.98	29.45	30.00
5700MHz_TnomVnom	Pass	8.00	15.68	15.43	18.57	21.98	26.57	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	18.11	17.44	20.80	20.94	28.80	28.94
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	13.38	12.71	16.07	28.00	24.07	36.00
802.11ax_HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	8.00	18.68	17.99	21.36	21.98	29.36	30.00
5310MHz_TnomVnom	Pass	8.00	16.54	15.91	19.25	21.98	27.25	30.00



Average Power_Non-Beamforming_Sample 2_Radio 3_Omni_2T2S Appendix B.16

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz_TnomVnom	Pass	8.00	14.28	13.84	17.08	21.98	25.08	30.00
5550MHz_TnomVnom	Pass	8.00	18.74	18.17	21.47	21.98	29.47	30.00
5670MHz_TnomVnom	Pass	8.00	16.86	16.28	19.59	21.98	27.59	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	18.81	18.08	21.47	21.98	29.47	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	9.45	8.55	12.03	28.00	20.03	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	8.00	13.11	13.52	16.33	21.98	24.33	30.00
5530MHz_TnomVnom	Pass	8.00	13.28	12.87	16.09	21.98	24.09	30.00
5610MHz_TnomVnom	Pass	8.00	18.82	18.08	21.48	21.98	29.48	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	8.00	18.72	17.93	21.35	21.98	29.35	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	8.00	5.77	4.75	8.30	28.00	16.30	36.00

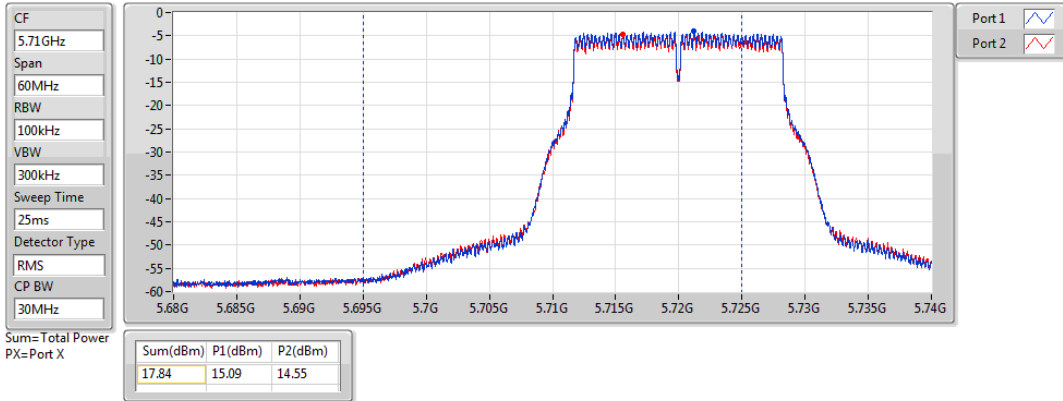
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

13/11/2019

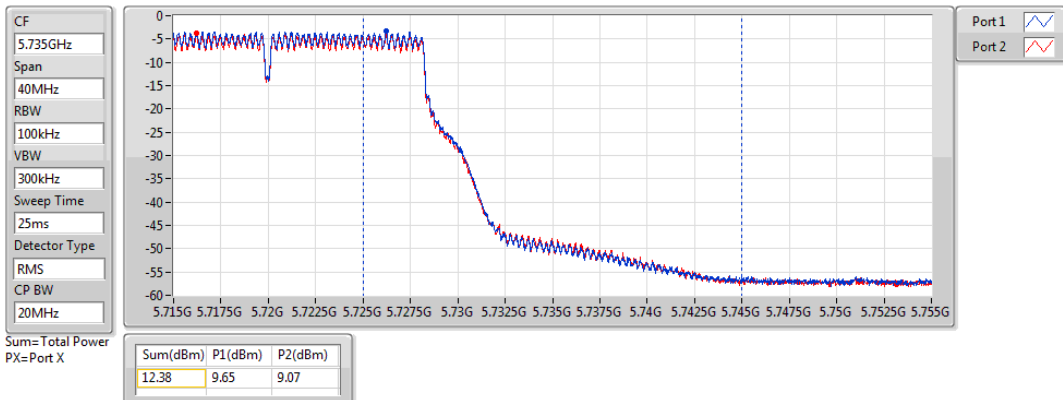


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

13/11/2019

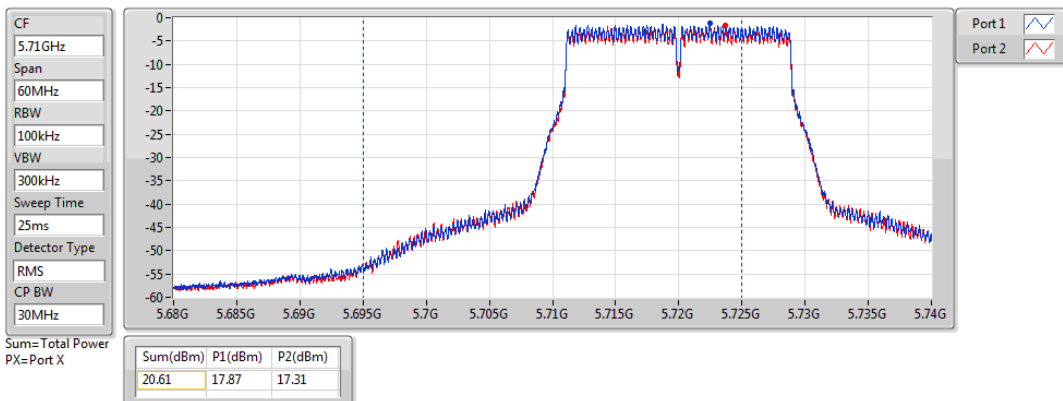


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

07/11/2019



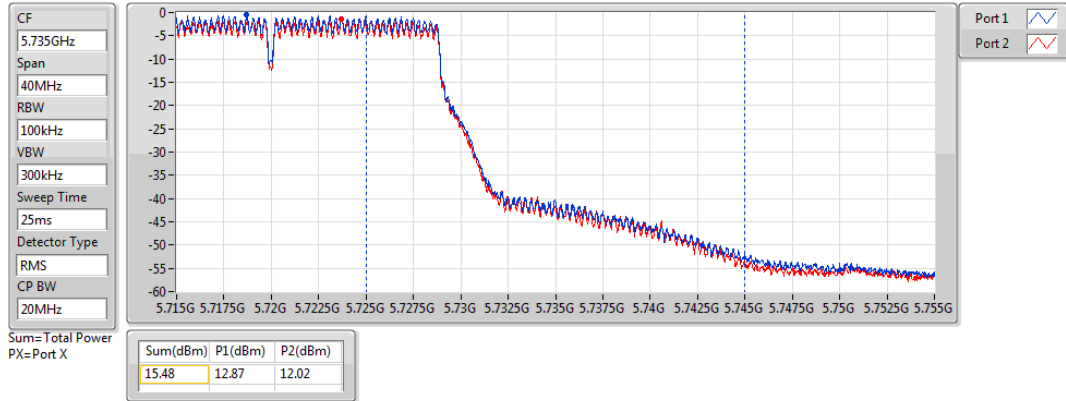


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

07/11/2019

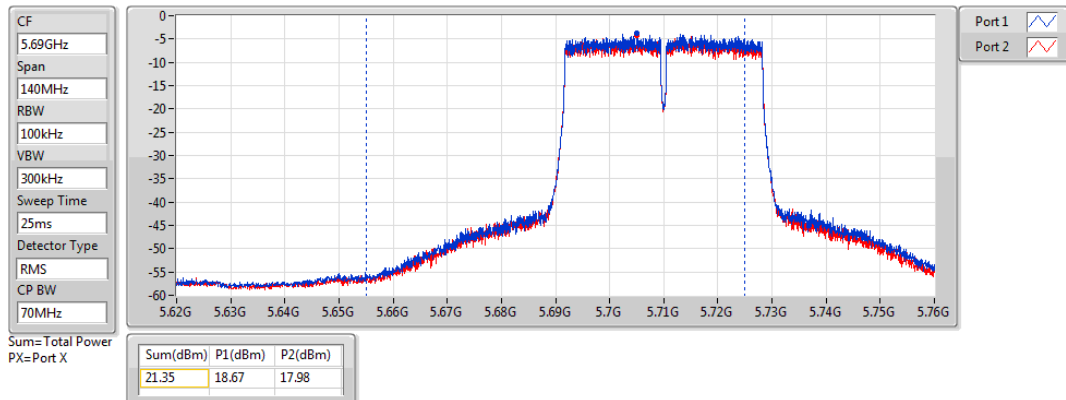


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

07/11/2019

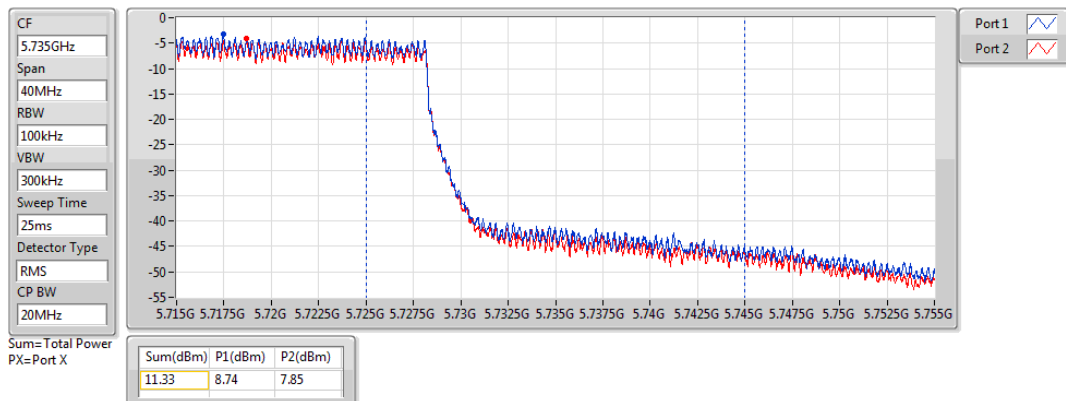


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

07/11/2019



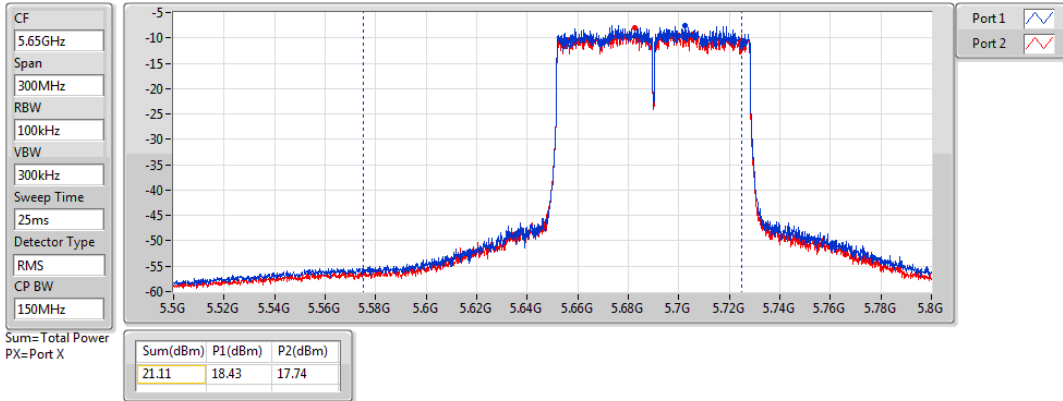


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

07/11/2019

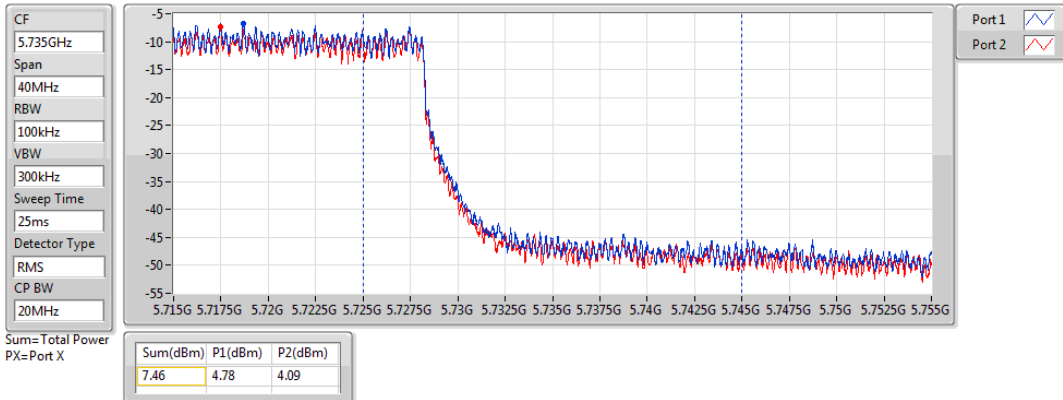


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

07/11/2019

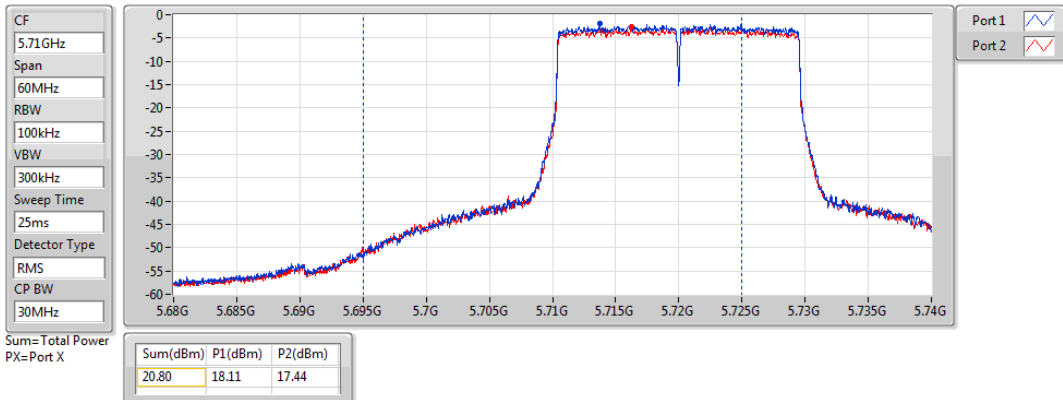


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

07/11/2019

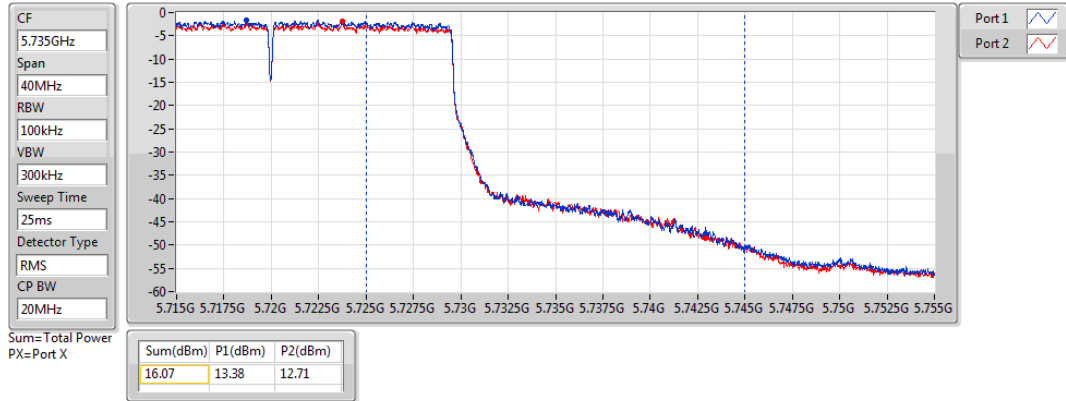


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

07/11/2019

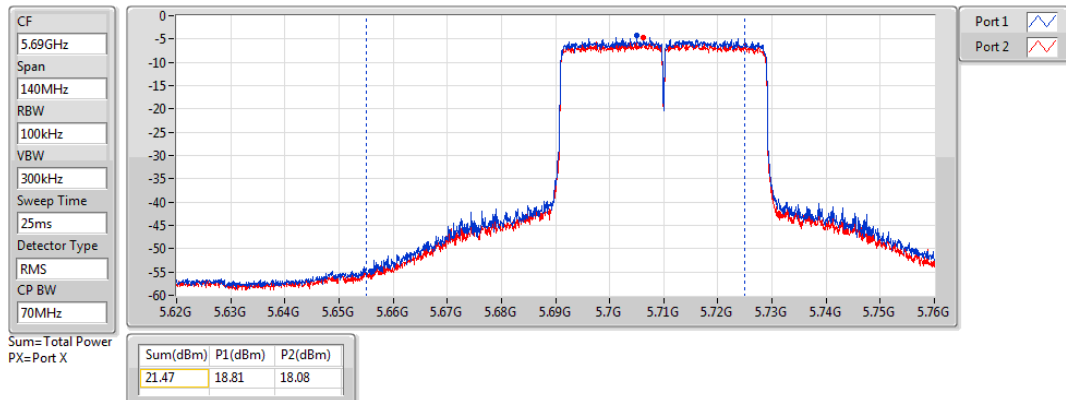


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

07/11/2019

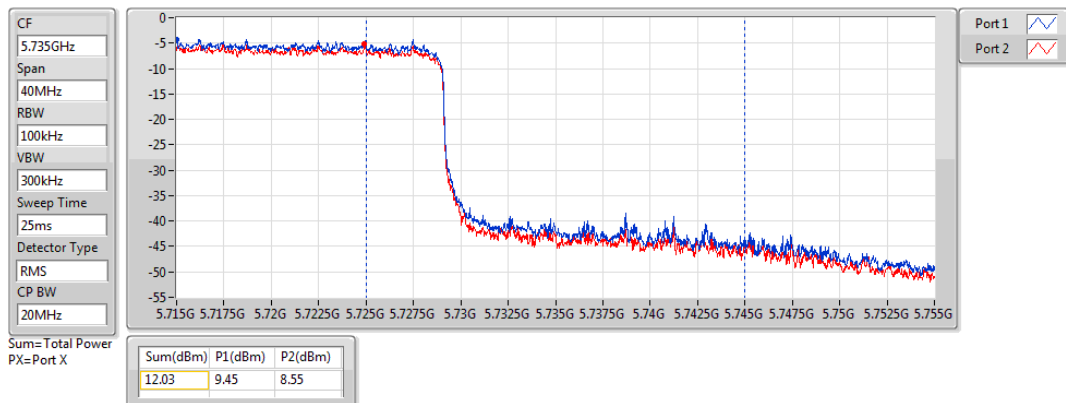


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

07/11/2019



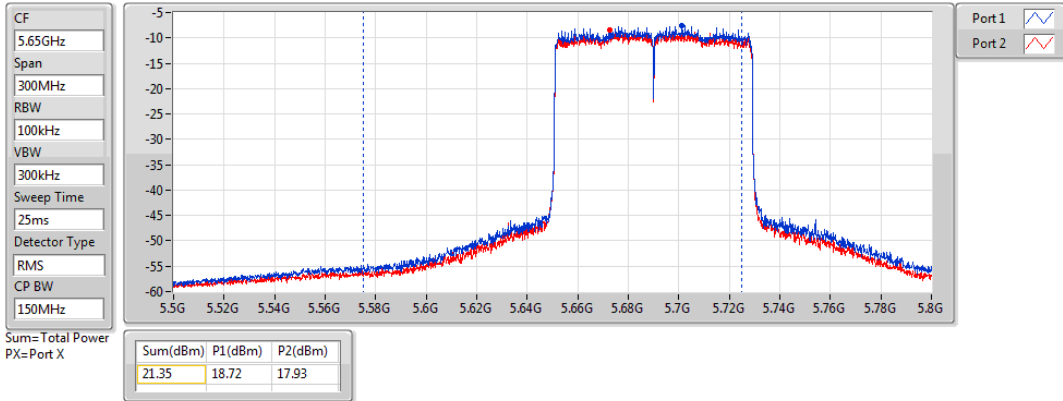


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

07/11/2019

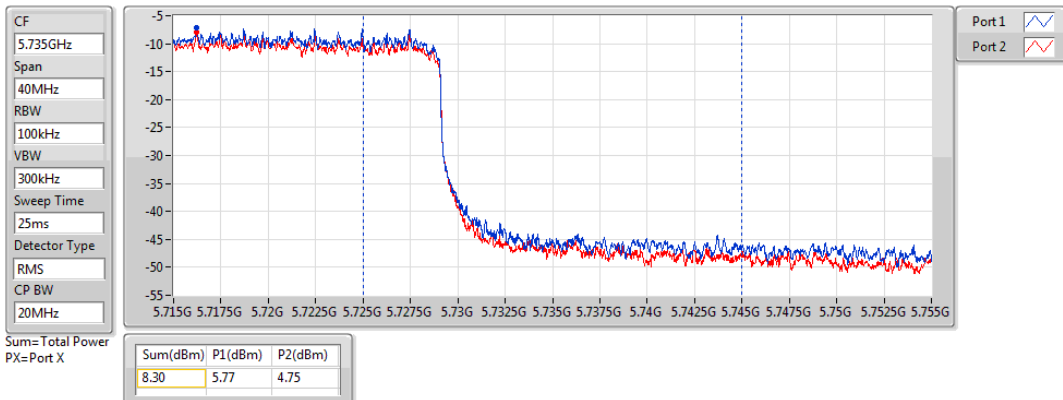


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

07/11/2019





Average Power_Non-Beamforming_Sample 2_Radio 3_Panel 1_1T1S Appendix B.17

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.10	0.08128	29.80	0.95499
802.11ac VHT20_Nss1,(MCS0)_1TX	18.89	0.07745	29.59	0.90991
802.11ac VHT40_Nss1,(MCS0)_1TX	18.86	0.07691	29.56	0.90365
802.11ac VHT80_Nss1,(MCS0)_1TX	13.71	0.02350	24.41	0.27606
802.11ax HEW20_Nss1,(MCS0)_1TX	19.25	0.08414	29.95	0.98855
802.11ax HEW40_Nss1,(MCS0)_1TX	18.96	0.07870	29.66	0.92470
802.11ax HEW80_Nss1,(MCS0)_1TX	14.15	0.02600	24.85	0.30549
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.18	0.08279	29.88	0.97275
802.11ac VHT20_Nss1,(MCS0)_1TX	18.96	0.07870	29.66	0.92470
802.11ac VHT40_Nss1,(MCS0)_1TX	18.55	0.07161	29.25	0.84140
802.11ac VHT80_Nss1,(MCS0)_1TX	18.87	0.07709	29.57	0.90573
802.11ax HEW20_Nss1,(MCS0)_1TX	19.23	0.08375	29.93	0.98401
802.11ax HEW40_Nss1,(MCS0)_1TX	19.04	0.08017	29.74	0.94189
802.11ax HEW80_Nss1,(MCS0)_1TX	19.24	0.08395	29.94	0.98628
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	12.05	0.01603	22.75	0.18836
802.11ac VHT20_Nss1,(MCS0)_1TX	12.59	0.01816	23.29	0.21330
802.11ac VHT40_Nss1,(MCS0)_1TX	7.97	0.00627	18.67	0.07362
802.11ac VHT80_Nss1,(MCS0)_1TX	4.55	0.00285	15.25	0.03350
802.11ax HEW20_Nss1,(MCS0)_1TX	13.30	0.02138	24.00	0.25119
802.11ax HEW40_Nss1,(MCS0)_1TX	9.02	0.00798	19.72	0.09376
802.11ax HEW80_Nss1,(MCS0)_1TX	5.52	0.00356	16.22	0.04188



Average Power Non-Beamforming Sample 2 Radio 3 Panel 1 1T1S Appendix B.17

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	10.70	19.10	19.10	19.28	29.80	30.00
5300MHz	Pass	10.70	19.03	19.03	19.28	29.73	30.00
5320MHz	Pass	10.70	16.58	16.58	19.28	27.28	30.00
5500MHz	Pass	10.70	15.34	15.34	19.28	26.04	30.00
5580MHz	Pass	10.70	19.18	19.18	19.28	29.88	30.00
5700MHz	Pass	10.70	15.76	15.76	19.28	26.46	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	18.25	18.25	18.53	28.95	29.23
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	12.05	12.05	25.30	22.75	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	10.70	18.89	18.89	19.28	29.59	30.00
5300MHz	Pass	10.70	18.66	18.66	19.28	29.36	30.00
5320MHz	Pass	10.70	16.50	16.50	19.28	27.20	30.00
5500MHz	Pass	10.70	15.55	15.55	19.28	26.25	30.00
5580MHz	Pass	10.70	18.96	18.96	19.28	29.66	30.00
5700MHz	Pass	10.70	13.28	13.28	19.28	23.98	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	18.23	18.23	18.95	28.93	29.65
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	12.59	12.59	25.30	23.29	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	10.70	18.86	18.86	19.28	29.56	30.00
5310MHz	Pass	10.70	14.35	14.35	19.28	25.05	30.00
5510MHz	Pass	10.70	14.55	14.55	19.28	25.25	30.00
5550MHz	Pass	10.70	18.55	18.55	19.28	29.25	30.00
5670MHz	Pass	10.70	16.11	16.11	19.28	26.81	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	18.51	18.51	19.28	29.21	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	7.97	7.97	25.30	18.67	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	10.70	13.71	13.71	19.28	24.41	30.00
5530MHz	Pass	10.70	14.33	14.33	19.28	25.03	30.00
5610MHz	Pass	10.70	16.97	16.97	19.28	27.67	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	18.87	18.87	19.28	29.57	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	4.55	4.55	25.30	15.25	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	10.70	19.25	19.25	19.28	29.95	30.00
5300MHz	Pass	10.70	19.08	19.08	19.28	29.78	30.00
5320MHz	Pass	10.70	16.92	16.92	19.28	27.62	30.00
5500MHz	Pass	10.70	15.91	15.91	19.28	26.61	30.00
5580MHz	Pass	10.70	19.23	19.23	19.28	29.93	30.00
5700MHz	Pass	10.70	13.66	13.66	19.28	24.36	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	18.48	18.48	18.56	29.18	29.26
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	13.30	13.30	25.30	24.00	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	10.70	18.96	18.96	19.28	29.66	30.00
5310MHz	Pass	10.70	14.37	14.37	19.28	25.07	30.00



Average Power_Non-Beamforming_Sample 2_Radio 3_Panel 1_1T1S Appendix B.17

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz	Pass	10.70	14.54	14.54	19.28	25.24	30.00
5550MHz	Pass	10.70	19.04	19.04	19.28	29.74	30.00
5670MHz	Pass	10.70	16.37	16.37	19.28	27.07	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	19.02	19.02	19.28	29.72	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	9.02	9.02	25.30	19.72	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	10.70	14.15	14.15	19.28	24.85	30.00
5530MHz	Pass	10.70	14.51	14.51	19.28	25.21	30.00
5610MHz	Pass	10.70	17.36	17.36	19.28	28.06	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	19.24	19.24	19.28	29.94	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	5.52	5.52	25.30	16.22	36.00

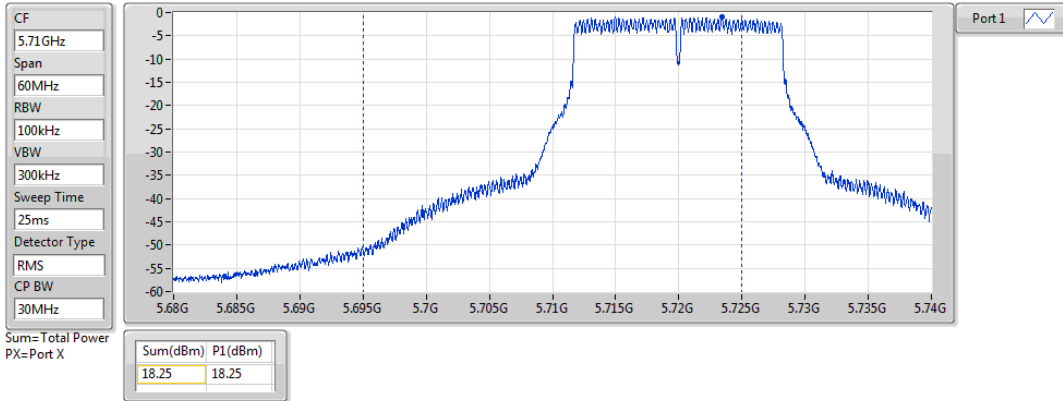
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

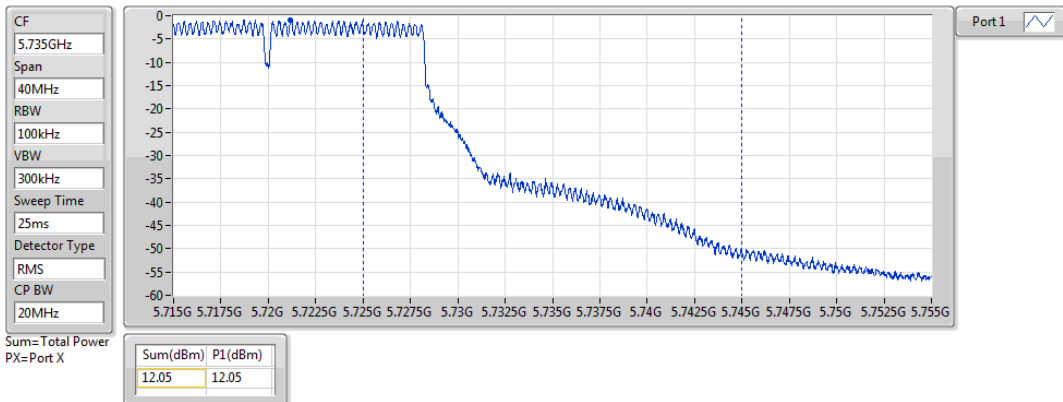


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

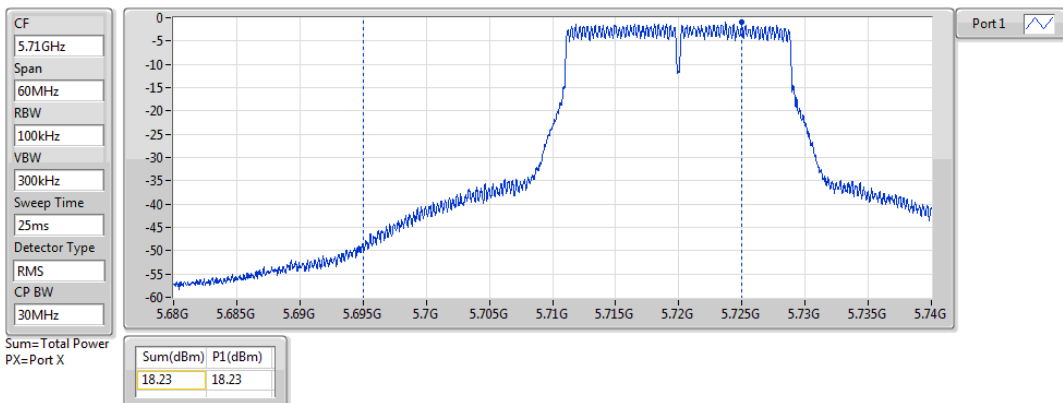


802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

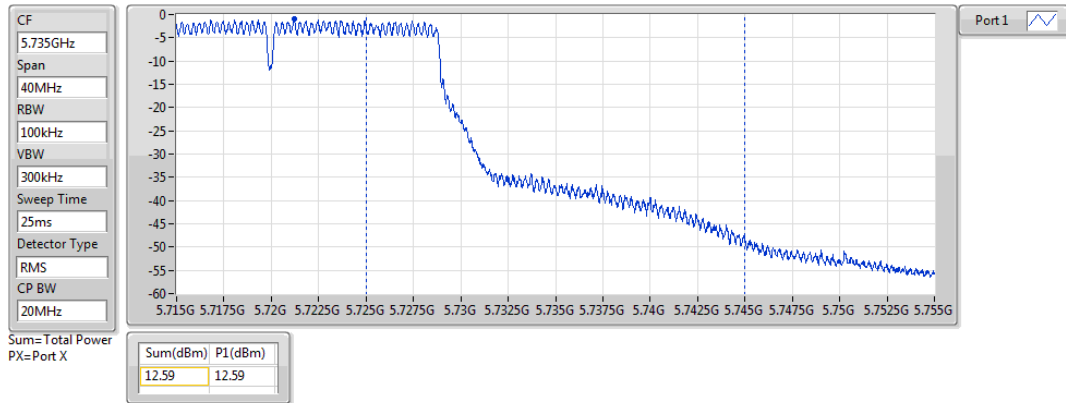


802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

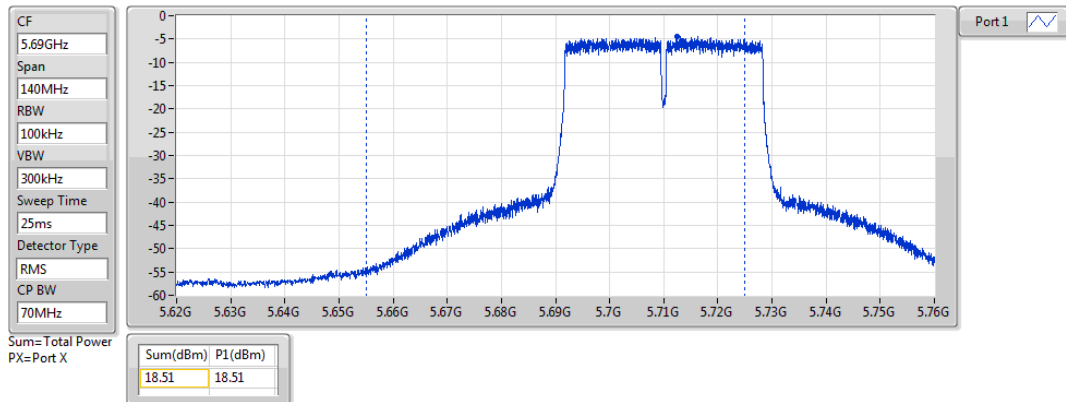


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

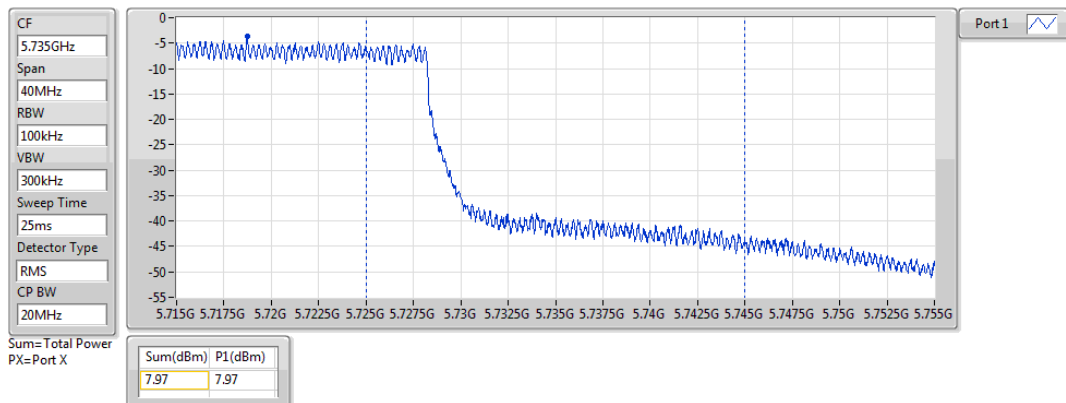


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019

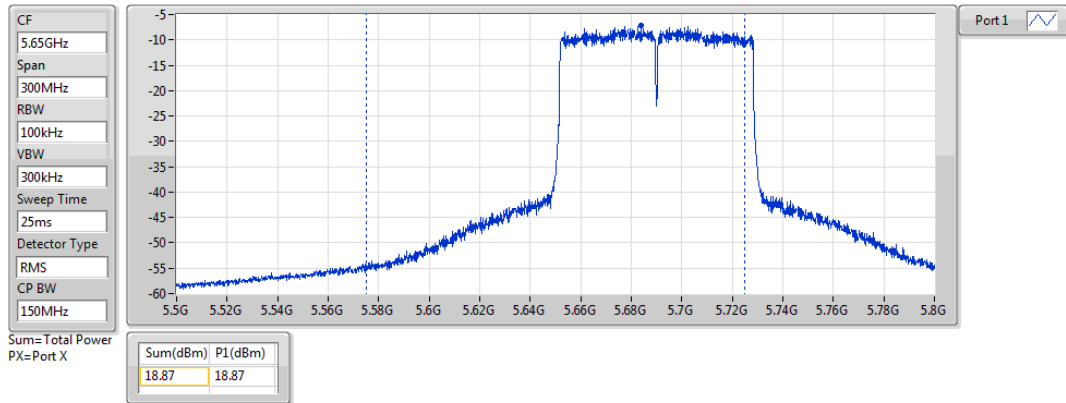


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

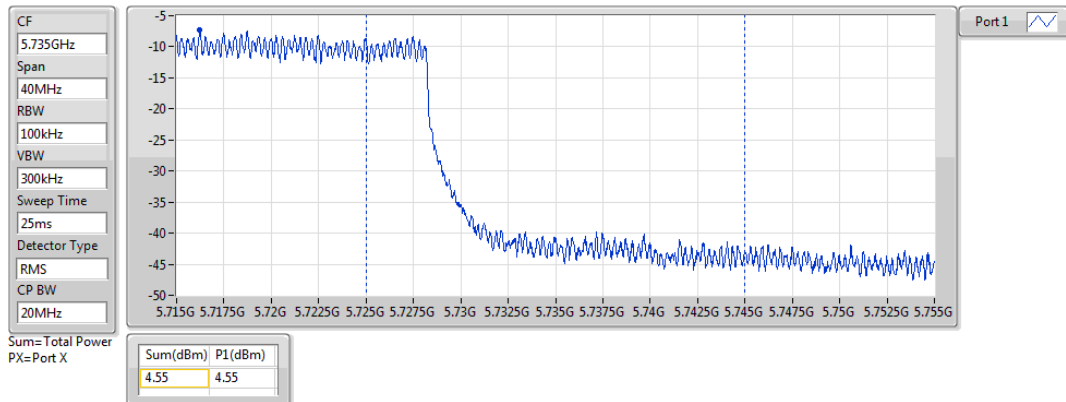


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019

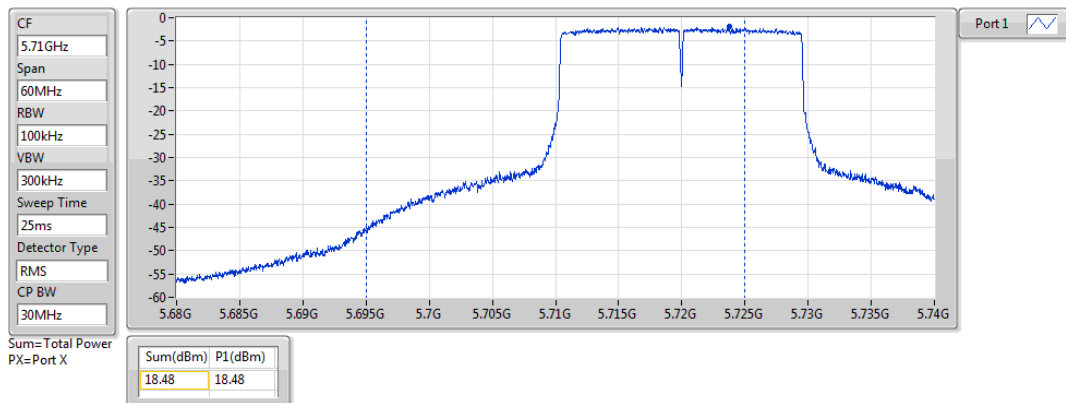


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

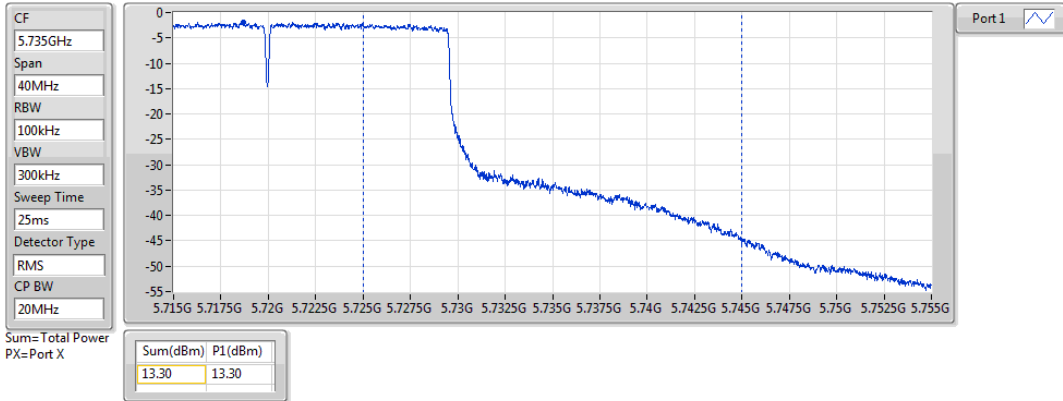


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

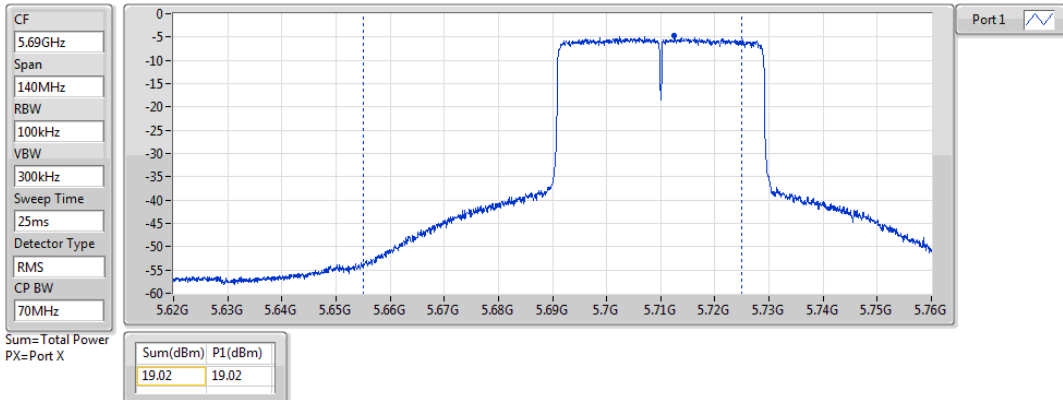


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

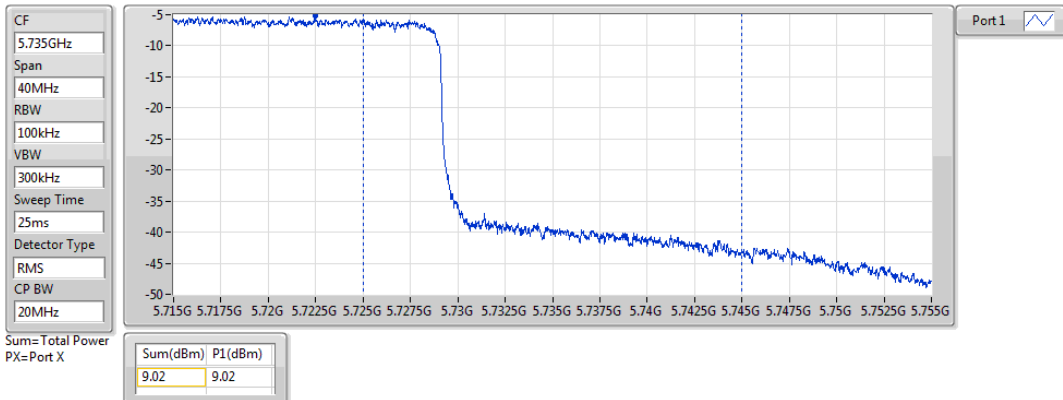


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019

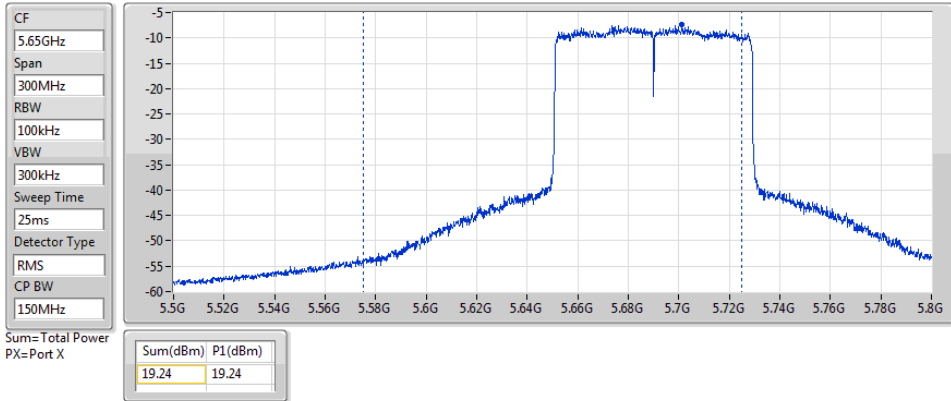


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

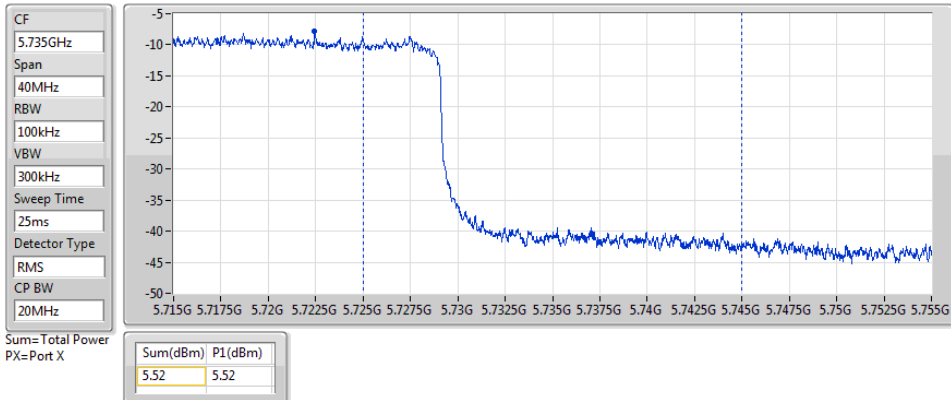


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019





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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.24	0.04207	26.94	0.49431
802.11ac VHT20_Nss2,(MCS0)_2TX	18.51	0.07096	29.21	0.83368
802.11ac VHT40_Nss2,(MCS0)_2TX	18.57	0.07194	29.27	0.84528
802.11ac VHT80_Nss2,(MCS0)_2TX	14.68	0.02938	25.38	0.34514
802.11ax HEW20_Nss2,(MCS0)_2TX	18.71	0.07430	29.41	0.87297
802.11ax HEW40_Nss2,(MCS0)_2TX	18.79	0.07568	29.49	0.88920
802.11ax HEW80_Nss2,(MCS0)_2TX	15.00	0.03162	25.70	0.37154
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.11	0.04083	26.81	0.47973
802.11ac VHT20_Nss2,(MCS0)_2TX	18.44	0.06982	29.14	0.82035
802.11ac VHT40_Nss2,(MCS0)_2TX	18.48	0.07047	29.18	0.82794
802.11ac VHT80_Nss2,(MCS0)_2TX	18.68	0.07379	29.38	0.86696
802.11ax HEW20_Nss2,(MCS0)_2TX	18.72	0.07447	29.42	0.87498
802.11ax HEW40_Nss2,(MCS0)_2TX	18.77	0.07534	29.47	0.88512
802.11ax HEW80_Nss2,(MCS0)_2TX	18.74	0.07482	29.44	0.87902
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	9.01	0.00796	19.71	0.09354
802.11ac VHT20_Nss2,(MCS0)_2TX	11.59	0.01442	22.29	0.16943
802.11ac VHT40_Nss2,(MCS0)_2TX	7.88	0.00614	18.58	0.07211
802.11ac VHT80_Nss2,(MCS0)_2TX	4.12	0.00258	14.82	0.03034
802.11ax HEW20_Nss2,(MCS0)_2TX	12.20	0.01660	22.90	0.19498
802.11ax HEW40_Nss2,(MCS0)_2TX	8.70	0.00741	19.40	0.08710
802.11ax HEW80_Nss2,(MCS0)_2TX	5.06	0.00321	15.76	0.03767

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	13.49	12.73	16.14	19.28	26.84	30.00
5300MHz	Pass	10.70	13.34	12.65	16.02	19.28	26.72	30.00
5320MHz	Pass	10.70	13.65	12.77	16.24	19.28	26.94	30.00
5500MHz	Pass	10.70	12.99	12.98	16.00	19.28	26.70	30.00
5580MHz	Pass	10.70	13.1	12.99	16.06	19.28	26.76	30.00
5700MHz	Pass	10.70	13.29	12.91	16.11	19.28	26.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	12.41	12.2	15.32	18.24	26.02	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	6.12	5.88	9.01	25.30	19.71	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	15.89	15.06	18.51	19.28	29.21	30.00
5300MHz	Pass	10.70	15.82	15.1	18.49	19.28	29.19	30.00
5320MHz	Pass	10.70	15.37	14.69	18.05	19.28	28.75	30.00
5500MHz	Pass	10.70	15.5	15.28	18.40	19.28	29.10	30.00
5580MHz	Pass	10.70	15.6	15.25	18.44	19.28	29.14	30.00
5700MHz	Pass	10.70	14.44	14.31	17.39	19.28	28.09	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	14.59	14.22	17.42	18.32	28.12	29.02
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	8.68	8.47	11.59	25.30	22.29	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.70	16.01	15.05	18.57	19.28	29.27	30.00
5310MHz	Pass	10.70	12.85	12.23	15.56	19.28	26.26	30.00
5510MHz	Pass	10.70	13.71	13.62	16.68	19.28	27.38	30.00
5550MHz	Pass	10.70	15.22	15.25	18.25	19.28	28.95	30.00
5670MHz	Pass	10.70	14.66	14.33	17.51	19.28	28.21	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.70	15.71	15.22	18.48	19.28	29.18	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.70	5.18	4.54	7.88	25.30	18.58	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.70	11.52	11.82	14.68	19.28	25.38	30.00
5530MHz	Pass	10.70	12.03	11.92	14.99	19.28	25.69	30.00
5610MHz	Pass	10.70	15.69	15.65	18.68	19.28	29.38	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.70	15.66	15.45	18.57	19.28	29.27	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.70	1.13	1.08	4.12	25.30	14.82	36.00
802.11ac HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.70	16.08	15.28	18.71	19.28	29.41	30.00
5300MHz	Pass	10.70	15.96	15.37	18.69	19.28	29.39	30.00
5320MHz	Pass	10.70	15.75	14.97	18.39	19.28	29.09	30.00
5500MHz	Pass	10.70	15.8	15.61	18.72	19.28	29.42	30.00
5580MHz	Pass	10.70	15.76	15.66	18.72	19.28	29.42	30.00
5700MHz	Pass	10.70	14.85	14.43	17.66	19.28	28.36	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.70	14.64	14.35	17.51	18.29	28.21	28.99
5720MHz Straddle 5.725-5.85GHz	Pass	10.70	9.42	8.94	12.20	25.30	22.90	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.70	16.24	15.27	18.79	19.28	29.49	30.00
5310MHz	Pass	10.70	13.19	12.51	15.87	19.28	26.57	30.00



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

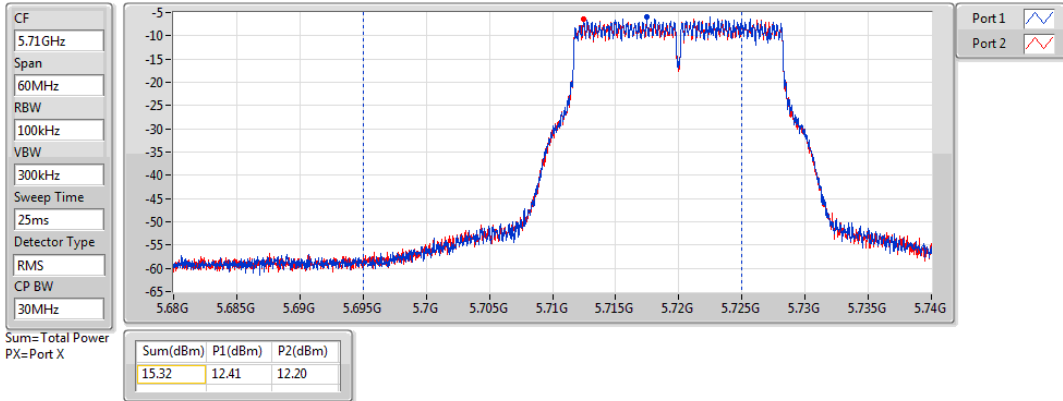
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

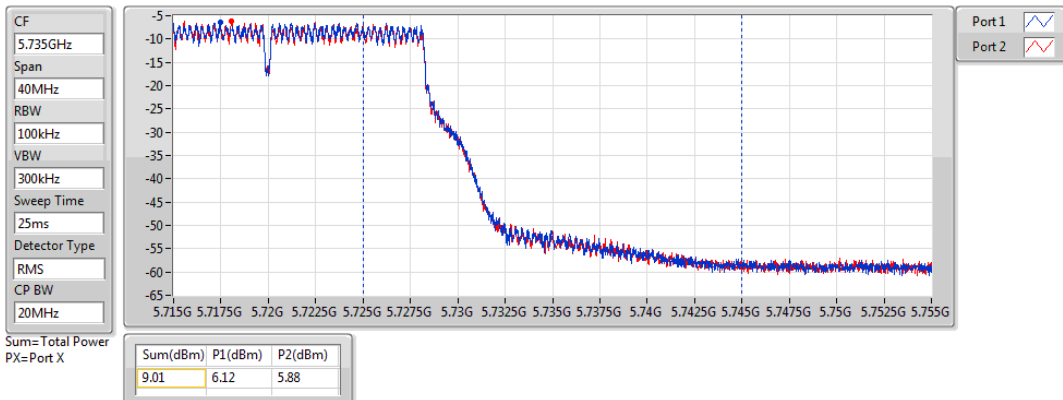


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

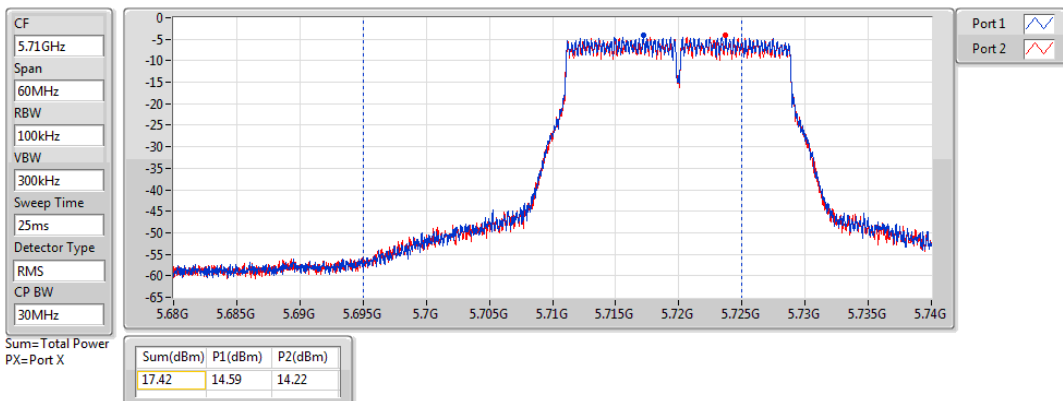


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

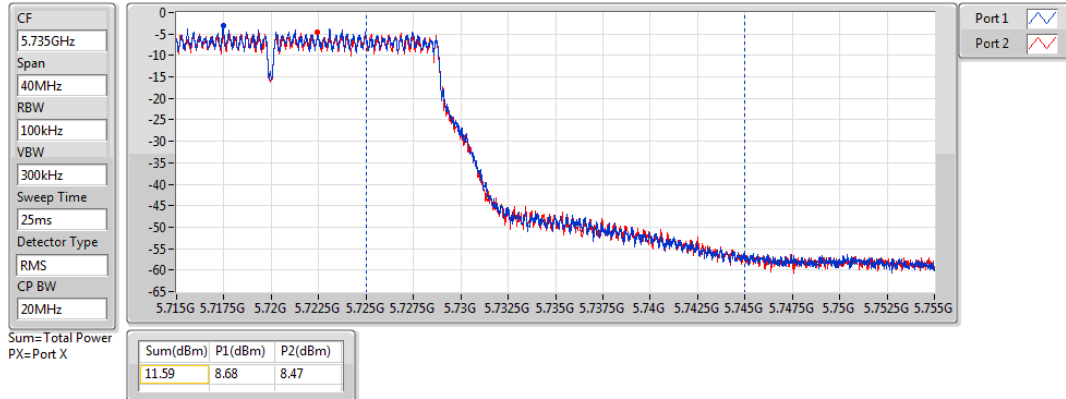


802.11ac VHT20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

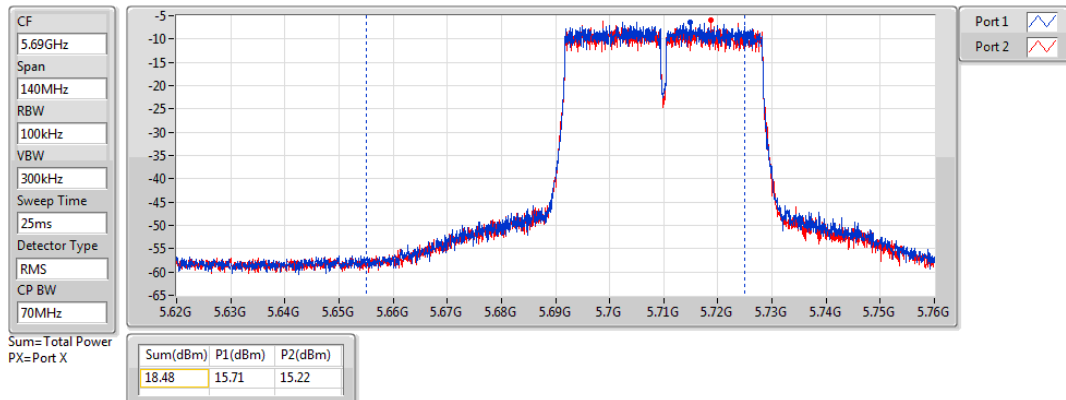


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

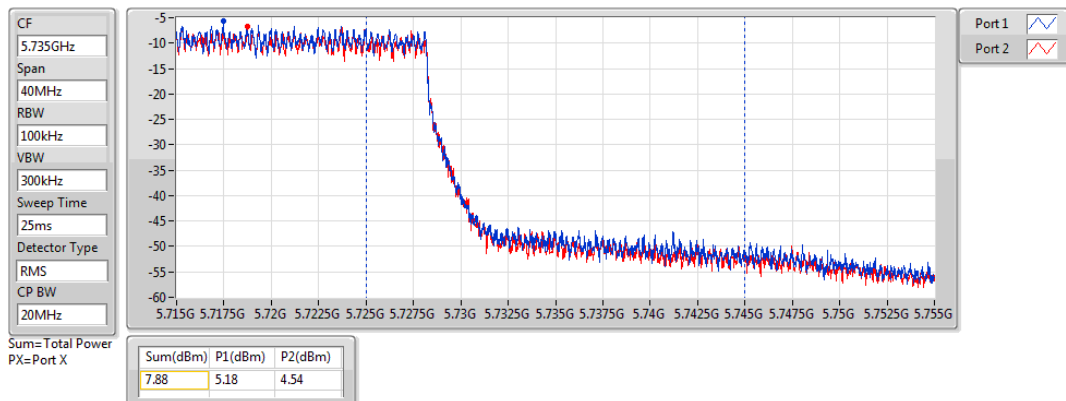


802.11ac VHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019

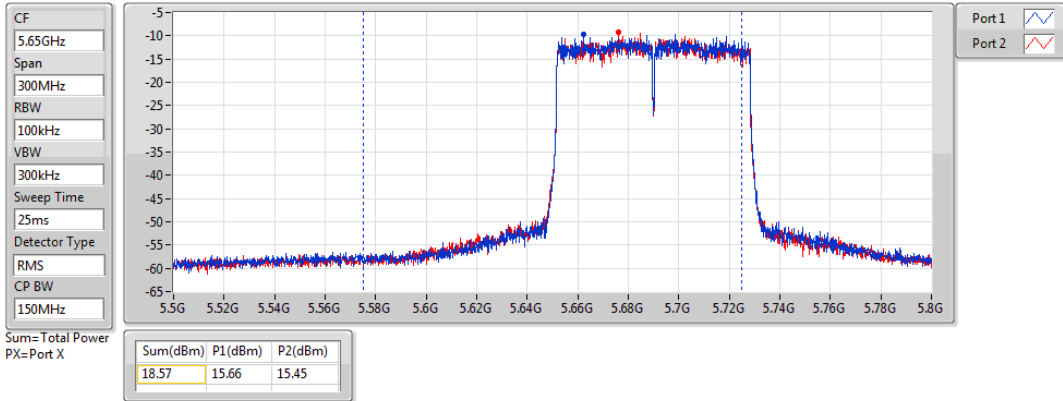


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

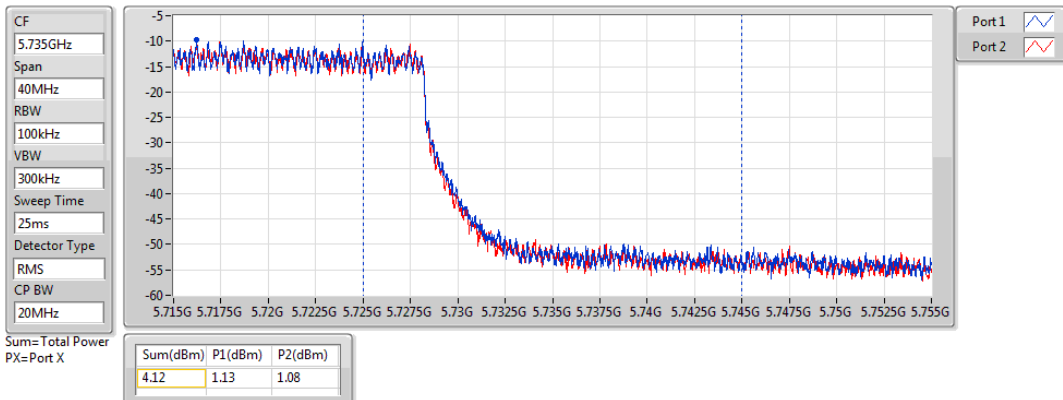


802.11ac VHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

02/12/2019

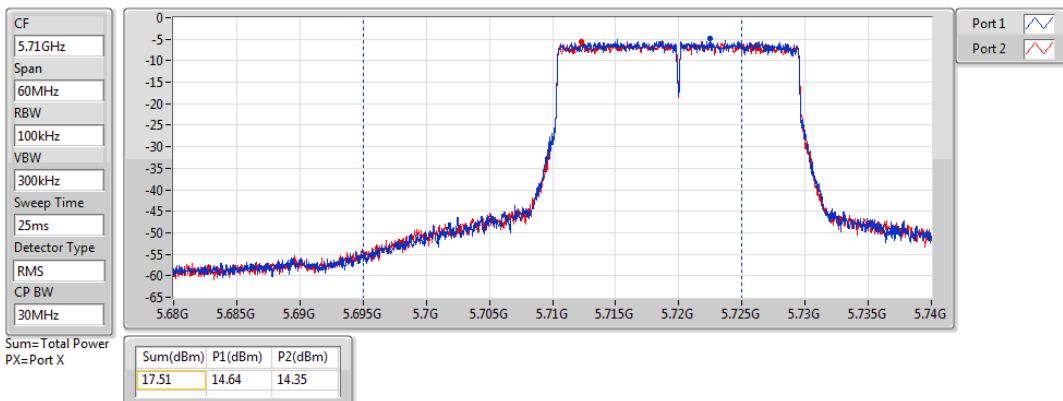


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

02/12/2019

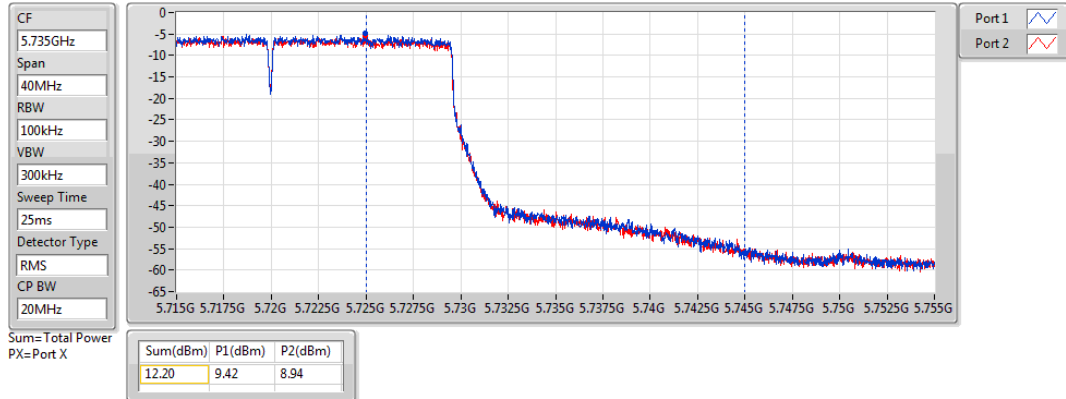


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

02/12/2019

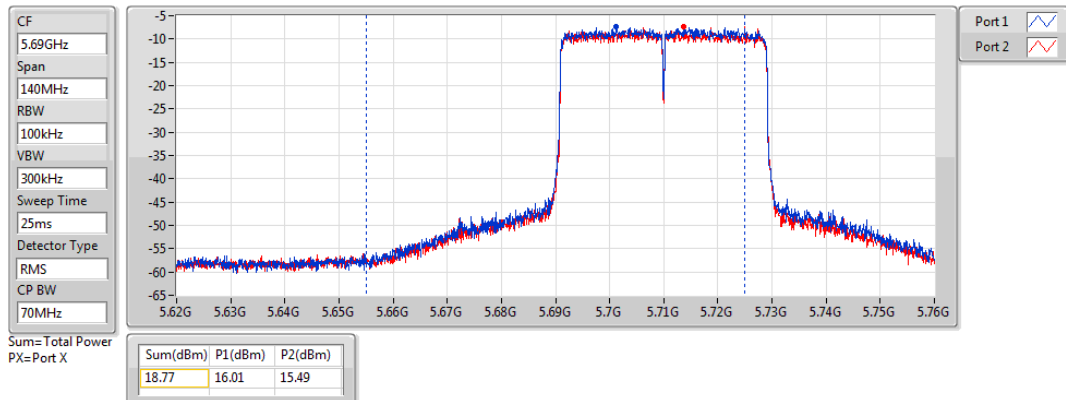


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

02/12/2019

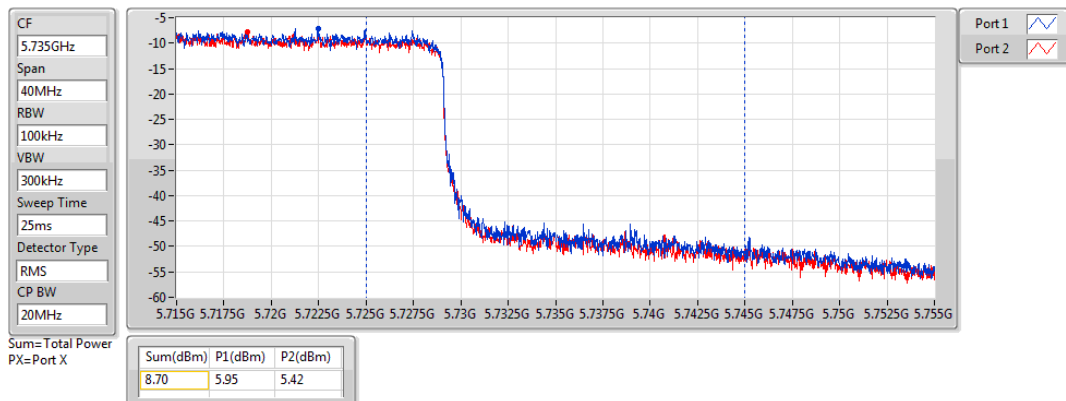


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

02/12/2019

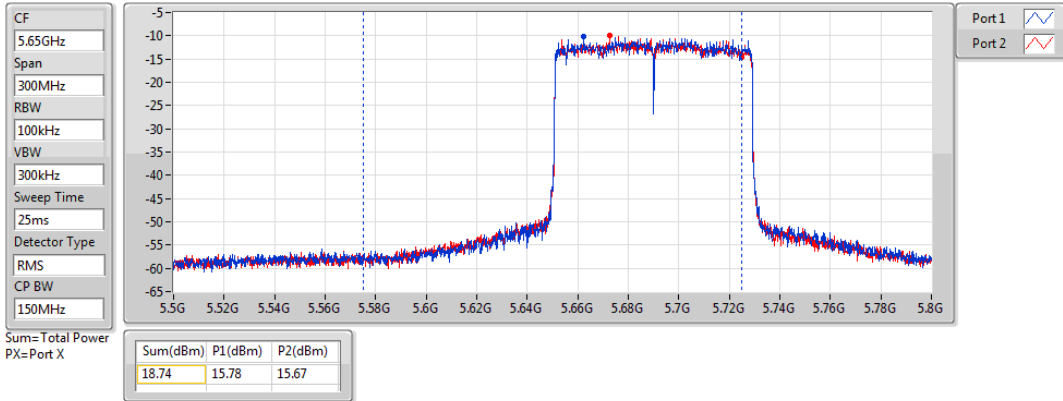


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

02/12/2019

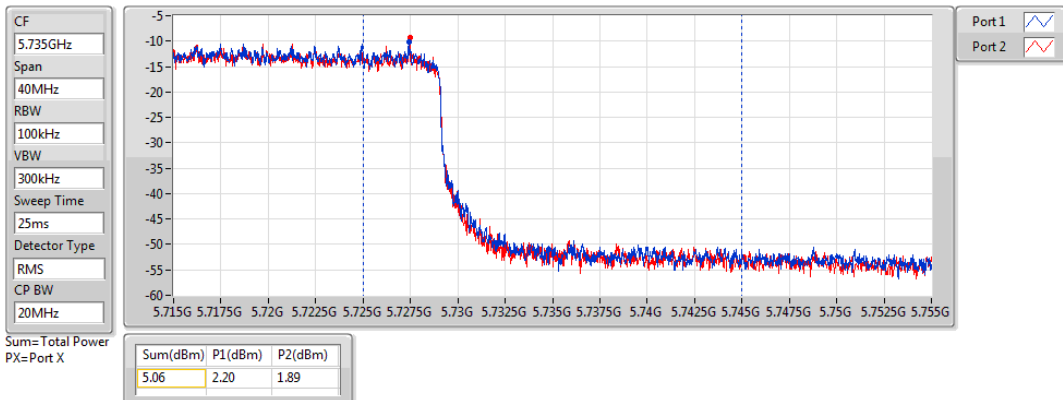


802.11ax HEW80_Nss2,(MCS0)_2TX

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