

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.16M	17.571M	20.34M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.19M	17.571M	20.28M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.19M	17.571M	20.52M	17.571M
5500MHz_TnomVnom	Pass	Inf	21.15M	17.571M	20.25M	17.601M
5580MHz_TnomVnom	Pass	Inf	20.46M	17.571M	20.25M	17.571M
5700MHz_TnomVnom	Pass	Inf	20.7M	17.571M	20.43M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.155M	13.783M	15.208M	13.818M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.75M	4.018M	3.75M	4.003M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.66M	36.102M	39.72M	36.042M
5310MHz_TnomVnom	Pass	Inf	43.62M	36.042M	39.72M	36.042M
5510MHz_TnomVnom	Pass	Inf	39.36M	36.042M	39.96M	36.042M
5550MHz_TnomVnom	Pass	Inf	40.08M	36.042M	39.72M	35.982M
5670MHz_TnomVnom	Pass	Inf	40.44M	36.042M	39.36M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	34.875M	32.871M	35.438M	32.871M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.165M	3.523M	3.195M	3.538M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	81.24M	75.322M	80.04M	75.322M
5530MHz_TnomVnom	Pass	Inf	81.48M	75.082M	82.2M	75.322M
5610MHz_TnomVnom	Pass	Inf	79.92M	75.322M	79.92M	75.082M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.33M	72.194M	75.098M	72.116M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	3.778M	3.195M	3.778M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	19.98M	17.571M	20.55M	17.571M
5300MHz_TnomVnom	Pass	Inf	20.31M	17.571M	20.52M	17.571M
5320MHz_TnomVnom	Pass	Inf	20.07M	17.571M	20.49M	17.571M
5500MHz_TnomVnom	Pass	Inf	20.28M	17.571M	20.25M	17.571M
5580MHz_TnomVnom	Pass	Inf	20.34M	17.571M	20.7M	17.541M
5700MHz_TnomVnom	Pass	Inf	20.13M	17.571M	20.55M	17.571M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.173M	13.783M	15.488M	13.818M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.75M	4.033M	3.735M	3.988M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	39.48M	36.042M	40.38M	36.042M
5310MHz_TnomVnom	Pass	Inf	40.02M	36.042M	40.68M	36.042M
5510MHz_TnomVnom	Pass	Inf	40.08M	36.102M	40.14M	36.042M
5550MHz_TnomVnom	Pass	Inf	40.14M	35.982M	39.6M	36.102M
5670MHz_TnomVnom	Pass	Inf	40.56M	36.042M	39.54M	36.042M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.475M	32.909M	34.763M	33.021M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	3.523M	3.195M	3.508M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	80.28M	75.082M	81.72M	75.322M
5530MHz_TnomVnom	Pass	Inf	80.16M	75.442M	81.12M	75.202M
5610MHz_TnomVnom	Pass	Inf	80.16M	75.202M	80.04M	75.442M



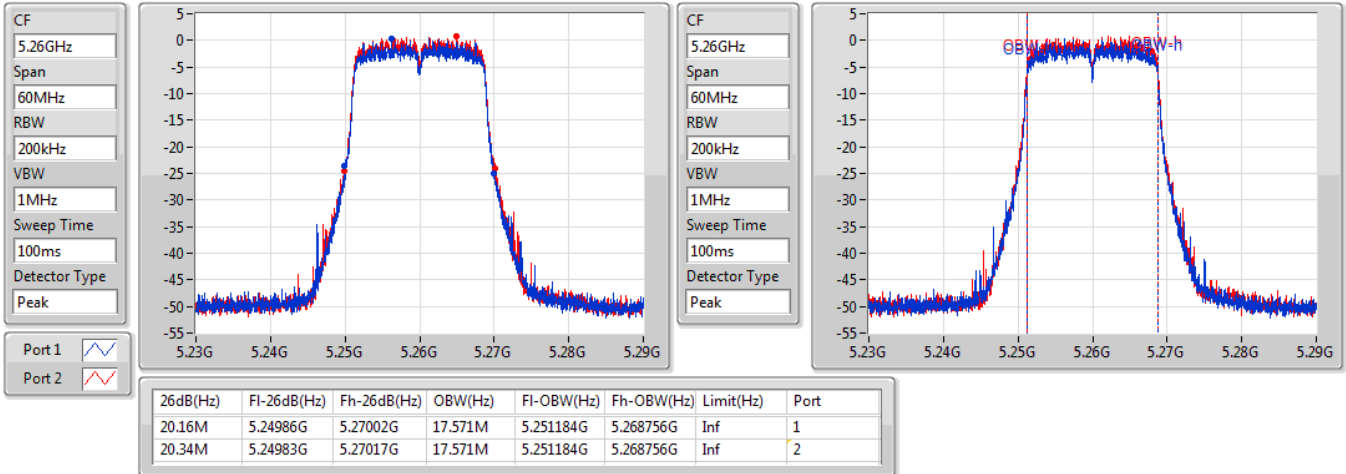
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.33M	72.194M	74.865M	72.039M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.195M	3.733M	3.18M	3.793M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

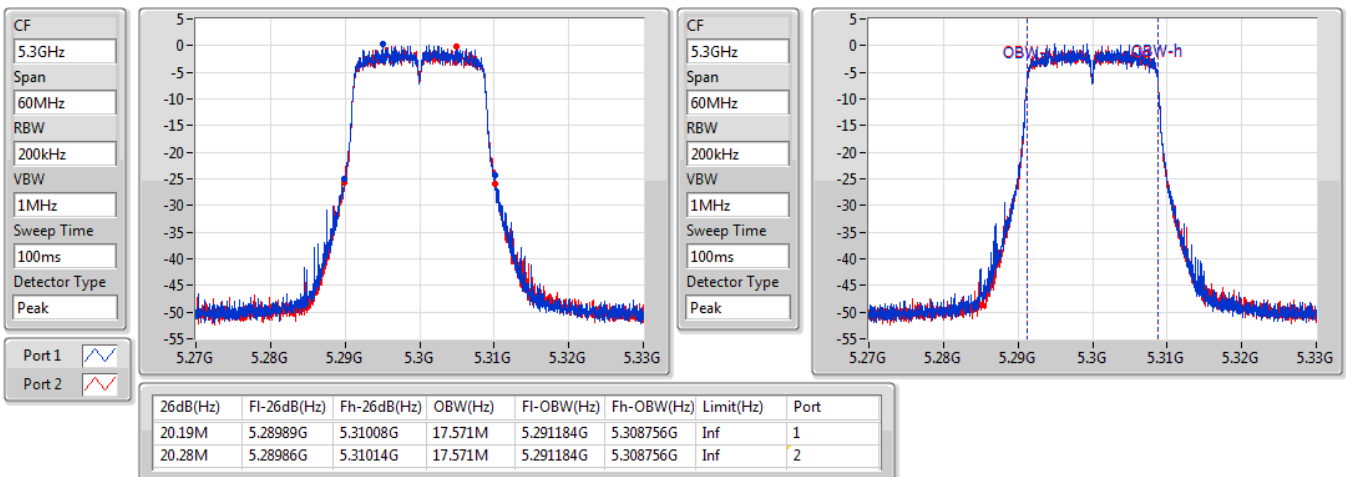
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

08/12/2019

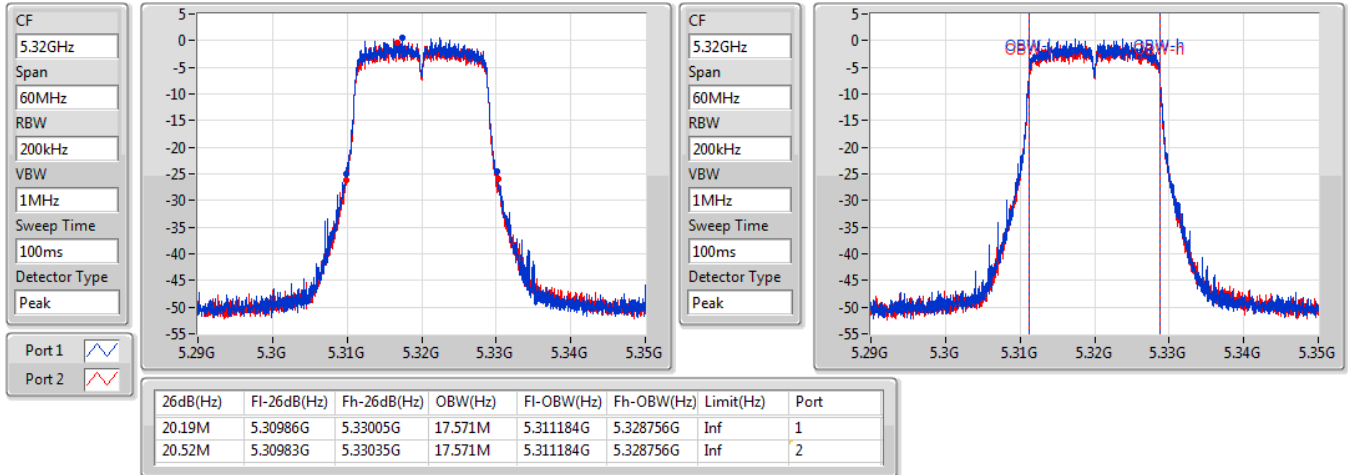

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

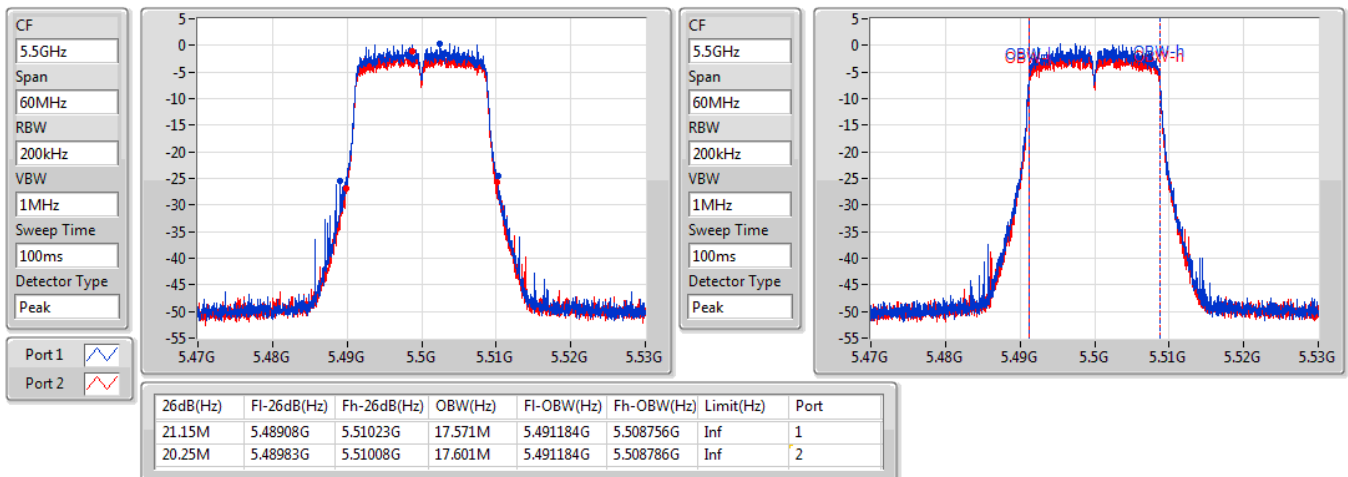


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

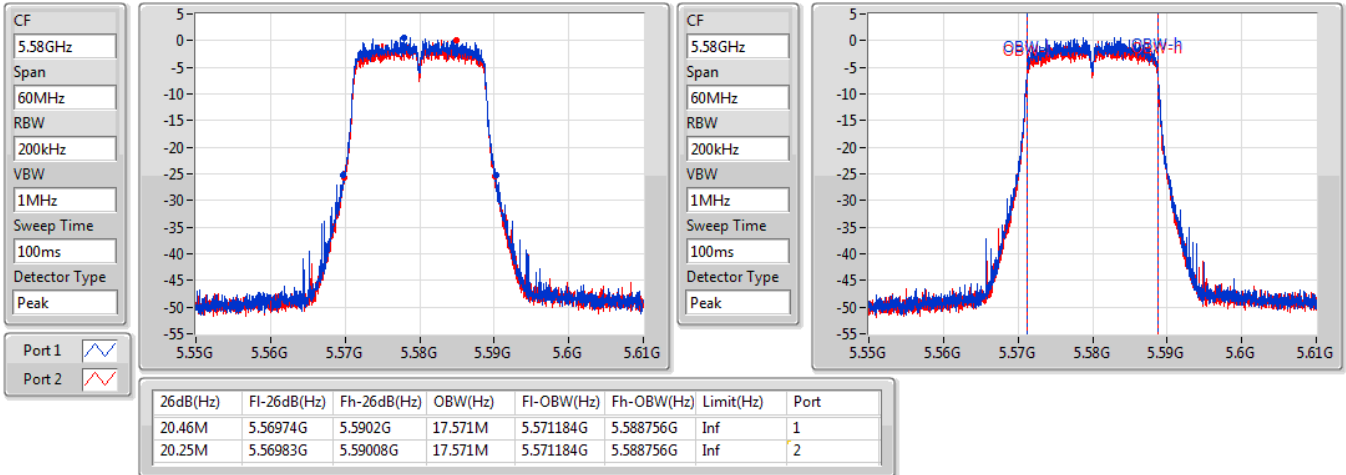

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

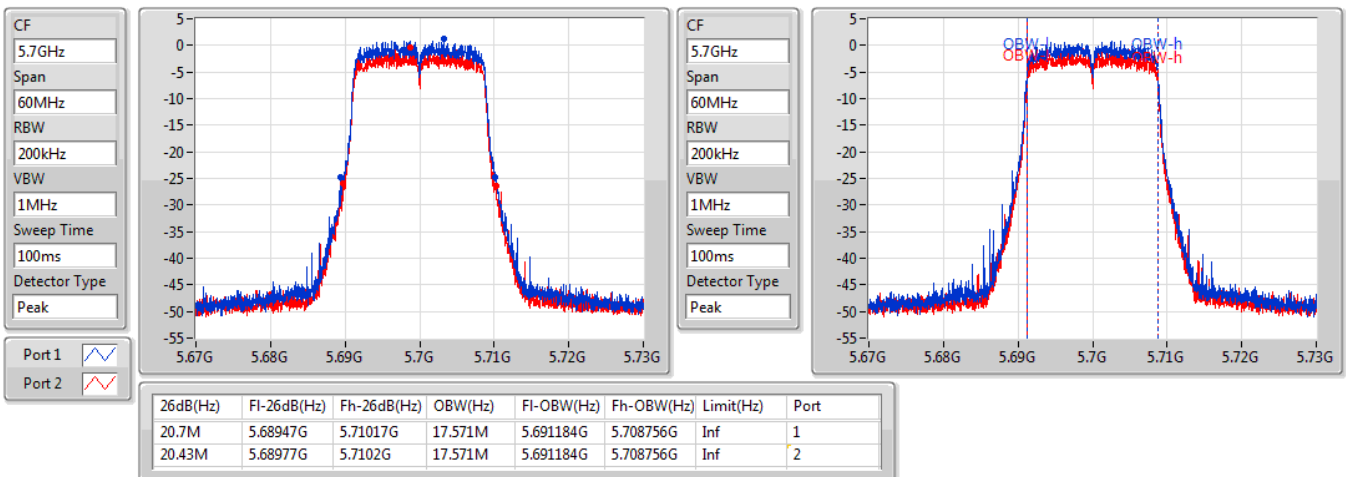


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

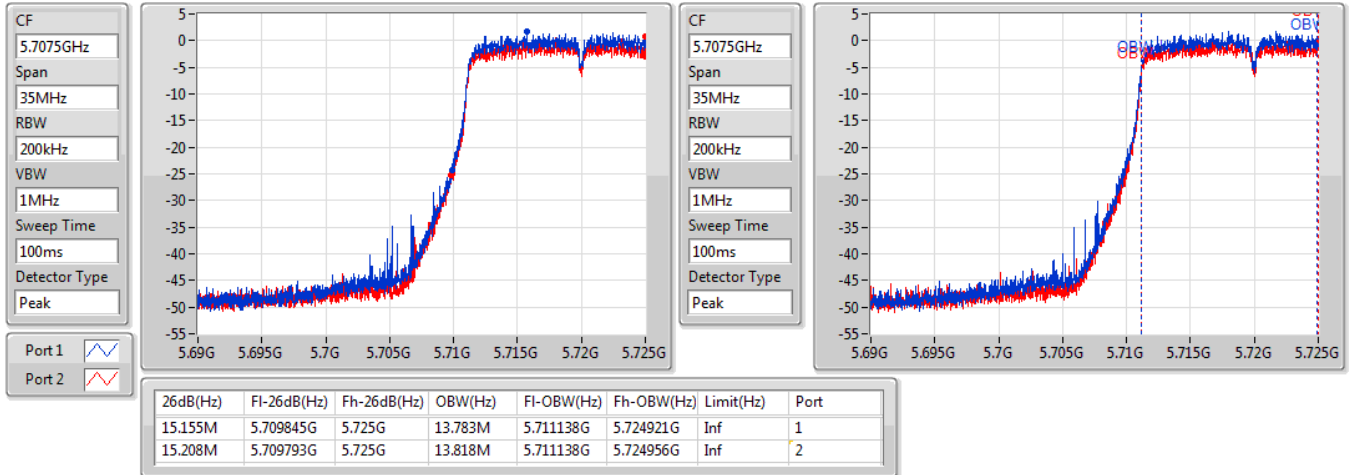

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

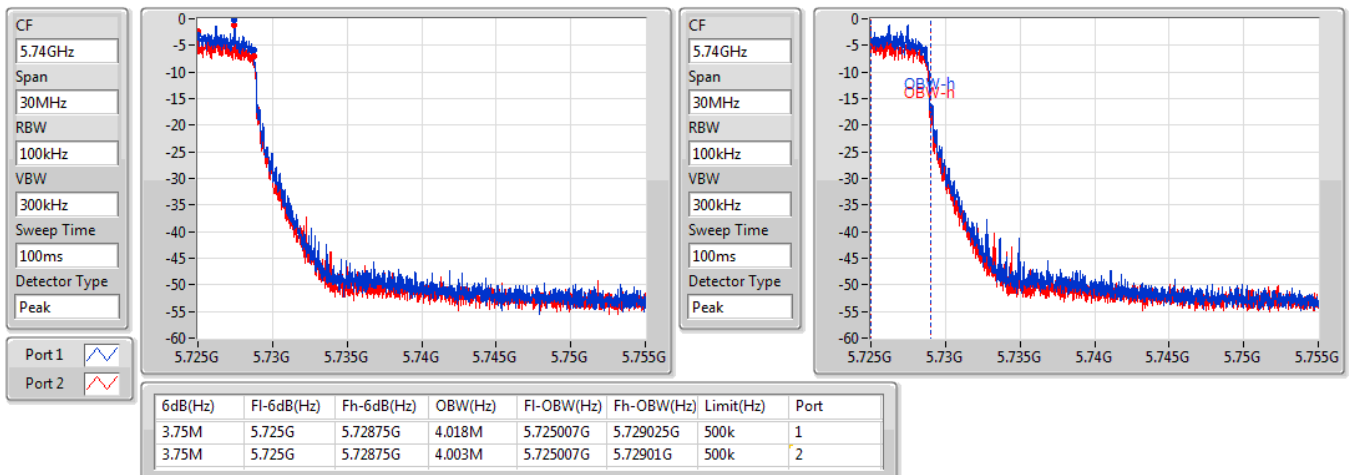


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

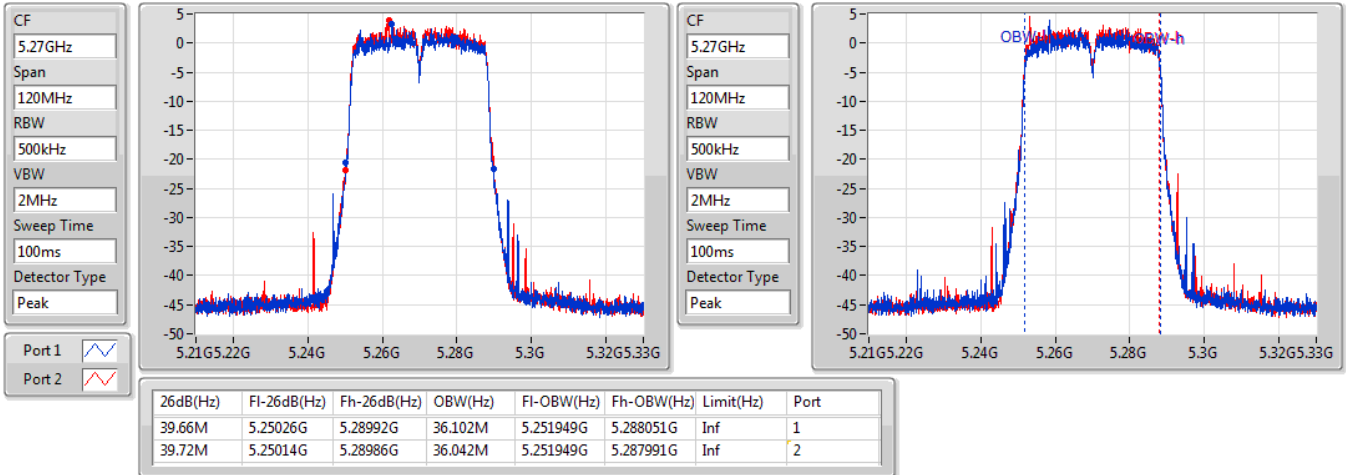

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

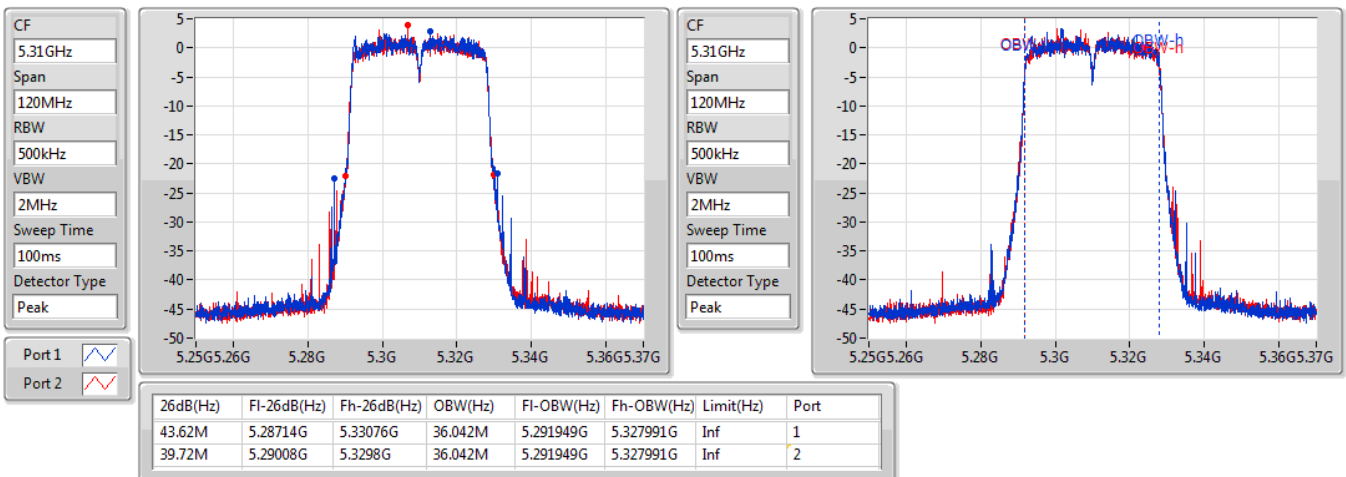


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

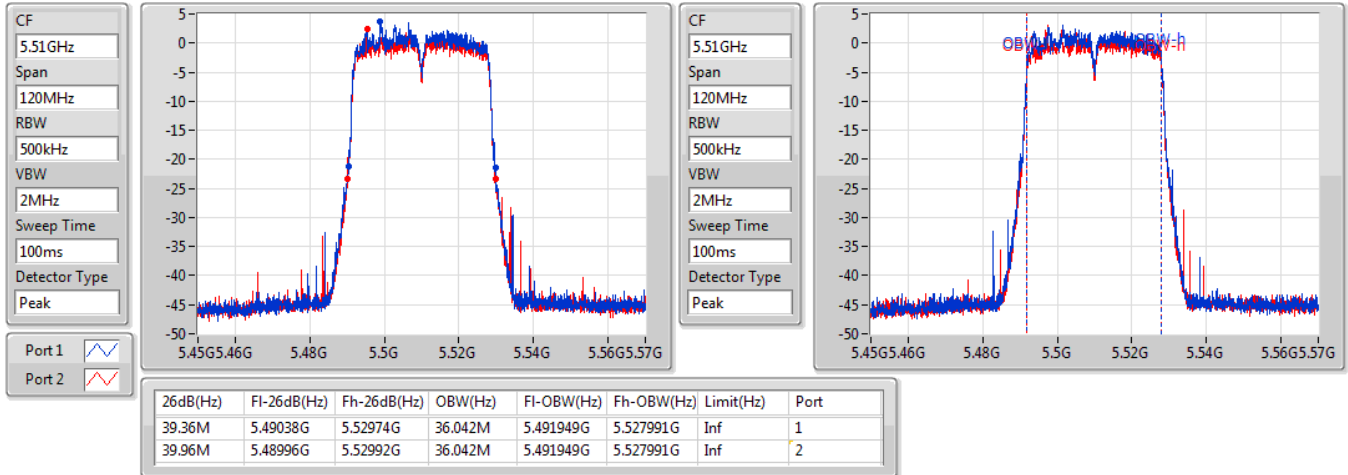

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

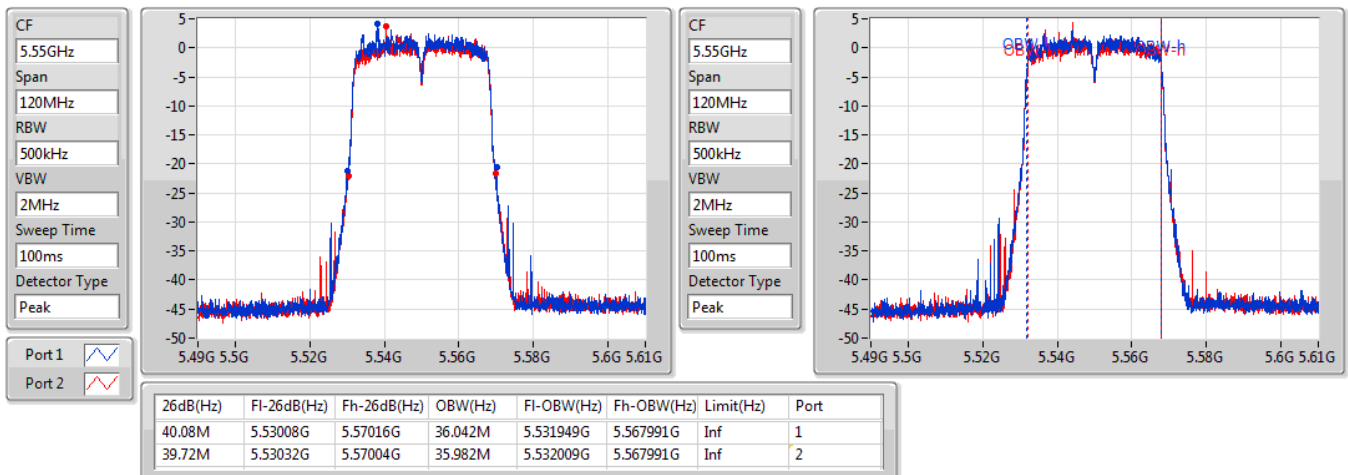


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

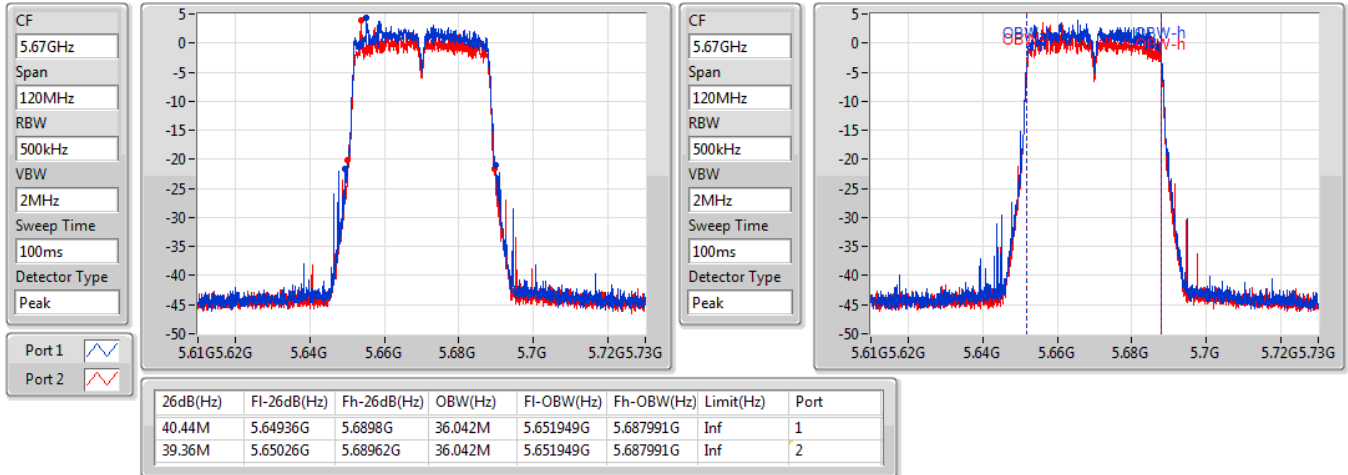

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

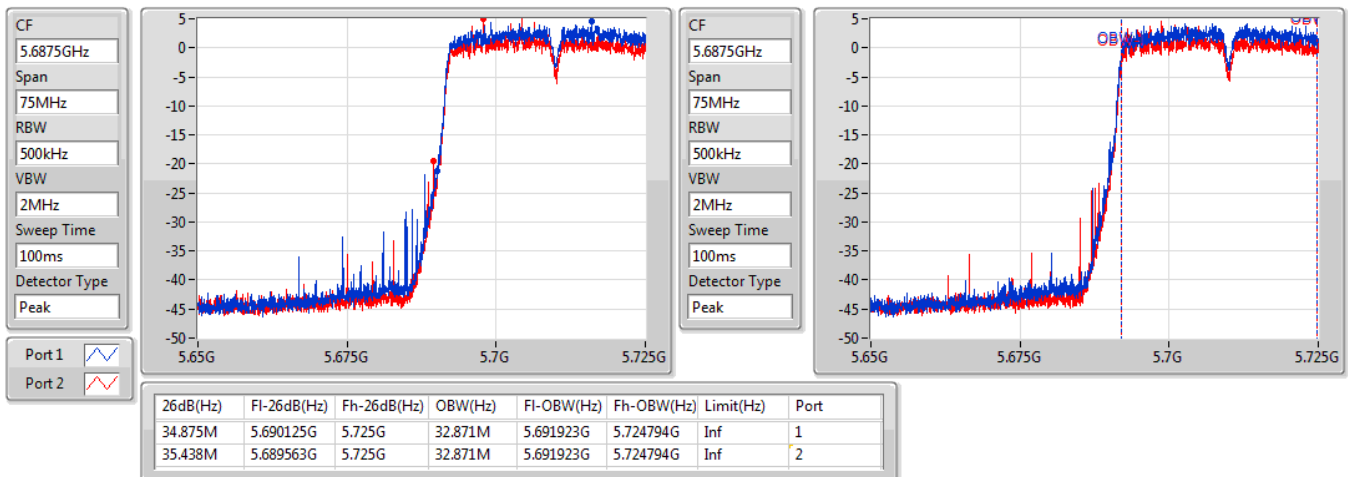


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

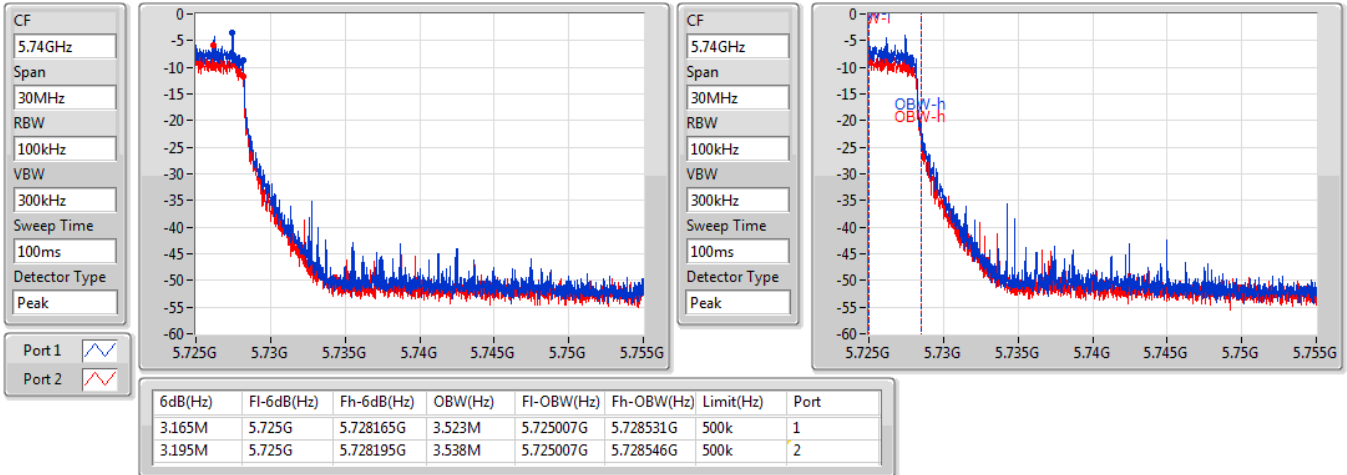

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

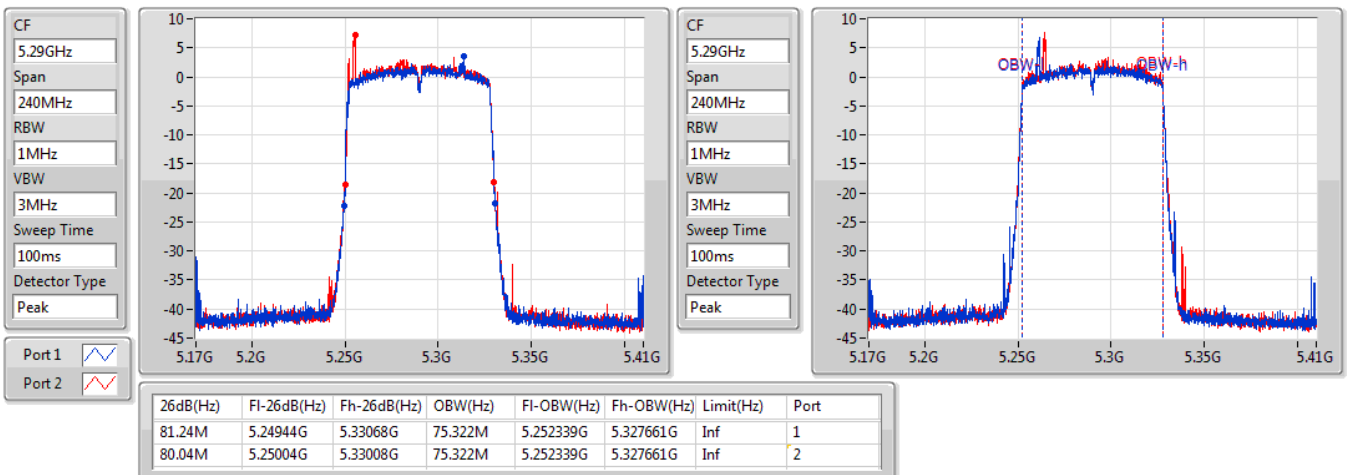


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

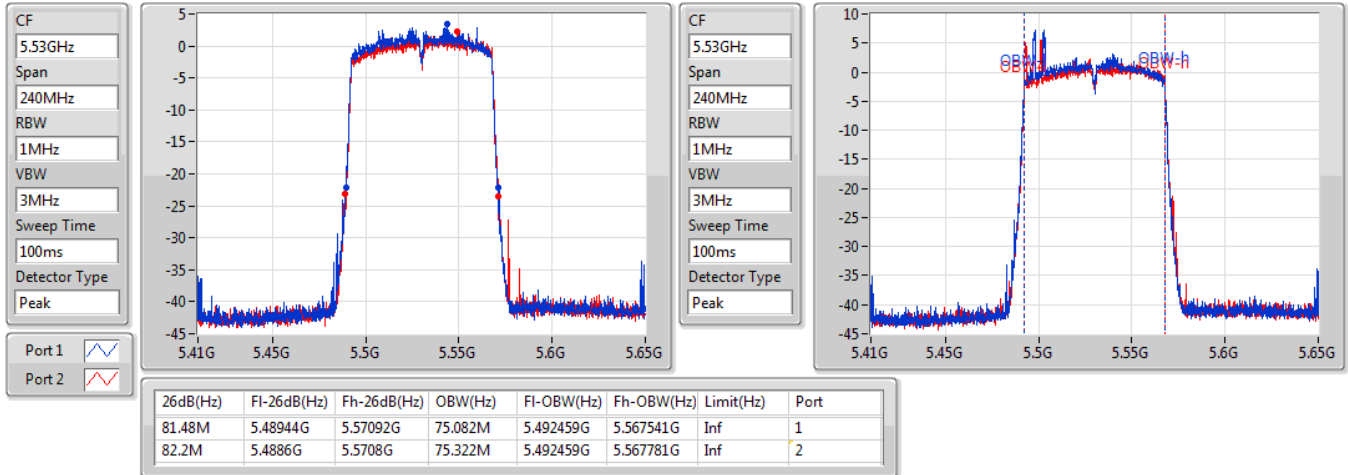

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

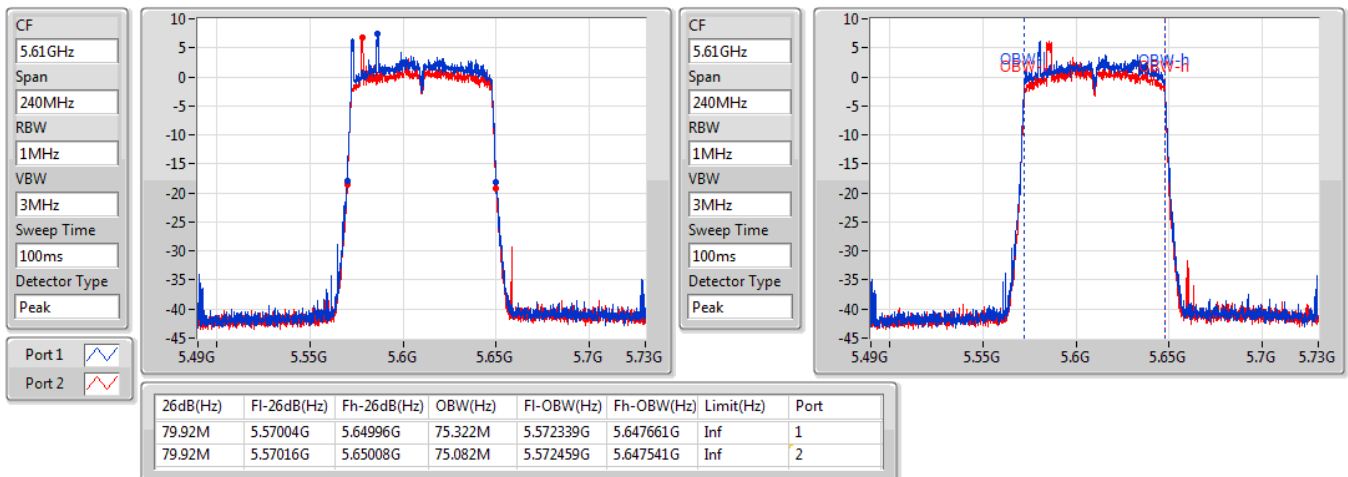


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

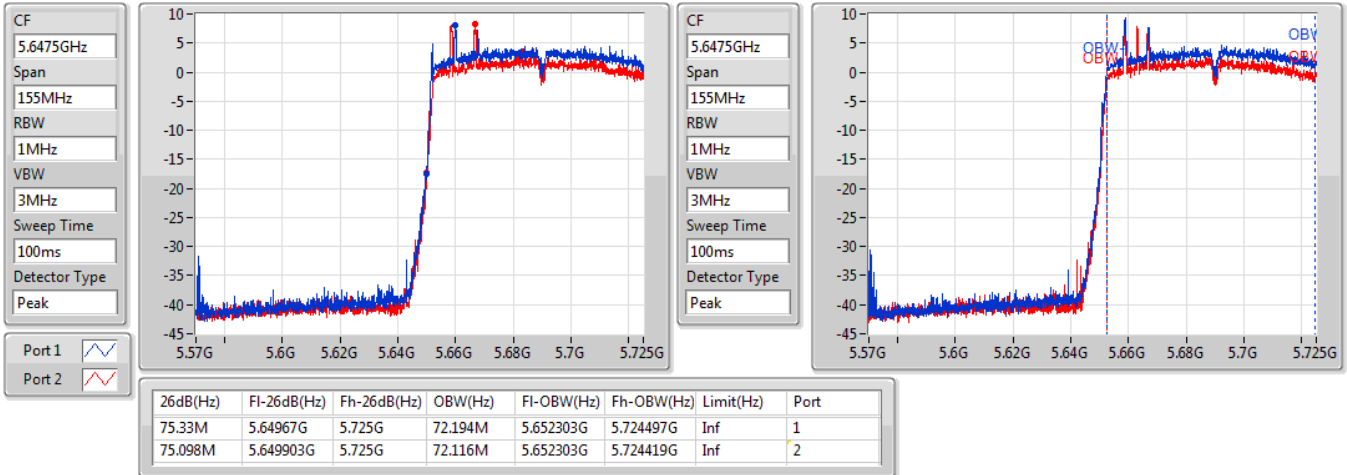

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

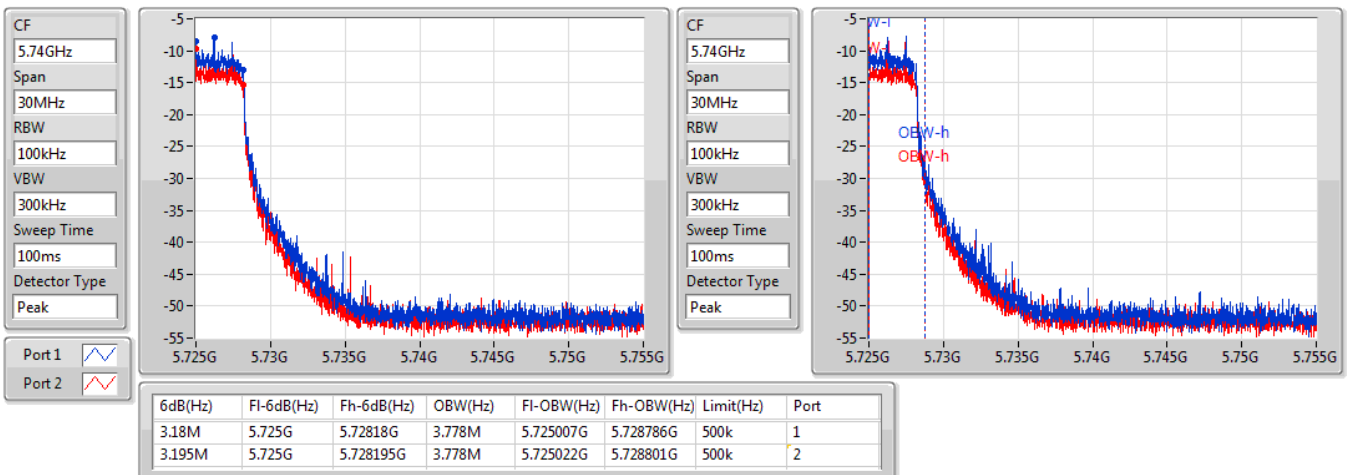


802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019

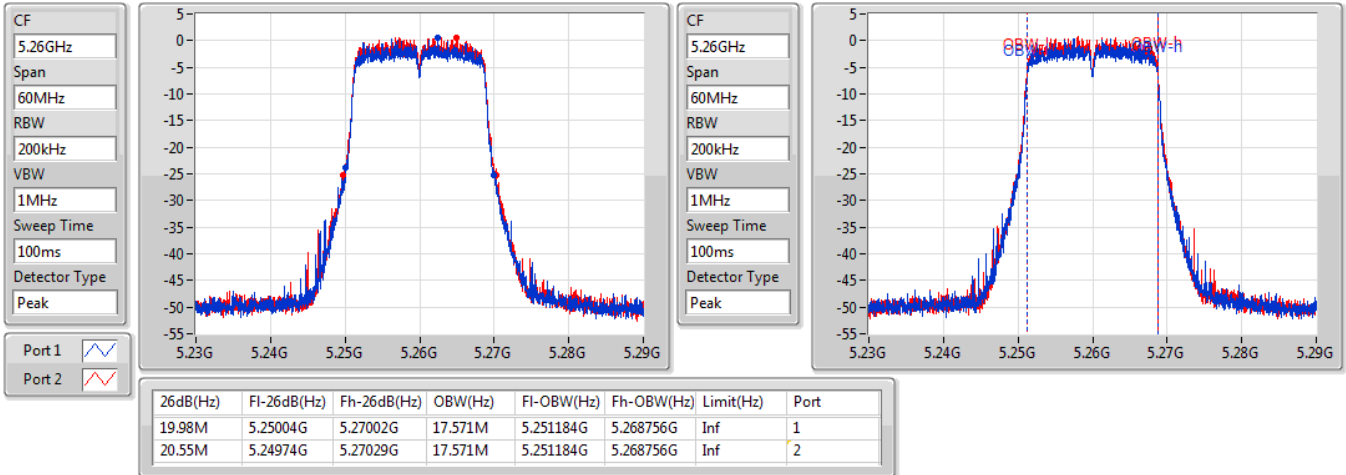

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019

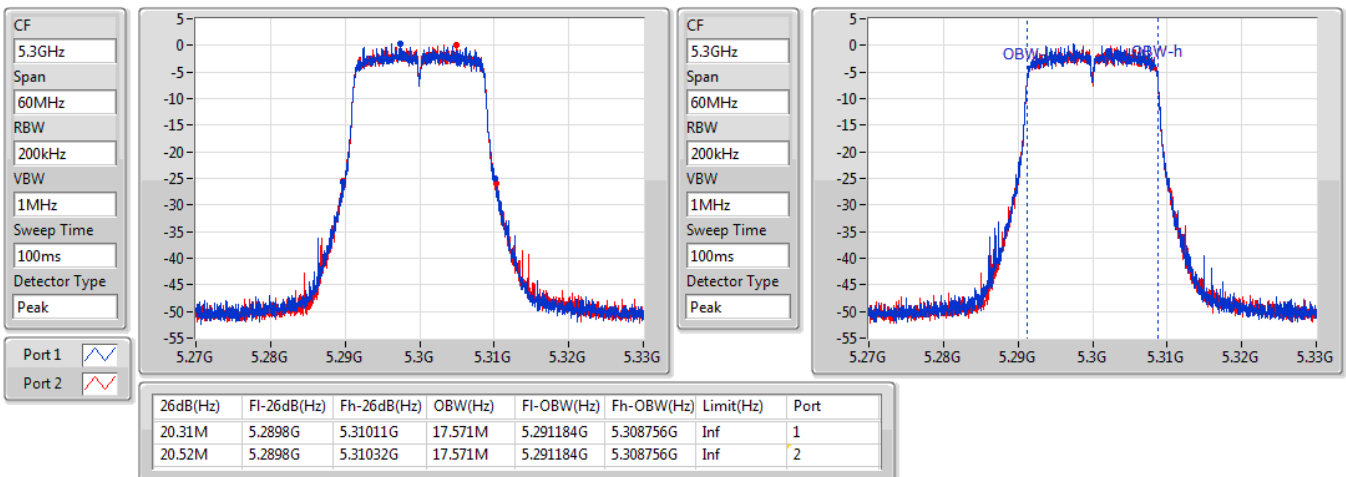


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

08/12/2019

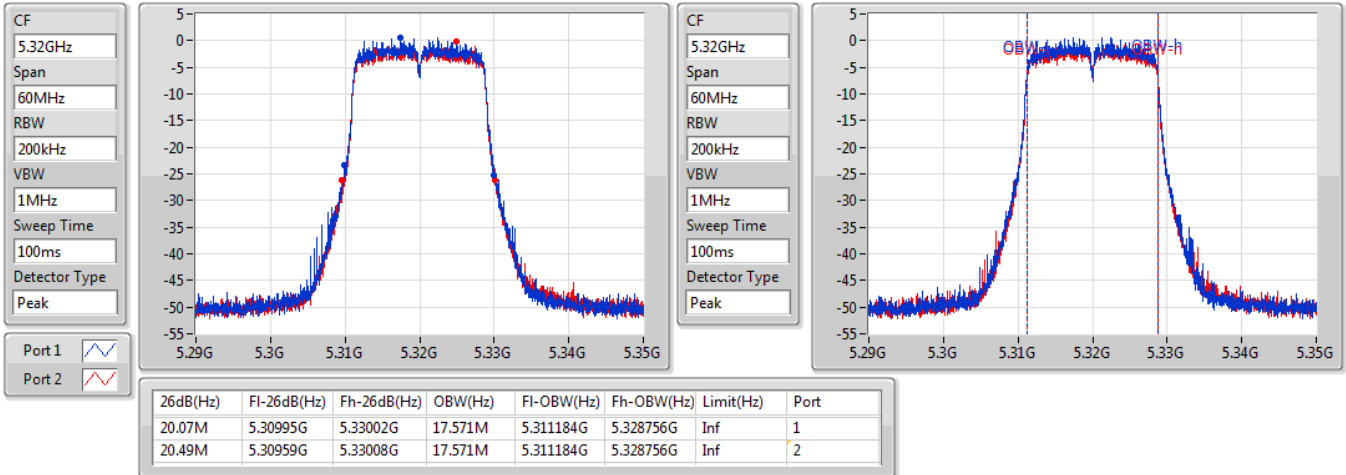

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

08/12/2019

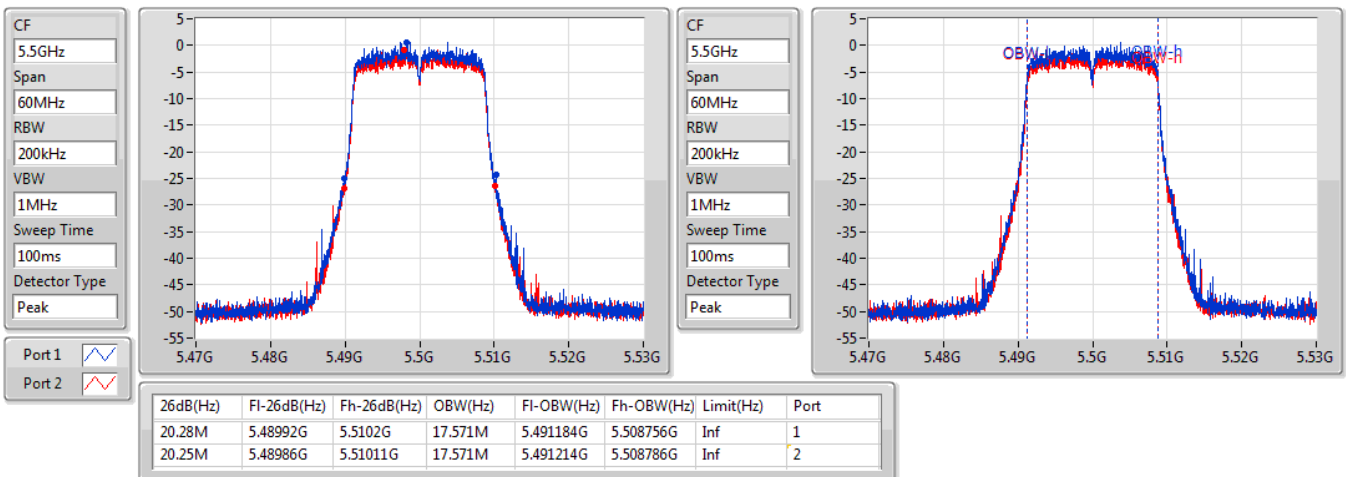


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5320MHz

08/12/2019

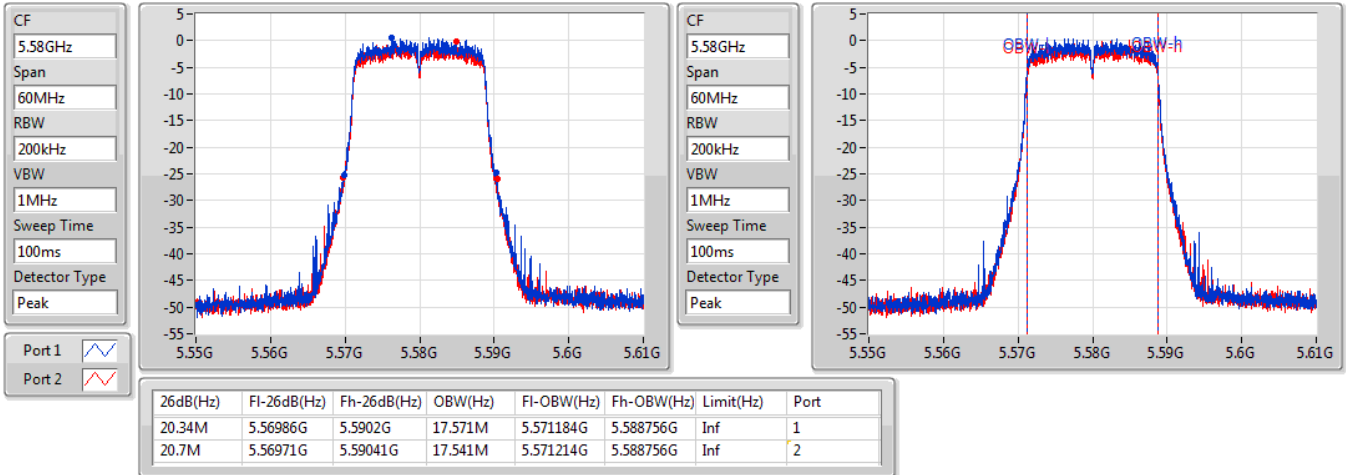

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5500MHz

08/12/2019

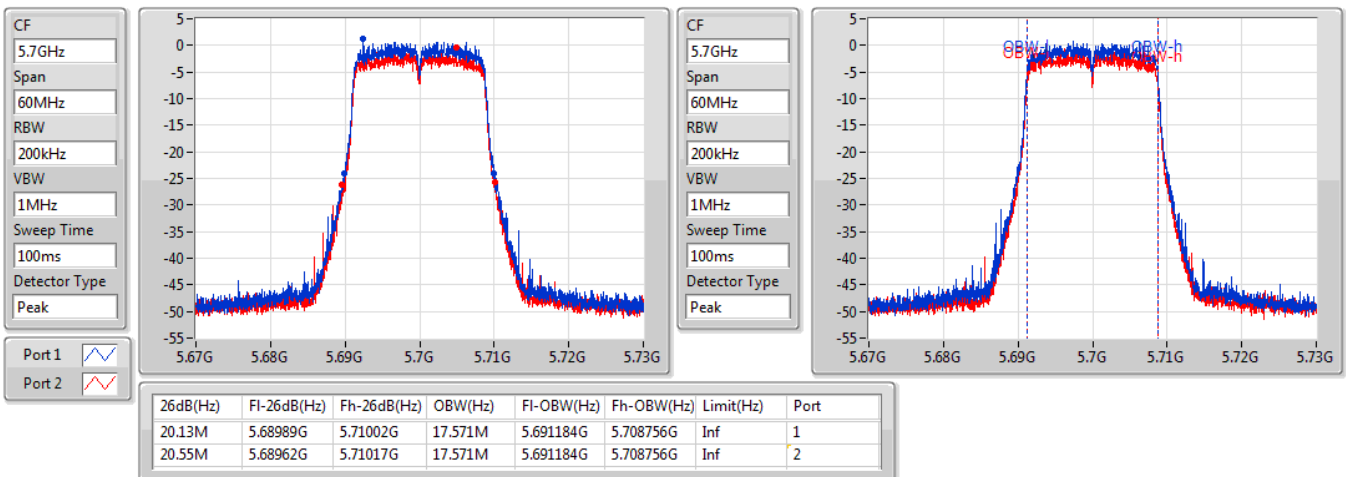


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5580MHz

08/12/2019

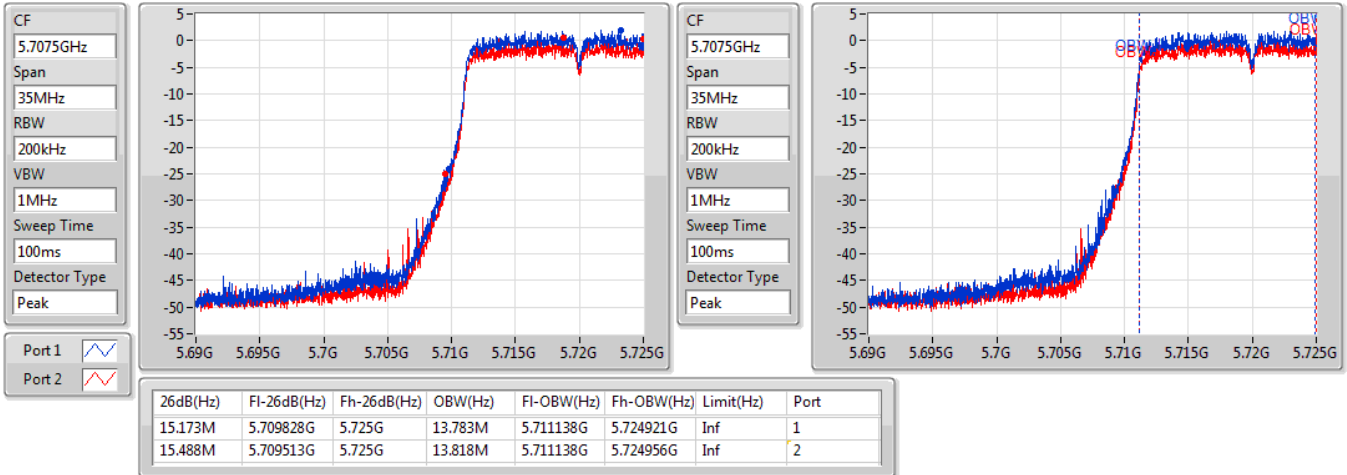

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5700MHz

08/12/2019

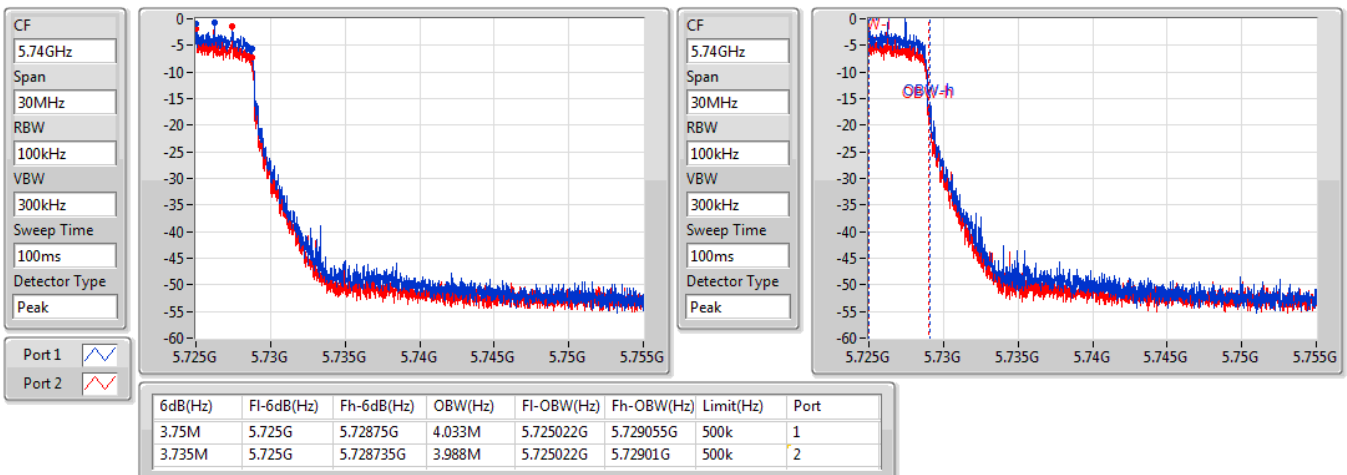


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/12/2019

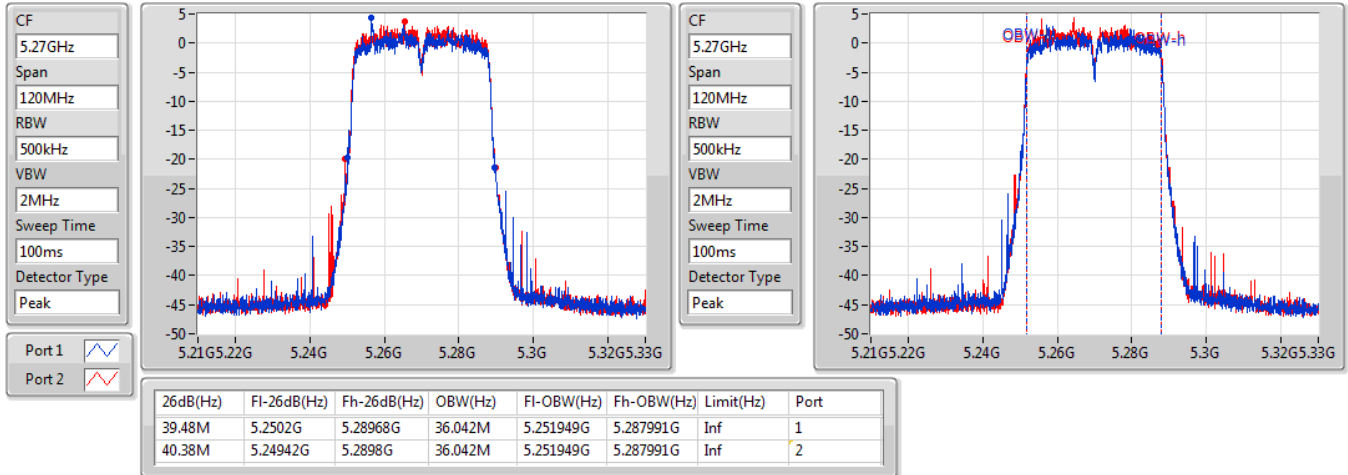

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/12/2019

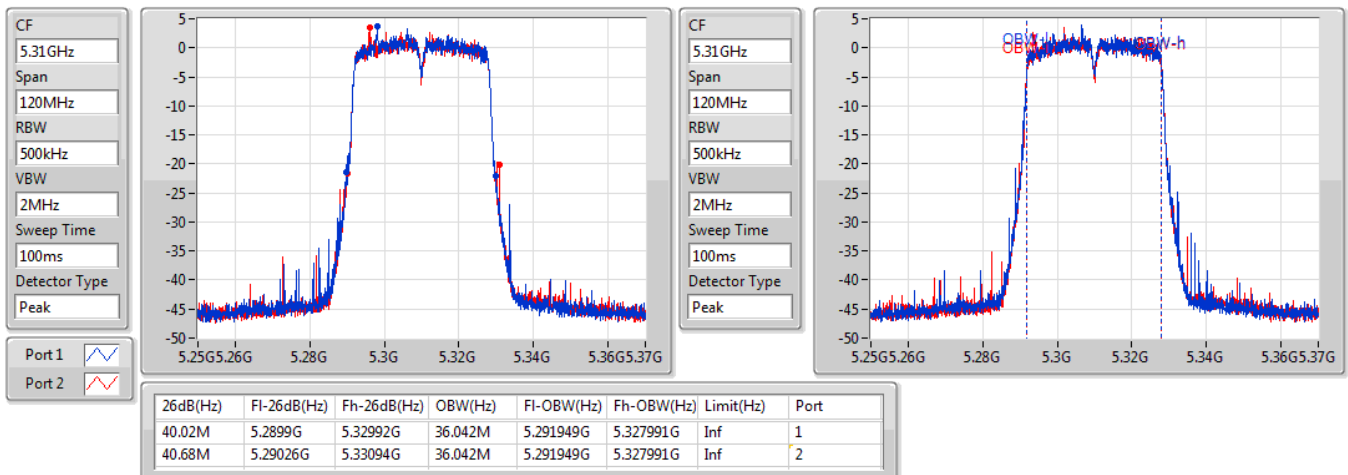


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5270MHz

08/12/2019

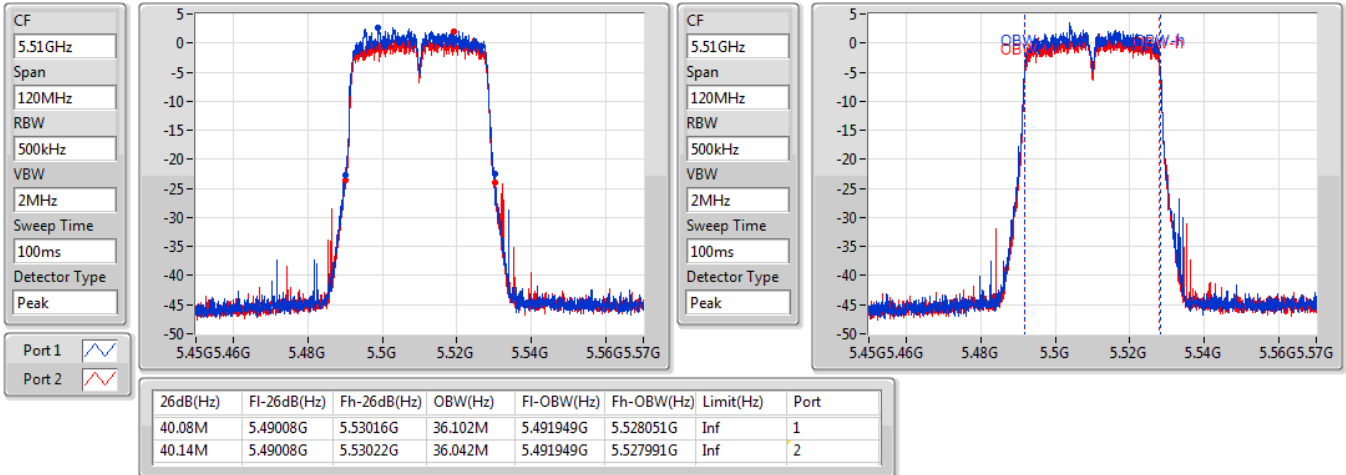

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5310MHz

08/12/2019

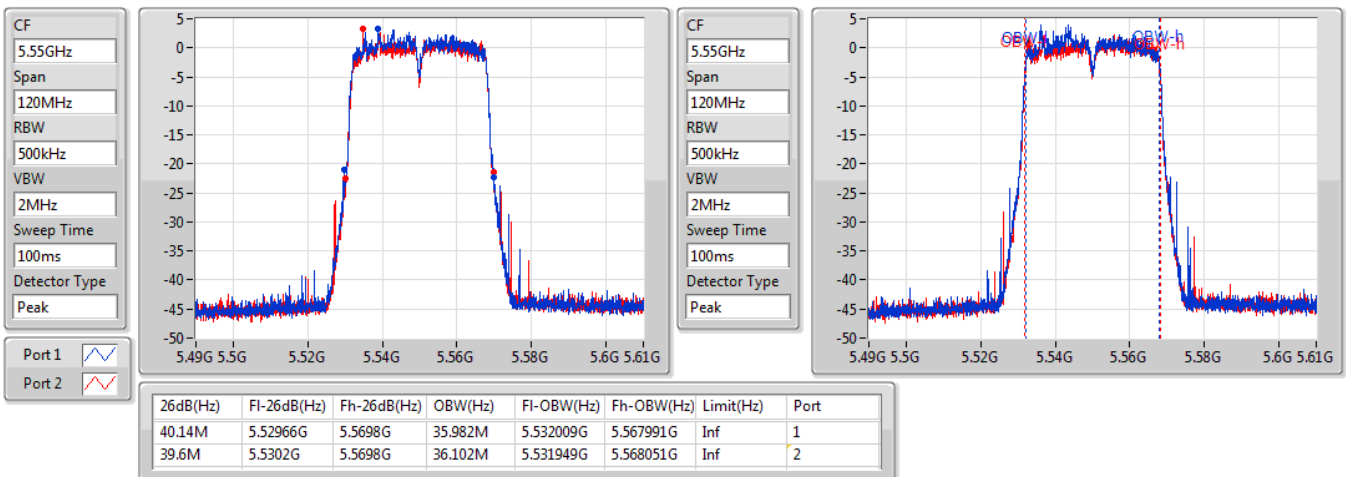


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5510MHz

08/12/2019

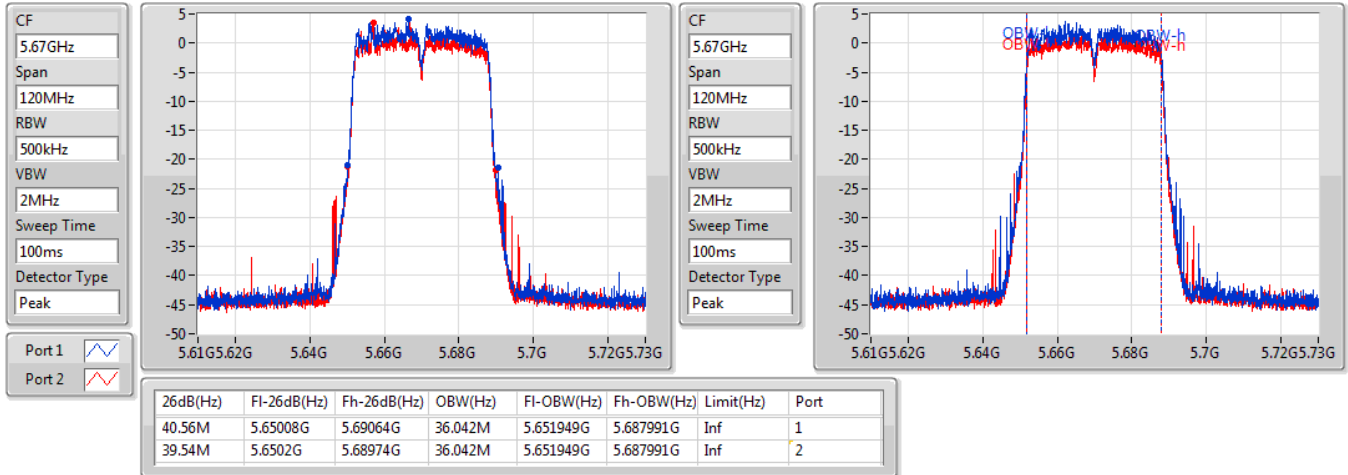

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5550MHz

08/12/2019

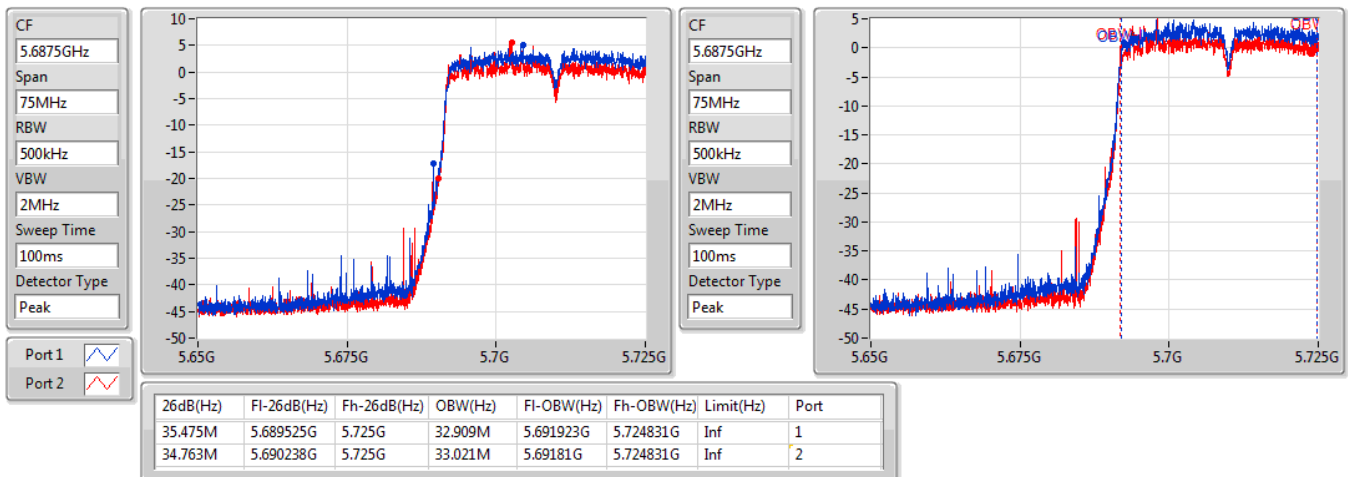


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5670MHz

08/12/2019

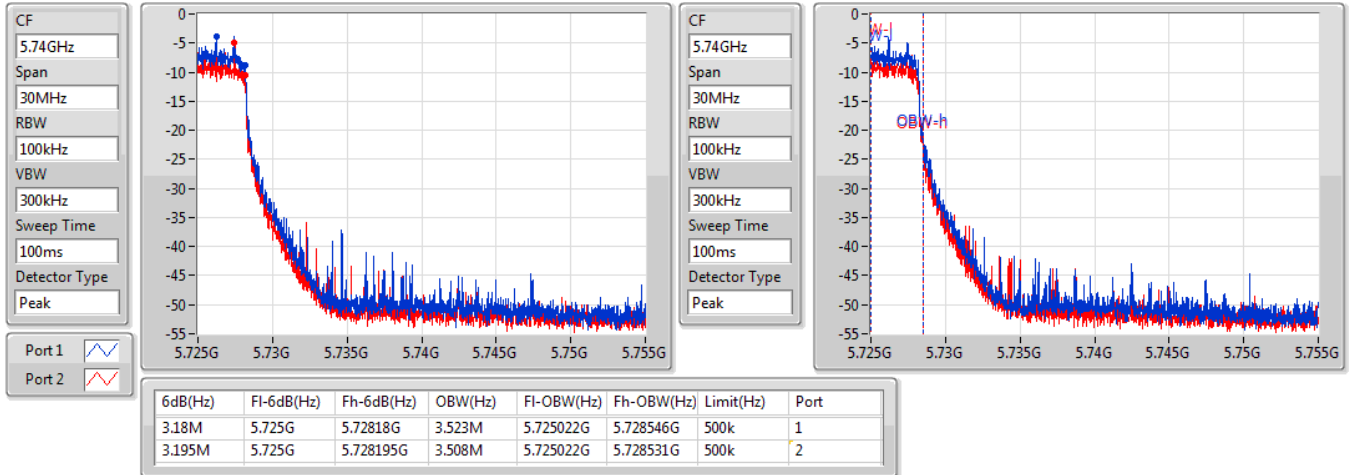

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/12/2019

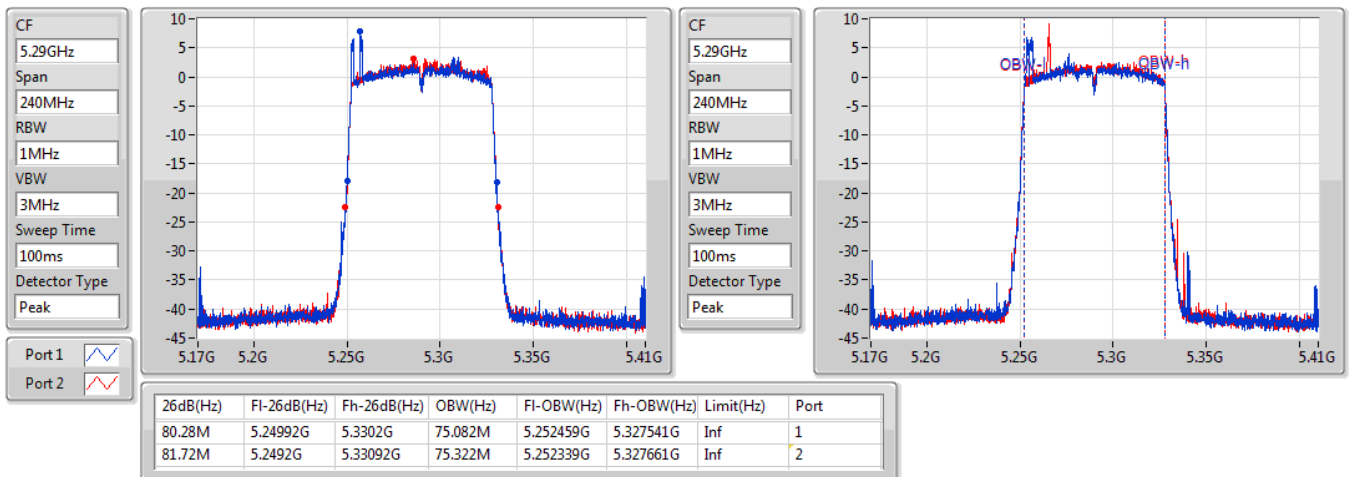


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/12/2019

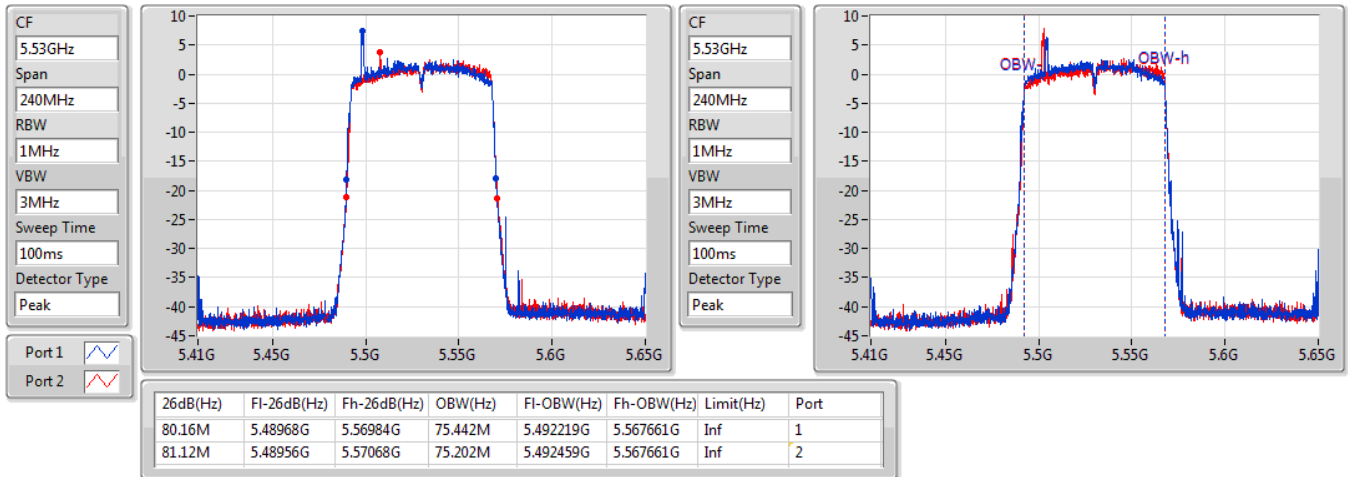

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

08/12/2019

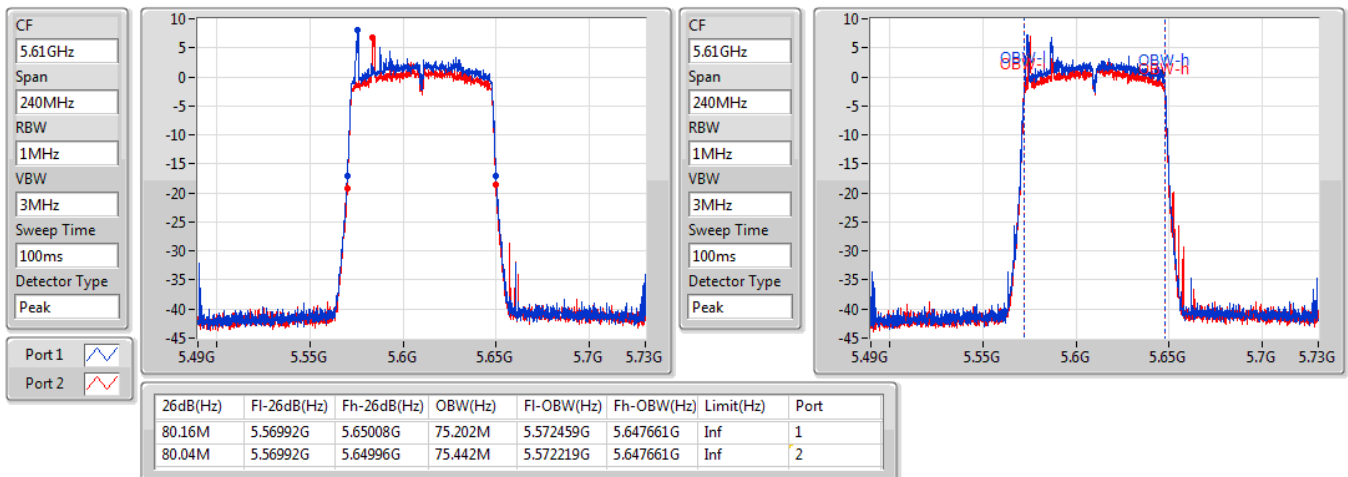


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

08/12/2019

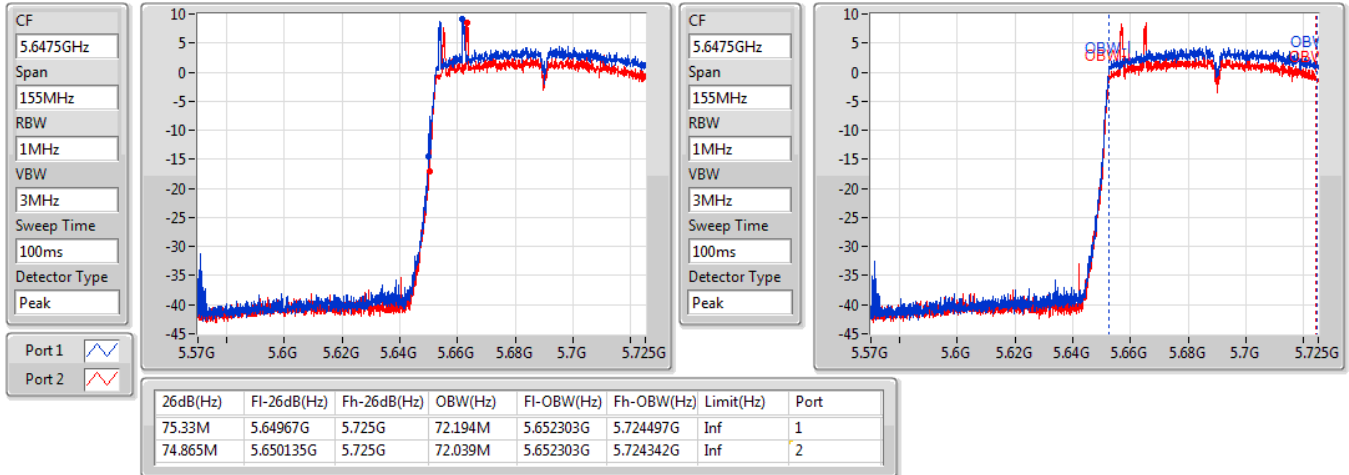

802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5610MHz

08/12/2019

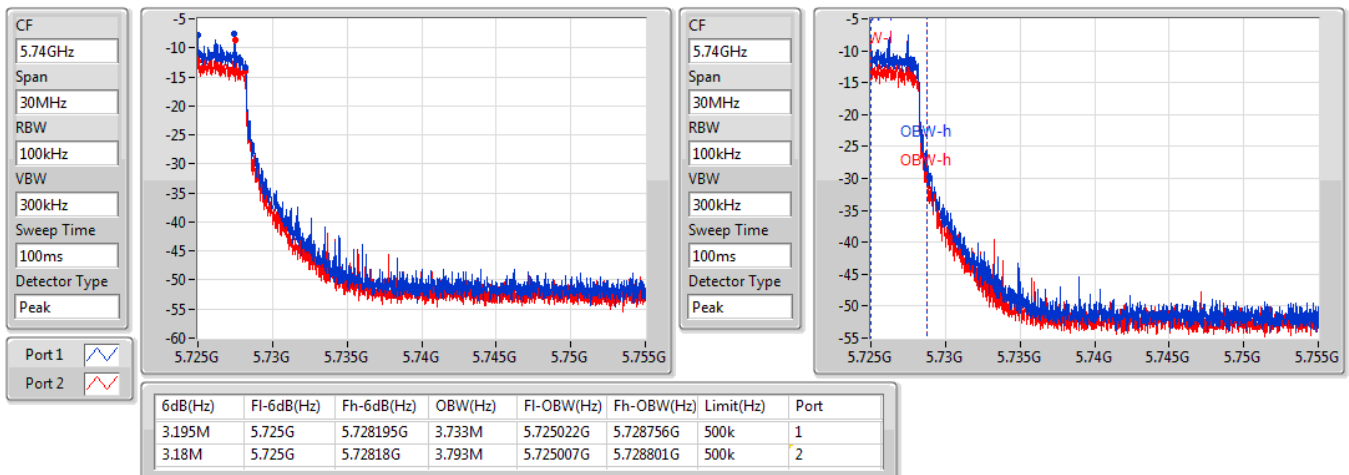


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

08/12/2019


802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.54	0.08995	26.54	0.45082
802.11a_Nss1,(6Mbps)_2TX	19.34	0.08590	26.34	0.43053
802.11ac VHT20_Nss1,(MCS0)_1TX	19.36	0.08630	26.36	0.43251
802.11ac VHT20_Nss1,(MCS0)_2TX	19.63	0.09183	26.63	0.46026
802.11ac VHT40_Nss1,(MCS0)_1TX	19.15	0.08222	26.15	0.41210
802.11ac VHT40_Nss1,(MCS0)_2TX	21.46	0.13996	28.46	0.70146
802.11ac VHT80_Nss1,(MCS0)_1TX	16.66	0.04634	23.66	0.23227
802.11ac VHT80_Nss1,(MCS0)_2TX	18.38	0.06887	25.38	0.34514
802.11ax HEW20_Nss1,(MCS0)_1TX	19.61	0.09141	26.61	0.45814
802.11ax HEW20_Nss1,(MCS0)_2TX	19.86	0.09683	26.86	0.48529
802.11ax HEW40_Nss1,(MCS0)_1TX	19.25	0.08414	26.25	0.42170
802.11ax HEW40_Nss1,(MCS0)_2TX	22.17	0.16482	29.17	0.82604
802.11ax HEW80_Nss1,(MCS0)_1TX	16.82	0.04808	23.82	0.24099
802.11ax HEW80_Nss1,(MCS0)_2TX	18.60	0.07244	25.60	0.36308
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20.17	0.10399	27.17	0.52119
802.11a_Nss1,(6Mbps)_2TX	19.14	0.08204	26.14	0.41115
802.11ac VHT20_Nss1,(MCS0)_1TX	20.10	0.10233	27.10	0.51286
802.11ac VHT20_Nss1,(MCS0)_2TX	19.49	0.08892	26.49	0.44566
802.11ac VHT40_Nss1,(MCS0)_1TX	20.41	0.10990	27.41	0.55081
802.11ac VHT40_Nss1,(MCS0)_2TX	22.40	0.17378	29.40	0.87096
802.11ac VHT80_Nss1,(MCS0)_1TX	19.05	0.08035	26.05	0.40272
802.11ac VHT80_Nss1,(MCS0)_2TX	20.92	0.12359	27.92	0.61944
802.11ax HEW20_Nss1,(MCS0)_1TX	20.23	0.10544	27.23	0.52845
802.11ax HEW20_Nss1,(MCS0)_2TX	19.79	0.09528	26.79	0.47753
802.11ax HEW40_Nss1,(MCS0)_1TX	20.68	0.11695	27.68	0.58614
802.11ax HEW40_Nss1,(MCS0)_2TX	22.49	0.17742	29.49	0.88920
802.11ax HEW80_Nss1,(MCS0)_1TX	19.32	0.08551	26.32	0.42855
802.11ax HEW80_Nss1,(MCS0)_2TX	21.24	0.13305	28.24	0.66681
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	12.85	0.01928	19.85	0.09661
802.11a_Nss1,(6Mbps)_2TX	12.11	0.01626	19.11	0.08147
802.11ac VHT20_Nss1,(MCS0)_1TX	13.13	0.02056	20.13	0.10304
802.11ac VHT20_Nss1,(MCS0)_2TX	12.91	0.01954	19.91	0.09795
802.11ac VHT40_Nss1,(MCS0)_1TX	9.43	0.00877	16.43	0.04395
802.11ac VHT40_Nss1,(MCS0)_2TX	11.48	0.01406	18.48	0.07047
802.11ac VHT80_Nss1,(MCS0)_1TX	3.85	0.00243	10.85	0.01216
802.11ac VHT80_Nss1,(MCS0)_2TX	5.74	0.00375	12.74	0.01879
802.11ax HEW20_Nss1,(MCS0)_1TX	13.66	0.02323	20.66	0.11641
802.11ax HEW20_Nss1,(MCS0)_2TX	13.51	0.02244	20.51	0.11246
802.11ax HEW40_Nss1,(MCS0)_1TX	10.78	0.01197	17.78	0.05998
802.11ax HEW40_Nss1,(MCS0)_2TX	12.51	0.01782	19.51	0.08933
802.11ax HEW80_Nss1,(MCS0)_1TX	5.11	0.00324	12.11	0.01626



Average Power_Group 1

Appendix B

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	6.98	0.00499	13.98	0.02500

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)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.54		19.54	22.98	26.54	30.00
5300MHz	Pass	7.00	19.07		19.07	22.98	26.07	30.00
5320MHz	Pass	7.00	18.04		18.04	22.98	25.04	30.00
5500MHz	Pass	7.00	16.81		16.81	22.97	23.81	29.97
5580MHz	Pass	7.00	20.17		20.17	22.98	27.17	30.00
5700MHz	Pass	7.00	15.93		15.93	22.91	22.93	29.91
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.36		19.36	22.98	26.36	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	12.85		12.85	29.00	19.85	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	16.13	16.52	19.34	22.92	26.34	29.92
5300MHz	Pass	7.00	16.22	16.30	19.27	22.98	26.27	30.00
5320MHz	Pass	7.00	16.43	15.68	19.08	23.00	26.08	30.00
5500MHz	Pass	7.00	16.38	15.86	19.14	22.91	26.14	29.91
5580MHz	Pass	7.00	16.17	16.07	19.13	22.87	26.13	29.87
5700MHz	Pass	7.00	15.43	14.73	18.10	22.87	25.10	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	15.76	15.43	18.61	21.67	25.61	28.67
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	9.30	8.89	12.11	29.00	19.11	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.36		19.36	22.98	26.36	30.00
5300MHz	Pass	7.00	18.94		18.94	22.98	25.94	30.00
5320MHz	Pass	7.00	17.62		17.62	22.98	24.62	30.00
5500MHz	Pass	7.00	17.20		17.20	22.98	24.20	30.00
5580MHz	Pass	7.00	20.10		20.10	22.98	27.10	30.00
5700MHz	Pass	7.00	16.13		16.13	22.98	23.13	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.15		19.15	22.98	26.15	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	13.13		13.13	29.00	20.13	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	15.87	16.48	19.20	22.98	26.20	30.00
5300MHz	Pass	7.00	16.56	16.67	19.63	22.98	26.63	30.00
5320MHz	Pass	7.00	16.75	15.95	19.38	22.98	26.38	30.00
5500MHz	Pass	7.00	16.69	15.83	19.29	22.98	26.29	30.00
5580MHz	Pass	7.00	16.56	16.40	19.49	22.98	26.49	30.00
5700MHz	Pass	7.00	16.60	16.15	19.39	22.98	26.39	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	15.98	15.68	18.84	21.80	25.84	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	9.90	9.90	12.91	29.00	19.91	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	19.15		19.15	22.98	26.15	30.00
5310MHz	Pass	7.00	17.32		17.32	22.98	24.32	30.00
5510MHz	Pass	7.00	15.89		15.89	22.98	22.89	30.00
5550MHz	Pass	7.00	18.72		18.72	22.98	25.72	30.00
5670MHz	Pass	7.00	17.56		17.56	22.98	24.56	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	20.41		20.41	22.98	27.41	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	9.43		9.43	29.00	16.43	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	18.17	18.71	21.46	22.98	28.46	30.00
5310MHz	Pass	7.00	16.05	15.83	18.95	22.98	25.95	30.00
5510MHz	Pass	7.00	15.67	15.03	18.37	22.98	25.37	30.00
5550MHz	Pass	7.00	17.75	17.01	20.41	22.98	27.41	30.00
5670MHz	Pass	7.00	16.56	16.10	19.35	22.98	26.35	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	19.51	19.26	22.40	22.98	29.40	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	8.44	8.50	11.48	29.00	18.48	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	16.66		16.66	22.98	23.66	30.00
5530MHz	Pass	7.00	15.85		15.85	22.98	22.85	30.00
5610MHz	Pass	7.00	17.73		17.73	22.98	24.73	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	19.05		19.05	22.98	26.05	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	3.85		3.85	29.00	10.85	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	15.27	15.46	18.38	22.98	25.38	30.00
5530MHz	Pass	7.00	14.93	14.49	17.73	22.98	24.73	30.00
5610MHz	Pass	7.00	16.23	15.92	19.09	22.98	26.09	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	18.07	17.75	20.92	22.98	27.92	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	2.83	2.62	5.74	29.00	12.74	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	19.61		19.61	22.98	26.61	30.00
5300MHz	Pass	7.00	19.16		19.16	22.98	26.16	30.00
5320MHz	Pass	7.00	17.89		17.89	22.98	24.89	30.00
5500MHz	Pass	7.00	17.30		17.30	22.98	24.30	30.00
5580MHz	Pass	7.00	20.23		20.23	22.98	27.23	30.00
5700MHz	Pass	7.00	16.35		16.35	22.98	23.35	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	19.20		19.20	22.98	26.20	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	13.66		13.66	29.00	20.66	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	16.33	16.55	19.45	22.98	26.45	30.00
5300MHz	Pass	7.00	16.87	16.82	19.86	22.98	26.86	30.00
5320MHz	Pass	7.00	16.92	16.24	19.60	22.98	26.60	30.00
5500MHz	Pass	7.00	16.99	16.35	19.69	22.98	26.69	30.00
5580MHz	Pass	7.00	16.85	16.71	19.79	22.98	26.79	30.00
5700MHz	Pass	7.00	16.69	16.46	19.59	22.98	26.59	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	16.11	15.91	19.02	21.92	26.02	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	10.71	10.28	13.51	29.00	20.51	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	19.25		19.25	22.98	26.25	30.00
5310MHz	Pass	7.00	17.44		17.44	22.98	24.44	30.00
5510MHz	Pass	7.00	16.13		16.13	22.98	23.13	30.00
5550MHz	Pass	7.00	18.84		18.84	22.98	25.84	30.00
5670MHz	Pass	7.00	17.62		17.62	22.98	24.62	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	20.68		20.68	22.98	27.68	30.00



Average Power_Group 1

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	10.78		10.78	29.00	17.78	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	18.84	19.45	22.17	22.98	29.17	30.00
5310MHz	Pass	7.00	16.12	15.96	19.05	22.98	26.05	30.00
5510MHz	Pass	7.00	15.80	15.19	18.52	22.98	25.52	30.00
5550MHz	Pass	7.00	17.88	17.85	20.88	22.98	27.88	30.00
5670MHz	Pass	7.00	16.73	16.27	19.52	22.98	26.52	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	19.63	19.32	22.49	22.98	29.49	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	9.49	9.50	12.51	29.00	19.51	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	16.82		16.82	22.98	23.82	30.00
5530MHz	Pass	7.00	16.06		16.06	22.98	23.06	30.00
5610MHz	Pass	7.00	18.01		18.01	22.98	25.01	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	19.32		19.32	22.98	26.32	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	5.11		5.11	29.00	12.11	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	15.42	15.75	18.60	22.98	25.60	30.00
5530MHz	Pass	7.00	15.20	14.68	17.96	22.98	24.96	30.00
5610MHz	Pass	7.00	16.39	16.10	19.26	22.98	26.26	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	18.38	18.08	21.24	22.98	28.24	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	4.11	3.83	6.98	29.00	13.98	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port1)

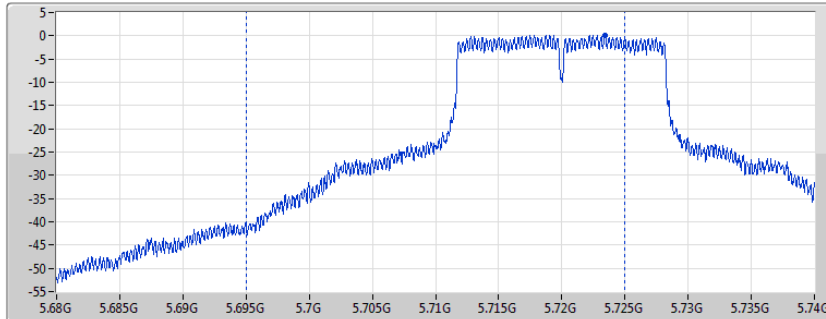
AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
19.36	19.36

802.11a_Nss1,(6Mbps)_1TX(Port1)

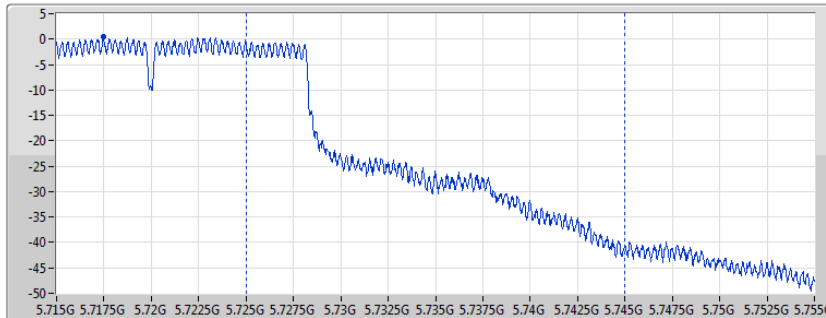
AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

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)
12.85	12.85

802.11a_Nss1,(6Mbps)_2TX

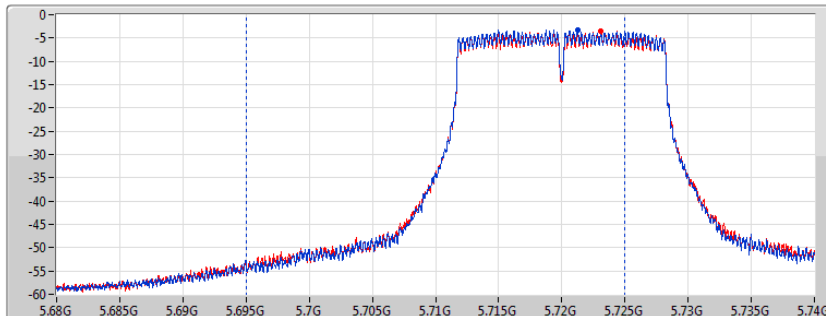
AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

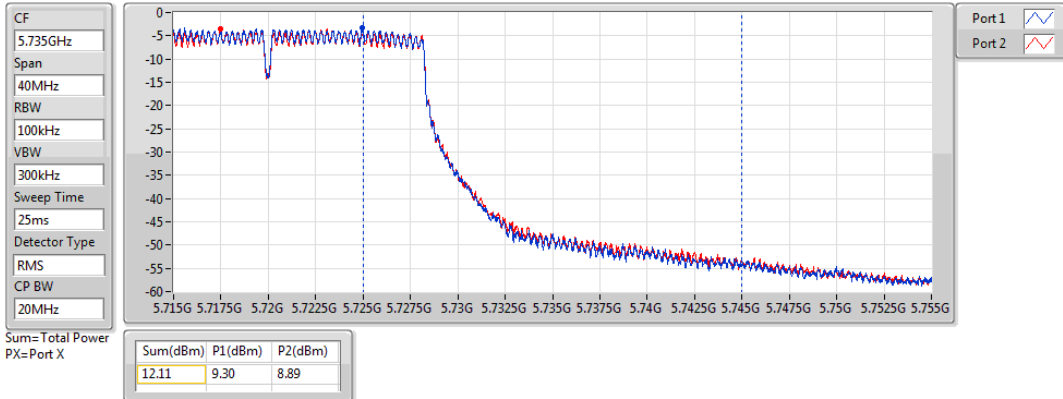
Sum(dBm)	P1(dBm)	P2(dBm)
18.61	15.76	15.43

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

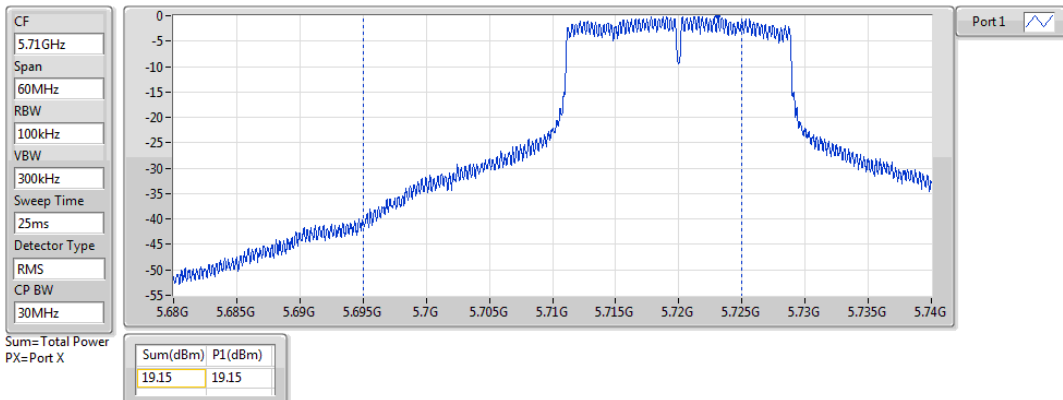


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

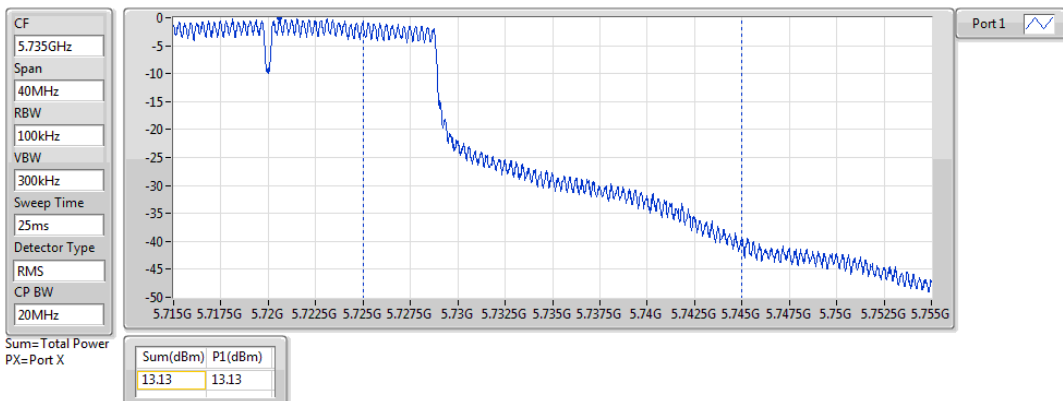


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

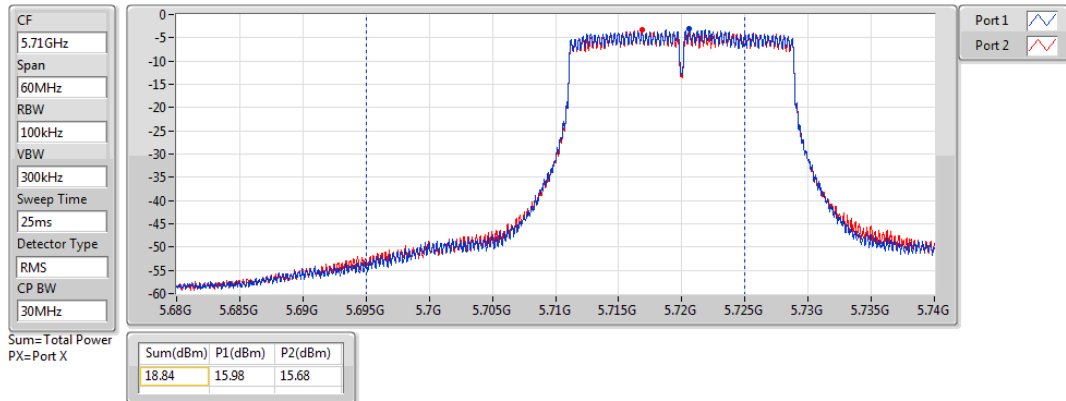


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

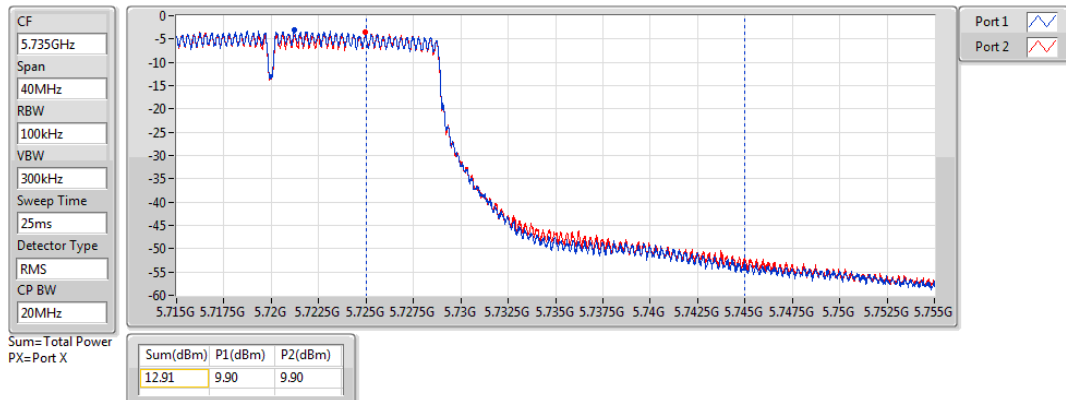


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

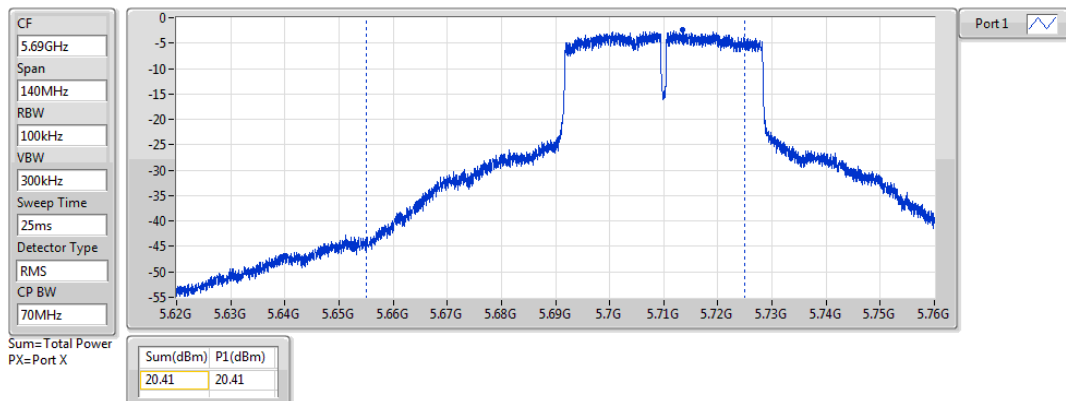


802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

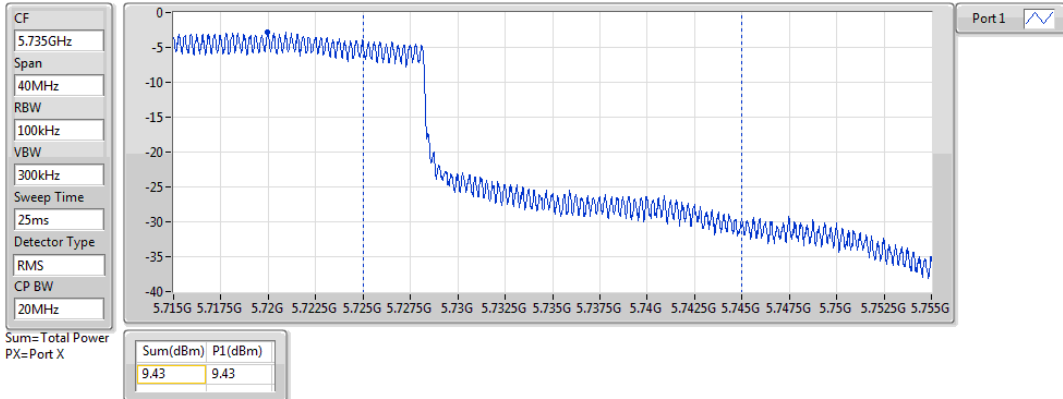


802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

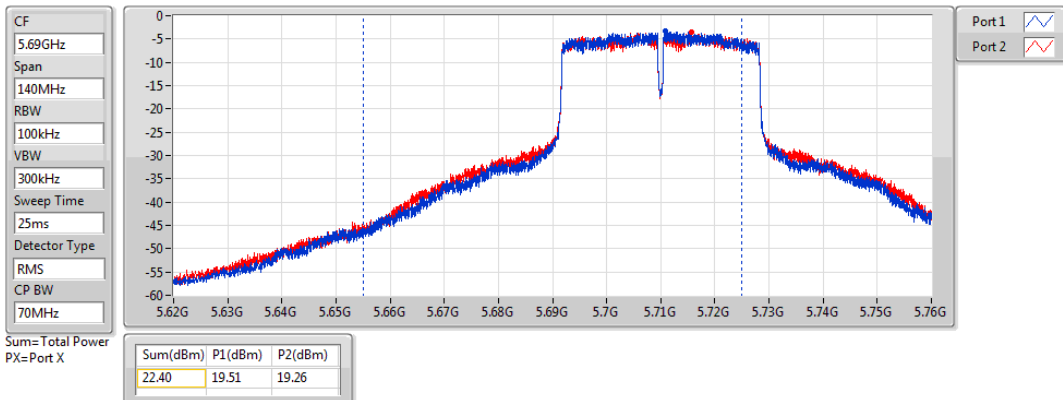


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

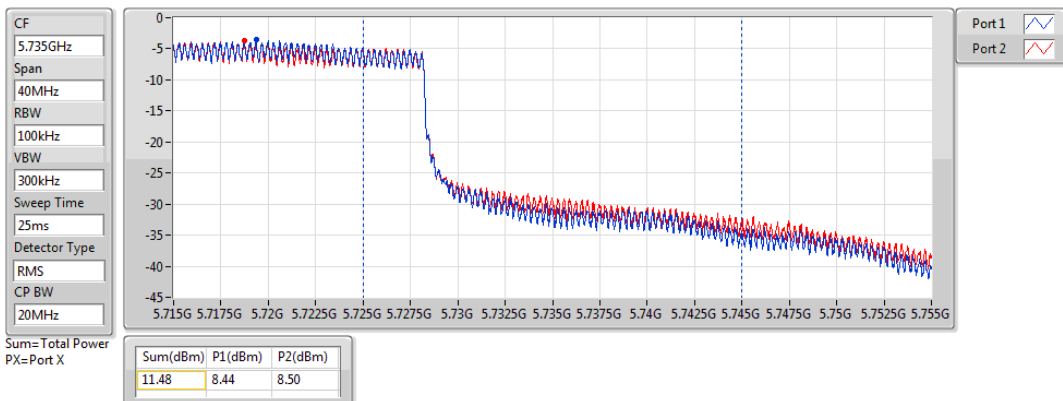


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

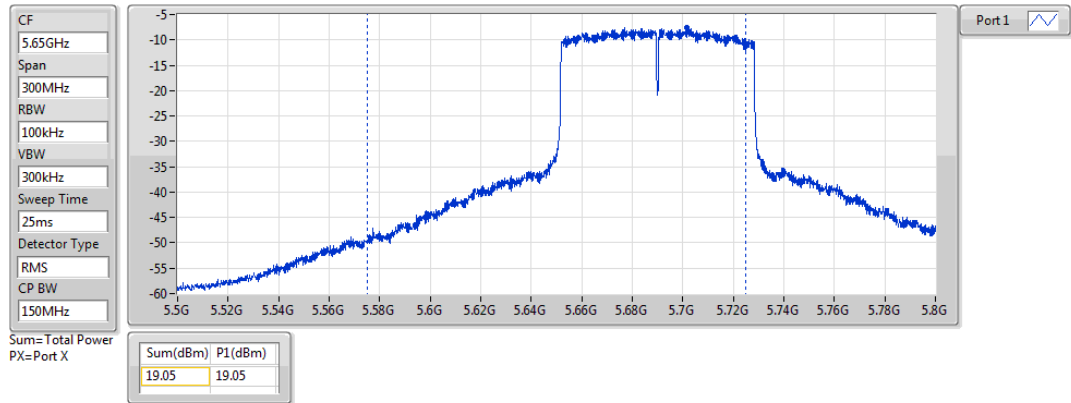
04/12/2019



802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

AV Power

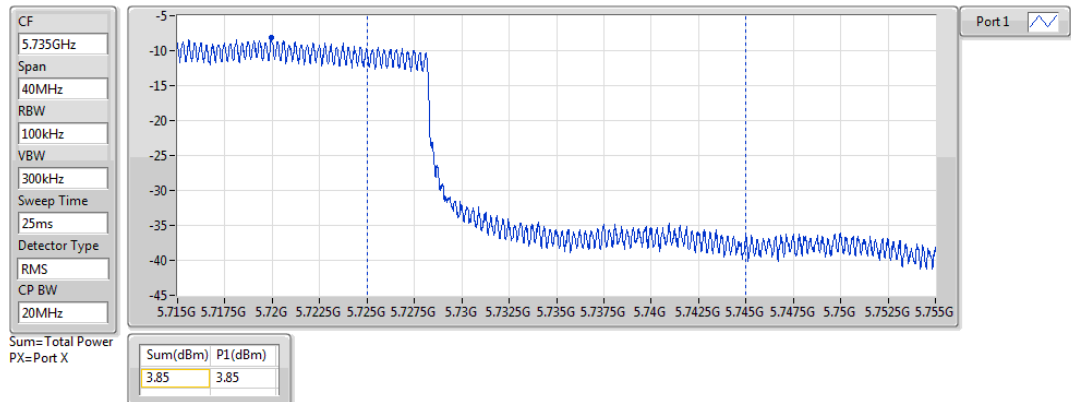
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

AV Power

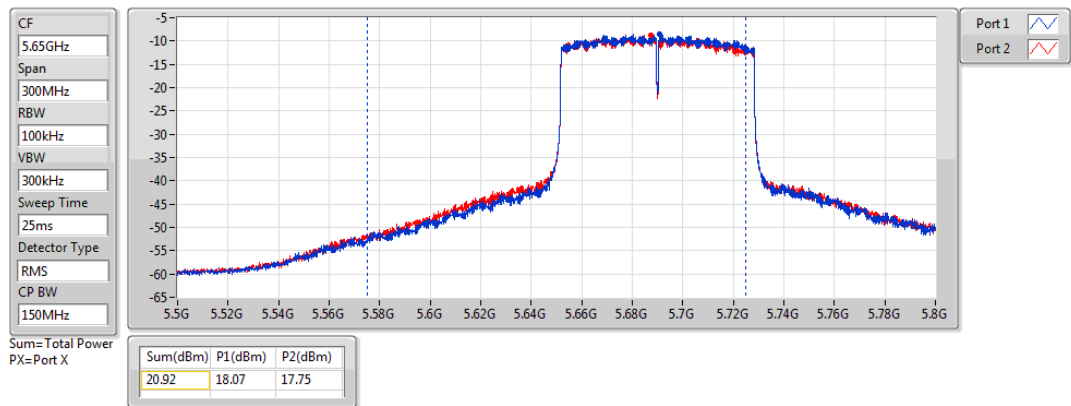
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

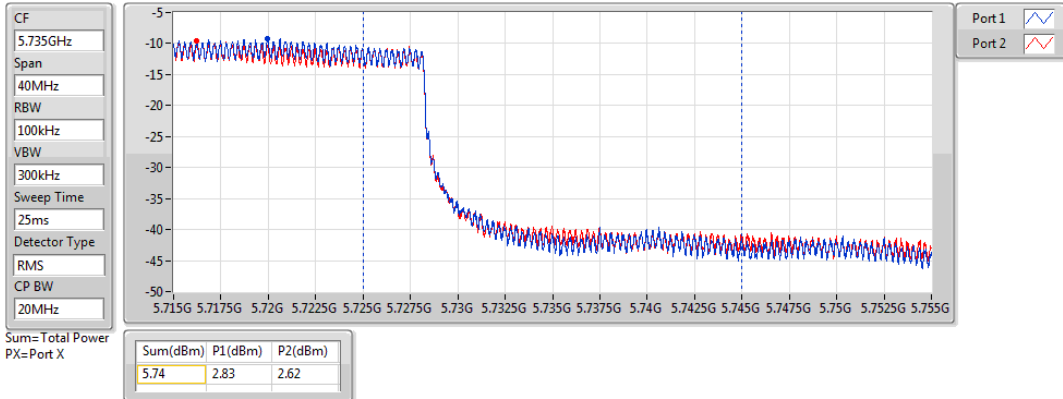


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

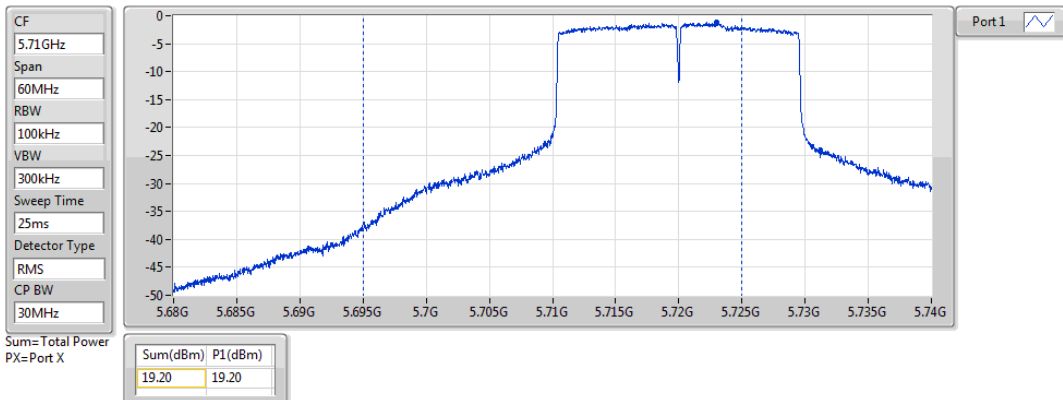


802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

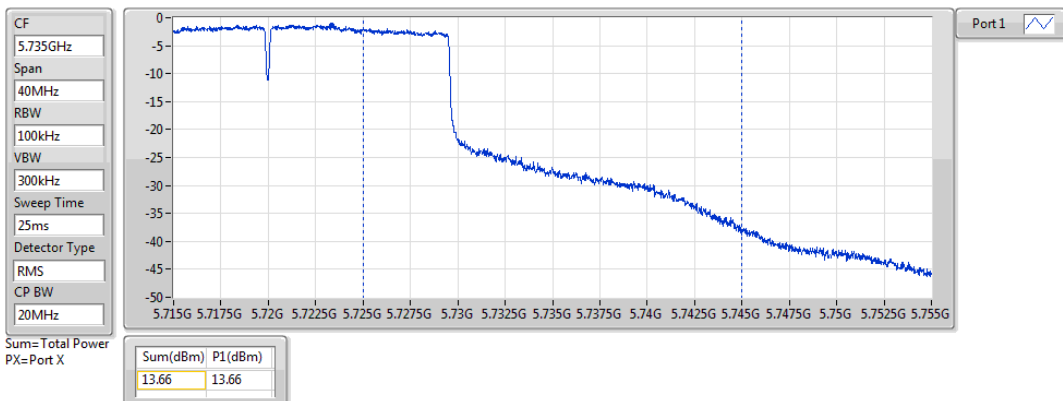


802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019



802.11ax HEW20_Nss1,(MCS0)_2TX

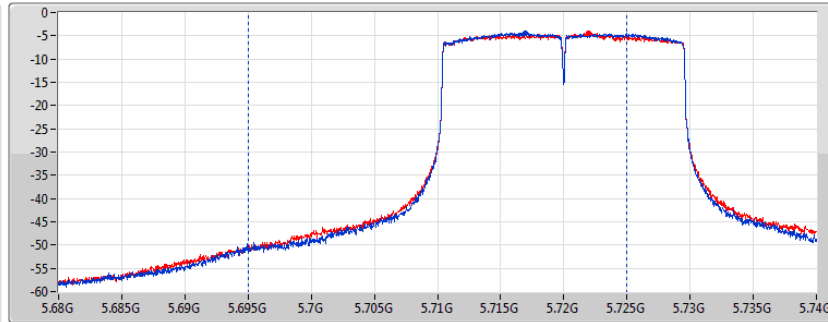
AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
19.02	16.11	15.91

802.11ax HEW20_Nss1,(MCS0)_2TX

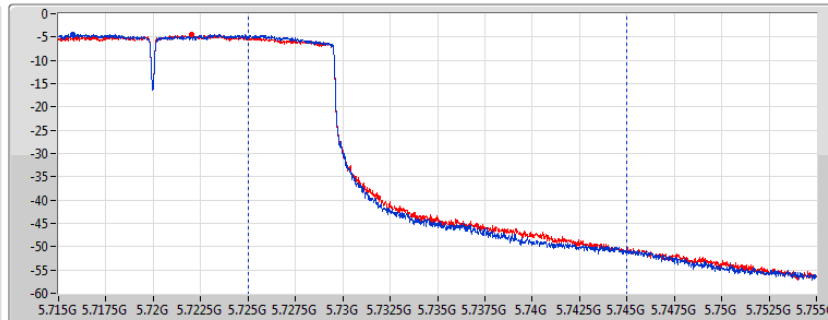
AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

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)
13.51	10.71	10.28

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

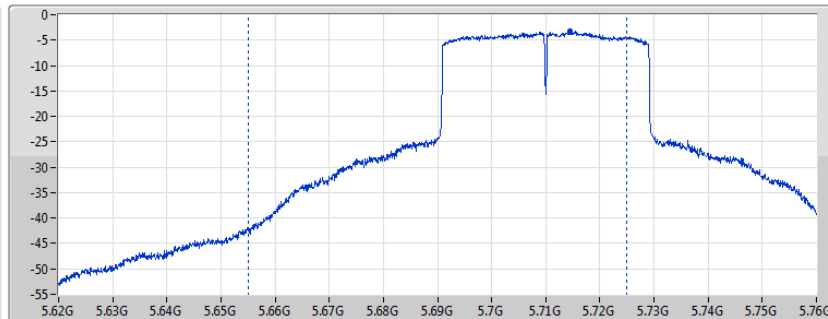
AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

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

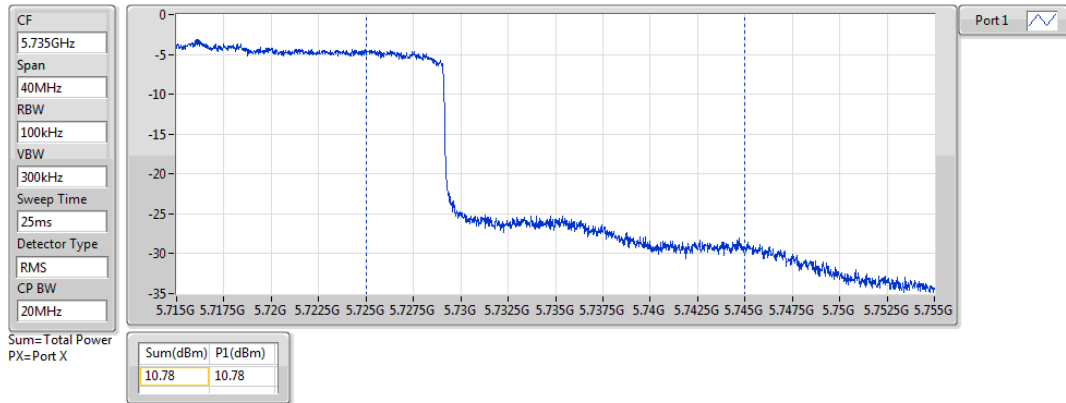
Sum(dBm)	P1(dBm)
20.68	20.68

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

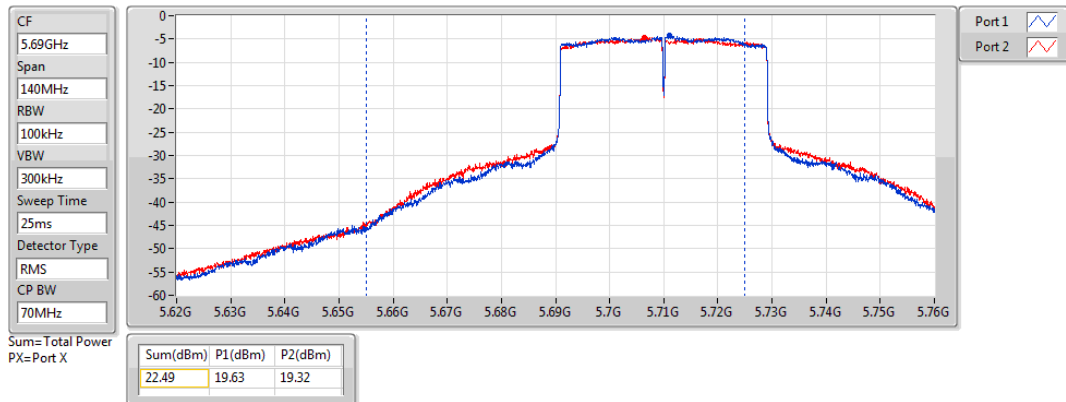


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

04/12/2019

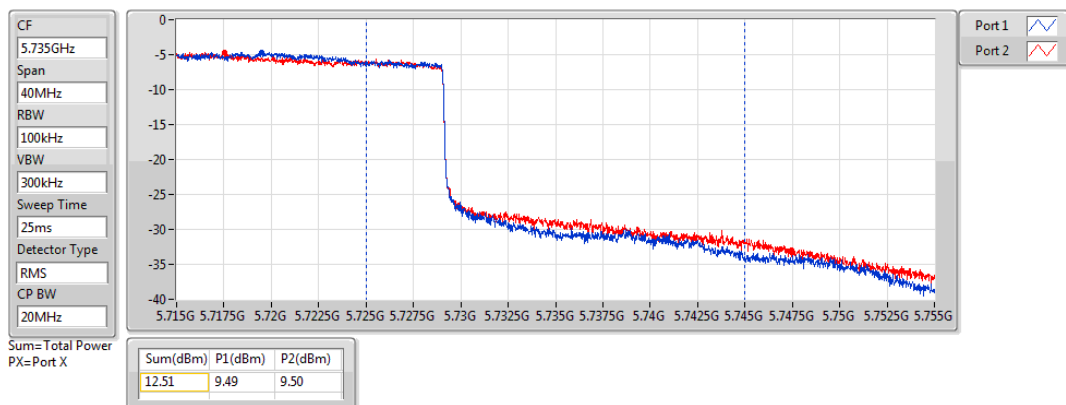


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

04/12/2019

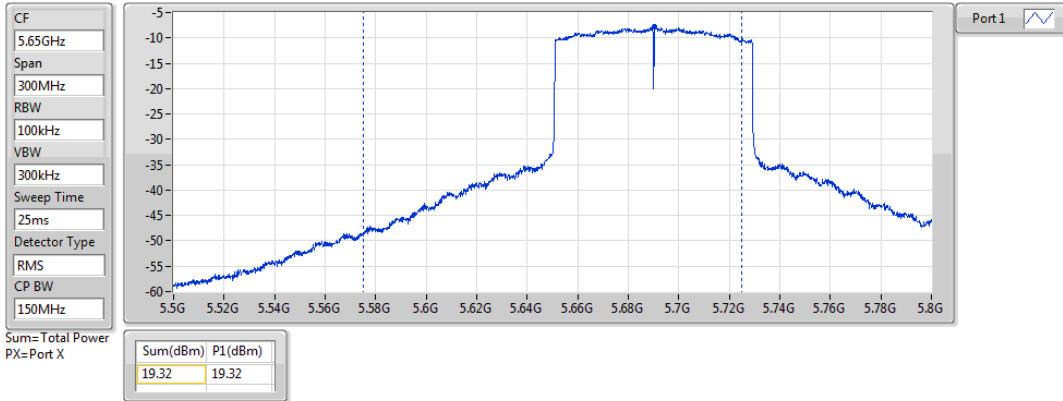


802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

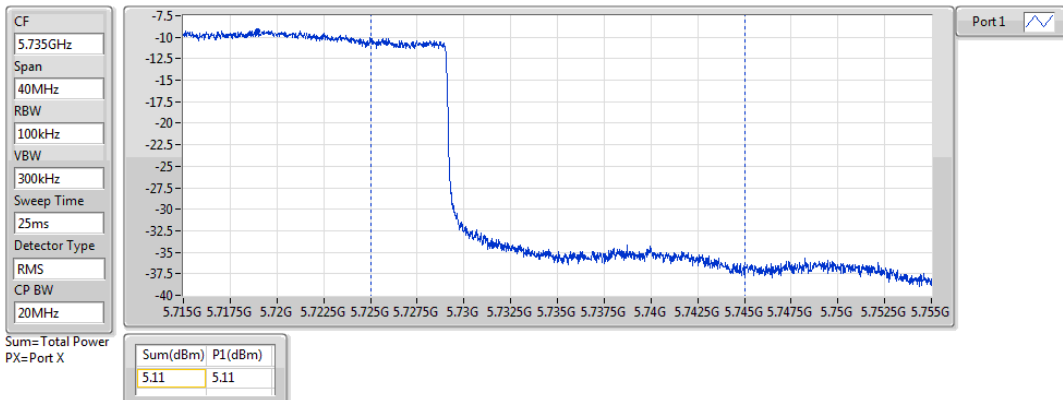


802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019

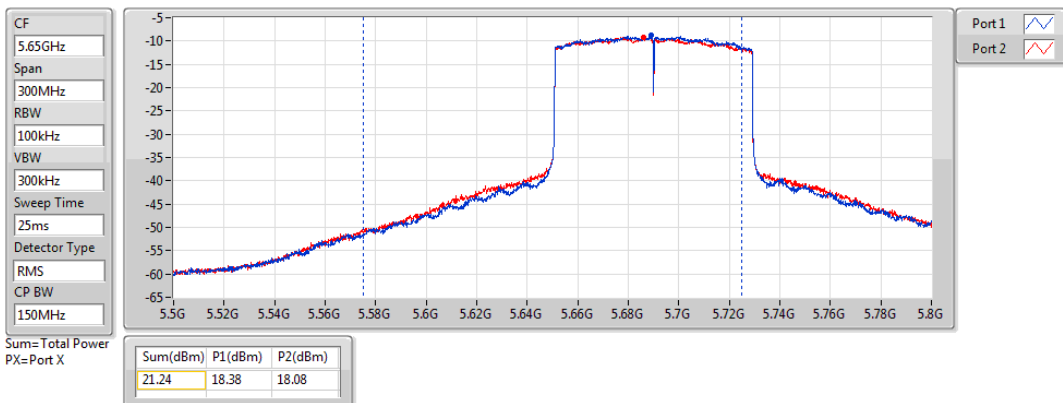


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

04/12/2019

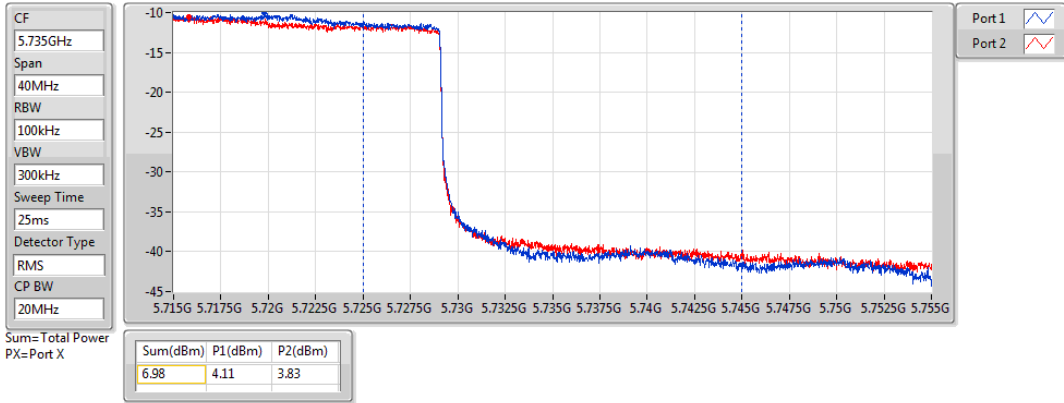


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

04/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.14	0.04111	29.14	0.82035
802.11a_Nss1,(6Mbps)_2TX	14.02	0.02523	27.02	0.50350
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	16.22	0.04188	29.22	0.83560
802.11ac VHT20_Nss1,(MCS0)_2TX	14.26	0.02667	27.26	0.53211
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	16.07	0.04046	29.07	0.80724
802.11ac VHT40_Nss1,(MCS0)_2TX	16.18	0.04150	29.18	0.82794
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	13.49	0.02234	26.49	0.44566
802.11ac VHT80_Nss1,(MCS0)_2TX	15.99	0.03972	28.99	0.79250
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	16.42	0.04385	29.42	0.87498
802.11ax HEW20_Nss1,(MCS0)_2TX	14.54	0.02844	27.54	0.56754
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	16.27	0.04236	29.27	0.84528
802.11ax HEW40_Nss1,(MCS0)_2TX	16.26	0.04227	29.26	0.84333
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	13.69	0.02339	26.69	0.46666
802.11ax HEW80_Nss1,(MCS0)_2TX	16.27	0.04236	29.27	0.84528
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.32	0.04285	29.32	0.85507
802.11a_Nss1,(6Mbps)_2TX	13.97	0.02495	26.97	0.49774
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	16.21	0.04178	29.21	0.83368
802.11ac VHT20_Nss1,(MCS0)_2TX	14.36	0.02729	27.36	0.54450
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	16.27	0.04236	29.27	0.84528
802.11ac VHT40_Nss1,(MCS0)_2TX	16.33	0.04295	29.33	0.85704
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.86	0.03855	28.86	0.76913
802.11ac VHT80_Nss1,(MCS0)_2TX	16.04	0.04018	29.04	0.80168
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	16.32	0.04285	29.32	0.85507
802.11ax HEW20_Nss1,(MCS0)_2TX	14.61	0.02891	27.61	0.57677
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	16.35	0.04315	29.35	0.86099
802.11ax HEW40_Nss1,(MCS0)_2TX	16.42	0.04385	29.42	0.87498
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	16.08	0.04055	29.08	0.80910
802.11ax HEW80_Nss1,(MCS0)_2TX	16.28	0.04246	29.28	0.84723
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	8.43	0.00697	21.43	0.13900
802.11a_Nss1,(6Mbps)_2TX	6.04	0.00402	19.04	0.08017
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	9.36	0.00863	22.36	0.17219
802.11ac VHT20_Nss1,(MCS0)_2TX	6.70	0.00468	19.70	0.09333
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	5.04	0.00319	18.04	0.06368
802.11ac VHT40_Nss1,(MCS0)_2TX	5.16	0.00328	18.16	0.06546
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	0.37	0.00109	13.37	0.02173
802.11ac VHT80_Nss1,(MCS0)_2TX	0.63	0.00116	13.63	0.02307
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	9.80	0.00955	22.80	0.19055
802.11ax HEW20_Nss1,(MCS0)_2TX	7.29	0.00536	20.29	0.10691
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	5.92	0.00391	18.92	0.07798
802.11ax HEW40_Nss1,(MCS0)_2TX	6.04	0.00402	19.04	0.08017
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	1.58	0.00144	14.58	0.02871



Average Power_Group 2

Appendix B

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	1.72	0.00149	14.72	0.02965

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)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		16.14	16.14	16.85	29.14	29.85
5300MHz	Pass	13.00		16.05	16.05	16.85	29.05	29.85
5320MHz	Pass	13.00		16.12	16.12	16.84	29.12	29.84
5500MHz	Pass	13.00		16.32	16.32	16.84	29.32	29.84
5580MHz	Pass	13.00		16.14	16.14	16.86	29.14	29.86
5700MHz	Pass	13.00		15.77	15.77	16.85	28.77	29.85
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		14.96	14.96	15.66	27.96	28.66
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		8.43	8.43	23.00	21.43	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	10.67	11.11	13.91	16.77	26.91	29.77
5300MHz	Pass	13.00	10.77	11.08	13.94	16.81	26.94	29.81
5320MHz	Pass	13.00	11.12	10.89	14.02	16.79	27.02	29.79
5500MHz	Pass	13.00	11.24	10.67	13.97	16.79	26.97	29.79
5580MHz	Pass	13.00	11.27	10.48	13.90	16.80	26.90	29.80
5700MHz	Pass	13.00	10.66	10.89	13.79	16.85	26.79	29.85
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.62	9.54	12.59	15.64	25.59	28.64
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	3.10	2.96	6.04	23.00	19.04	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		15.45	15.45	16.98	28.45	30.00
5300MHz	Pass	13.00		15.81	15.81	16.98	28.81	30.00
5320MHz	Pass	13.00		16.22	16.22	16.98	29.22	30.00
5500MHz	Pass	13.00		16.21	16.21	16.98	29.21	30.00
5580MHz	Pass	13.00		15.91	15.91	16.98	28.91	30.00
5700MHz	Pass	13.00		14.14	14.14	16.98	27.14	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		15.19	15.19	15.86	28.19	28.86
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		9.36	9.36	23.00	22.36	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	10.90	11.46	14.20	16.98	27.20	30.00
5300MHz	Pass	13.00	11.08	11.41	14.26	16.98	27.26	30.00
5320MHz	Pass	13.00	11.26	11.18	14.23	16.98	27.23	30.00
5500MHz	Pass	13.00	11.53	11.16	14.36	16.98	27.36	30.00
5580MHz	Pass	13.00	10.47	10.41	13.45	16.98	26.45	30.00
5700MHz	Pass	13.00	10.99	11.22	14.12	16.98	27.12	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.75	9.78	12.78	15.82	25.78	28.82
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	3.75	3.63	6.70	23.00	19.70	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00		16.07	16.07	16.98	29.07	30.00
5310MHz	Pass	13.00		14.09	14.09	16.98	27.09	30.00
5510MHz	Pass	13.00		14.44	14.44	16.98	27.44	30.00
5550MHz	Pass	13.00		15.96	15.96	16.98	28.96	30.00
5670MHz	Pass	13.00		15.53	15.53	16.98	28.53	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00		16.27	16.27	16.98	29.27	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00		5.04	5.04	23.00	18.04	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00	12.60	13.25	15.95	16.98	28.95	30.00
5310MHz	Pass	13.00	13.09	13.25	16.18	16.98	29.18	30.00
5510MHz	Pass	13.00	13.30	12.86	16.10	16.98	29.10	30.00
5550MHz	Pass	13.00	13.19	13.08	16.15	16.98	29.15	30.00
5670MHz	Pass	13.00	13.37	13.04	16.22	16.98	29.22	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00	13.36	13.27	16.33	16.98	29.33	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00	2.29	2.01	5.16	23.00	18.16	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00		13.49	13.49	16.98	26.49	30.00
5530MHz	Pass	13.00		14.39	14.39	16.98	27.39	30.00
5610MHz	Pass	13.00		15.39	15.39	16.98	28.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00		15.86	15.86	16.98	28.86	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00		0.37	0.37	23.00	13.37	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	12.87	13.09	15.99	16.98	28.99	30.00
5530MHz	Pass	13.00	13.03	13.03	16.04	16.98	29.04	30.00
5610MHz	Pass	13.00	12.95	12.47	15.73	16.98	28.73	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00	12.94	12.89	15.93	16.98	28.93	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00	-2.19	-2.57	0.63	23.00	13.63	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00		16.25	16.25	16.98	29.25	30.00
5300MHz	Pass	13.00		16.12	16.12	16.98	29.12	30.00
5320MHz	Pass	13.00		16.42	16.42	16.98	29.42	30.00
5500MHz	Pass	13.00		16.32	16.32	16.98	29.32	30.00
5580MHz	Pass	13.00		16.21	16.21	16.98	29.21	30.00
5700MHz	Pass	13.00		14.38	14.38	16.98	27.38	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00		15.19	15.19	15.93	28.19	28.93
5720MHz Straddle 5.725-5.85GHz	Pass	13.00		9.80	9.80	23.00	22.80	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	11.14	11.60	14.39	16.98	27.39	30.00
5300MHz	Pass	13.00	11.32	11.72	14.53	16.98	27.53	30.00
5320MHz	Pass	13.00	11.56	11.49	14.54	16.98	27.54	30.00
5500MHz	Pass	13.00	11.84	11.34	14.61	16.98	27.61	30.00
5580MHz	Pass	13.00	11.29	10.66	14.00	16.98	27.00	30.00
5700MHz	Pass	13.00	11.24	11.46	14.36	16.98	27.36	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.00	9.87	9.95	12.92	15.89	25.92	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	13.00	4.30	4.25	7.29	23.00	20.29	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00		16.27	16.27	16.98	29.27	30.00
5310MHz	Pass	13.00		14.27	14.27	16.98	27.27	30.00
5510MHz	Pass	13.00		14.51	14.51	16.98	27.51	30.00
5550MHz	Pass	13.00		16.10	16.10	16.98	29.10	30.00
5670MHz	Pass	13.00		15.61	15.61	16.98	28.61	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00		16.35	16.35	16.98	29.35	30.00



Average Power_Group 2

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	13.00		5.92	5.92	23.00	18.92	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	13.00	12.73	13.31	16.04	16.98	29.04	30.00
5310MHz	Pass	13.00	13.22	13.27	16.26	16.98	29.26	30.00
5510MHz	Pass	13.00	13.41	13.11	16.27	16.98	29.27	30.00
5550MHz	Pass	13.00	13.36	13.10	16.24	16.98	29.24	30.00
5670MHz	Pass	13.00	13.53	13.25	16.40	16.98	29.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	13.00	13.41	13.40	16.42	16.98	29.42	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.00	3.17	2.89	6.04	23.00	19.04	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00		13.69	13.69	16.98	26.69	30.00
5530MHz	Pass	13.00		14.68	14.68	16.98	27.68	30.00
5610MHz	Pass	13.00		15.75	15.75	16.98	28.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00		16.08	16.08	16.98	29.08	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00		1.58	1.58	23.00	14.58	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	13.20	13.32	16.27	16.98	29.27	30.00
5530MHz	Pass	13.00	13.40	13.13	16.28	16.98	29.28	30.00
5610MHz	Pass	13.00	13.33	12.69	16.03	16.98	29.03	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	13.00	13.17	13.10	16.15	16.98	29.15	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.00	-1.10	-1.48	1.72	23.00	14.72	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port2)

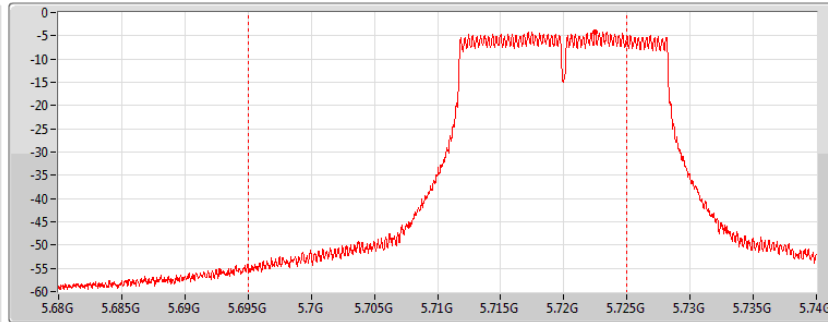
AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
14.96		14.96

802.11a_Nss1,(6Mbps)_1TX(Port2)

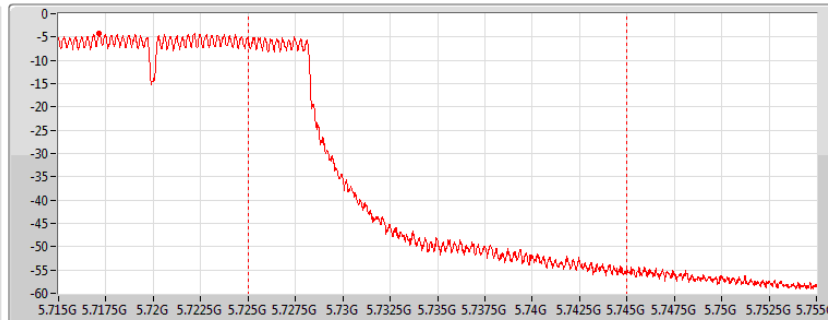
AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

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 2

Sum(dBm)	P1(dBm)	P2(dBm)
8.43		8.43

802.11a_Nss1,(6Mbps)_2TX

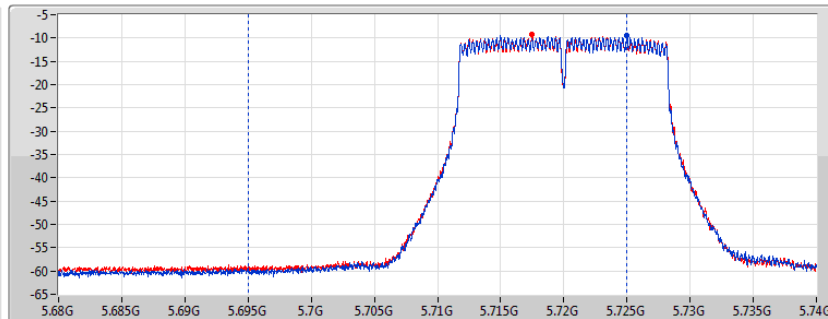
AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

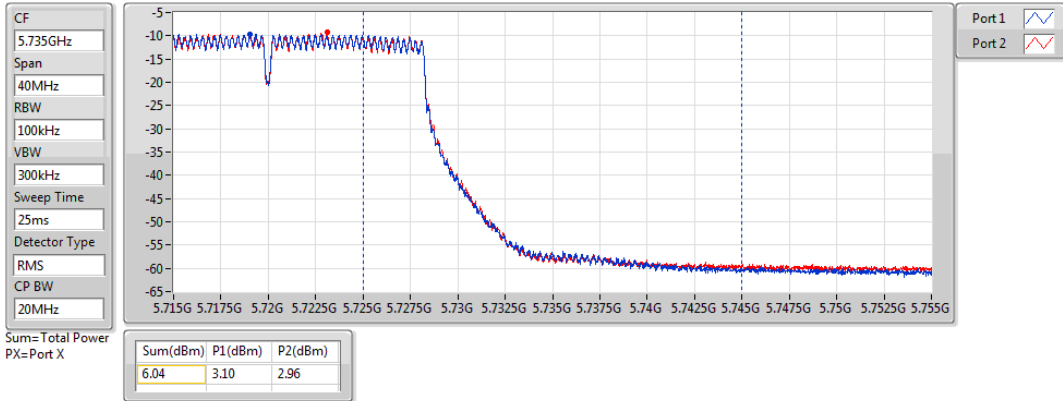
Sum(dBm)	P1(dBm)	P2(dBm)
12.59	9.62	9.54

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

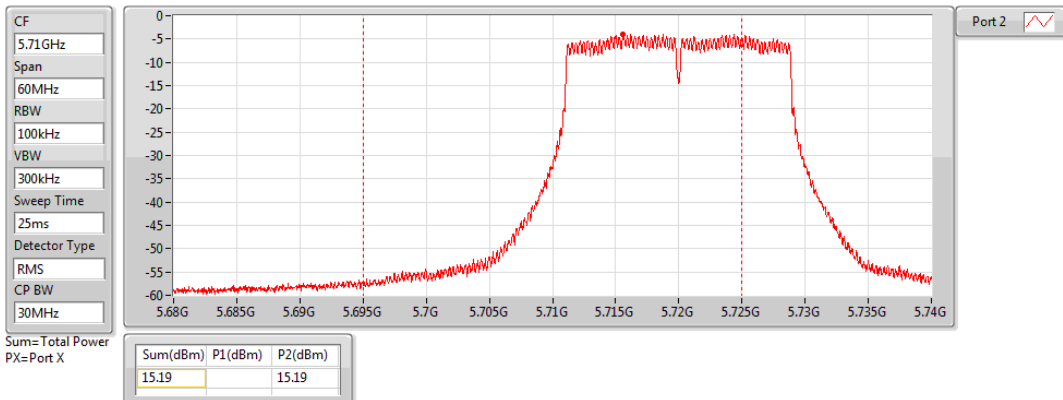


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

06/12/2019

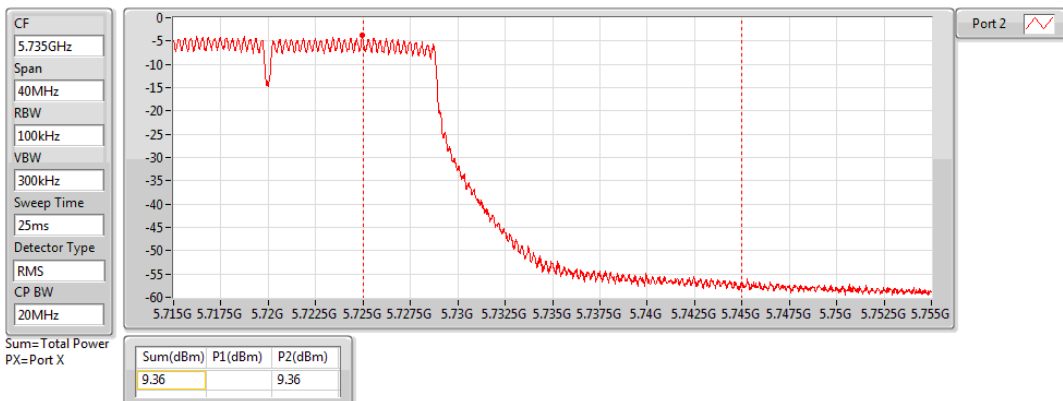


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

06/12/2019

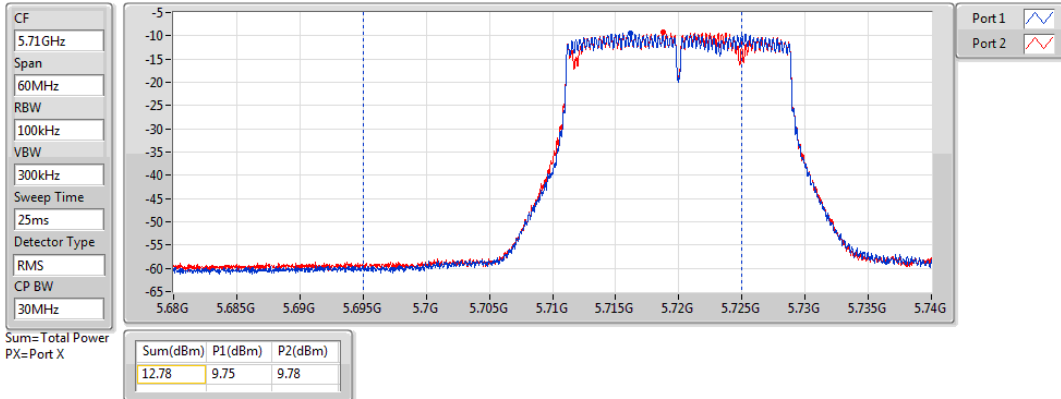


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

06/12/2019

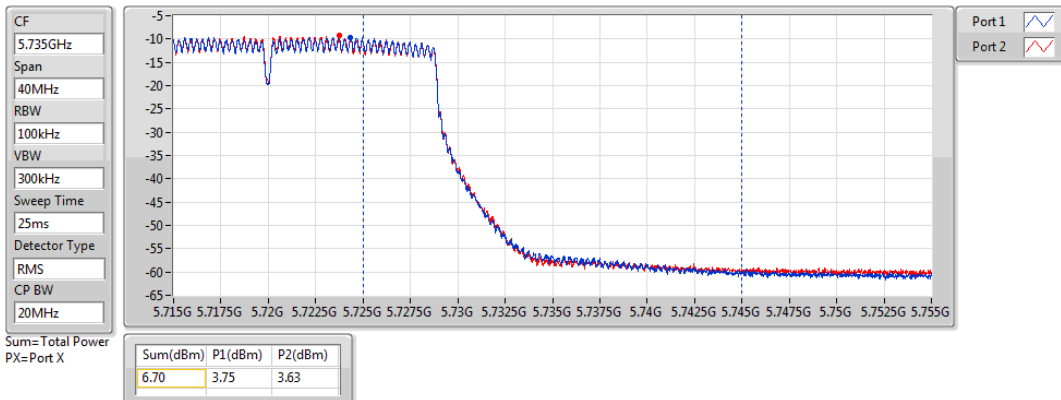


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

06/12/2019

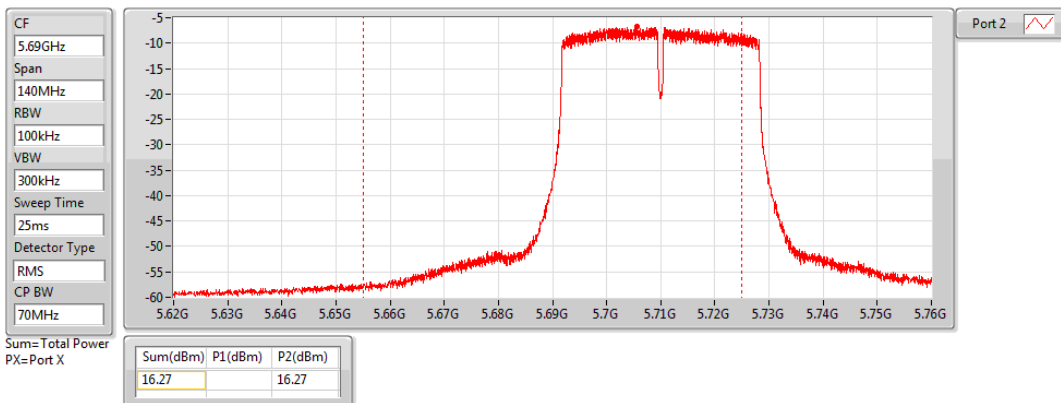


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

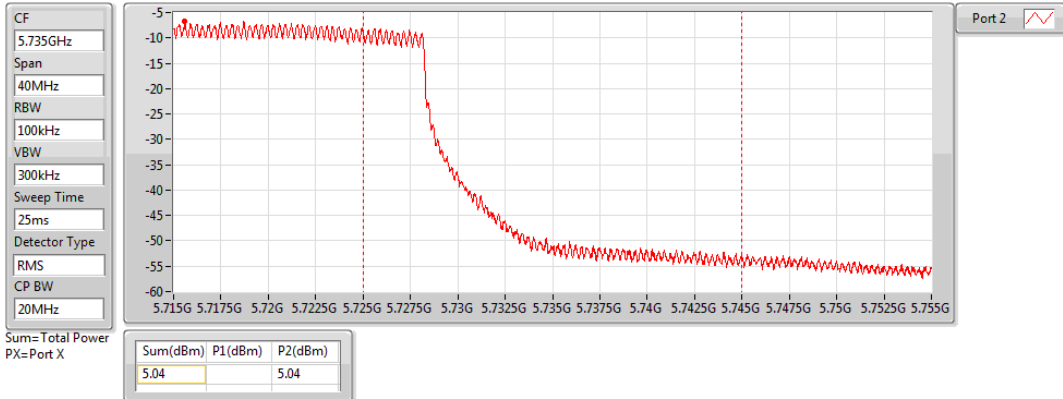


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

06/12/2019

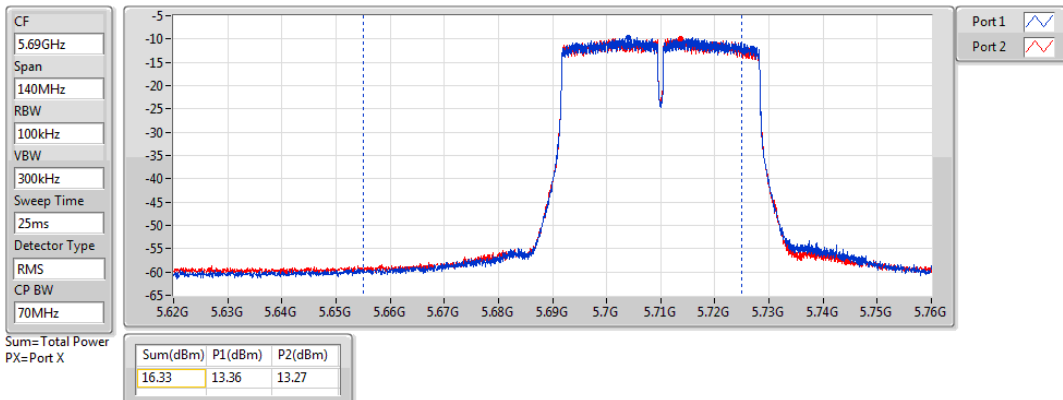


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

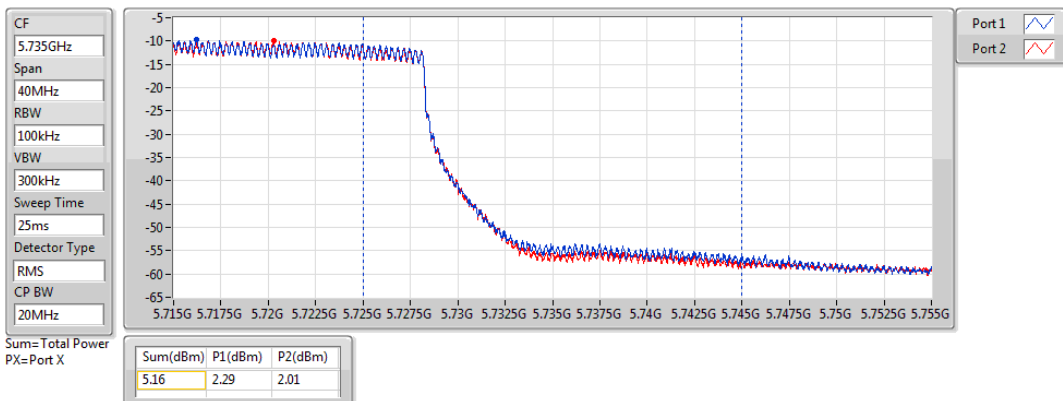


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

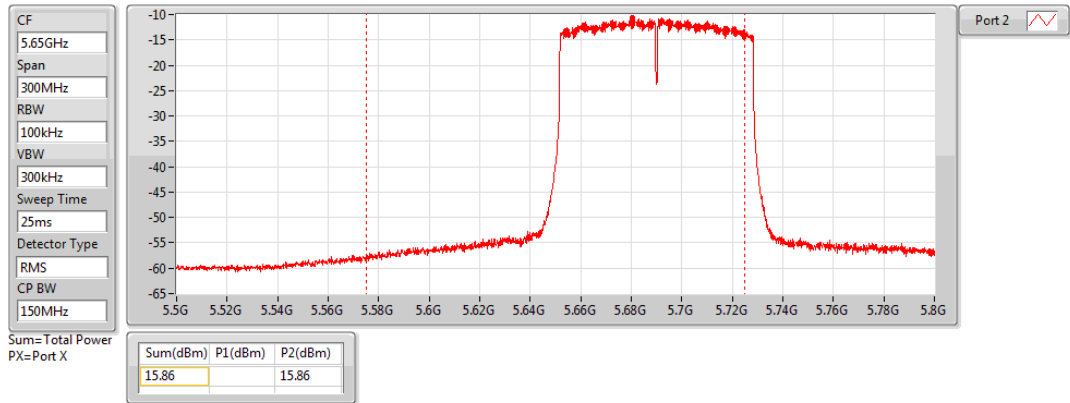
06/12/2019



802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

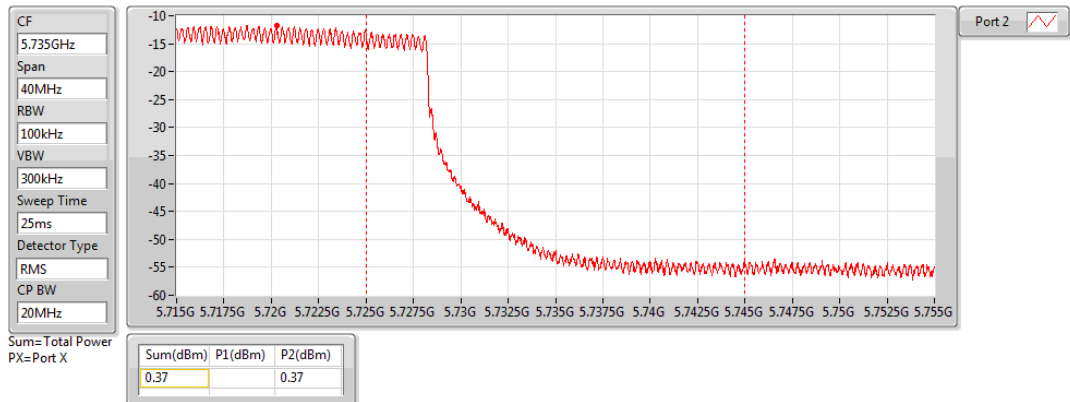
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

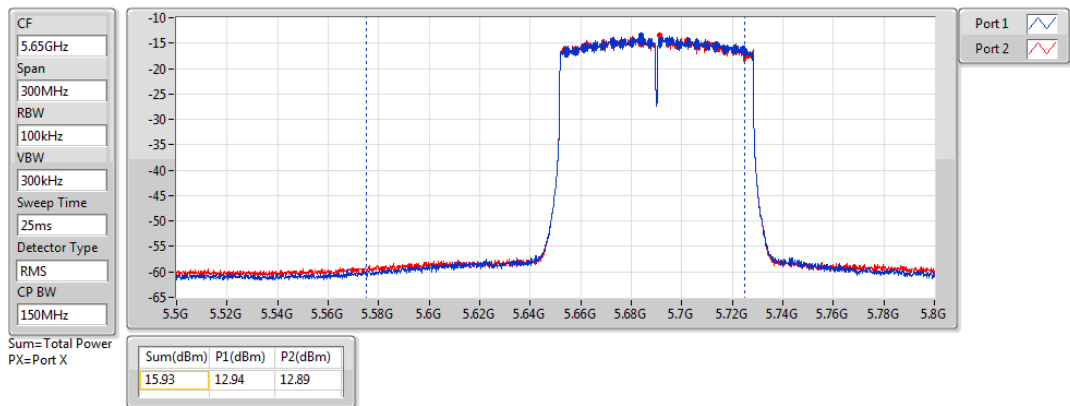
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

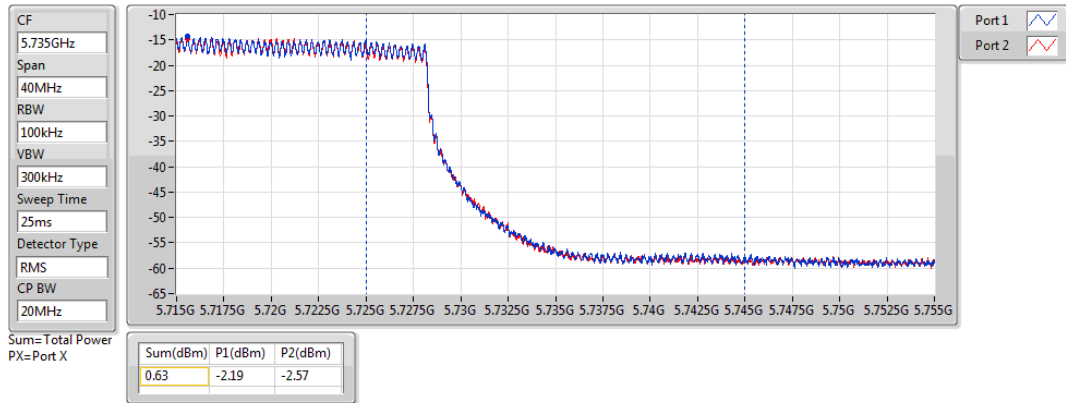


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/12/2019

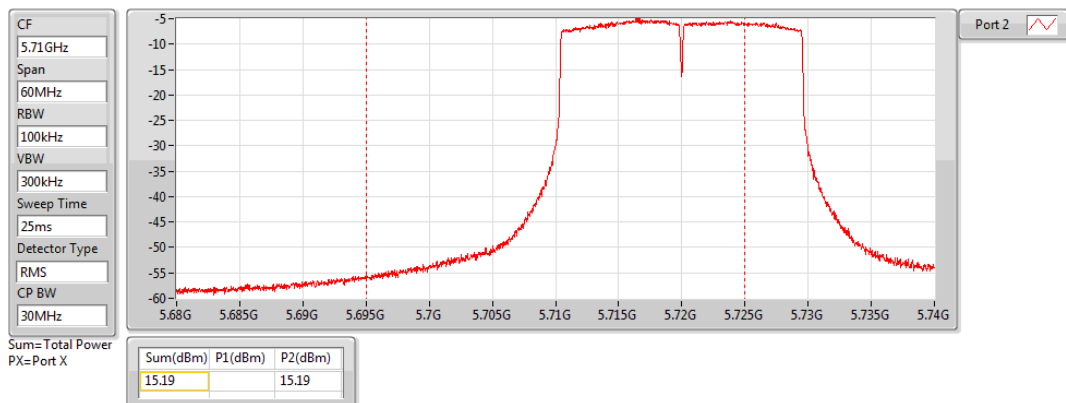


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

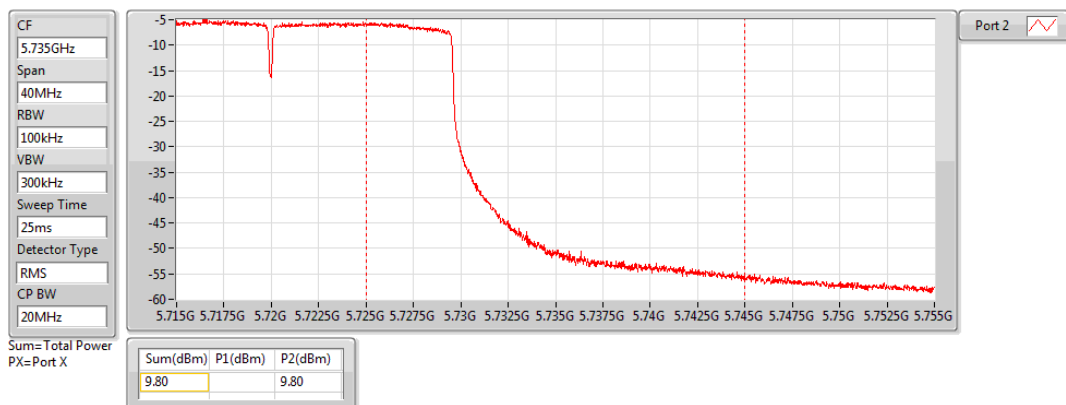


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

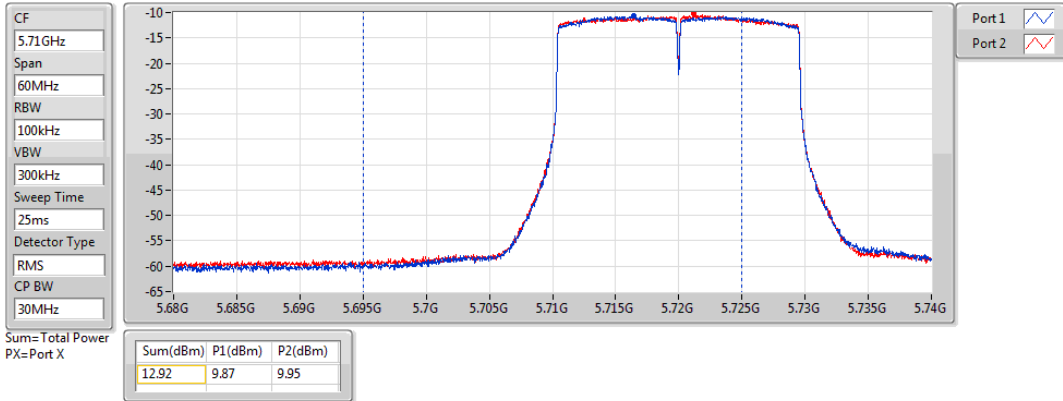


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

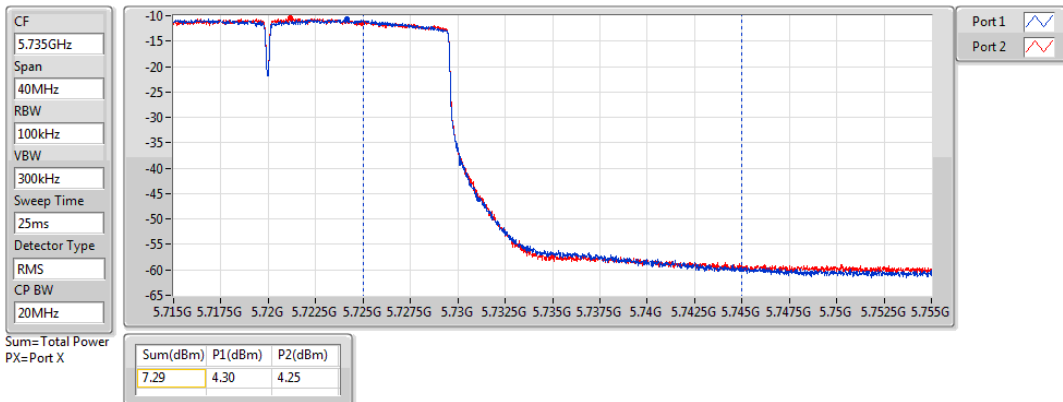


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

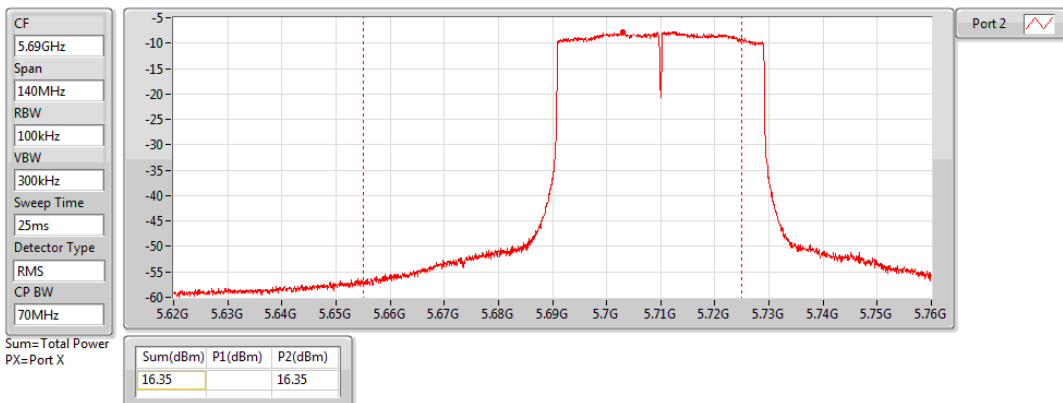


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

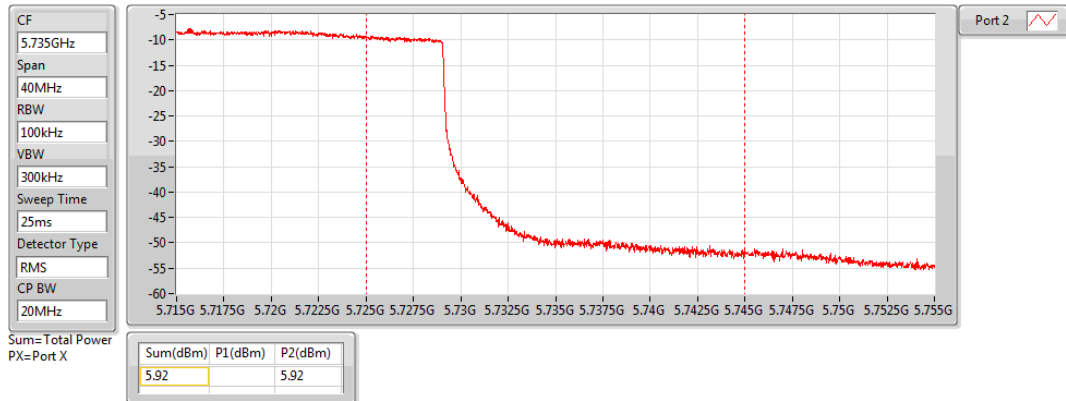


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

06/12/2019

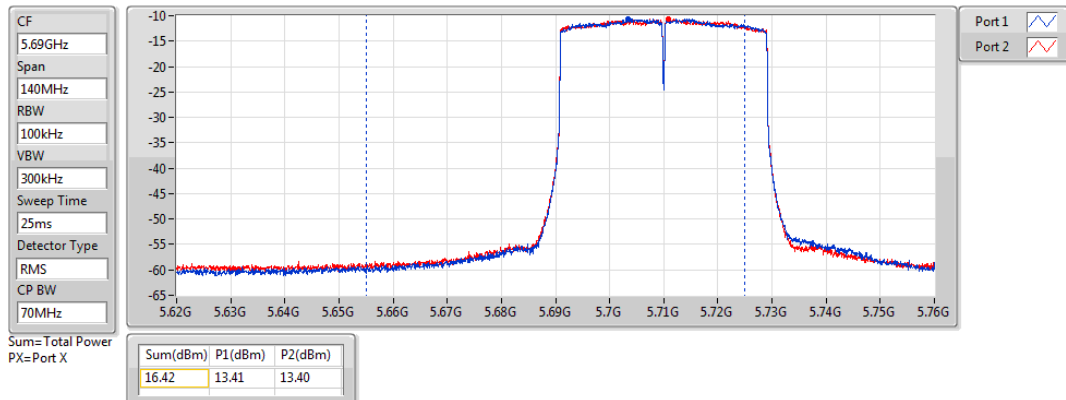


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

06/12/2019

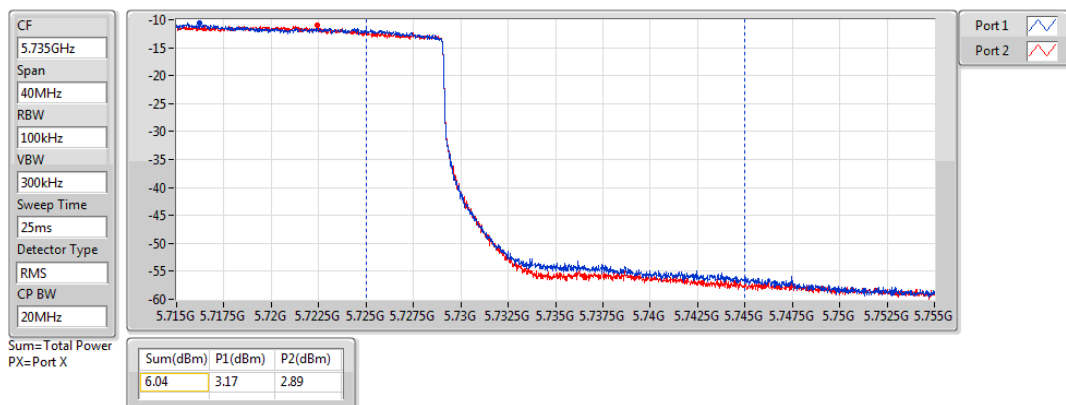


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

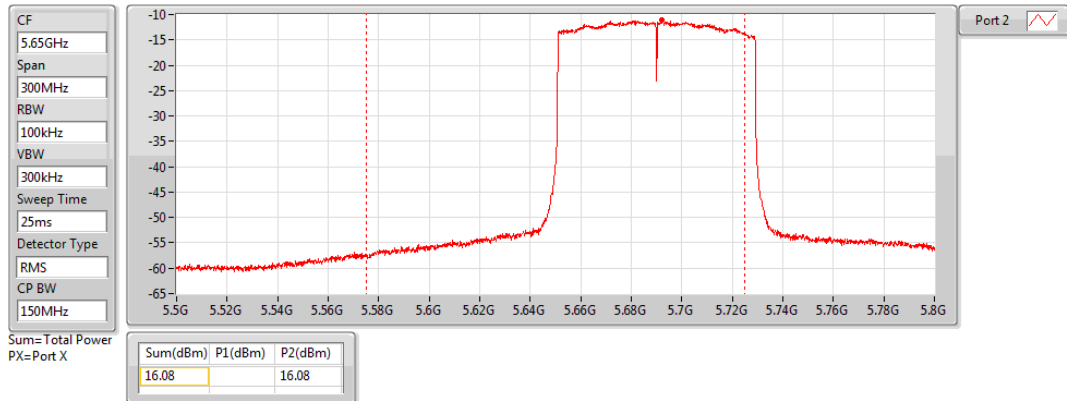
06/12/2019



802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

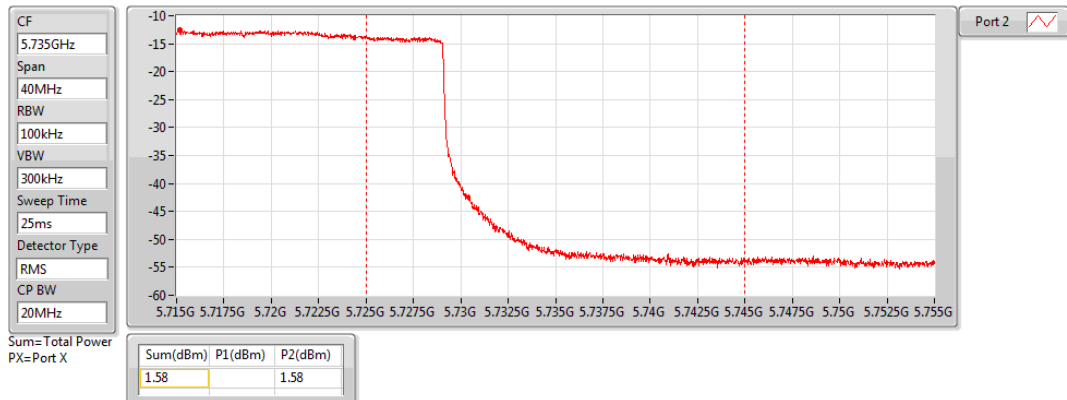
5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

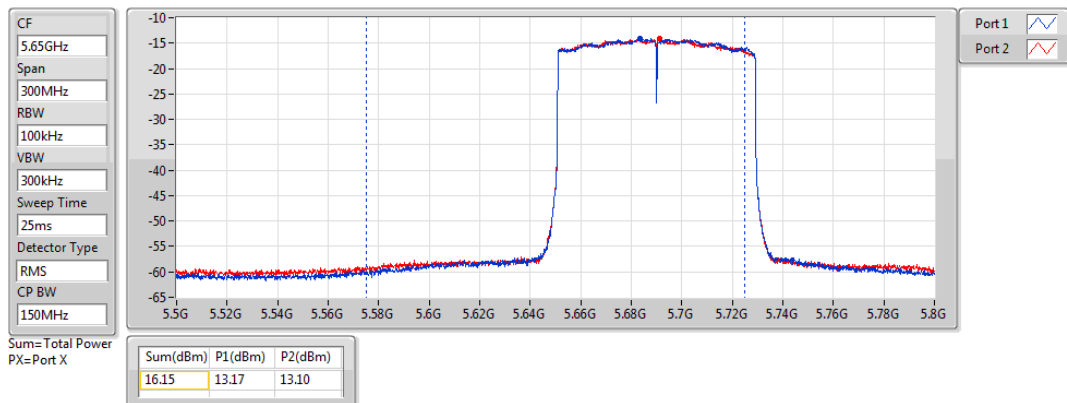
5690MHz Straddle 5.725-5.85GHz



802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

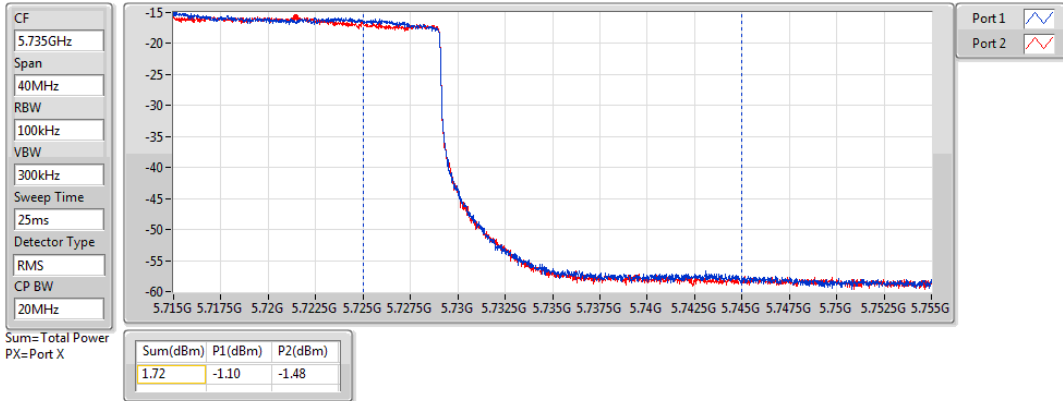


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

06/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	20.02	0.10046	27.12	0.51523
802.11a_Nss1,(6Mbps)_2TX	19.27	0.08453	26.37	0.43351
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	19.99	0.09977	27.09	0.51168
802.11ac VHT20_Nss1,(MCS0)_2TX	19.38	0.08670	26.48	0.44463
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	18.16	0.06546	25.26	0.33574
802.11ac VHT40_Nss1,(MCS0)_2TX	21.46	0.13996	28.56	0.71779
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	16.16	0.04130	23.26	0.21184
802.11ac VHT80_Nss1,(MCS0)_2TX	18.38	0.06887	25.48	0.35318
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	20.07	0.10162	27.17	0.52119
802.11ax HEW20_Nss1,(MCS0)_2TX	19.60	0.09120	26.70	0.46774
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	18.30	0.06761	25.40	0.34674
802.11ax HEW40_Nss1,(MCS0)_2TX	22.17	0.16482	29.27	0.84528
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	16.53	0.04498	23.63	0.23067
802.11ax HEW80_Nss1,(MCS0)_2TX	18.60	0.07244	25.70	0.37154
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	19.67	0.09268	26.77	0.47534
802.11a_Nss1,(6Mbps)_2TX	19.13	0.08185	26.23	0.41976
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	19.88	0.09727	26.98	0.49888
802.11ac VHT20_Nss1,(MCS0)_2TX	19.49	0.08892	26.59	0.45604
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	19.54	0.08995	26.64	0.46132
802.11ac VHT40_Nss1,(MCS0)_2TX	21.52	0.14191	28.62	0.72778
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	18.53	0.07129	25.63	0.36559
802.11ac VHT80_Nss1,(MCS0)_2TX	21.64	0.14588	28.74	0.74817
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	20.08	0.10186	27.18	0.52240
802.11ax HEW20_Nss1,(MCS0)_2TX	19.79	0.09528	26.89	0.48865
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	18.94	0.07834	26.04	0.40179
802.11ax HEW40_Nss1,(MCS0)_2TX	22.14	0.16368	29.24	0.83946
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	18.73	0.07464	25.83	0.38282
802.11ax HEW80_Nss1,(MCS0)_2TX	21.83	0.15241	28.93	0.78163
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	11.43	0.01390	18.53	0.07129
802.11a_Nss1,(6Mbps)_2TX	12.11	0.01626	19.21	0.08337
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	12.30	0.01698	19.40	0.08710
802.11ac VHT20_Nss1,(MCS0)_2TX	12.91	0.01954	20.01	0.10023
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	8.86	0.00769	15.96	0.03945
802.11ac VHT40_Nss1,(MCS0)_2TX	10.60	0.01148	17.70	0.05888
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	3.29	0.00213	10.39	0.01094
802.11ac VHT80_Nss1,(MCS0)_2TX	6.61	0.00458	13.71	0.02350
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	12.51	0.01782	19.61	0.09141
802.11ax HEW20_Nss1,(MCS0)_2TX	13.51	0.02244	20.61	0.11508
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	10.73	0.01183	17.83	0.06067
802.11ax HEW40_Nss1,(MCS0)_2TX	12.04	0.01600	19.14	0.08204
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	4.41	0.00276	11.51	0.01416



Average Power_Group 3

Appendix B

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	7.64	0.00581	14.74	0.02979

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)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		20.02	20.02	22.88	27.12	30.00
5300MHz	Pass	7.10		20.01	20.01	22.88	27.11	30.00
5320MHz	Pass	7.10		17.52	17.52	22.88	24.62	30.00
5500MHz	Pass	7.10		17.63	17.63	22.88	24.73	30.00
5580MHz	Pass	7.10		19.67	19.67	22.88	26.77	30.00
5700MHz	Pass	7.10		15.27	15.27	22.88	22.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		17.84	17.84	22.88	24.94	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		11.43	11.43	28.90	18.53	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	15.52	16.17	18.87	22.76	25.97	29.86
5300MHz	Pass	7.10	16.22	16.30	19.27	22.88	26.37	30.00
5320MHz	Pass	7.10	16.43	15.68	19.08	22.90	26.18	30.00
5500MHz	Pass	7.10	16.38	15.64	19.04	22.77	26.14	29.87
5580MHz	Pass	7.10	16.17	16.07	19.13	22.77	26.23	29.87
5700MHz	Pass	7.10	15.41	15.26	18.35	22.77	25.45	29.87
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	15.76	15.43	18.61	21.57	25.71	28.67
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	9.30	8.89	12.11	28.90	19.21	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		19.91	19.91	22.88	27.01	30.00
5300MHz	Pass	7.10		19.99	19.99	22.88	27.09	30.00
5320MHz	Pass	7.10		16.43	16.43	22.88	23.53	30.00
5500MHz	Pass	7.10		16.53	16.53	22.88	23.63	30.00
5580MHz	Pass	7.10		19.88	19.88	22.88	26.98	30.00
5700MHz	Pass	7.10		15.05	15.05	22.88	22.15	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		17.95	17.95	22.88	25.05	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		12.30	12.30	28.90	19.40	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	15.87	16.48	19.20	22.88	26.30	30.00
5300MHz	Pass	7.10	16.44	16.21	19.34	22.88	26.44	30.00
5320MHz	Pass	7.10	16.75	15.95	19.38	22.88	26.48	30.00
5500MHz	Pass	7.10	16.69	15.83	19.29	22.88	26.39	30.00
5580MHz	Pass	7.10	16.56	16.40	19.49	22.88	26.59	30.00
5700MHz	Pass	7.10	15.31	15.01	18.17	22.88	25.27	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	15.98	15.68	18.84	21.70	25.94	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	9.90	9.90	12.91	28.90	20.01	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10		18.16	18.16	22.88	25.26	30.00
5310MHz	Pass	7.10		16.37	16.37	22.88	23.47	30.00
5510MHz	Pass	7.10		16.16	16.16	22.88	23.26	30.00
5550MHz	Pass	7.10		18.72	18.72	22.88	25.82	30.00
5670MHz	Pass	7.10		16.17	16.17	22.88	23.27	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10		19.54	19.54	22.88	26.64	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10		8.86	8.86	28.90	15.96	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	18.17	18.71	21.46	22.88	28.56	30.00
5310MHz	Pass	7.10	16.03	15.81	18.93	22.88	26.03	30.00
5510MHz	Pass	7.10	15.51	14.82	18.19	22.88	25.29	30.00
5550MHz	Pass	7.10	18.35	18.37	21.37	22.88	28.47	30.00
5670MHz	Pass	7.10	15.77	15.28	18.54	22.88	25.64	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	18.53	18.49	21.52	22.88	28.62	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	7.46	7.71	10.60	28.90	17.70	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10		16.16	16.16	22.88	23.26	30.00
5530MHz	Pass	7.10		15.80	15.80	22.88	22.90	30.00
5610MHz	Pass	7.10		16.86	16.86	22.88	23.96	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10		18.53	18.53	22.88	25.63	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10		3.29	3.29	28.90	10.39	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	15.27	15.46	18.38	22.88	25.48	30.00
5530MHz	Pass	7.10	14.93	14.49	17.73	22.88	24.83	30.00
5610MHz	Pass	7.10	16.26	15.93	19.11	22.88	26.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	18.66	18.59	21.64	22.88	28.74	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	3.88	3.29	6.61	28.90	13.71	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10		20.03	20.03	22.88	27.13	30.00
5300MHz	Pass	7.10		20.07	20.07	22.88	27.17	30.00
5320MHz	Pass	7.10		16.85	16.85	22.88	23.95	30.00
5500MHz	Pass	7.10		16.76	16.76	22.88	23.86	30.00
5580MHz	Pass	7.10		20.08	20.08	22.88	27.18	30.00
5700MHz	Pass	7.10		15.36	15.36	22.88	22.46	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10		18.25	18.25	22.88	25.35	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10		12.51	12.51	28.90	19.61	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	16.33	16.55	19.45	22.88	26.55	30.00
5300MHz	Pass	7.10	16.47	16.24	19.37	22.88	26.47	30.00
5320MHz	Pass	7.10	16.92	16.24	19.60	22.88	26.70	30.00
5500MHz	Pass	7.10	16.99	16.35	19.69	22.88	26.79	30.00
5580MHz	Pass	7.10	16.85	16.71	19.79	22.88	26.89	30.00
5700MHz	Pass	7.10	15.48	15.38	18.44	22.88	25.54	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	16.11	15.91	19.02	21.82	26.12	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	10.71	10.28	13.51	28.90	20.61	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10		18.30	18.30	22.88	25.40	30.00
5310MHz	Pass	7.10		16.41	16.41	22.88	23.51	30.00
5510MHz	Pass	7.10		16.38	16.38	22.88	23.48	30.00
5550MHz	Pass	7.10		18.94	18.94	22.88	26.04	30.00
5670MHz	Pass	7.10		16.40	16.40	22.88	23.50	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10		18.87	18.87	22.88	25.97	30.00



Average Power_Group 3

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz	Pass	7.10		10.73	10.73	28.90	17.83	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	18.84	19.45	22.17	22.88	29.27	30.00
5310MHz	Pass	7.10	16.19	15.97	19.09	22.88	26.19	30.00
5510MHz	Pass	7.10	15.69	14.88	18.31	22.88	25.41	30.00
5550MHz	Pass	7.10	18.48	18.53	21.52	22.88	28.62	30.00
5670MHz	Pass	7.10	15.87	15.41	18.66	22.88	25.76	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.10	19.15	22.14	22.88	29.24	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.86	9.20	12.04	28.90	19.14	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10		16.53	16.53	22.88	23.63	30.00
5530MHz	Pass	7.10		16.11	16.11	22.88	23.21	30.00
5610MHz	Pass	7.10		17.15	17.15	22.88	24.25	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10		18.73	18.73	22.88	25.83	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10		4.41	4.41	28.90	11.51	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	15.42	15.75	18.60	22.88	25.70	30.00
5530MHz	Pass	7.10	15.20	14.68	17.96	22.88	25.06	30.00
5610MHz	Pass	7.10	16.59	16.27	19.44	22.88	26.54	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	18.83	18.80	21.83	22.88	28.93	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	4.89	4.36	7.64	28.90	14.74	36.00

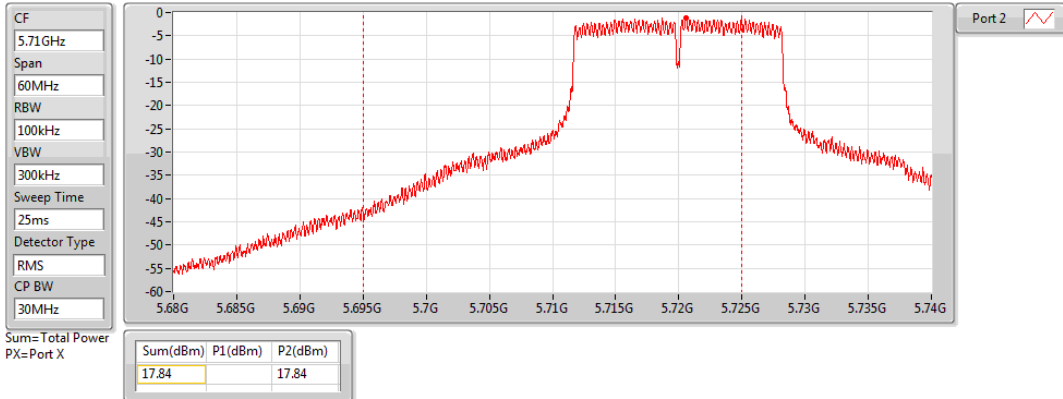
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

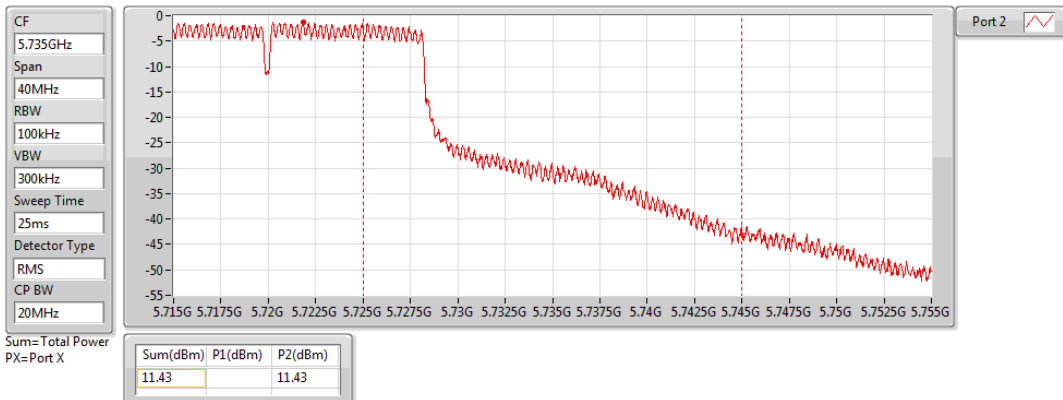


802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

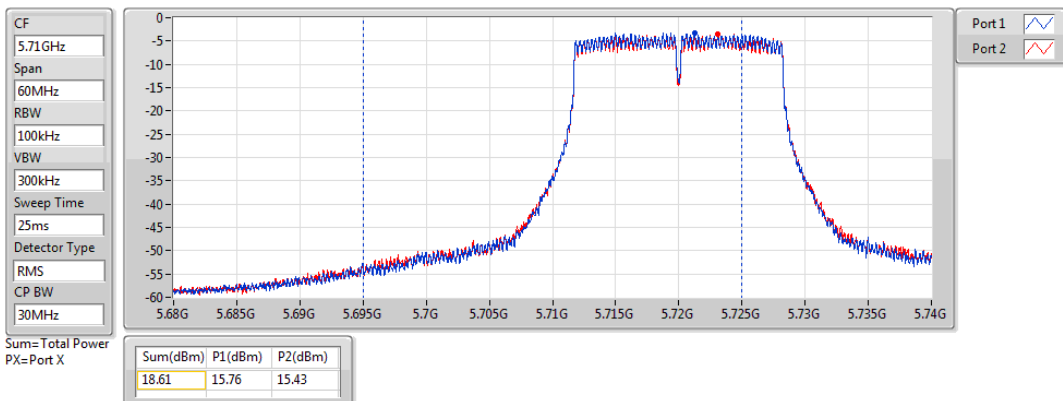


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

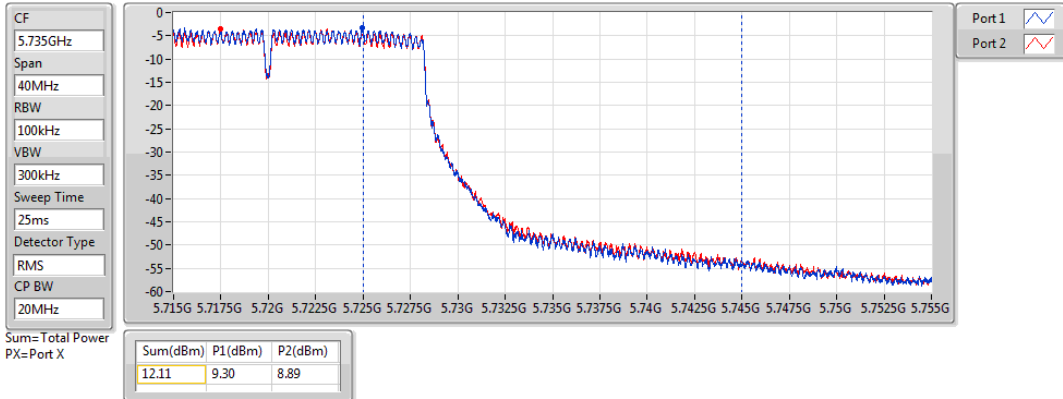


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

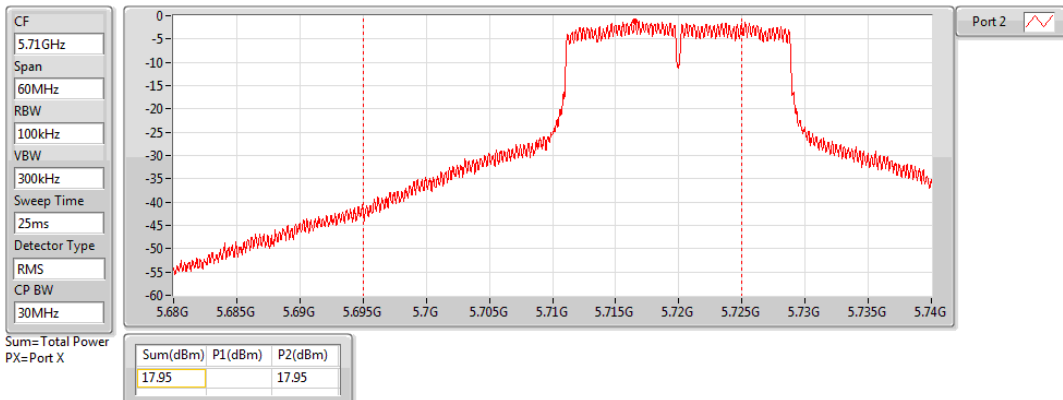


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

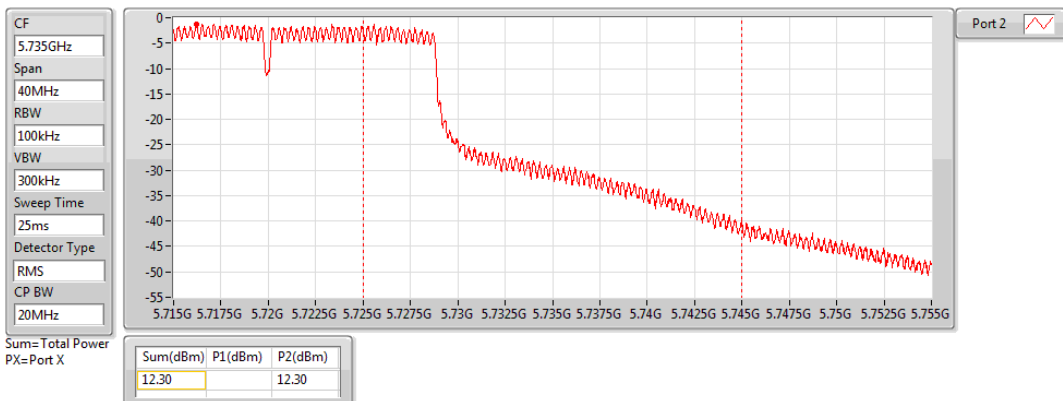


802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019



802.11ac VHT20_Nss1,(MCS0)_2TX

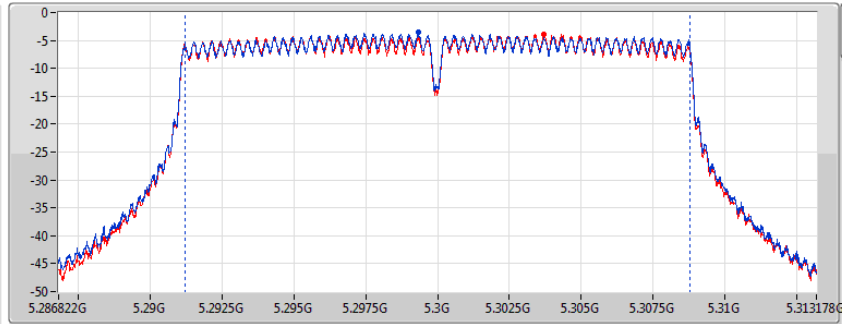
AV Power

5300MHz

05/12/2019

CF
5.3GHz
Span
26.3565MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
17.571MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
19.34	16.44	16.21

802.11ac VHT20_Nss1,(MCS0)_2TX

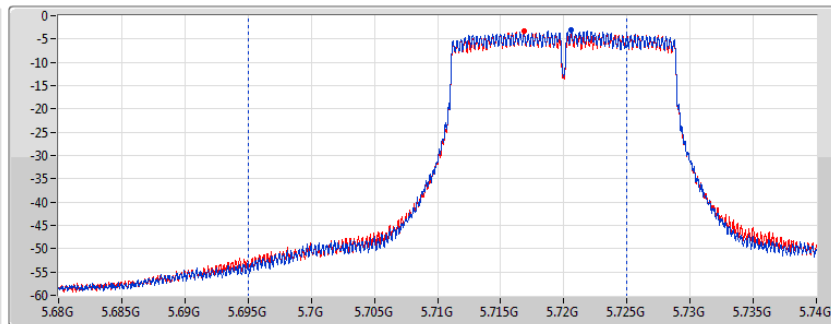
AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
18.84	15.98	15.68

802.11ac VHT20_Nss1,(MCS0)_2TX

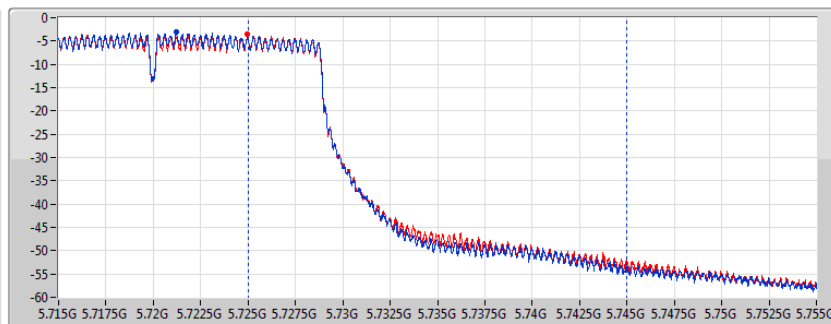
AV Power

5720MHz Straddle 5.725-5.85GHz

04/12/2019

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

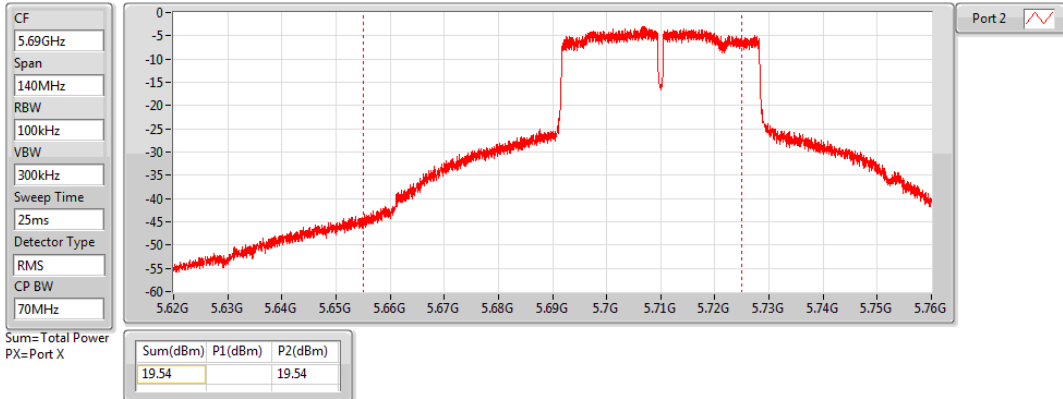
Sum(dBm)	P1(dBm)	P2(dBm)
12.91	9.90	9.90

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

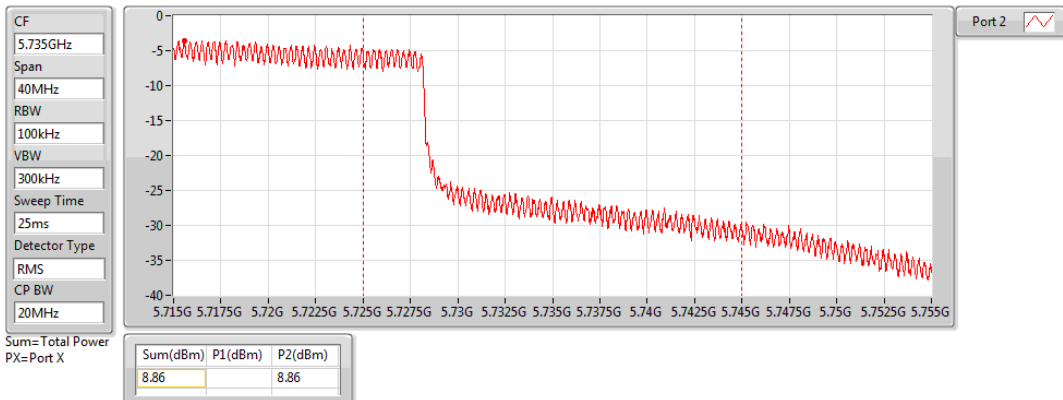


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

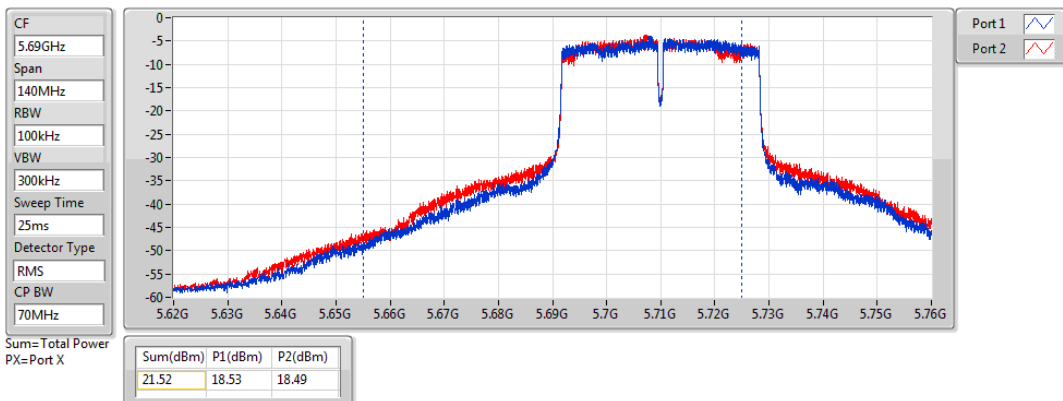


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

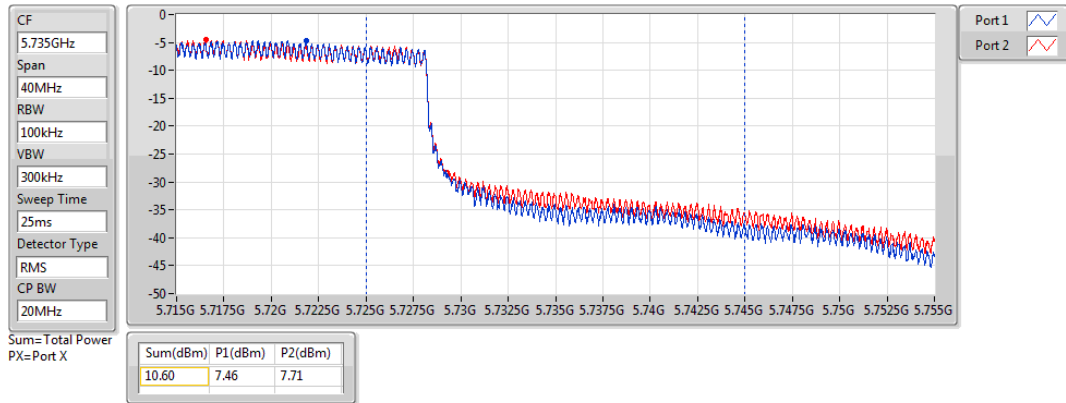


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

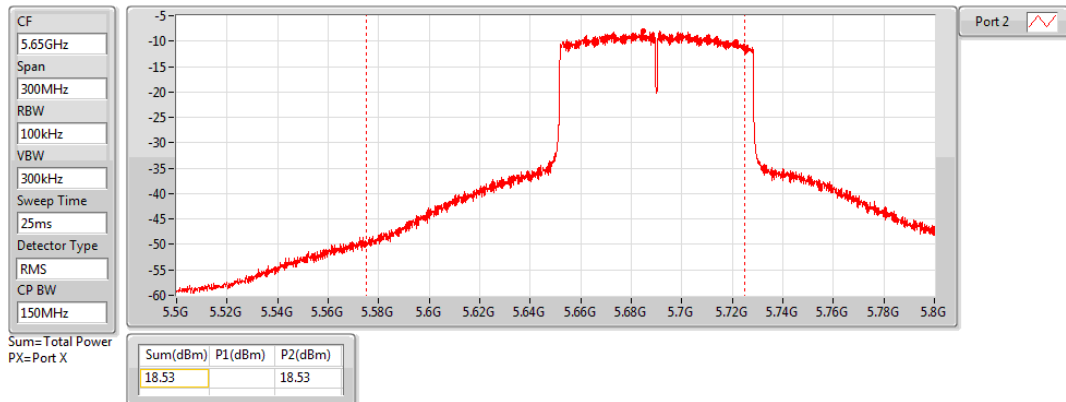


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

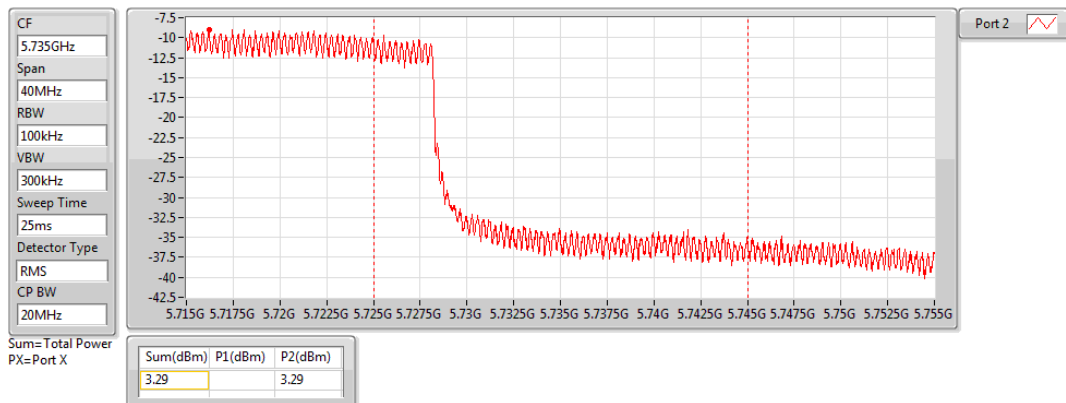


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

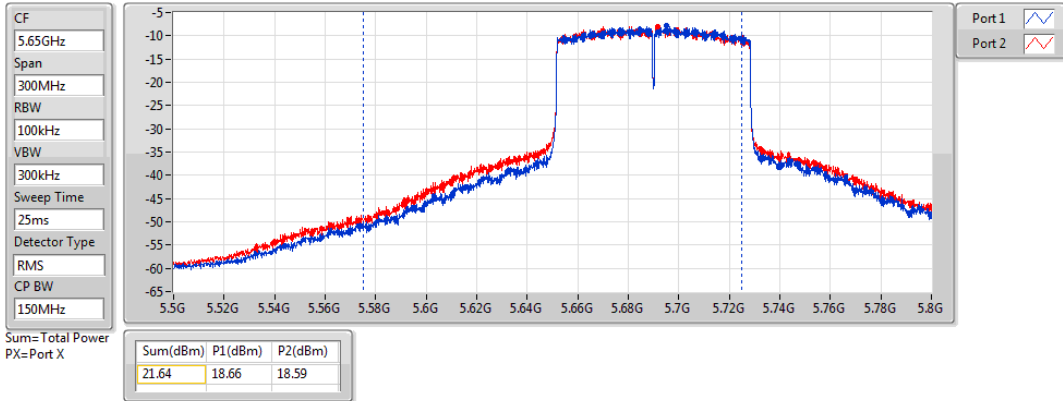


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

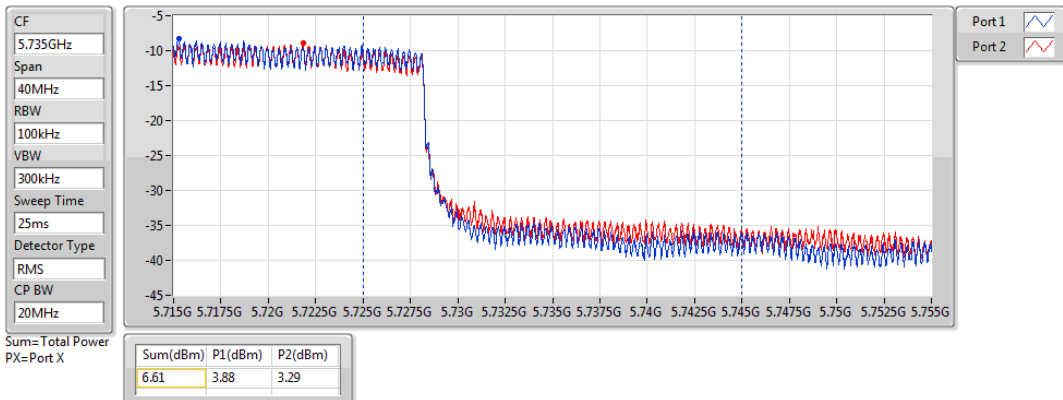


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

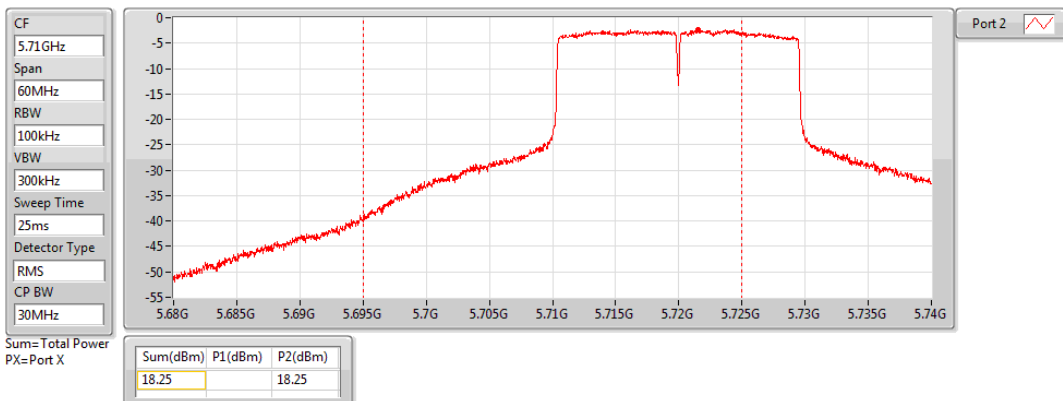


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

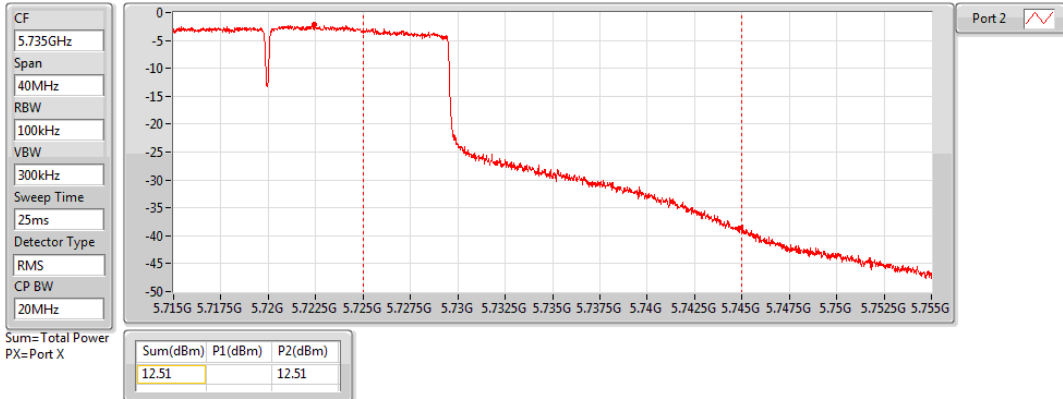


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

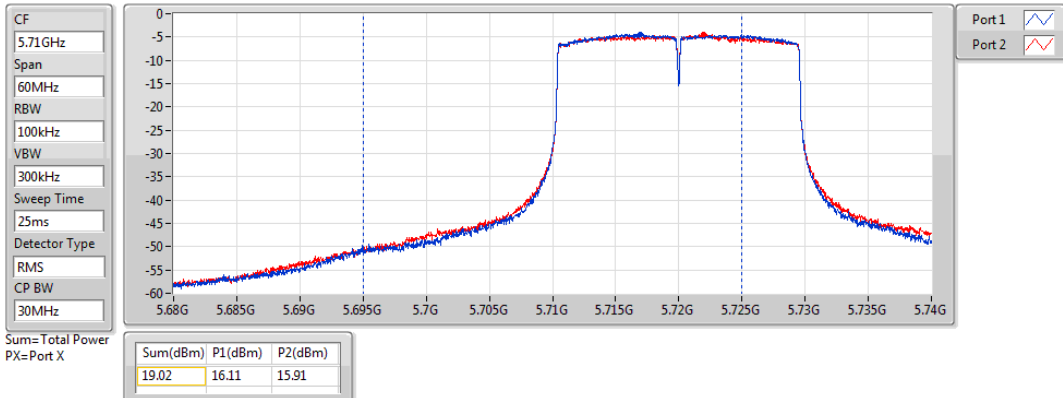


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

04/12/2019

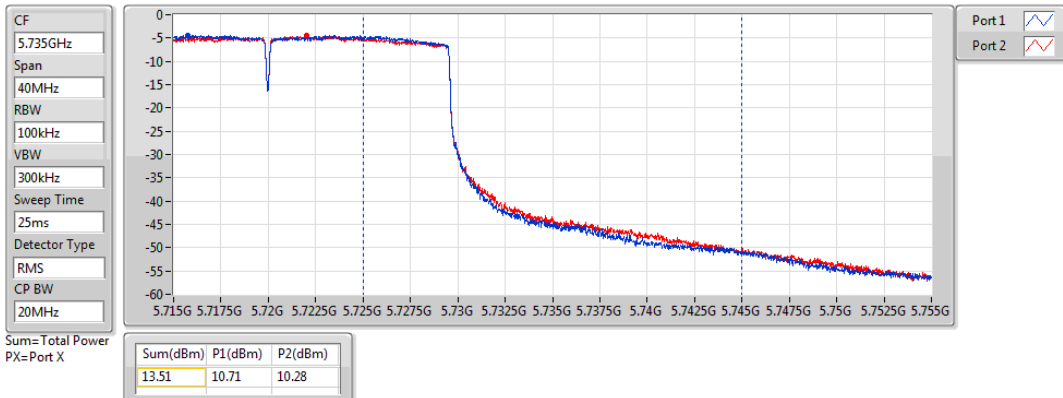


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

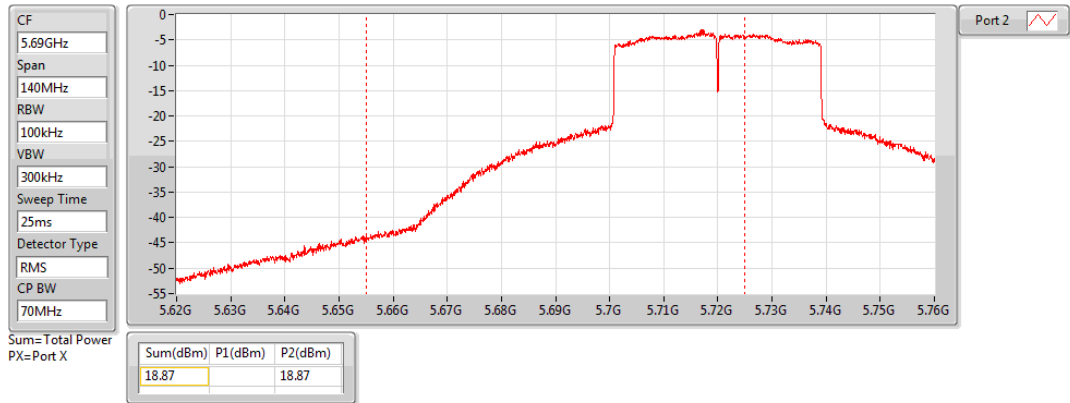
04/12/2019



802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

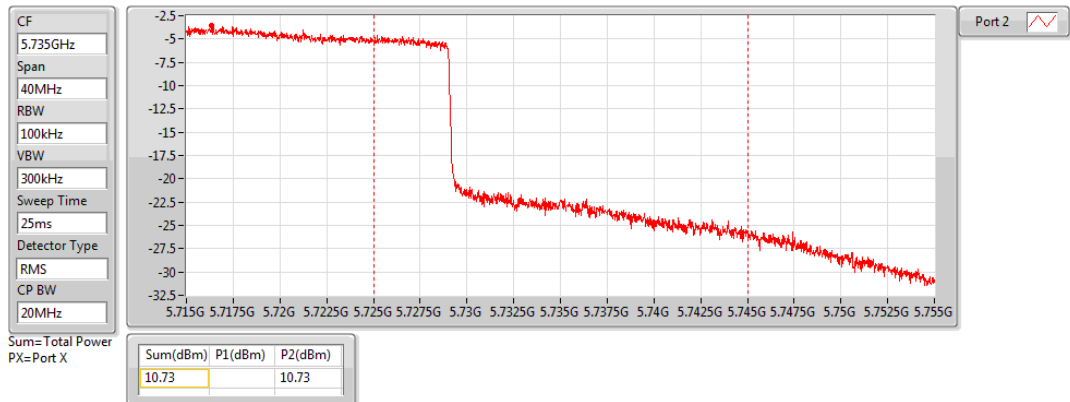
5710MHz Straddle 5.47-5.725GHz



802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

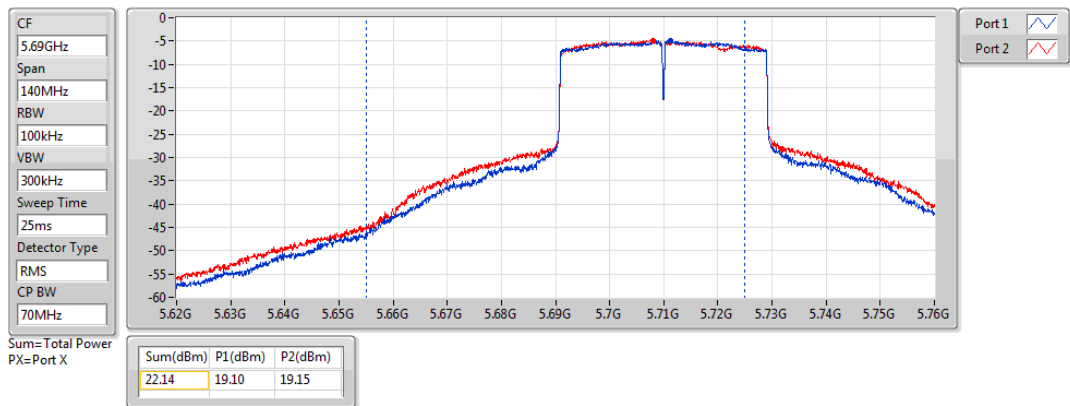
5710MHz Straddle 5.725-5.85GHz



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

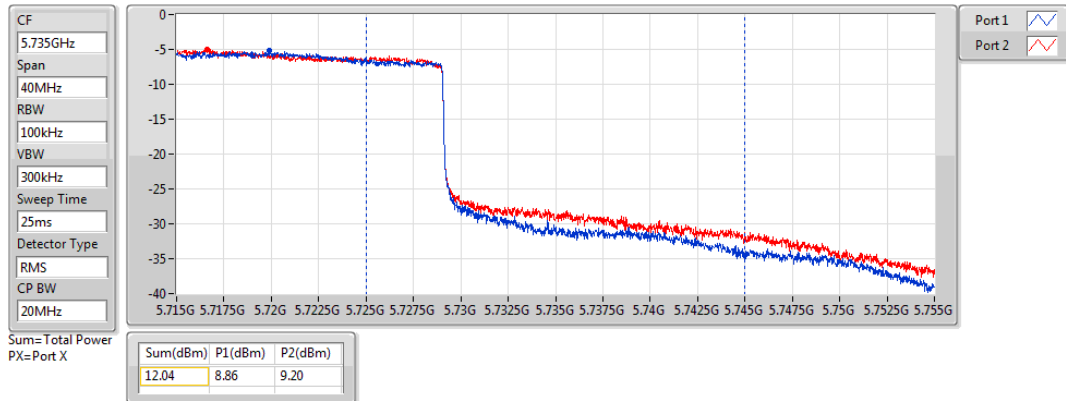


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

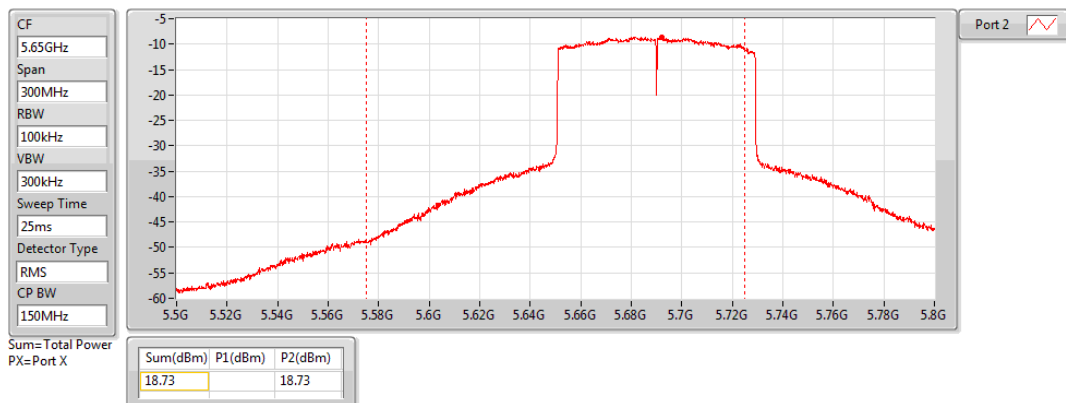


802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

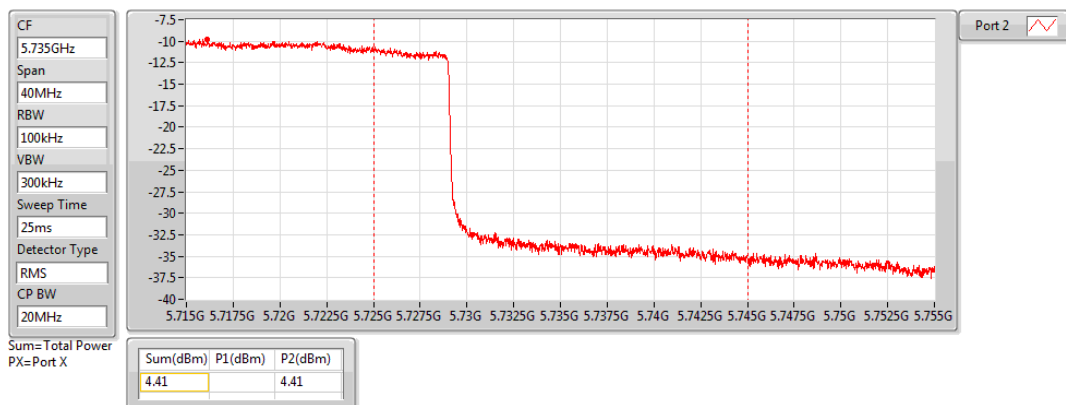


802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

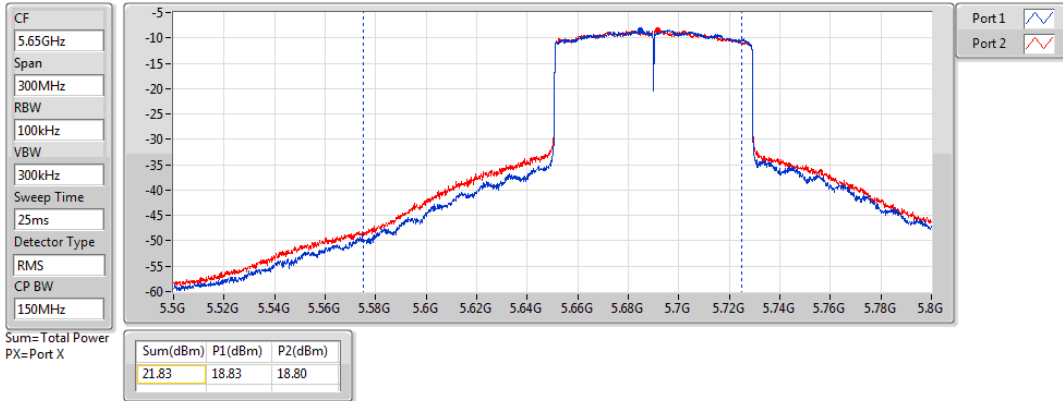


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

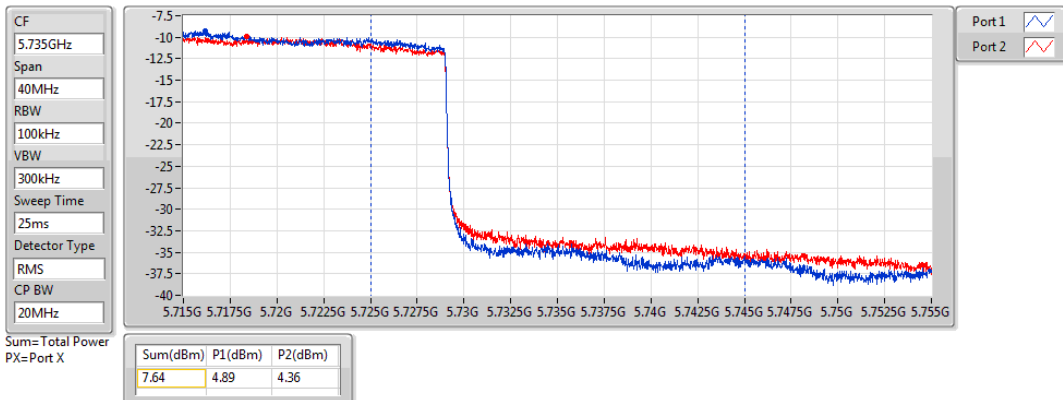


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	17.97	0.06266	29.27	0.84528
802.11a_Nss1,(6Mbps)_2TX	15.22	0.03327	26.52	0.44875
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	17.82	0.06053	29.12	0.81658
802.11ac VHT20_Nss1,(MCS0)_2TX	15.36	0.03436	26.66	0.46345
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	17.90	0.06166	29.20	0.83176
802.11ac VHT40_Nss1,(MCS0)_2TX	17.62	0.05781	28.92	0.77983
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	13.95	0.02483	25.25	0.33497
802.11ac VHT80_Nss1,(MCS0)_2TX	16.84	0.04831	28.14	0.65163
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	18.02	0.06339	29.32	0.85507
802.11ax HEW20_Nss1,(MCS0)_2TX	15.63	0.03656	26.93	0.49317
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	17.97	0.06266	29.27	0.84528
802.11ax HEW40_Nss1,(MCS0)_2TX	17.82	0.06053	29.12	0.81658
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	14.12	0.02582	25.42	0.34834
802.11ax HEW80_Nss1,(MCS0)_2TX	17.14	0.05176	28.44	0.69823
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	17.64	0.05808	28.94	0.78343
802.11a_Nss1,(6Mbps)_2TX	15.00	0.03162	26.30	0.42658
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	17.67	0.05848	28.97	0.78886
802.11ac VHT20_Nss1,(MCS0)_2TX	15.22	0.03327	26.52	0.44875
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	17.82	0.06053	29.12	0.81658
802.11ac VHT40_Nss1,(MCS0)_2TX	18.01	0.06324	29.31	0.85310
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	17.86	0.06109	29.16	0.82414
802.11ac VHT80_Nss1,(MCS0)_2TX	17.93	0.06209	29.23	0.83753
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	18.15	0.06531	29.45	0.88105
802.11ax HEW20_Nss1,(MCS0)_2TX	15.46	0.03516	26.76	0.47424
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	17.87	0.06124	29.17	0.82604
802.11ax HEW40_Nss1,(MCS0)_2TX	18.06	0.06397	29.36	0.86298
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	18.06	0.06397	29.36	0.86298
802.11ax HEW80_Nss1,(MCS0)_2TX	18.11	0.06471	29.41	0.87297
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	10.33	0.01079	21.63	0.14555
802.11a_Nss1,(6Mbps)_2TX	7.87	0.00612	19.17	0.08260
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	11.03	0.01268	22.33	0.17100
802.11ac VHT20_Nss1,(MCS0)_2TX	8.52	0.00711	19.82	0.09594
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	6.77	0.00475	18.07	0.06412
802.11ac VHT40_Nss1,(MCS0)_2TX	7.03	0.00505	18.33	0.06808
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	2.62	0.00183	13.92	0.02466
802.11ac VHT80_Nss1,(MCS0)_2TX	2.57	0.00181	13.87	0.02438
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	11.56	0.01432	22.86	0.19320
802.11ax HEW20_Nss1,(MCS0)_2TX	9.04	0.00802	20.34	0.10814
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	7.60	0.00575	18.90	0.07762
802.11ax HEW40_Nss1,(MCS0)_2TX	7.87	0.00612	19.17	0.08260
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	3.78	0.00239	15.08	0.03221



Average Power_Group 4

Appendix B

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_2TX	3.65	0.00232	14.95	0.03126

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)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30		17.97	17.97	18.70	29.27	30.00
5300MHz_TnomVnom	Pass	11.30		17.64	17.64	18.70	28.94	30.00
5320MHz_TnomVnom	Pass	11.30		15.77	15.77	18.62	27.07	29.92
5500MHz_TnomVnom	Pass	11.30		16.75	16.75	18.66	28.05	29.96
5580MHz_TnomVnom	Pass	11.30		17.64	17.64	18.70	28.94	30.00
5700MHz_TnomVnom	Pass	11.30		15.30	15.30	18.61	26.60	29.91
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		16.82	16.82	17.57	28.12	28.87
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		10.33	10.33	24.70	21.63	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30	11.79	12.38	15.11	18.56	26.41	29.86
5300MHz_TnomVnom	Pass	11.30	12.04	11.88	14.97	18.58	26.27	29.88
5320MHz_TnomVnom	Pass	11.30	12.51	11.89	15.22	18.57	26.52	29.87
5500MHz_TnomVnom	Pass	11.30	12.11	11.52	14.84	18.57	26.14	29.87
5580MHz_TnomVnom	Pass	11.30	11.90	11.48	14.71	18.58	26.01	29.88
5700MHz_TnomVnom	Pass	11.30	12.18	11.80	15.00	18.55	26.30	29.85
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	11.50	11.14	14.33	17.40	25.63	28.70
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	5.05	4.67	7.87	24.70	19.17	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30		17.82	17.82	18.70	29.12	30.00
5300MHz_TnomVnom	Pass	11.30		17.40	17.40	18.70	28.70	30.00
5320MHz_TnomVnom	Pass	11.30		15.51	15.51	18.70	26.81	30.00
5500MHz_TnomVnom	Pass	11.30		16.02	16.02	18.70	27.32	30.00
5580MHz_TnomVnom	Pass	11.30		17.67	17.67	18.70	28.97	30.00
5700MHz_TnomVnom	Pass	11.30		13.99	13.99	18.70	25.29	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		17.02	17.02	17.70	28.32	29.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		11.03	11.03	24.70	22.33	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30	12.07	12.62	15.36	18.70	26.66	30.00
5300MHz_TnomVnom	Pass	11.30	12.31	12.09	15.21	18.70	26.51	30.00
5320MHz_TnomVnom	Pass	11.30	12.23	11.72	14.99	18.70	26.29	30.00
5500MHz_TnomVnom	Pass	11.30	12.37	11.70	15.06	18.70	26.36	30.00
5580MHz_TnomVnom	Pass	11.30	12.09	11.77	14.94	18.70	26.24	30.00
5700MHz_TnomVnom	Pass	11.30	12.38	12.04	15.22	18.70	26.52	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	11.64	11.27	14.47	17.52	25.77	28.82
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	5.55	5.47	8.52	24.70	19.82	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.30		17.90	17.90	18.70	29.20	30.00
5310MHz_TnomVnom	Pass	11.30		14.72	14.72	18.70	26.02	30.00
5510MHz_TnomVnom	Pass	11.30		14.89	14.89	18.70	26.19	30.00
5550MHz_TnomVnom	Pass	11.30		17.58	17.58	18.70	28.88	30.00
5670MHz_TnomVnom	Pass	11.30		15.30	15.30	18.70	26.60	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		17.82	17.82	18.70	29.12	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		6.77	6.77	24.70	18.07	36.00



Average Power_Group 4

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.30	14.33	14.87	17.62	18.70	28.92	30.00
5310MHz_TnomVnom	Pass	11.30	14.74	14.48	17.62	18.70	28.92	30.00
5510MHz_TnomVnom	Pass	11.30	15.05	14.44	17.77	18.70	29.07	30.00
5550MHz_TnomVnom	Pass	11.30	14.93	14.66	17.81	18.70	29.11	30.00
5670MHz_TnomVnom	Pass	11.30	14.99	14.41	17.72	18.70	29.02	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	15.07	14.93	18.01	18.70	29.31	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	3.99	4.05	7.03	24.70	18.33	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.30		13.95	13.95	18.70	25.25	30.00
5530MHz_TnomVnom	Pass	11.30		13.94	13.94	18.70	25.24	30.00
5610MHz_TnomVnom	Pass	11.30		15.63	15.63	18.70	26.93	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		17.86	17.86	18.70	29.16	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		2.62	2.62	24.70	13.92	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.30	13.77	13.88	16.84	18.70	28.14	30.00
5530MHz_TnomVnom	Pass	11.30	12.97	12.57	15.78	18.70	27.08	30.00
5610MHz_TnomVnom	Pass	11.30	15.12	14.71	17.93	18.70	29.23	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	14.87	14.52	17.71	18.70	29.01	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	0.03	-0.96	2.57	24.70	13.87	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30		18.02	18.02	18.70	29.32	30.00
5300MHz_TnomVnom	Pass	11.30		17.71	17.71	18.70	29.01	30.00
5320MHz_TnomVnom	Pass	11.30		15.58	15.58	18.70	26.88	30.00
5500MHz_TnomVnom	Pass	11.30		16.15	16.15	18.70	27.45	30.00
5580MHz_TnomVnom	Pass	11.30		18.15	18.15	18.70	29.45	30.00
5700MHz_TnomVnom	Pass	11.30		14.18	14.18	18.70	25.48	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		17.11	17.11	17.66	28.41	28.96
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		11.56	11.56	24.70	22.86	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.30	12.33	12.90	15.63	18.70	26.93	30.00
5300MHz_TnomVnom	Pass	11.30	12.63	12.26	15.46	18.70	26.76	30.00
5320MHz_TnomVnom	Pass	11.30	12.46	12.14	15.31	18.70	26.61	30.00
5500MHz_TnomVnom	Pass	11.30	12.61	12.03	15.34	18.70	26.64	30.00
5580MHz_TnomVnom	Pass	11.30	12.35	12.05	15.21	18.70	26.51	30.00
5700MHz_TnomVnom	Pass	11.30	12.65	12.25	15.46	18.70	26.76	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	11.73	11.55	14.65	17.62	25.95	28.92
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	6.27	5.77	9.04	24.70	20.34	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.30		17.97	17.97	18.70	29.27	30.00
5310MHz_TnomVnom	Pass	11.30		14.88	14.88	18.70	26.18	30.00
5510MHz_TnomVnom	Pass	11.30		15.00	15.00	18.70	26.30	30.00
5550MHz_TnomVnom	Pass	11.30		17.65	17.65	18.70	28.95	30.00
5670MHz_TnomVnom	Pass	11.30		15.44	15.44	18.70	26.74	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		17.87	17.87	18.70	29.17	30.00



Average Power_Group 4

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		7.60	7.60	24.70	18.90	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.30	14.45	15.11	17.80	18.70	29.10	30.00
5310MHz_TnomVnom	Pass	11.30	14.91	14.71	17.82	18.70	29.12	30.00
5510MHz_TnomVnom	Pass	11.30	15.26	14.51	17.91	18.70	29.21	30.00
5550MHz_TnomVnom	Pass	11.30	15.00	14.76	17.89	18.70	29.19	30.00
5670MHz_TnomVnom	Pass	11.30	15.16	14.48	17.84	18.70	29.14	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	15.15	14.95	18.06	18.70	29.36	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	4.85	4.87	7.87	24.70	19.17	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.30		14.12	14.12	18.70	25.42	30.00
5530MHz_TnomVnom	Pass	11.30		14.09	14.09	18.70	25.39	30.00
5610MHz_TnomVnom	Pass	11.30		15.94	15.94	18.70	27.24	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30		18.06	18.06	18.70	29.36	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30		3.78	3.78	24.70	15.08	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.30	14.13	14.13	17.14	18.70	28.44	30.00
5530MHz_TnomVnom	Pass	11.30	13.19	12.75	15.99	18.70	27.29	30.00
5610MHz_TnomVnom	Pass	11.30	15.30	14.90	18.11	18.70	29.41	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.30	15.08	14.70	17.90	18.70	29.20	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.30	1.09	0.14	3.65	24.70	14.95	36.00

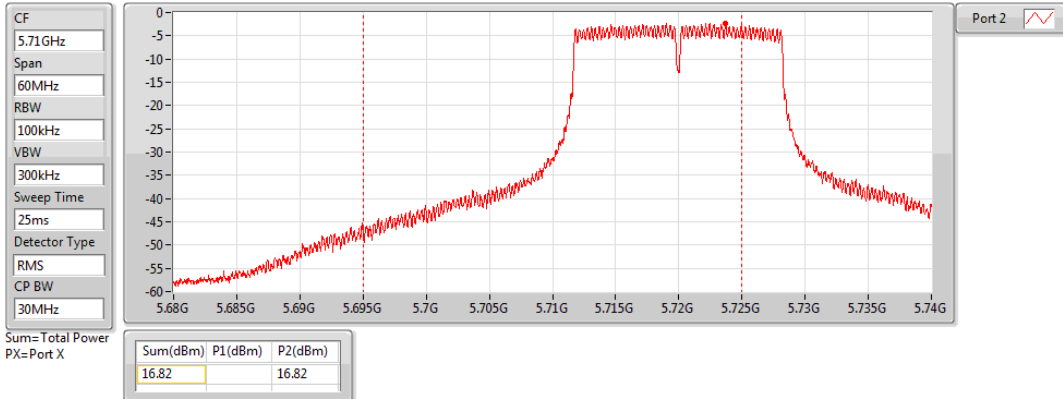
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

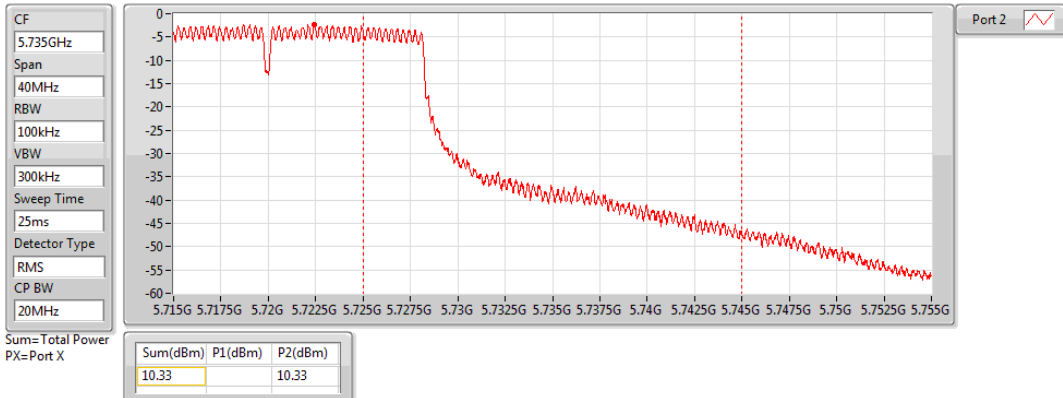


802.11a_Nss1,(6Mbps)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

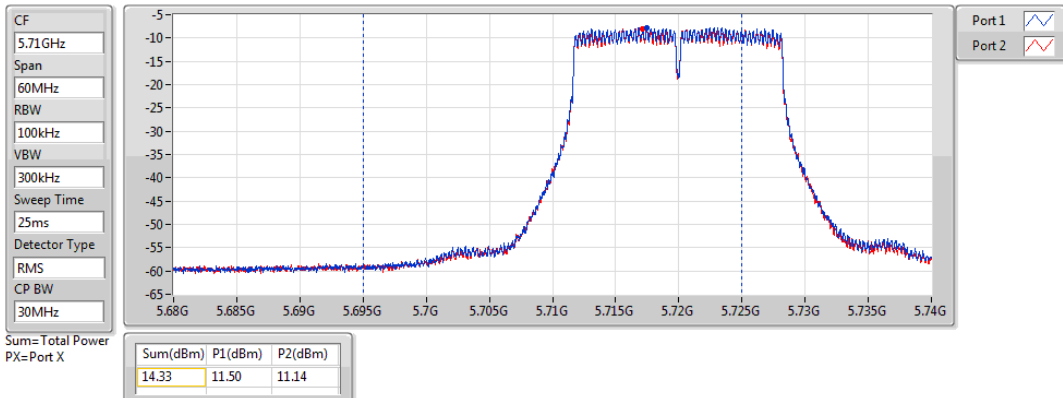


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019



802.11a_Nss1,(6Mbps)_2TX

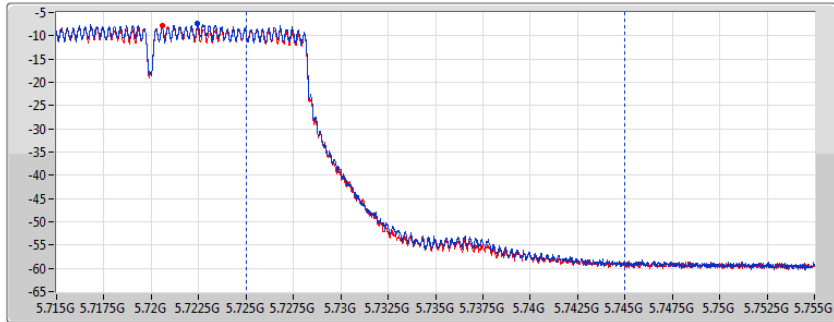
AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

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)
7.87	5.05	4.67

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

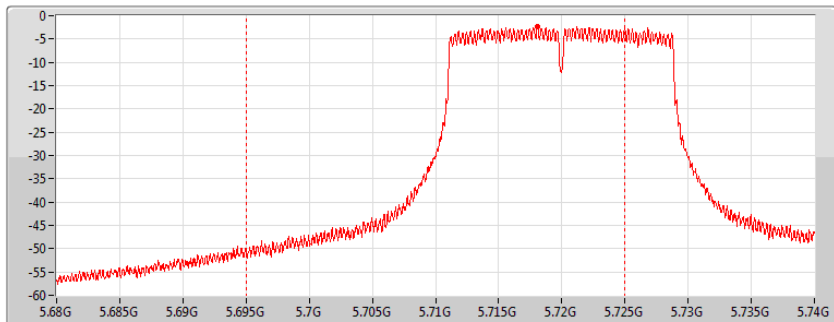
AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
17.02		17.02

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)

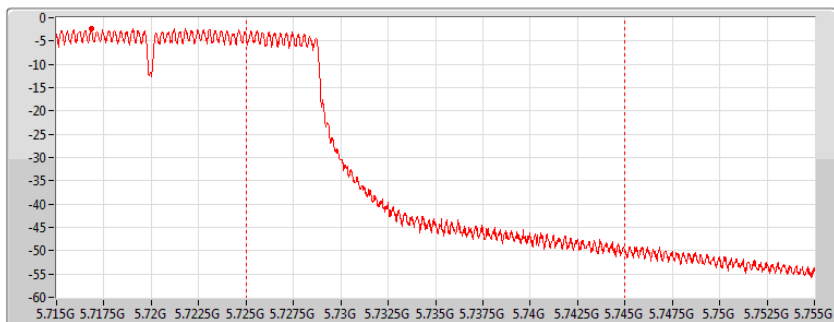
AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

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 2

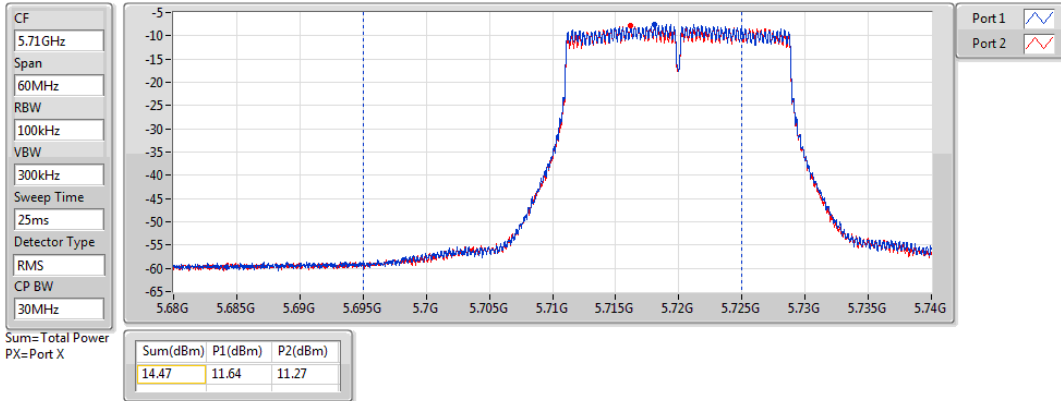
Sum(dBm)	P1(dBm)	P2(dBm)
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802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

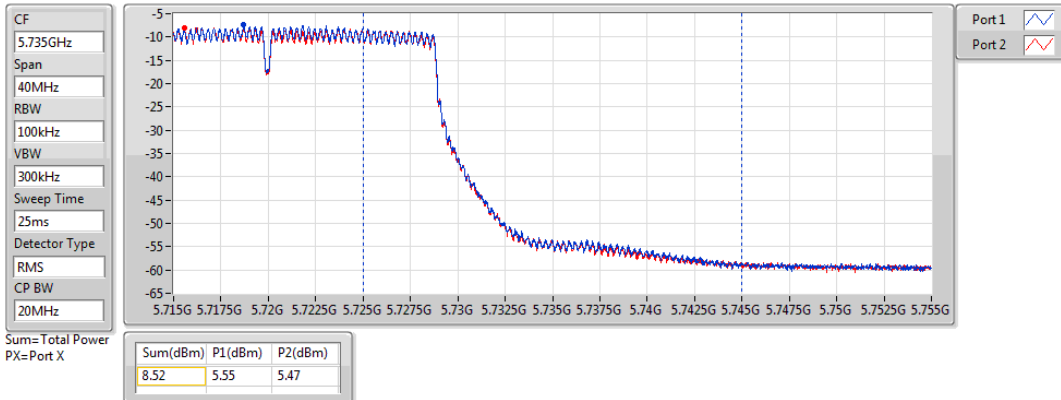


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

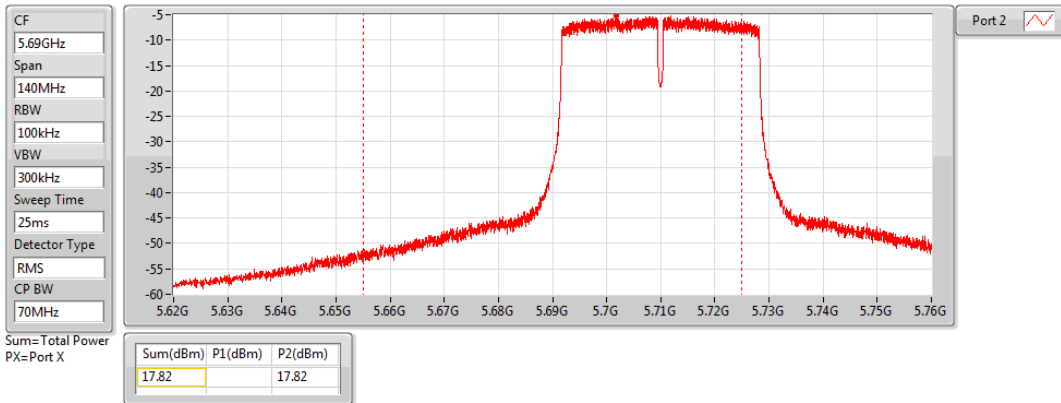


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

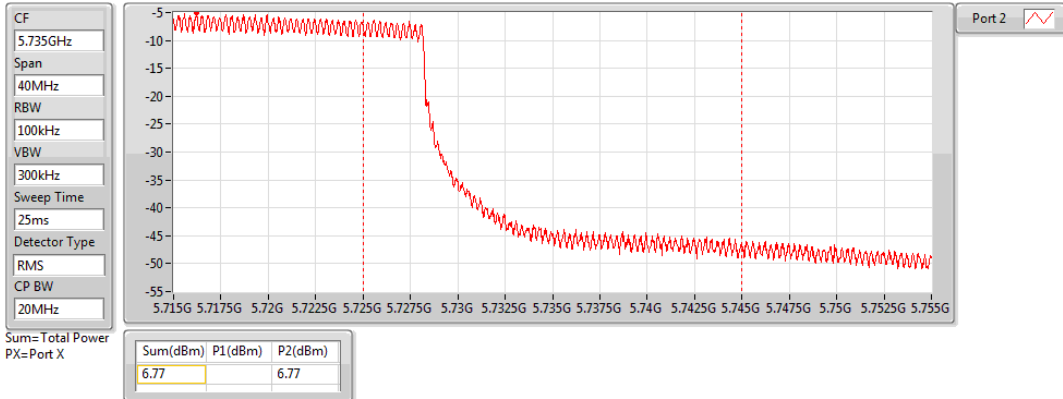


802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

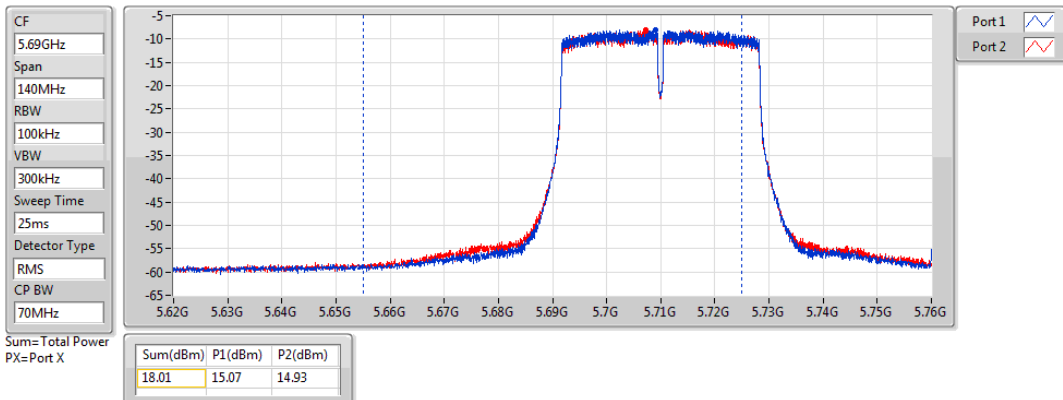


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

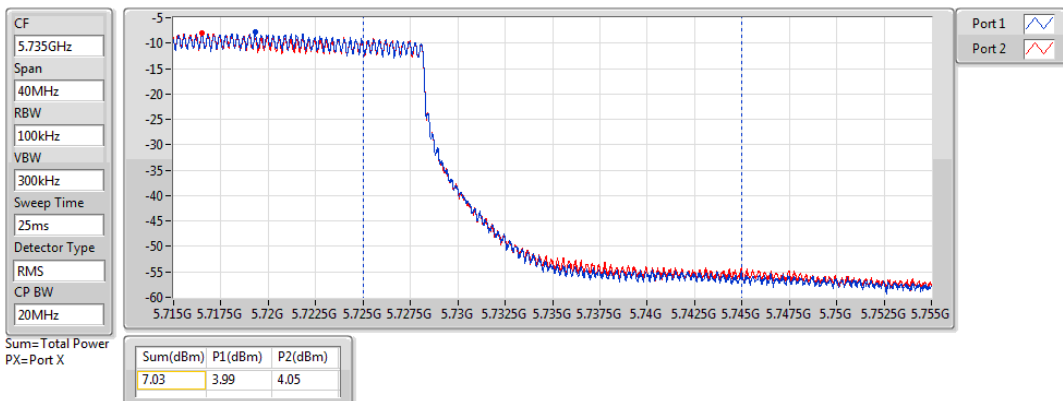


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

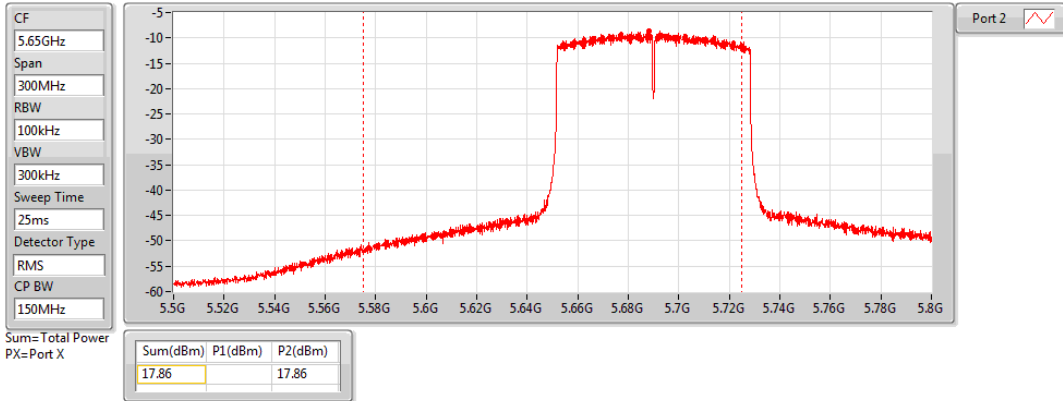


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

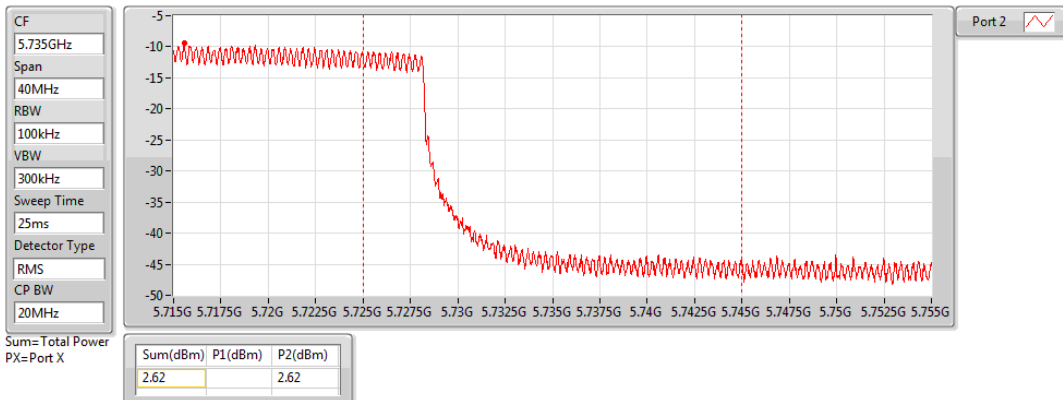


802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

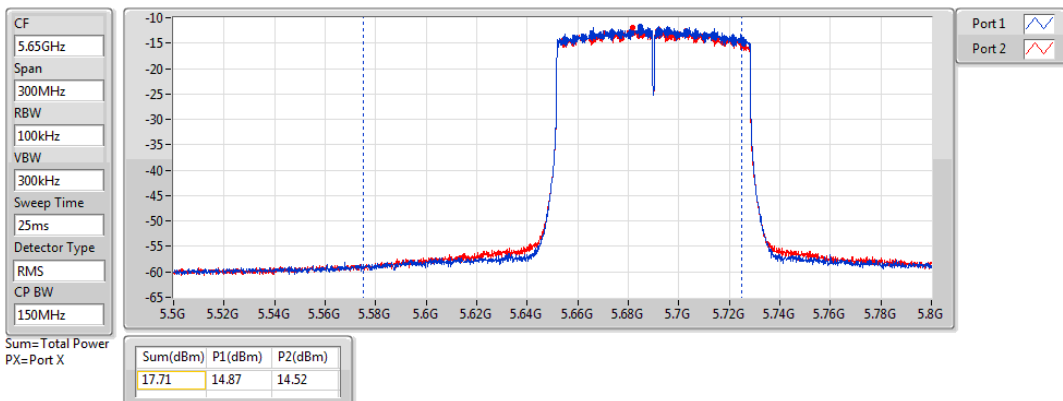


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

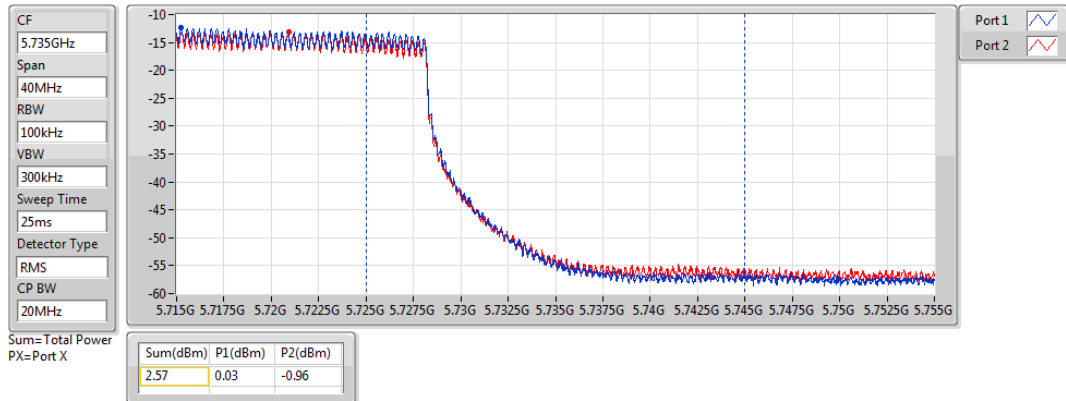


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019

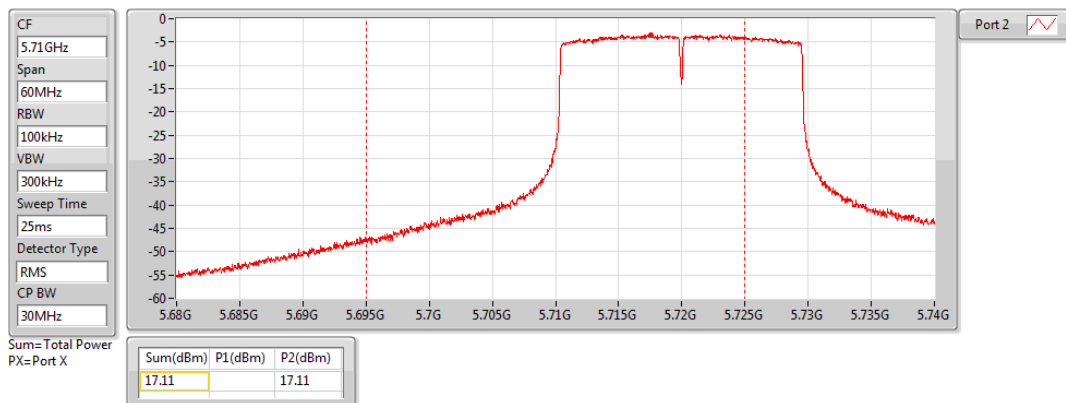


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

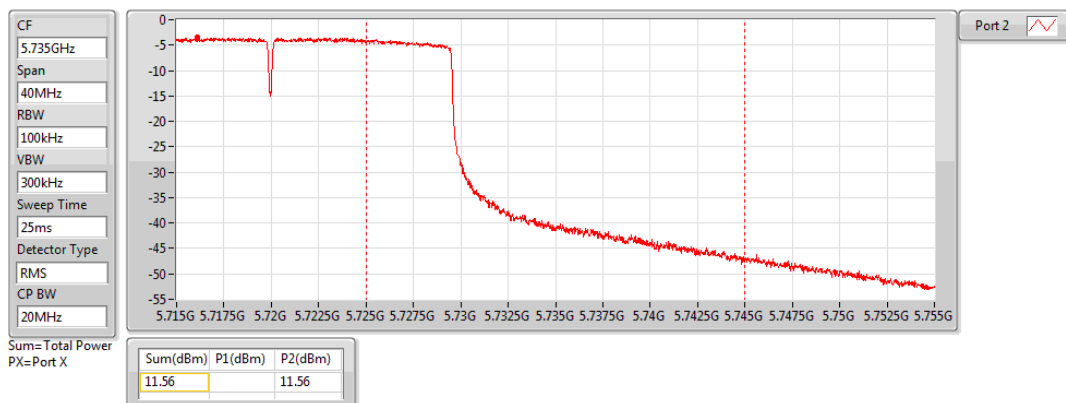


802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

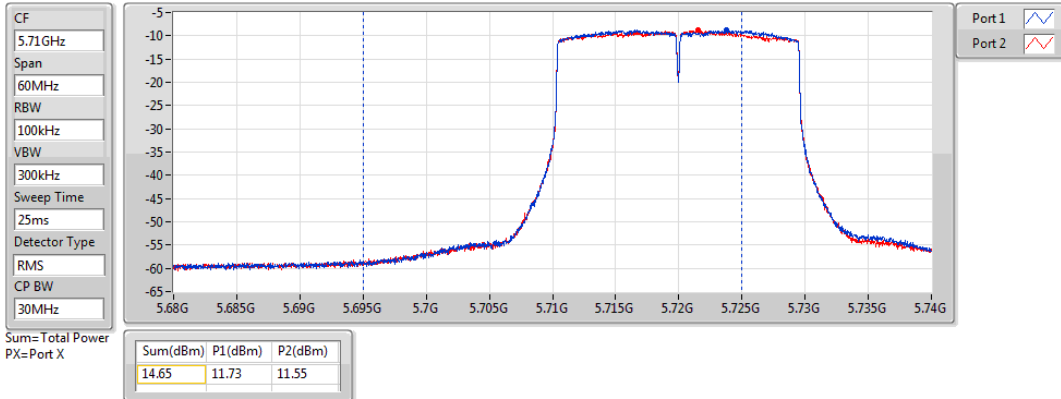


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

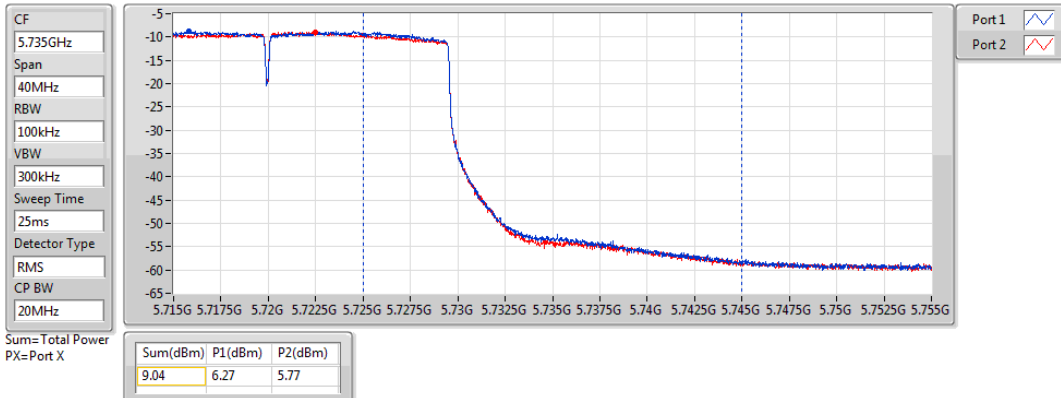


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

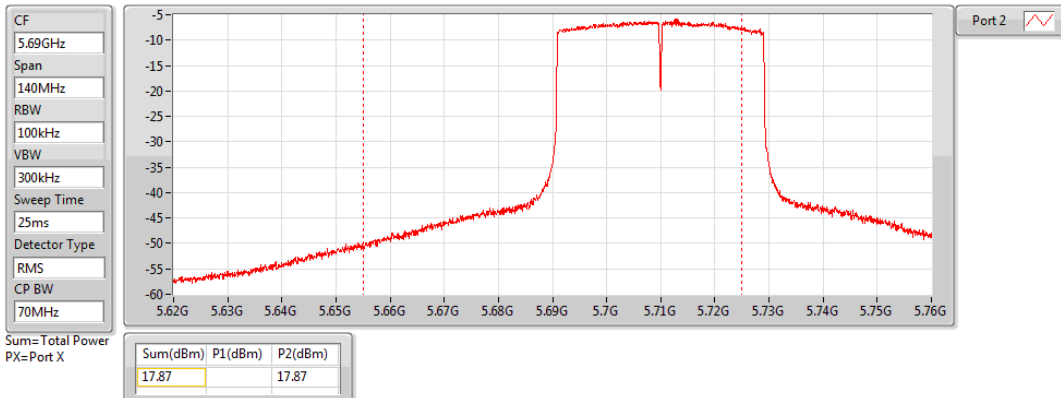


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

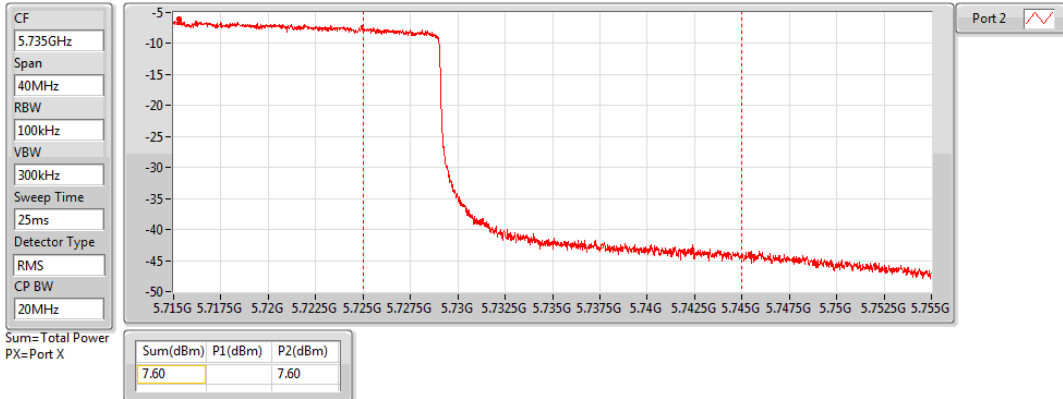


802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

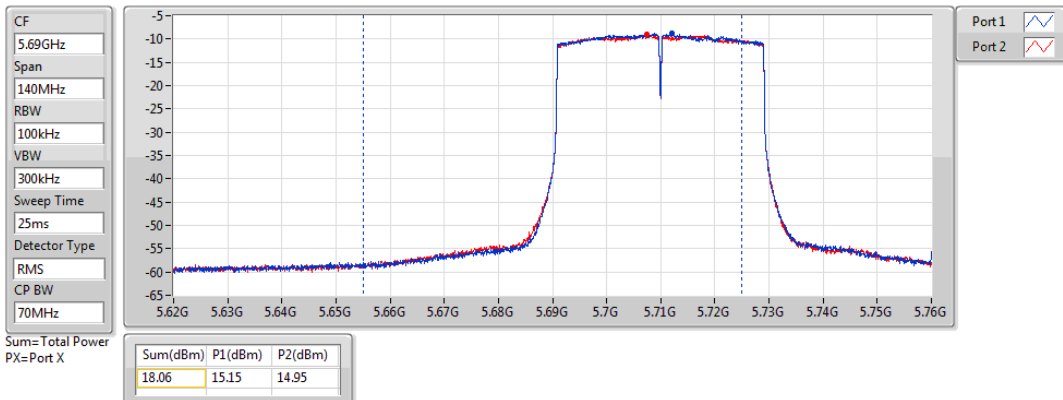


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

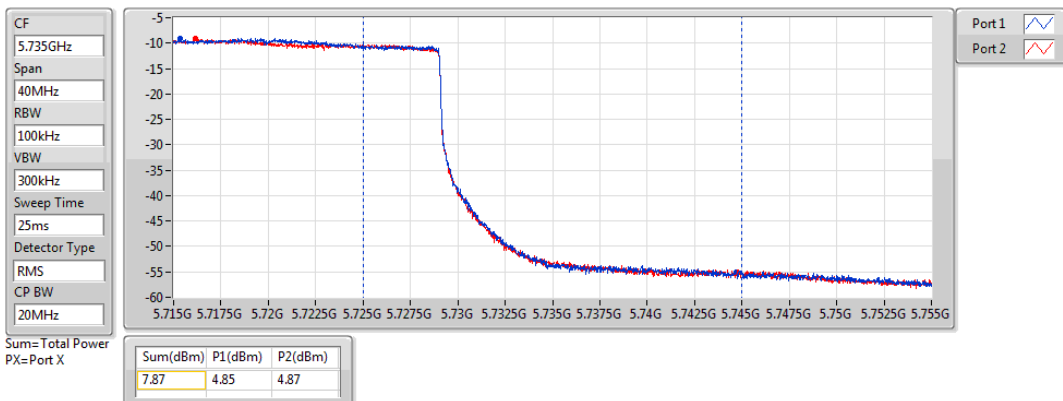


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

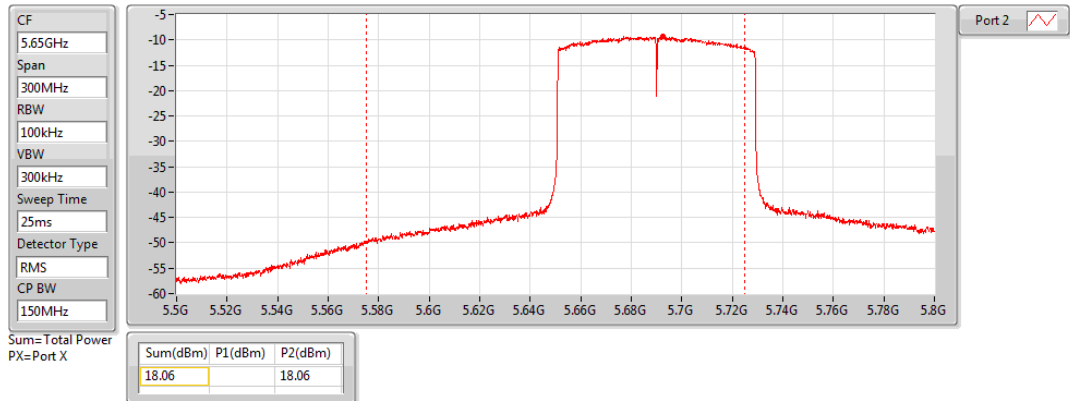
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802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

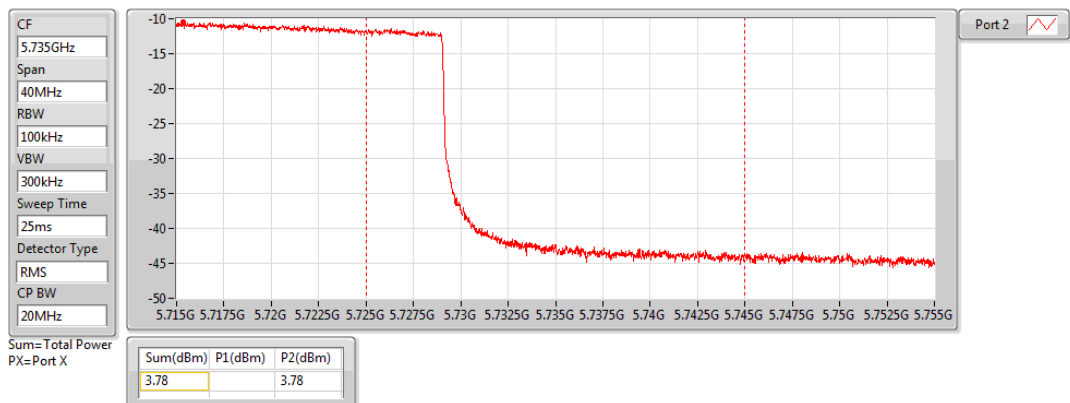
5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)

AV Power

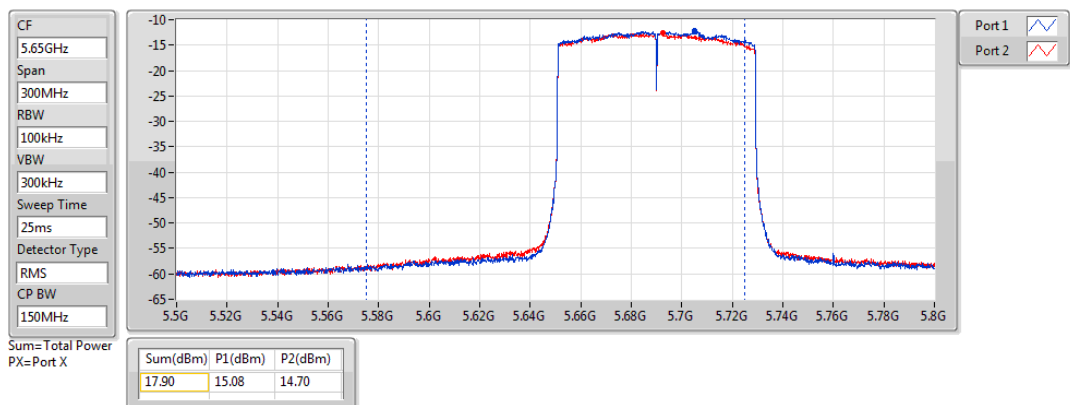
5690MHz Straddle 5.725-5.85GHz



802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

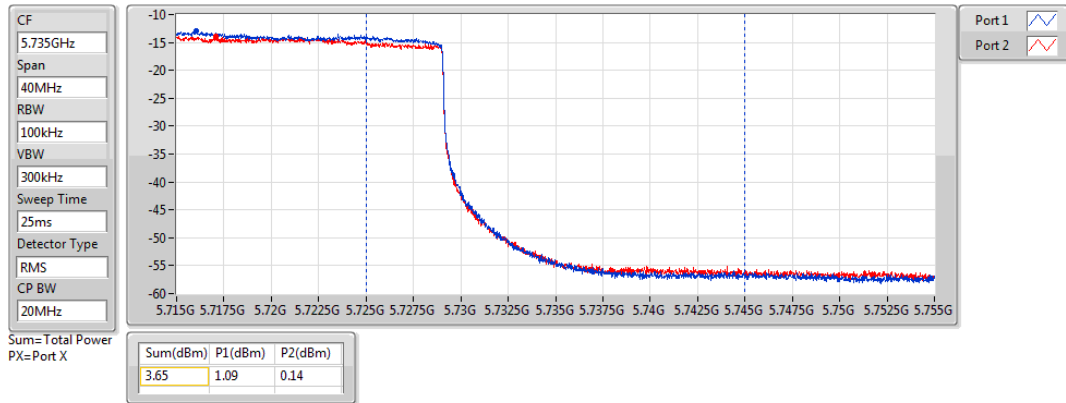


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.24	0.04207	22.14	0.16368
802.11ac VHT20_Nss1,(MCS0)_1TX	16.09	0.04064	21.99	0.15812
802.11ac VHT40_Nss1,(MCS0)_1TX	15.81	0.03811	21.71	0.14825
802.11ac VHT80_Nss1,(MCS0)_1TX	11.00	0.01259	16.90	0.04898
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.57	0.02864	20.47	0.11143
802.11ac VHT20_Nss1,(MCS0)_1TX	14.46	0.02793	20.36	0.10864
802.11ac VHT40_Nss1,(MCS0)_1TX	14.61	0.02891	20.51	0.11246
802.11ac VHT80_Nss1,(MCS0)_1TX	13.27	0.02123	19.17	0.08260
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	1.65	0.00146	7.55	0.00569
802.11ac VHT20_Nss1,(MCS0)_1TX	3.84	0.00242	9.74	0.00942
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.15	0.00097	5.75	0.00376
802.11ac VHT80_Nss1,(MCS0)_1TX	-2.76	0.00053	3.14	0.00206

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	5.90	16.24	16.24	23.98	22.14	30.00
5300MHz	Pass	5.90	16.10	16.10	23.98	22.00	30.00
5320MHz	Pass	5.90	16.15	16.15	23.98	22.05	30.00
5500MHz	Pass	5.90	14.57	14.57	23.98	20.47	30.00
5580MHz	Pass	5.90	13.30	13.30	23.98	19.20	30.00
5700MHz	Pass	5.90	10.51	10.51	23.98	16.41	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.90	8.23	8.23	23.36	14.13	29.36
5720MHz Straddle 5.725-5.85GHz	Pass	5.90	1.65	1.65	30.00	7.55	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	5.90	15.71	15.71	23.98	21.61	30.00
5300MHz	Pass	5.90	16.09	16.09	23.98	21.99	30.00
5320MHz	Pass	5.90	16.05	16.05	23.98	21.95	30.00
5500MHz	Pass	5.90	14.46	14.46	23.98	20.36	30.00
5580MHz	Pass	5.90	13.58	13.58	23.98	19.48	30.00
5700MHz	Pass	5.90	10.80	10.80	23.98	16.70	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.90	9.84	9.84	23.60	15.74	29.60
5720MHz Straddle 5.725-5.85GHz	Pass	5.90	3.84	3.84	30.00	9.74	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	5.90	15.81	15.81	23.98	21.71	30.00
5310MHz	Pass	5.90	13.52	13.52	23.98	19.42	30.00
5510MHz	Pass	5.90	12.33	12.33	23.98	18.23	30.00
5550MHz	Pass	5.90	14.61	14.61	23.98	20.51	30.00
5670MHz	Pass	5.90	12.08	12.08	23.98	17.98	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.90	10.90	10.90	23.98	16.80	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.90	-0.15	-0.15	30.00	5.75	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	5.90	11.00	11.00	23.98	16.90	30.00
5530MHz	Pass	5.90	10.59	10.59	23.98	16.49	30.00
5610MHz	Pass	5.90	13.27	13.27	23.98	19.17	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.90	12.06	12.06	23.98	17.96	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.90	-2.76	-2.76	30.00	3.14	36.00

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

802.11a_Nss1,(6Mbps)_1TX

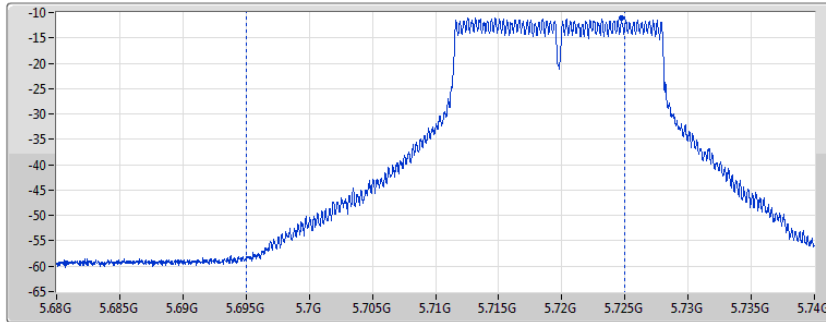
AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



Sum(dBm)	P1(dBm)
8.23	8.23

802.11a_Nss1,(6Mbps)_1TX

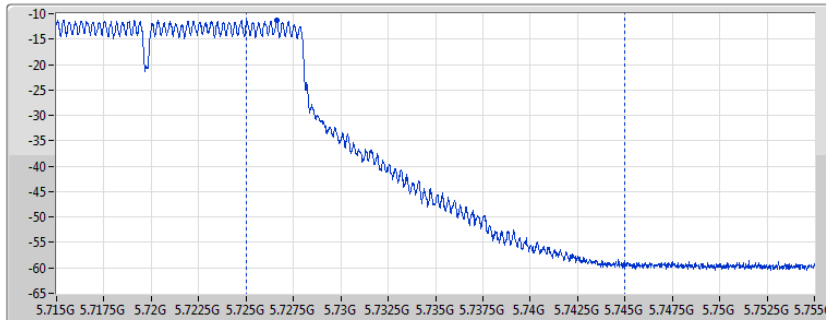
AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

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

Sum=Total Power
PX=Port X



Sum(dBm)	P1(dBm)
1.65	1.65

802.11ac VHT20_Nss1,(MCS0)_1TX

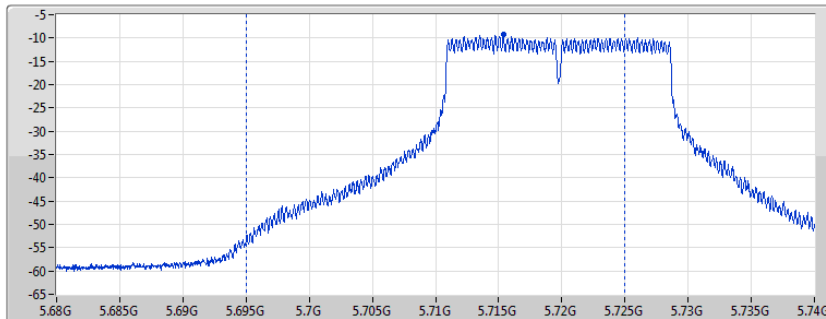
AV Power

5720MHz Straddle 5.47-5.725GHz

05/12/2019

CF
5.71GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
25ms
Detector Type
RMS
CP BW
30MHz

Sum=Total Power
PX=Port X



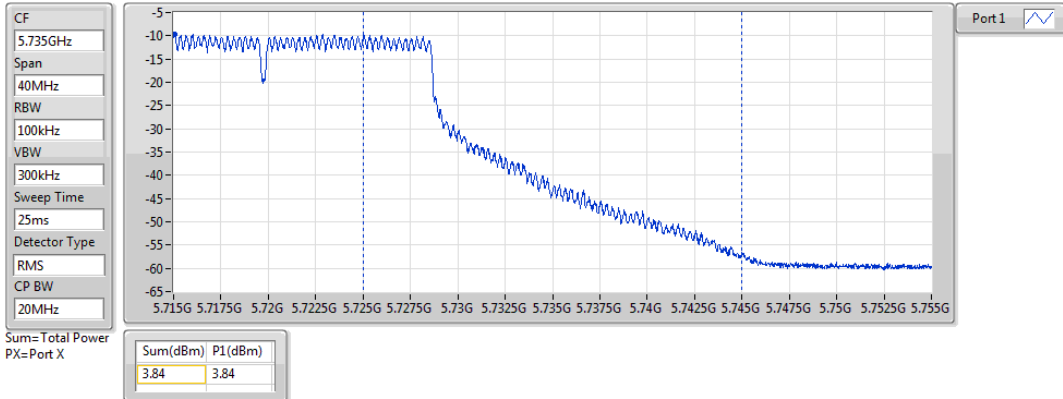
Sum(dBm)	P1(dBm)
9.84	9.84

802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

05/12/2019

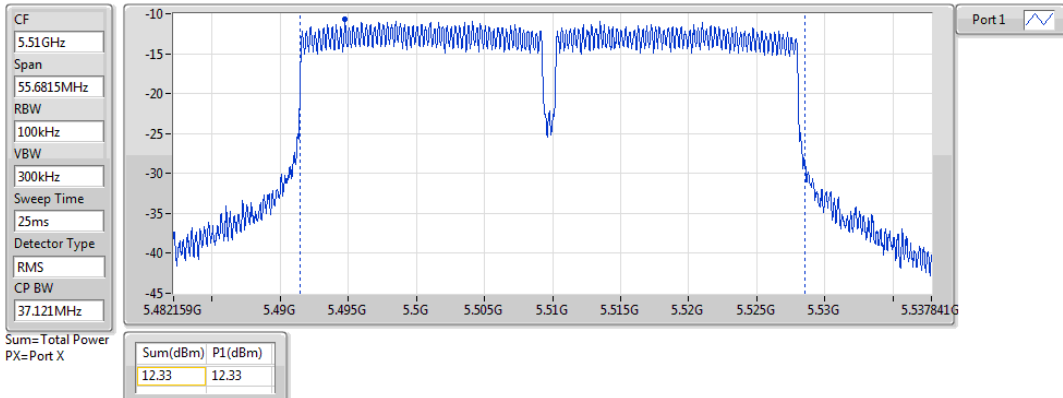


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5510MHz

05/12/2019

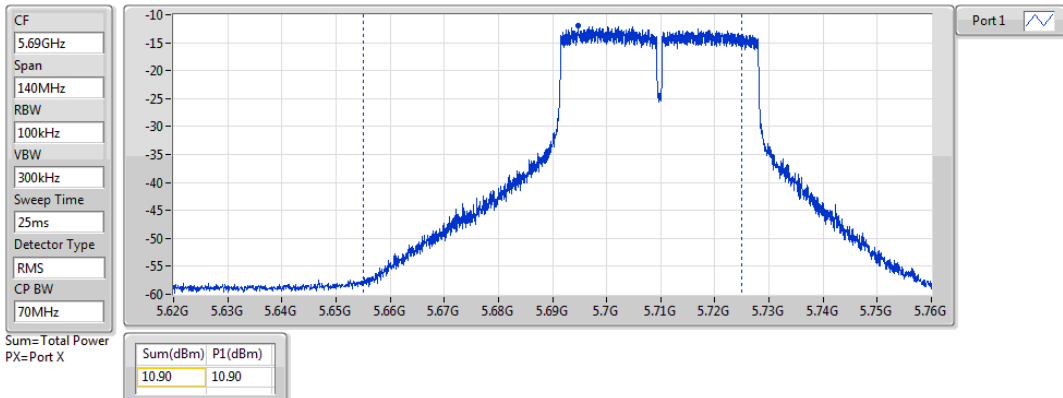


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz

05/12/2019

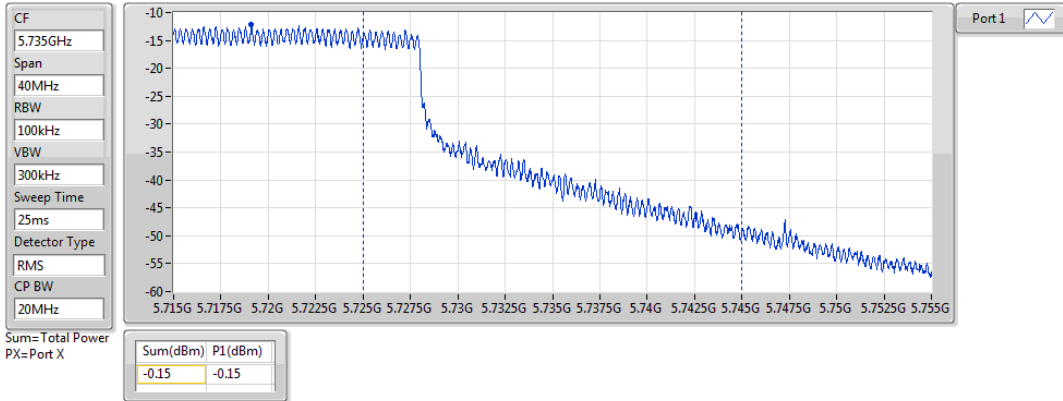


802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

05/12/2019

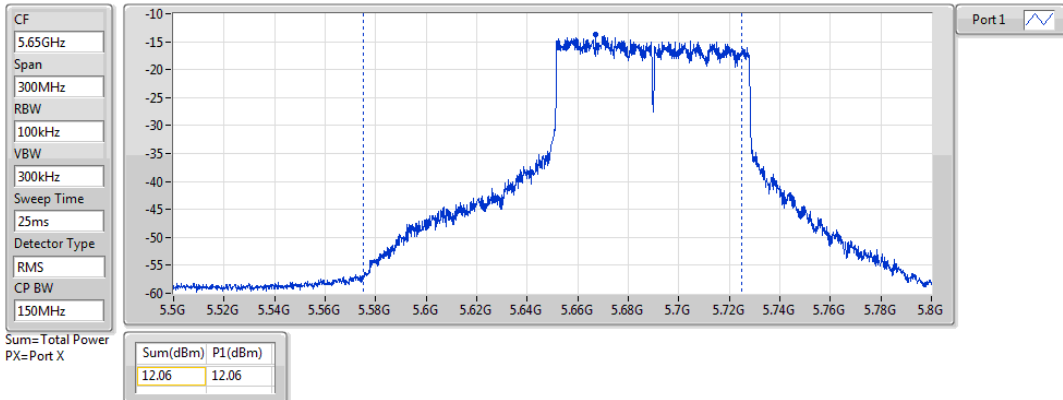


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz

05/12/2019

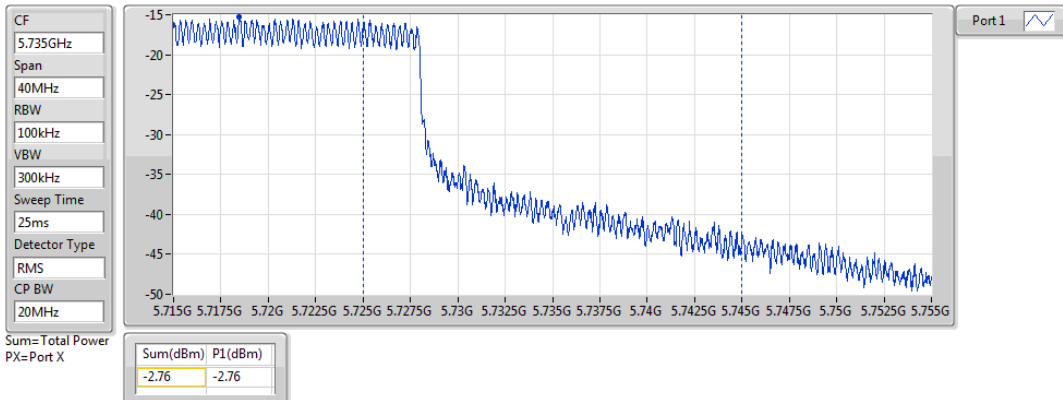


802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz

05/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	19.31	0.08531	29.32	0.85507
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	19.33	0.08570	29.34	0.85901
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	17.73	0.05929	27.74	0.59429
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.38	0.08670	29.39	0.86896
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.38	0.08670	29.39	0.86896
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.74	0.05943	27.75	0.59566
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	19.12	0.08166	29.13	0.81846
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	18.94	0.07834	28.95	0.78524
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.15	0.08222	29.16	0.82414
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.13	0.08185	29.14	0.82035
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.03	0.07998	29.04	0.80168
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.24	0.08395	29.25	0.84140
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.54	0.01426	21.55	0.14289
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.99	0.00500	17.00	0.05012
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.27	0.00212	13.28	0.02128
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	11.62	0.01452	21.63	0.14555
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.14	0.00518	17.15	0.05188
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.32	0.00215	13.33	0.02153

**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	10.01	15.79	16.51	19.18	19.99	29.19	30.00
5300MHz	Pass	10.01	16.17	16.42	19.31	19.99	29.32	30.00
5320MHz	Pass	10.01	16.15	16.41	19.29	19.99	29.30	30.00
5500MHz	Pass	10.01	15.81	15.72	18.78	19.99	28.79	30.00
5580MHz	Pass	10.01	16.15	16.06	19.12	19.99	29.13	30.00
5700MHz	Pass	10.01	15.05	14.01	17.57	19.99	27.58	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.01	14.82	14.26	17.56	18.80	27.57	28.81
5720MHz Straddle 5.725-5.85GHz	Pass	10.01	9.11	7.85	11.54	25.99	21.55	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.01	16.08	16.55	19.33	19.99	29.34	30.00
5310MHz	Pass	10.01	15.32	15.81	18.58	19.99	28.59	30.00
5510MHz	Pass	10.01	12.56	11.79	15.20	19.99	25.21	30.00
5550MHz	Pass	10.01	16.04	15.81	18.94	19.99	28.95	30.00
5670MHz	Pass	10.01	14.85	14.11	17.51	19.99	27.52	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.01	15.76	14.73	18.29	19.99	28.30	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.01	4.57	3.29	6.99	25.99	17.00	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.01	14.21	15.17	17.73	19.99	27.74	30.00
5530MHz	Pass	10.01	15.12	14.80	17.97	19.99	27.98	30.00
5610MHz	Pass	10.01	16.27	16.01	19.15	19.99	29.16	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.01	15.91	15.02	18.50	19.99	28.51	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.01	0.84	-0.41	3.27	25.99	13.28	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.01	15.83	16.58	19.23	19.99	29.24	30.00
5300MHz	Pass	10.01	16.21	16.52	19.38	19.99	29.39	30.00
5320MHz	Pass	10.01	16.45	16.29	19.38	19.99	29.39	30.00
5500MHz	Pass	10.01	16.09	15.49	18.81	19.99	28.82	30.00
5580MHz	Pass	10.01	16.50	15.70	19.13	19.99	29.14	30.00
5700MHz	Pass	10.01	15.29	13.99	17.70	19.99	27.71	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.01	15.06	14.13	17.63	18.79	27.64	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	10.01	9.13	8.01	11.62	25.99	21.63	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.01	16.22	16.51	19.38	19.99	29.39	30.00
5310MHz	Pass	10.01	15.36	15.86	18.63	19.99	28.64	30.00
5510MHz	Pass	10.01	12.41	12.00	15.22	19.99	25.23	30.00
5550MHz	Pass	10.01	16.33	15.68	19.03	19.99	29.04	30.00
5670MHz	Pass	10.01	14.79	14.29	17.56	19.99	27.57	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.01	15.85	14.76	18.35	19.99	28.36	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.01	4.78	3.36	7.14	25.99	17.15	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.01	13.83	15.48	17.74	19.99	27.75	30.00
5530MHz	Pass	10.01	15.12	14.81	17.98	19.99	27.99	30.00
5610MHz	Pass	10.01	16.31	16.15	19.24	19.99	29.25	30.00



Average Power_Group 1_Beamforming

Appendix B

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	10.01	15.94	15.07	18.54	19.99	28.55	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.01	1.08	-0.62	3.32	25.99	13.33	36.00

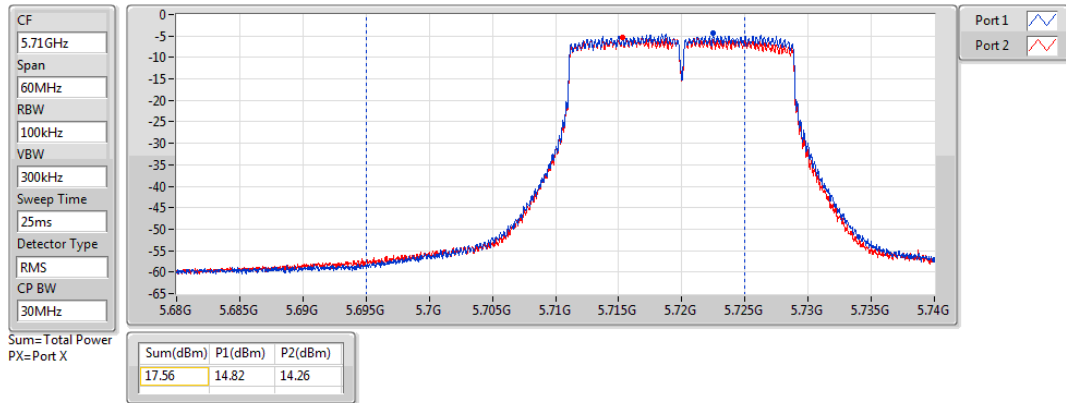
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

09/12/2019

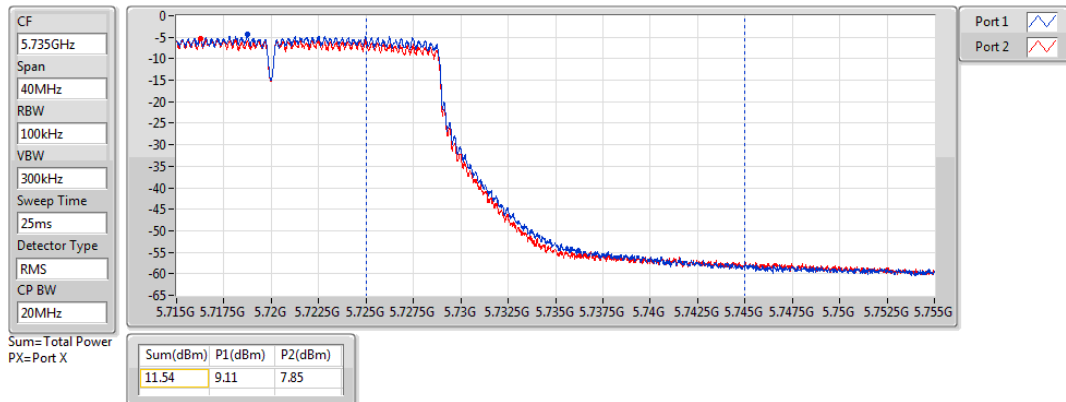


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

09/12/2019

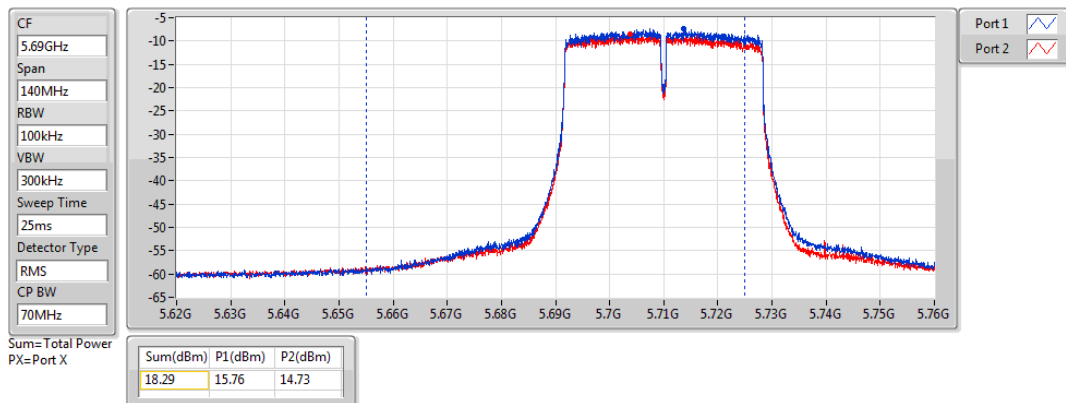


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

09/12/2019

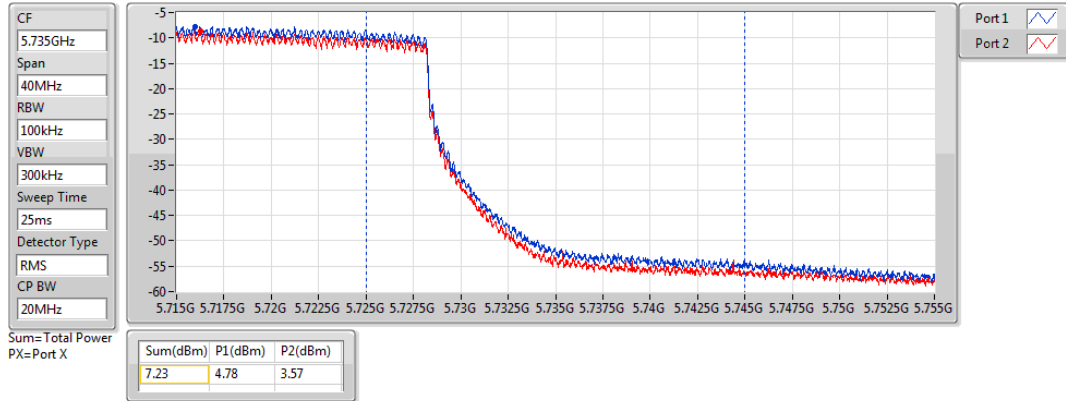


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

09/12/2019

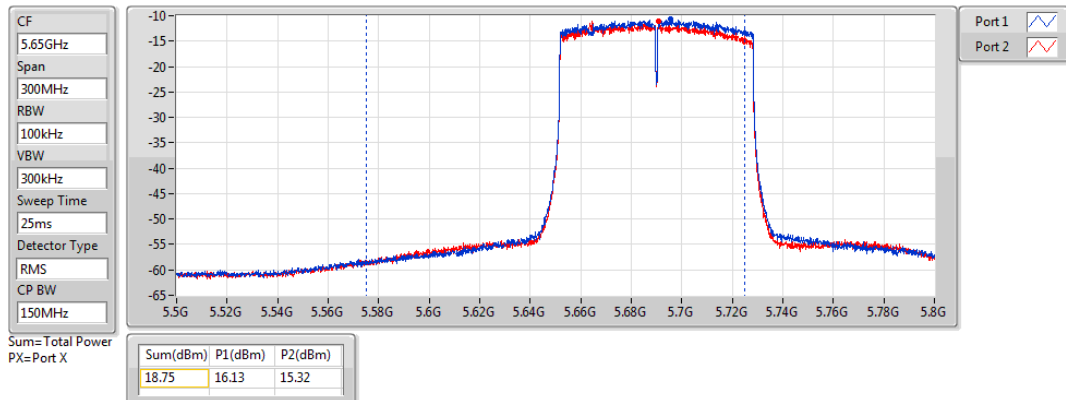


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

09/12/2019

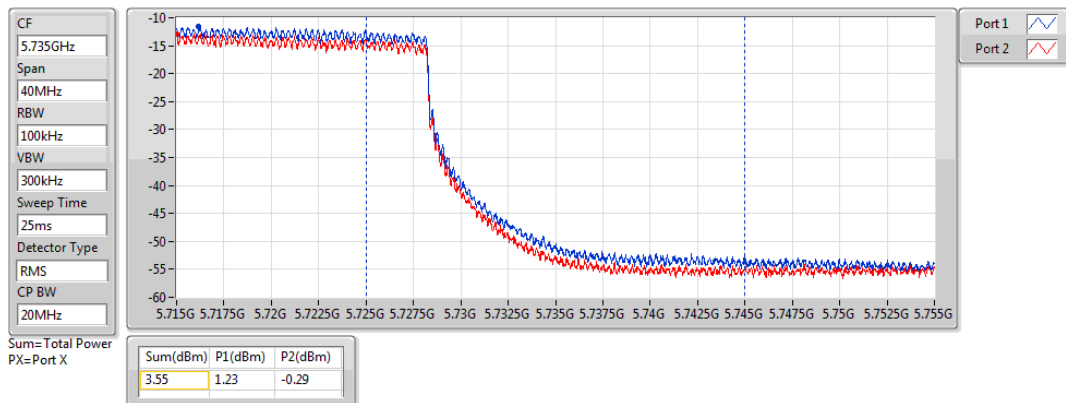


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

09/12/2019

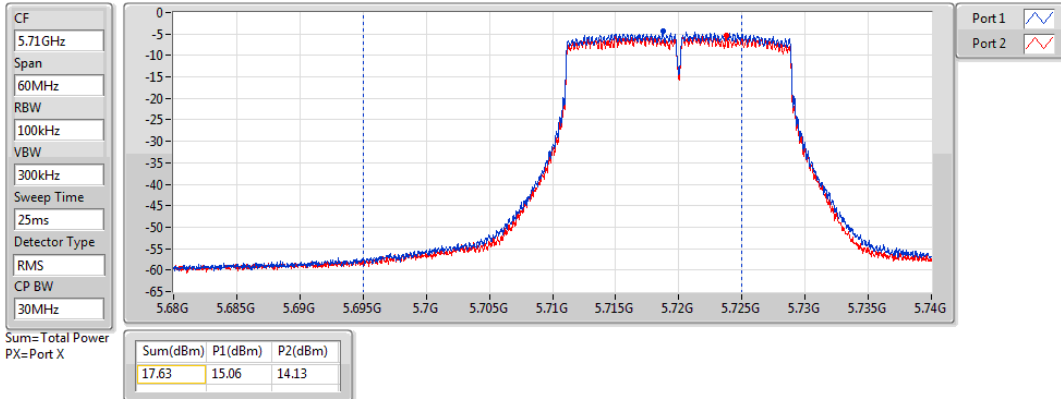


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

09/12/2019

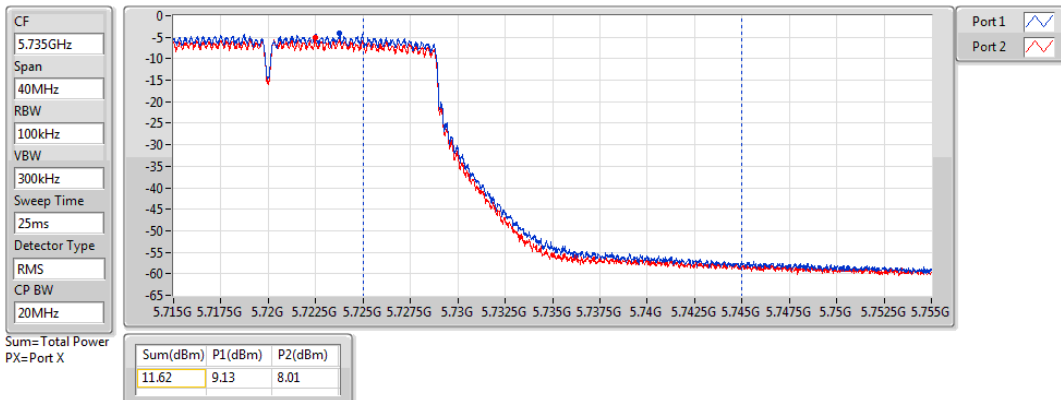


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

09/12/2019

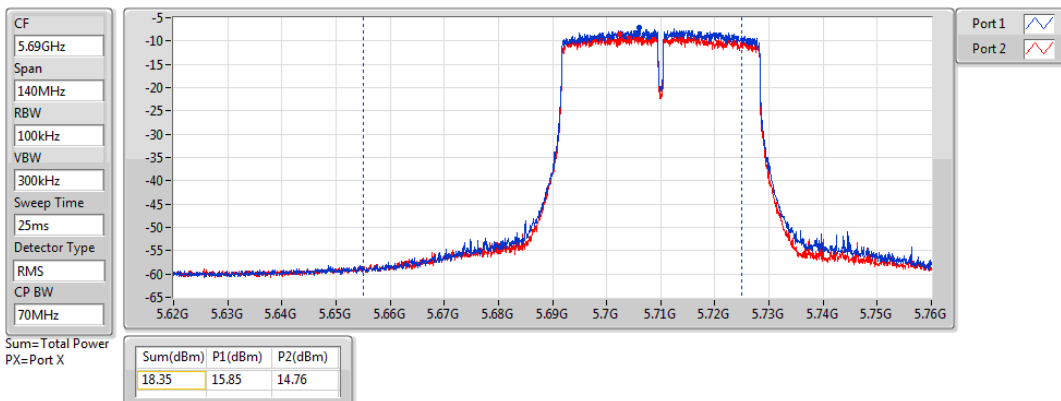


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

09/12/2019

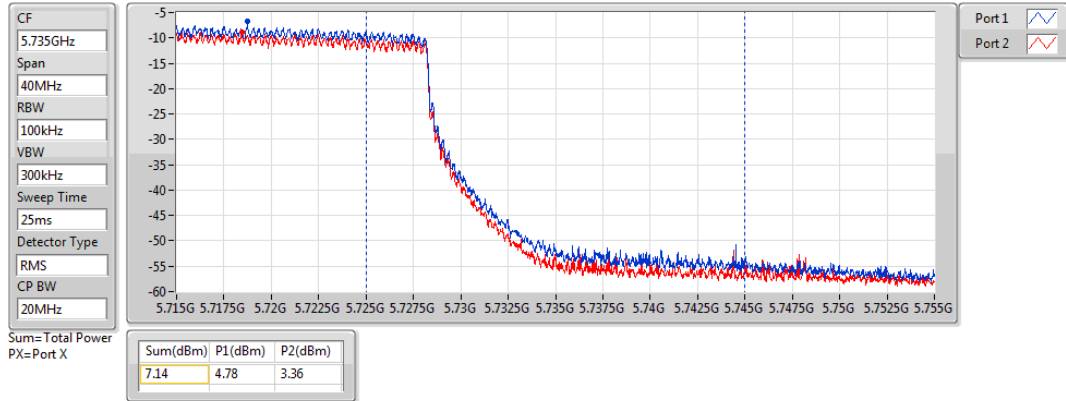


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

09/12/2019

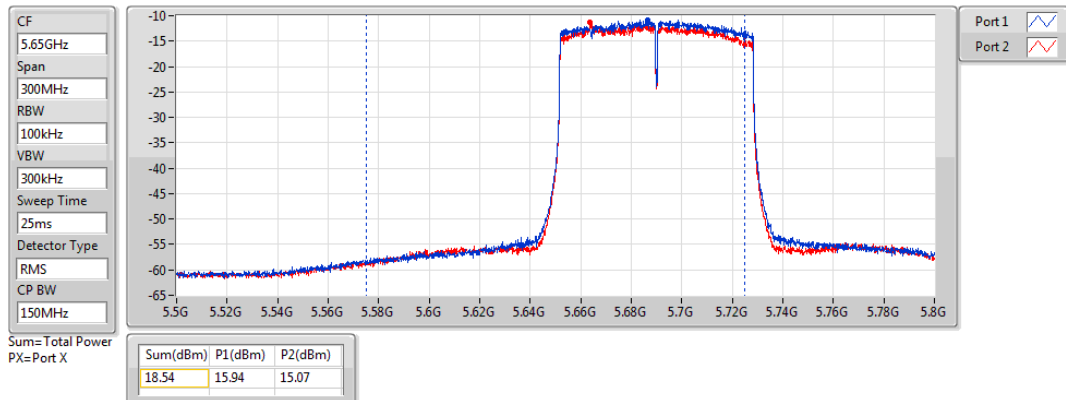


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

09/12/2019

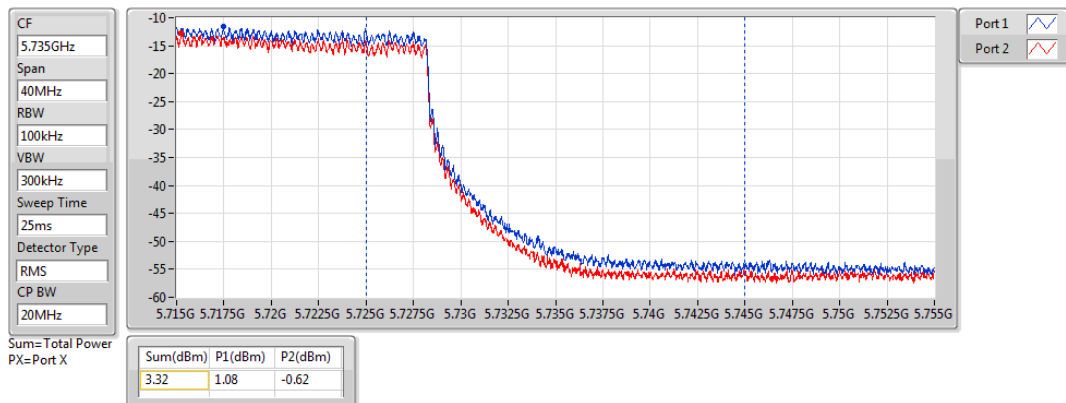


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

09/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	13.29	0.02133	29.30	0.85114
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	12.95	0.01972	28.96	0.78705
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	12.66	0.01845	28.67	0.73621
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	13.38	0.02178	29.39	0.86896
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	13.07	0.02028	29.08	0.80910
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	12.77	0.01892	28.78	0.75509
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	12.88	0.01941	28.89	0.77446
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	13.31	0.02143	29.32	0.85507
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	13.33	0.02153	29.34	0.85901
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.91	0.01954	28.92	0.77983
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	13.42	0.02198	29.43	0.87700
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	13.48	0.02228	29.49	0.88920
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	5.28	0.00337	21.29	0.13459
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	2.22	0.00167	18.23	0.06653
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-2.70	0.00054	13.31	0.02143
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	5.61	0.00364	21.62	0.14521
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	2.28	0.00169	18.29	0.06745
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-2.60	0.00055	13.41	0.02193

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	16.01	9.21	9.50	12.37	13.99	28.38	30.00
5300MHz_TnomVnom	Pass	16.01	10.19	10.37	13.29	13.99	29.30	30.00
5320MHz_TnomVnom	Pass	16.01	10.17	10.10	13.15	13.99	29.16	30.00
5500MHz_TnomVnom	Pass	16.01	10.19	9.53	12.88	13.99	28.89	30.00
5580MHz_TnomVnom	Pass	16.01	9.76	9.14	12.47	13.99	28.48	30.00
5700MHz_TnomVnom	Pass	16.01	10.37	9.00	12.75	13.99	28.76	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	16.01	8.86	7.63	11.30	12.81	27.31	28.82
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	2.93	1.50	5.28	19.99	21.29	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	16.01	9.59	10.26	12.95	13.99	28.96	30.00
5310MHz_TnomVnom	Pass	16.01	9.60	9.44	12.53	13.99	28.54	30.00
5510MHz_TnomVnom	Pass	16.01	10.72	9.84	13.31	13.99	29.32	30.00
5550MHz_TnomVnom	Pass	16.01	9.80	9.23	12.53	13.99	28.54	30.00
5670MHz_TnomVnom	Pass	16.01	10.49	8.97	12.81	13.99	28.82	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	16.01	11.01	9.37	13.28	13.99	29.29	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	0.10	-1.92	2.22	19.99	18.23	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	16.01	9.77	9.52	12.66	13.99	28.67	30.00
5530MHz_TnomVnom	Pass	16.01	10.63	9.98	13.33	13.99	29.34	30.00
5610MHz_TnomVnom	Pass	16.01	9.11	6.33	10.95	13.99	26.96	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	16.01	10.28	8.77	12.60	13.99	28.61	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	-4.84	-6.81	-2.70	19.99	13.31	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	16.01	9.29	10.34	12.86	13.99	28.87	30.00
5300MHz_TnomVnom	Pass	16.01	10.30	10.44	13.38	13.99	29.39	30.00
5320MHz_TnomVnom	Pass	16.01	10.41	10.20	13.32	13.99	29.33	30.00
5500MHz_TnomVnom	Pass	16.01	10.34	9.42	12.91	13.99	28.92	30.00
5580MHz_TnomVnom	Pass	16.01	9.96	9.22	12.62	13.99	28.63	30.00
5700MHz_TnomVnom	Pass	16.01	10.47	9.01	12.81	13.99	28.82	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	16.01	9.38	7.80	11.67	12.82	27.68	28.83
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	3.37	1.67	5.61	19.99	21.62	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	16.01	9.57	10.50	13.07	13.99	29.08	30.00
5310MHz_TnomVnom	Pass	16.01	9.79	9.54	12.68	13.99	28.69	30.00
5510MHz_TnomVnom	Pass	16.01	10.84	9.93	13.42	13.99	29.43	30.00
5550MHz_TnomVnom	Pass	16.01	9.78	9.45	12.63	13.99	28.64	30.00
5670MHz_TnomVnom	Pass	16.01	10.55	9.12	12.90	13.99	28.91	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	16.01	11.19	9.41	13.40	13.99	29.41	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	0.24	-1.98	2.28	19.99	18.29	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	16.01	9.57	9.95	12.77	13.99	28.78	30.00
5530MHz_TnomVnom	Pass	16.01	10.69	10.23	13.48	13.99	29.49	30.00
5610MHz_TnomVnom	Pass	16.01	9.16	8.02	11.64	13.99	27.65	30.00



Average Power_Group 2_Beamforming

Appendix B

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	16.01	10.43	8.74	12.68	13.99	28.69	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	16.01	-4.73	-6.71	-2.60	19.99	13.41	36.00

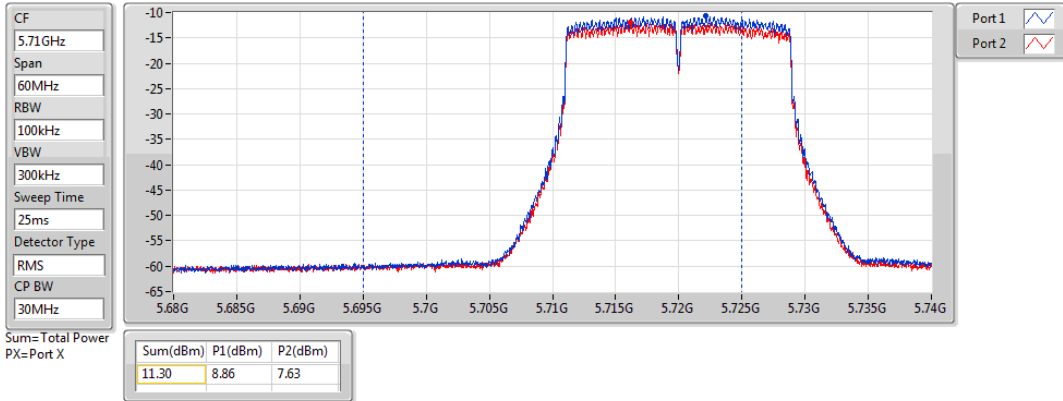
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

08/12/2019

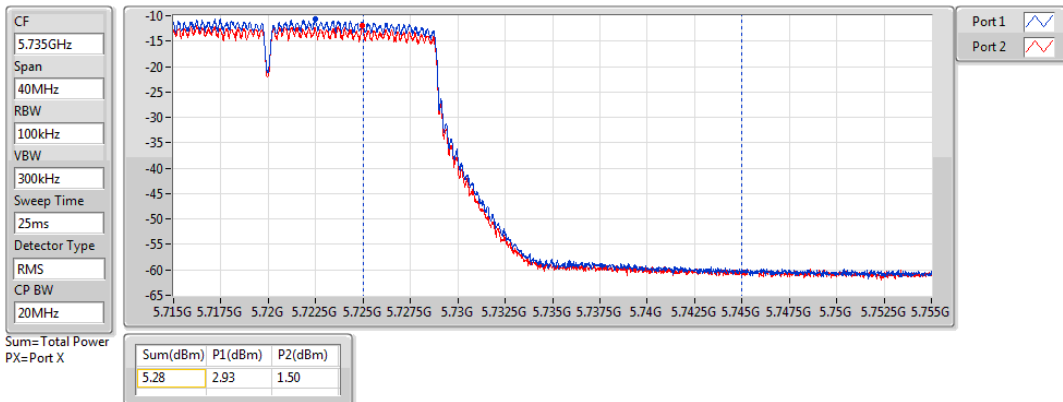


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

08/12/2019

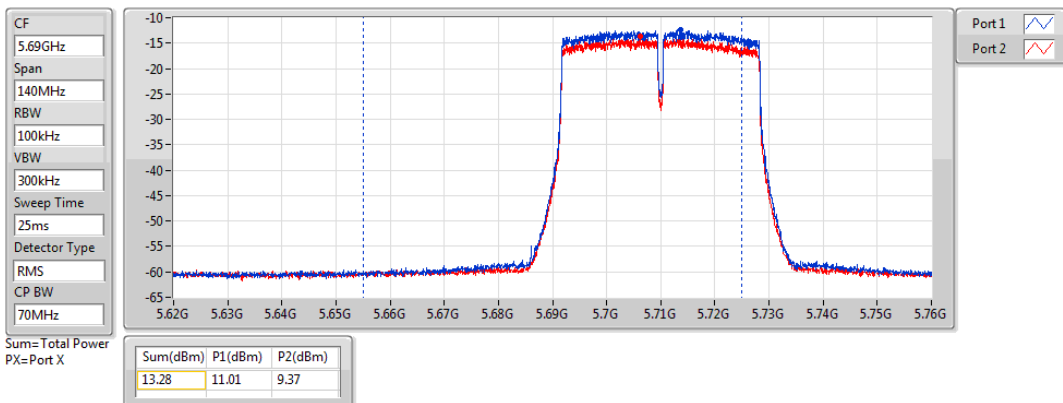


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

08/12/2019

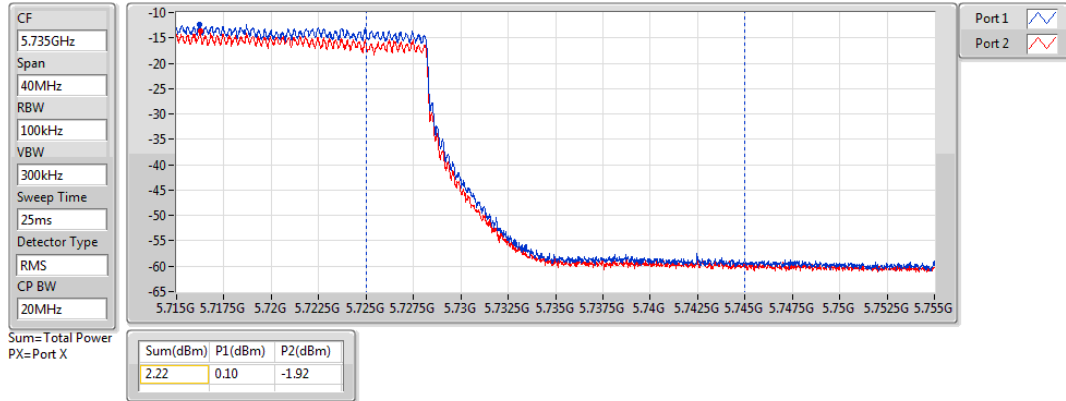


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

08/12/2019

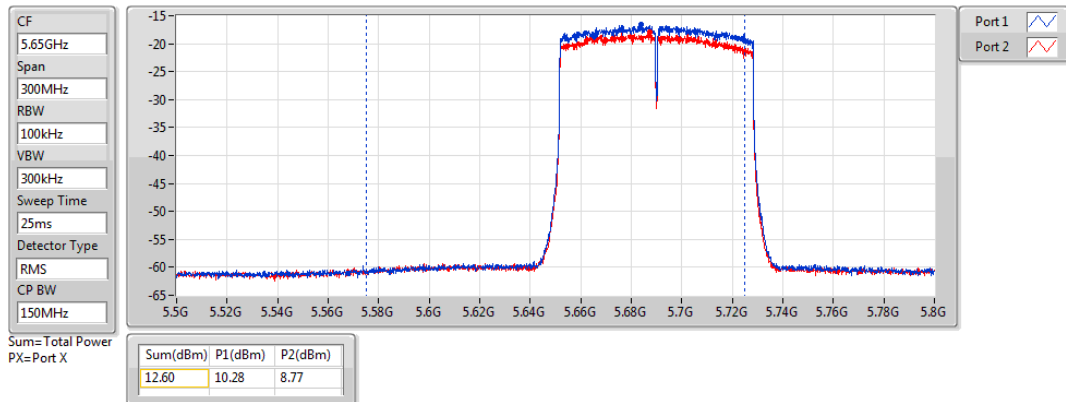


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

08/12/2019

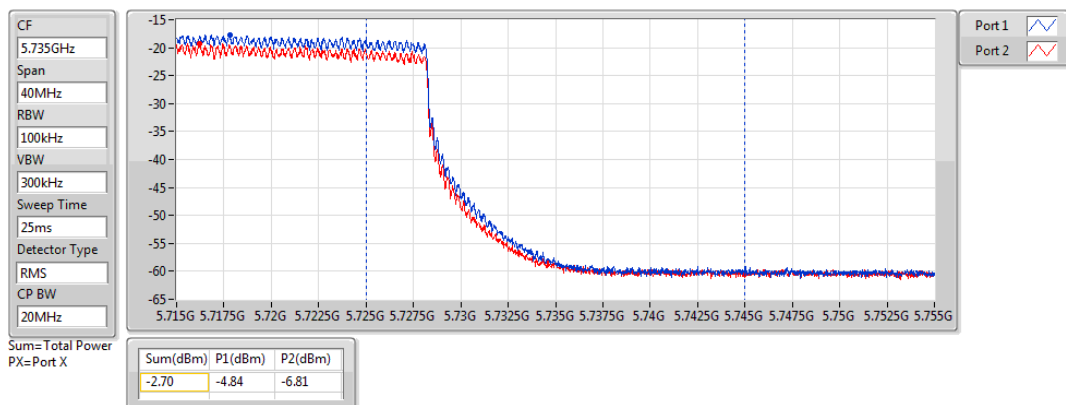


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

08/12/2019

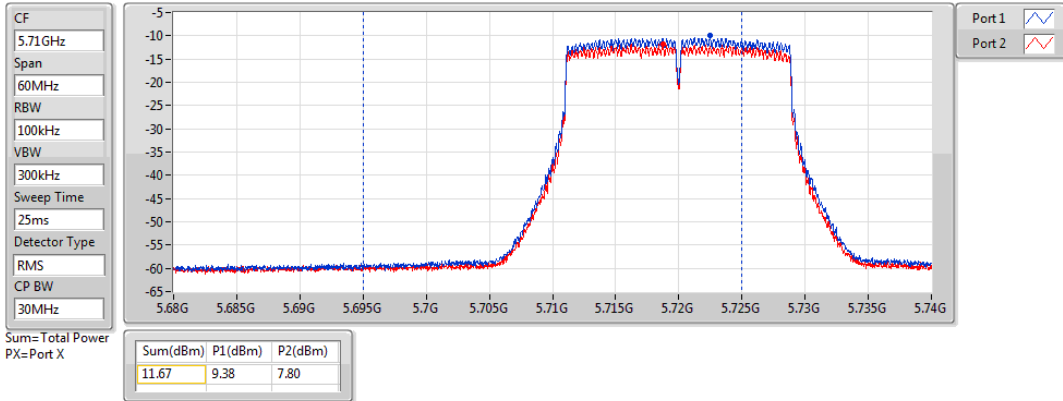


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

08/12/2019

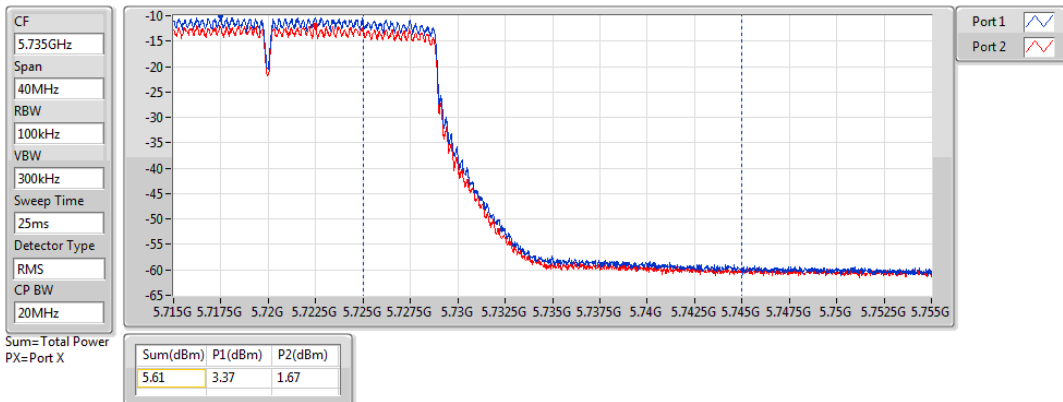


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

08/12/2019

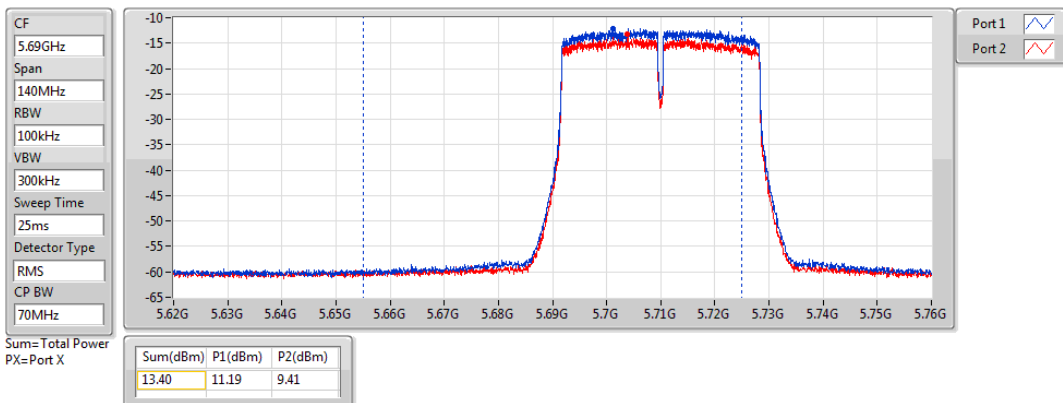


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

08/12/2019

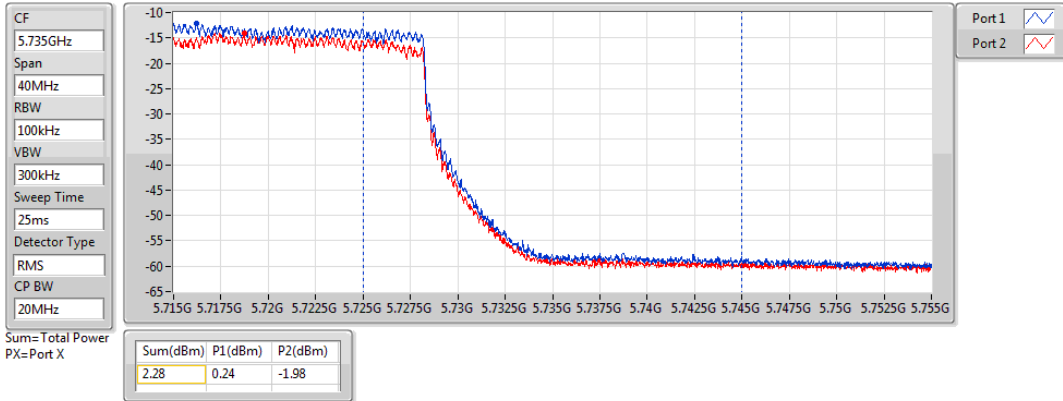


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

08/12/2019

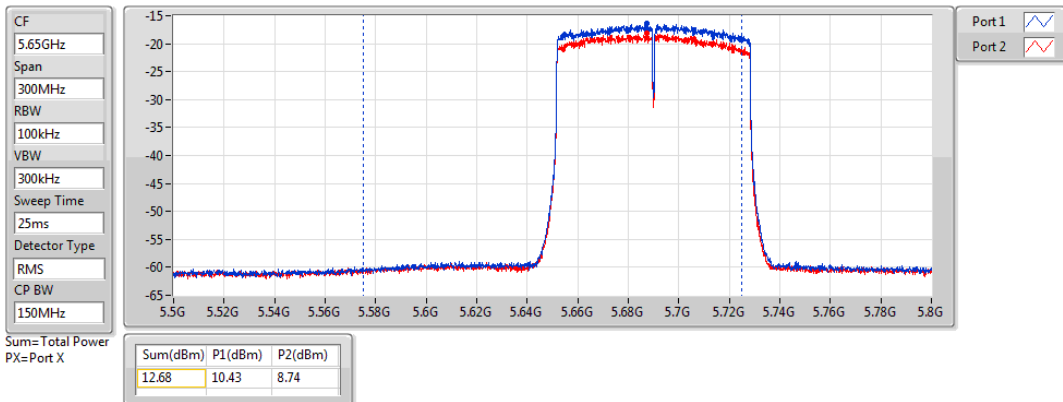


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

08/12/2019

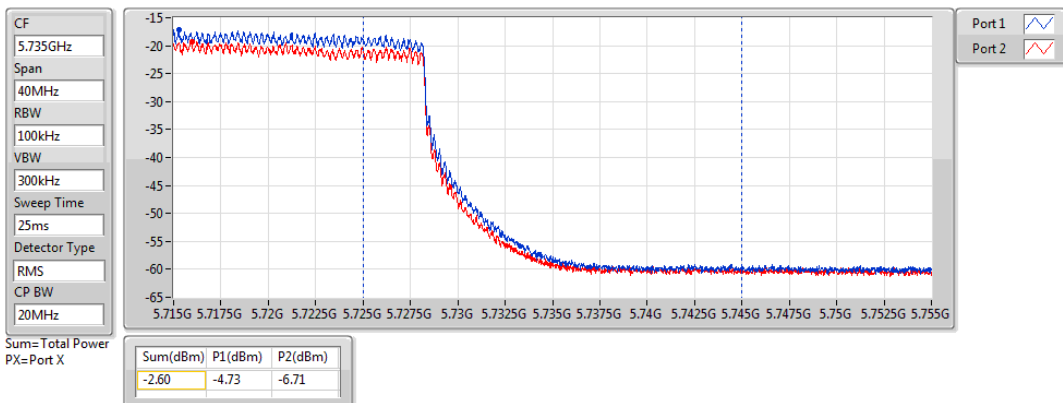


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

08/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	19.31	0.08531	29.42	0.87498
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	19.33	0.08570	29.44	0.87902
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	17.73	0.05929	27.84	0.60814
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.38	0.08670	29.49	0.88920
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.38	0.08670	29.49	0.88920
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.74	0.05943	27.85	0.60954
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	19.14	0.08204	29.25	0.84140
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	18.94	0.07834	29.05	0.80353
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	18.50	0.07079	28.61	0.72611
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.21	0.08337	29.32	0.85507
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.03	0.07998	29.14	0.82035
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.54	0.07145	28.65	0.73282
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.54	0.01426	21.65	0.14622
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.99	0.00500	17.10	0.05129
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.27	0.00212	13.38	0.02178
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	11.62	0.01452	21.73	0.14894
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.14	0.00518	17.25	0.05309
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.32	0.00215	13.43	0.02203

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	10.11	15.79	16.51	19.18	19.89	29.29	30.00
5300MHz	Pass	10.11	16.17	16.42	19.31	19.89	29.42	30.00
5320MHz	Pass	10.11	16.15	16.41	19.29	19.89	29.40	30.00
5500MHz	Pass	10.11	15.81	15.72	18.78	19.89	28.89	30.00
5580MHz	Pass	10.11	16.15	16.06	19.12	19.89	29.23	30.00
5700MHz	Pass	10.11	16.31	15.95	19.14	19.89	29.25	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.11	14.82	14.26	17.56	18.70	27.67	28.81
5720MHz Straddle 5.725-5.85GHz	Pass	10.11	9.11	7.85	11.54	25.89	21.65	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.11	16.08	16.55	19.33	19.89	29.44	30.00
5310MHz	Pass	10.11	14.52	15.19	17.88	19.89	27.99	30.00
5510MHz	Pass	10.11	11.58	10.97	14.30	19.89	24.41	30.00
5550MHz	Pass	10.11	16.04	15.81	18.94	19.89	29.05	30.00
5670MHz	Pass	10.11	14.85	14.11	17.51	19.89	27.62	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.11	15.76	14.73	18.29	19.89	28.40	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.11	4.57	3.29	6.99	25.89	17.10	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.11	14.21	15.17	17.73	19.89	27.84	30.00
5530MHz	Pass	10.11	14.24	14.02	17.14	19.89	27.25	30.00
5610MHz	Pass	10.11	12.86	12.21	15.56	19.89	25.67	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.11	15.91	15.02	18.50	19.89	28.61	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.11	0.84	-0.41	3.27	25.89	13.38	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.11	15.83	16.58	19.23	19.89	29.34	30.00
5300MHz	Pass	10.11	16.21	16.52	19.38	19.89	29.49	30.00
5320MHz	Pass	10.11	16.45	16.29	19.38	19.89	29.49	30.00
5500MHz	Pass	10.11	16.09	15.49	18.81	19.89	28.92	30.00
5580MHz	Pass	10.11	16.50	15.70	19.13	19.89	29.24	30.00
5700MHz	Pass	10.11	16.67	15.68	19.21	19.89	29.32	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.11	15.06	14.13	17.63	18.69	27.74	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	10.11	9.13	8.01	11.62	25.89	21.73	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.11	16.22	16.51	19.38	19.89	29.49	30.00
5310MHz	Pass	10.11	14.53	15.29	17.94	19.89	28.05	30.00
5510MHz	Pass	10.11	11.55	11.03	14.31	19.89	24.42	30.00
5550MHz	Pass	10.11	16.33	15.68	19.03	19.89	29.14	30.00
5670MHz	Pass	10.11	14.79	14.29	17.56	19.89	27.67	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.11	15.85	14.76	18.35	19.89	28.46	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.11	4.78	3.36	7.14	25.89	17.25	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.11	13.83	15.48	17.74	19.89	27.85	30.00
5530MHz	Pass	10.11	14.46	13.89	17.19	19.89	27.30	30.00
5610MHz	Pass	10.11	12.88	12.38	15.65	19.89	25.76	30.00



Average Power_Group 3_Beamforming

Appendix B

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	10.11	15.94	15.07	18.54	19.89	28.65	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.11	1.08	-0.62	3.32	25.89	13.43	36.00

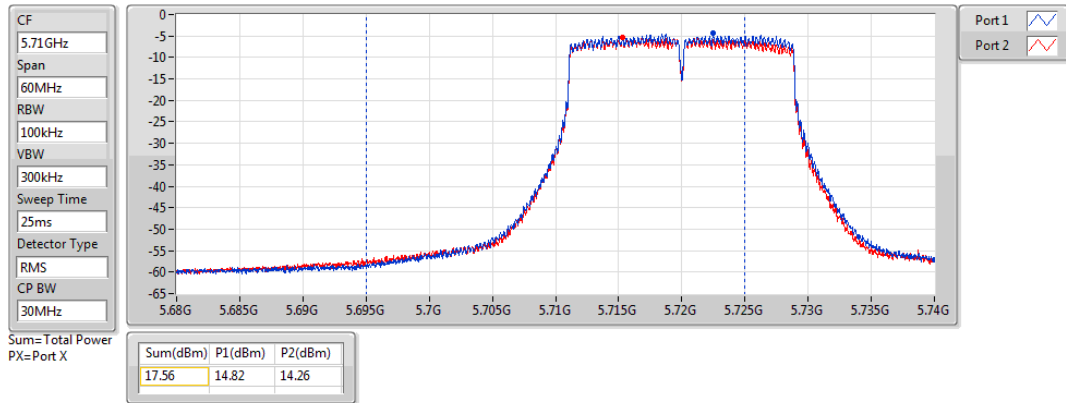
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

09/12/2019

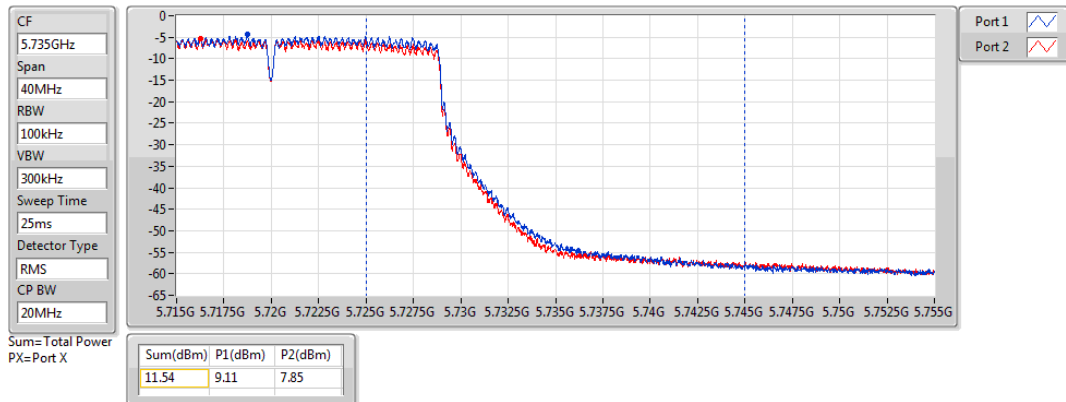


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

09/12/2019

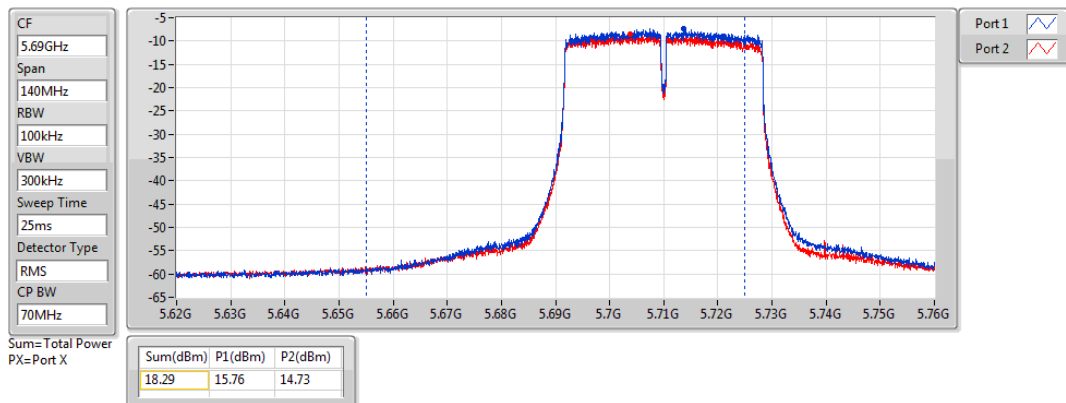


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

09/12/2019

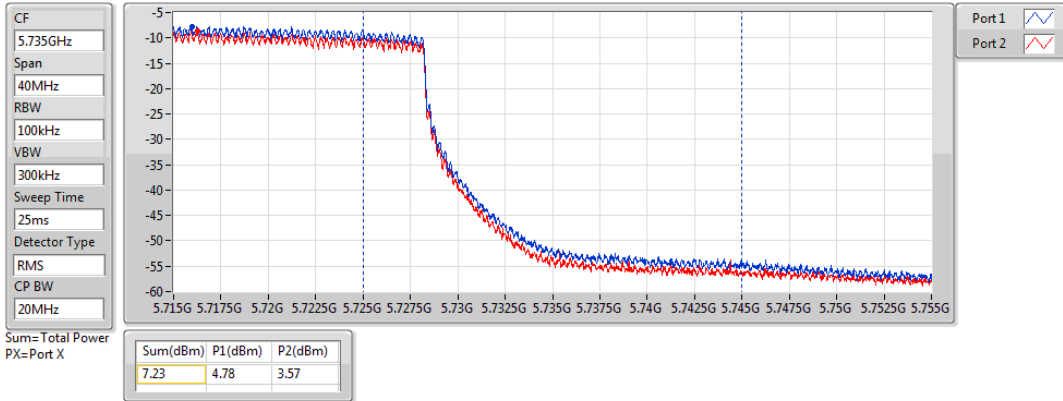


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

09/12/2019

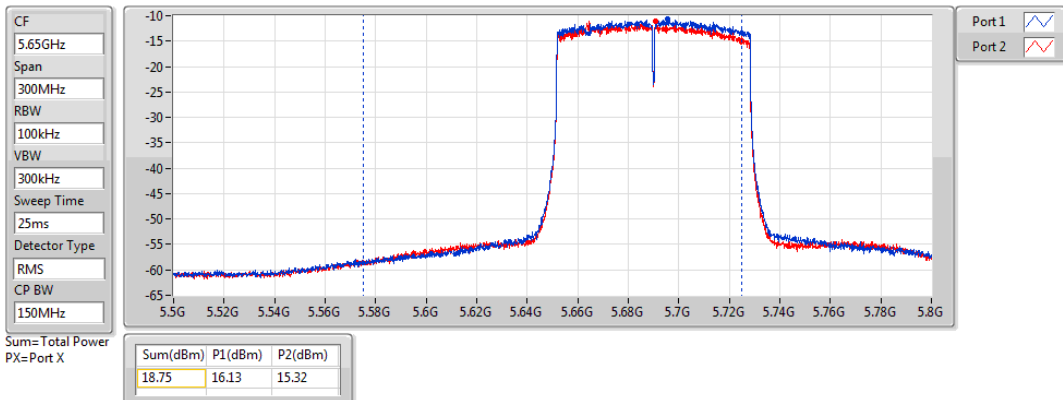


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

09/12/2019

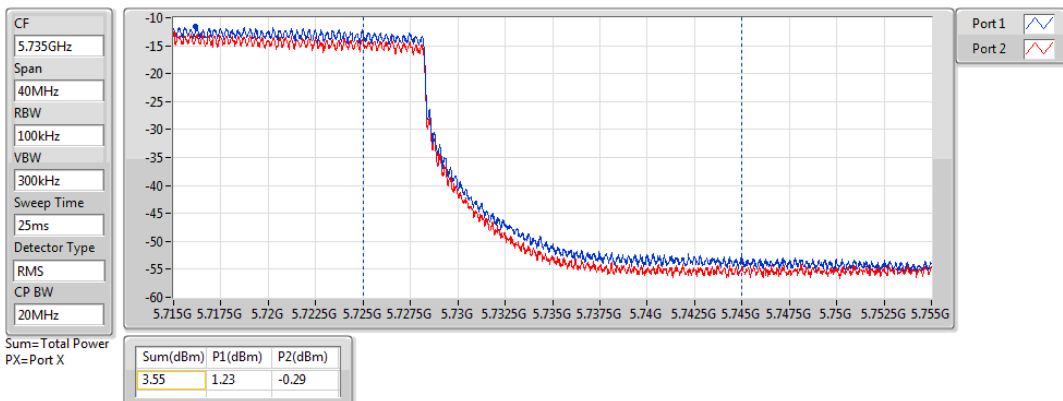


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

09/12/2019

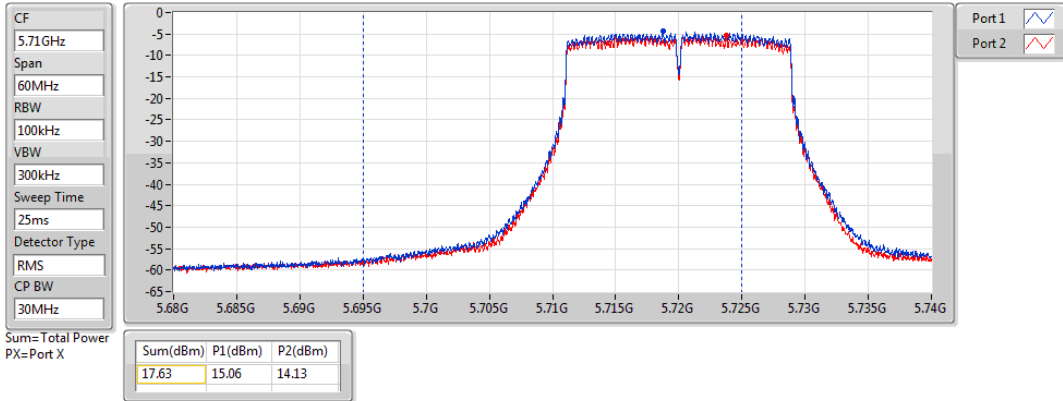


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

09/12/2019

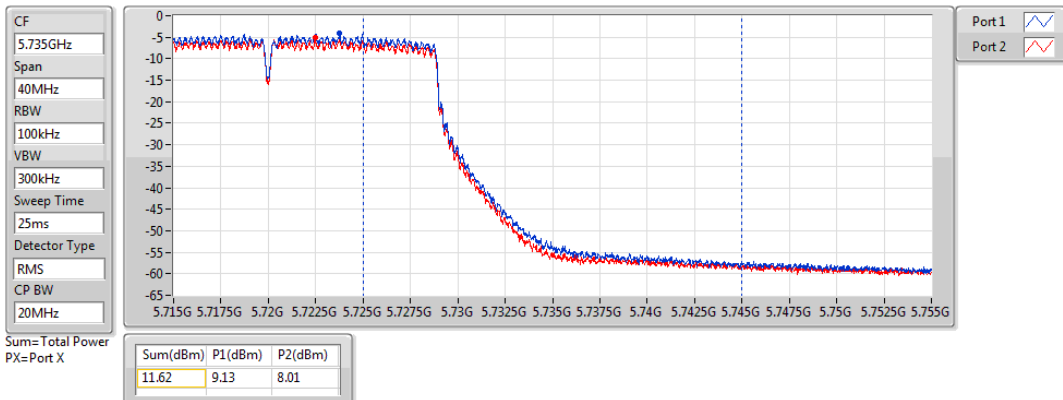


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

09/12/2019

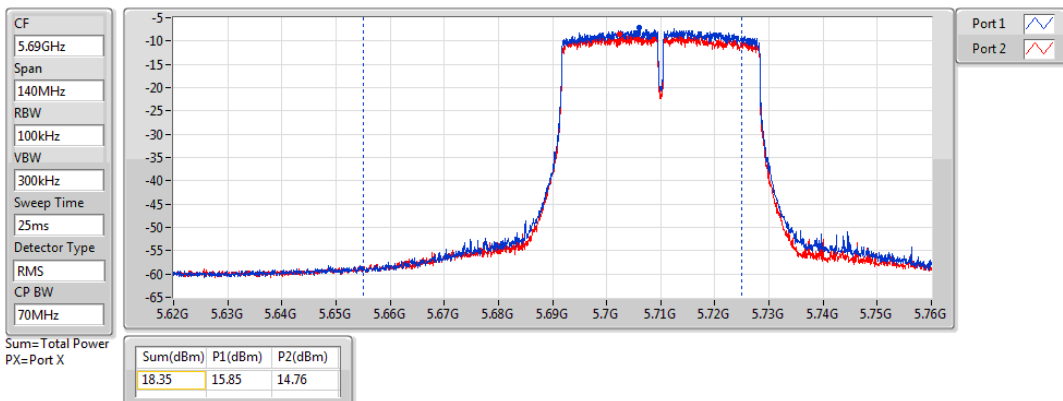


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

09/12/2019

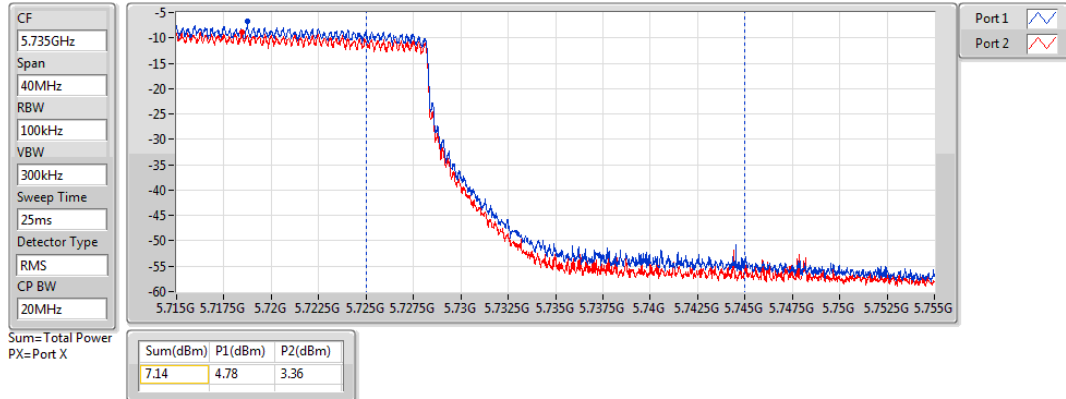


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

09/12/2019

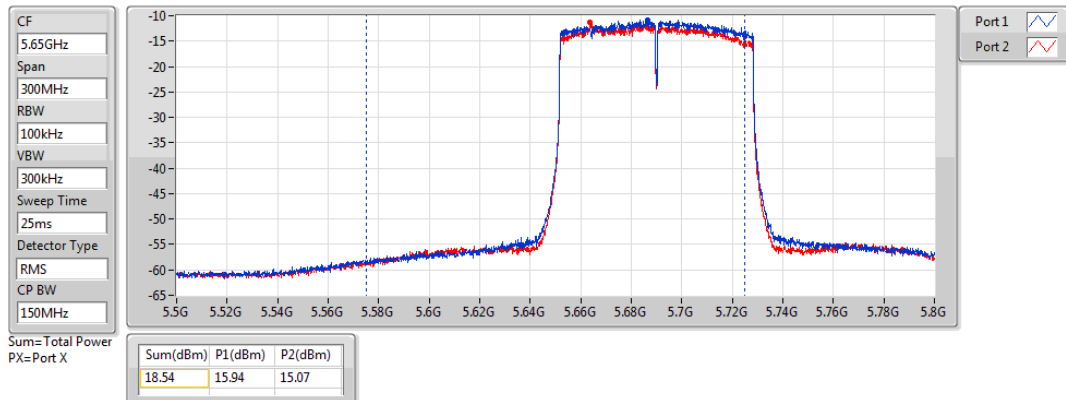


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

09/12/2019

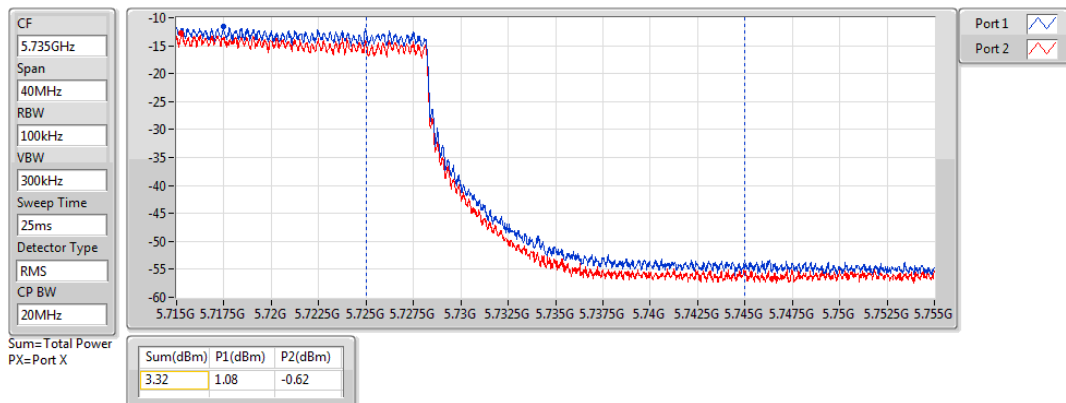


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

09/12/2019



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	14.83	0.03041	29.14	0.82035
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	14.76	0.02992	29.07	0.80724
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	14.57	0.02864	28.88	0.77268
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.86	0.03062	29.17	0.82604
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.10	0.03236	29.41	0.87297
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.61	0.02891	28.92	0.77983
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	14.55	0.02851	28.86	0.76913
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	14.62	0.02897	28.93	0.78163
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	14.53	0.02838	28.84	0.76560
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.63	0.02904	28.94	0.78343
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	14.93	0.03112	29.24	0.83946
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.75	0.02985	29.06	0.80538
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	7.23	0.00528	21.54	0.14256
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.26	0.00212	17.57	0.05715
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-0.77	0.00084	13.54	0.02259
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	7.65	0.00582	21.96	0.15704
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.29	0.00213	17.60	0.05754
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-0.68	0.00086	13.63	0.02307

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	14.31	11.35	12.25	14.83	15.69	29.14	30.00
5300MHz_TnomVnom	Pass	14.31	11.44	11.34	14.40	15.69	28.71	30.00
5320MHz_TnomVnom	Pass	14.31	11.33	11.11	14.23	15.69	28.54	30.00
5500MHz_TnomVnom	Pass	14.31	11.60	10.51	14.10	15.69	28.41	30.00
5580MHz_TnomVnom	Pass	14.31	11.86	11.05	14.48	15.69	28.79	30.00
5700MHz_TnomVnom	Pass	14.31	12.16	10.82	14.55	15.69	28.86	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	14.31	10.87	9.63	13.30	14.50	27.61	28.81
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	4.82	3.53	7.23	21.69	21.54	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	14.31	11.61	11.89	14.76	15.69	29.07	30.00
5310MHz_TnomVnom	Pass	14.31	11.79	10.85	14.36	15.69	28.67	30.00
5510MHz_TnomVnom	Pass	14.31	11.86	10.98	14.45	15.69	28.76	30.00
5550MHz_TnomVnom	Pass	14.31	11.58	11.24	14.42	15.69	28.73	30.00
5670MHz_TnomVnom	Pass	14.31	12.01	11.17	14.62	15.69	28.93	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	14.31	11.95	10.38	14.25	15.69	28.56	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	1.05	-0.73	3.26	21.69	17.57	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	14.31	11.58	11.53	14.57	15.69	28.88	30.00
5530MHz_TnomVnom	Pass	14.31	11.53	11.03	14.30	15.69	28.61	30.00
5610MHz_TnomVnom	Pass	14.31	11.72	11.08	14.42	15.69	28.73	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	14.31	12.22	10.69	14.53	15.69	28.84	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	-2.88	-4.91	-0.77	21.69	13.54	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	14.31	11.29	12.35	14.86	15.69	29.17	30.00
5300MHz_TnomVnom	Pass	14.31	11.40	11.50	14.46	15.69	28.77	30.00
5320MHz_TnomVnom	Pass	14.31	11.63	11.12	14.39	15.69	28.70	30.00
5500MHz_TnomVnom	Pass	14.31	11.65	10.90	14.30	15.69	28.61	30.00
5580MHz_TnomVnom	Pass	14.31	11.86	11.13	14.52	15.69	28.83	30.00
5700MHz_TnomVnom	Pass	14.31	12.13	11.04	14.63	15.69	28.94	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	14.31	11.40	9.76	13.67	14.50	27.98	28.81
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	5.46	3.63	7.65	21.69	21.96	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	14.31	11.73	12.42	15.10	15.69	29.41	30.00
5310MHz_TnomVnom	Pass	14.31	11.71	11.65	14.69	15.69	29.00	30.00
5510MHz_TnomVnom	Pass	14.31	11.89	11.01	14.48	15.69	28.79	30.00
5550MHz_TnomVnom	Pass	14.31	11.93	11.34	14.66	15.69	28.97	30.00
5670MHz_TnomVnom	Pass	14.31	12.60	11.12	14.93	15.69	29.24	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	14.31	12.12	10.40	14.35	15.69	28.66	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	1.20	-0.90	3.29	21.69	17.60	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	14.31	11.96	11.20	14.61	15.69	28.92	30.00
5530MHz_TnomVnom	Pass	14.31	11.66	11.46	14.57	15.69	28.88	30.00
5610MHz_TnomVnom	Pass	14.31	12.33	11.05	14.75	15.69	29.06	30.00



Average Power_Group 4_Beamforming

Appendix B

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	14.31	12.39	10.68	14.63	15.69	28.94	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	14.31	-2.79	-4.84	-0.68	21.69	13.63	36.00

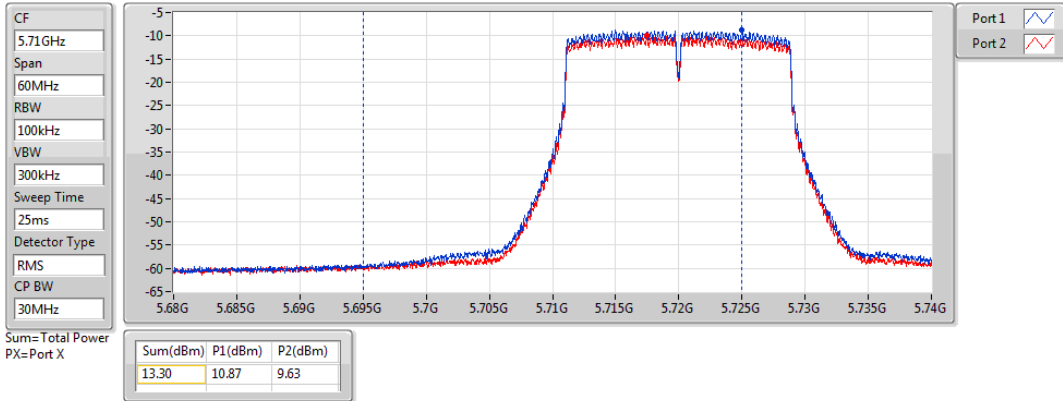
DG = Directional Gain; **Port X** = Port X output power

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

08/12/2019

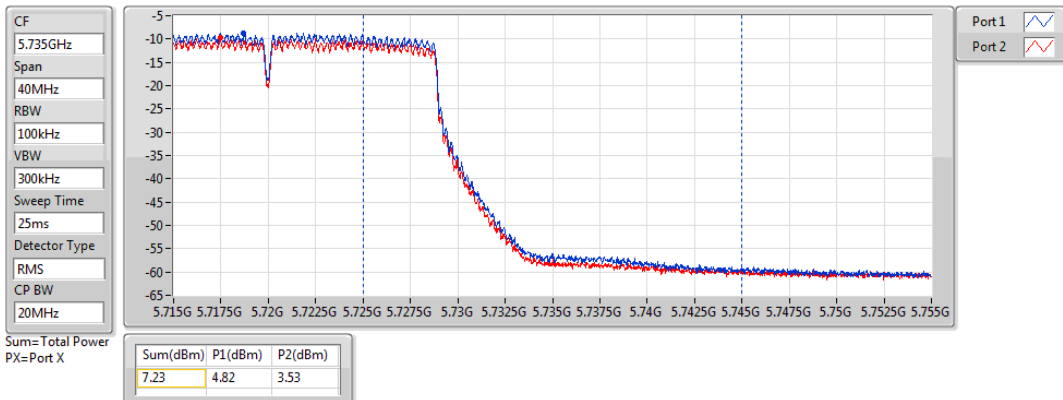


802.11ac VHT20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

08/12/2019

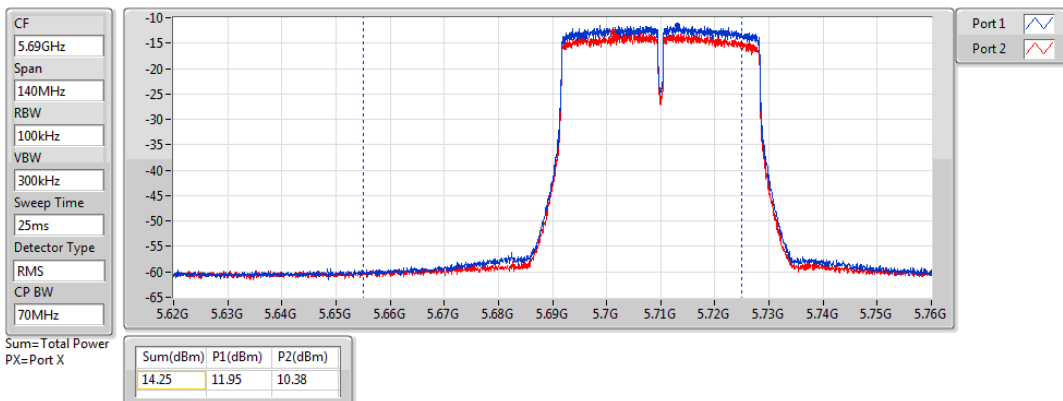


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

08/12/2019

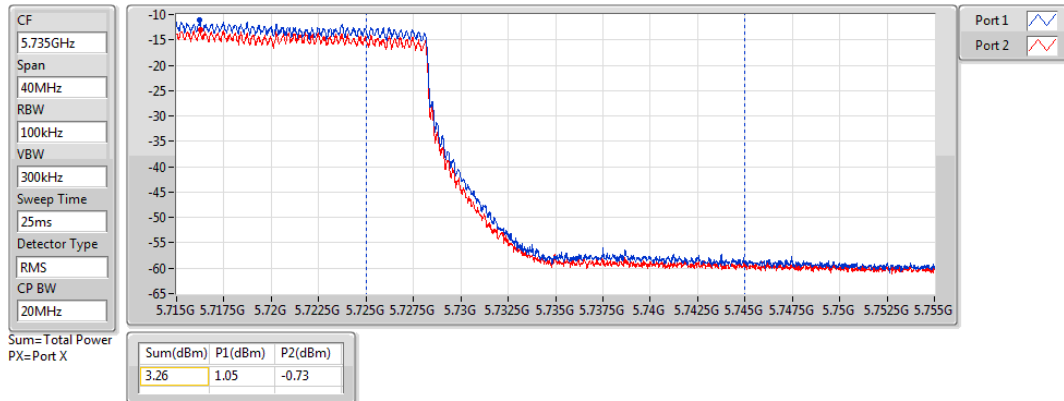


802.11ac VHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

08/12/2019

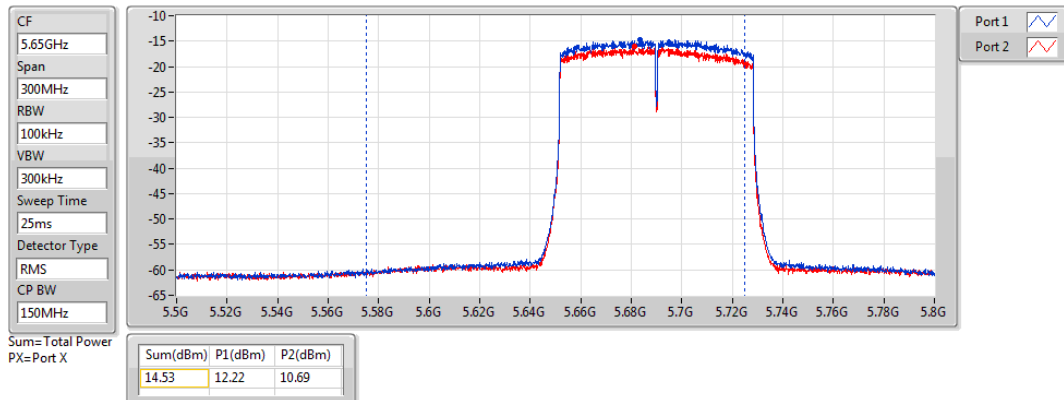


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

08/12/2019

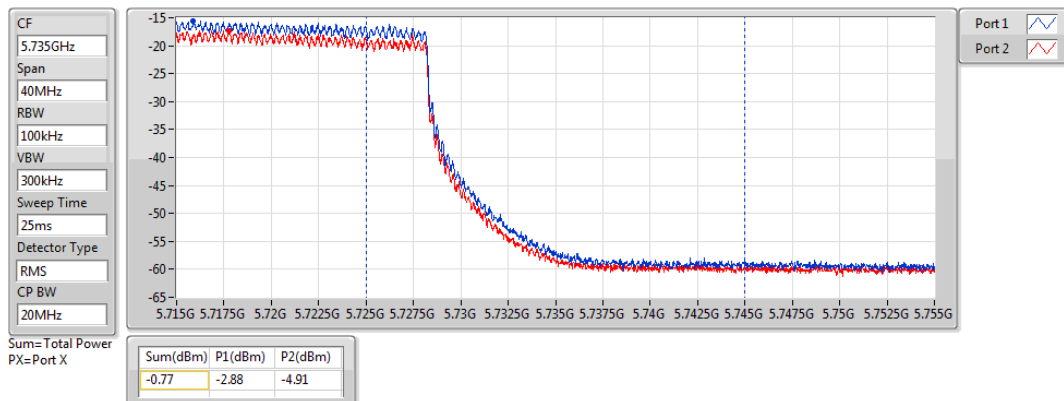


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

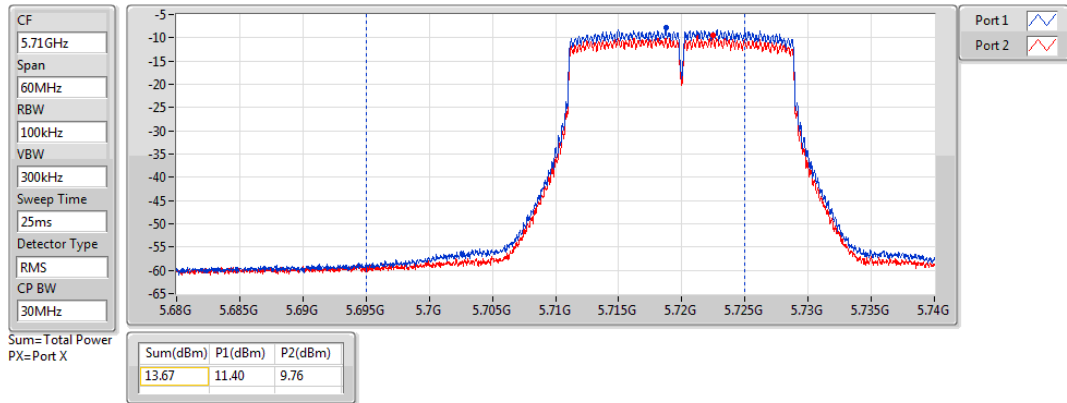
08/12/2019



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

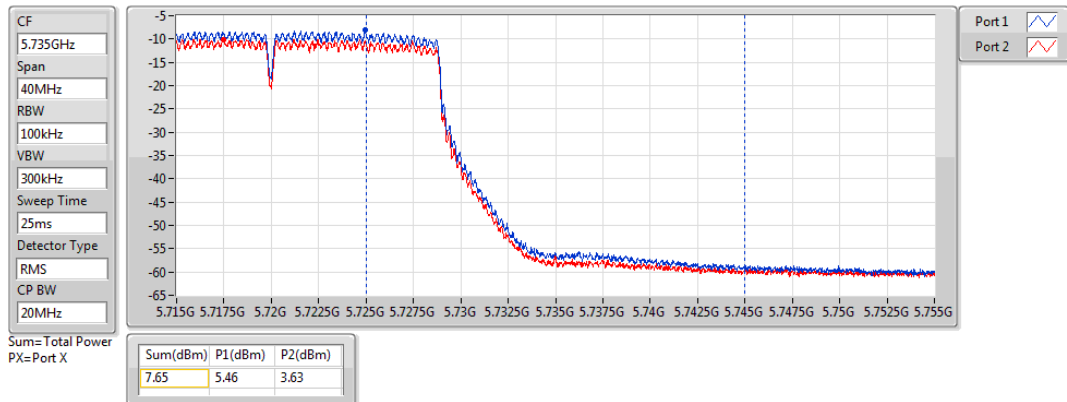
5720MHz Straddle 5.47-5.725GHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

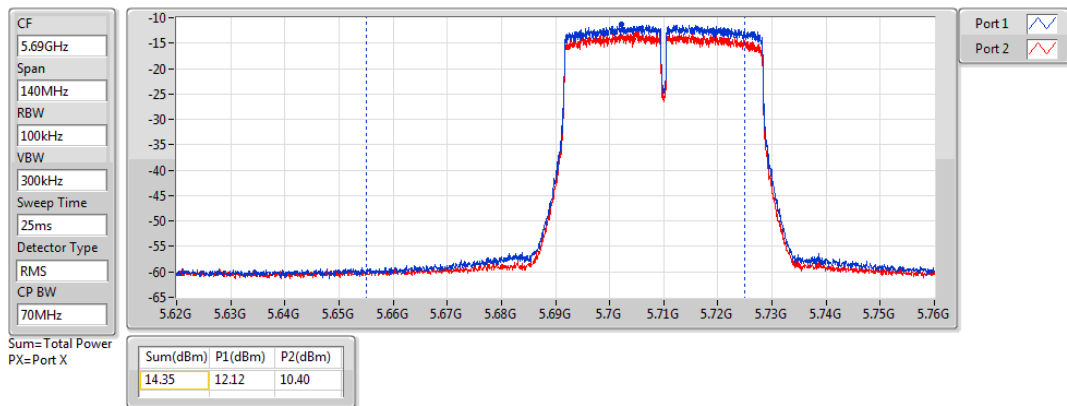
5720MHz Straddle 5.725-5.85GHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

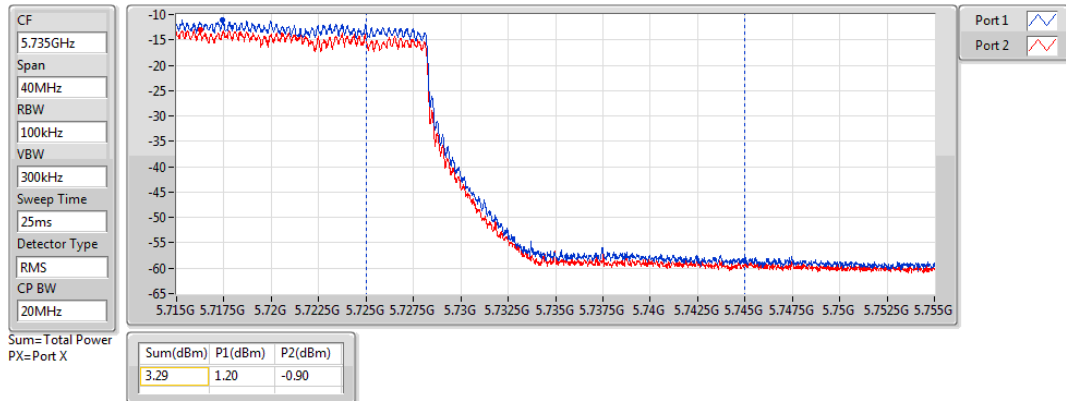


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

08/12/2019

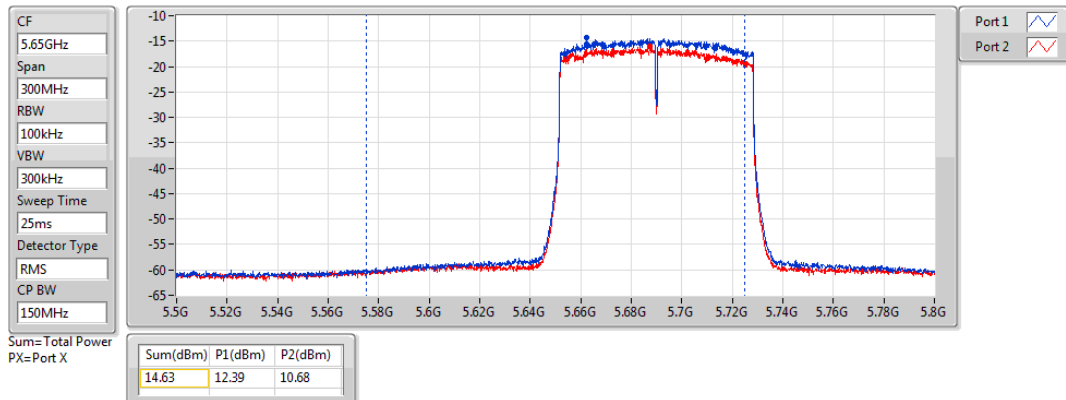


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

08/12/2019

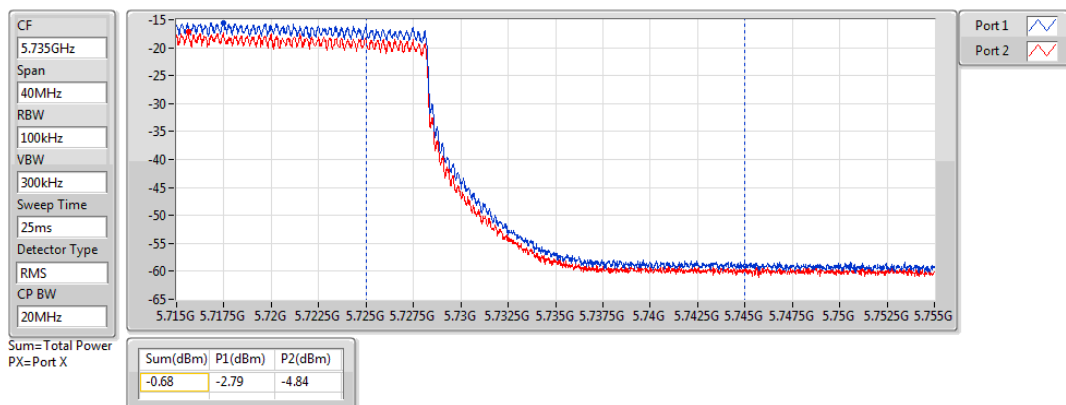


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

08/12/2019



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	7.32	14.32
802.11a_Nss1,(6Mbps)_2TX	6.90	16.91
802.11ac VHT20_Nss1,(MCS0)_1TX	6.88	13.88
802.11ac VHT20_Nss1,(MCS0)_2TX	6.85	16.86
802.11ac VHT40_Nss1,(MCS0)_1TX	3.85	10.85
802.11ac VHT40_Nss1,(MCS0)_2TX	6.00	16.01
802.11ac VHT80_Nss1,(MCS0)_1TX	-1.84	5.16
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.33	9.68
802.11ax HEW20_Nss1,(MCS0)_1TX	6.86	13.86
802.11ax HEW20_Nss1,(MCS0)_2TX	6.96	16.97
802.11ax HEW40_Nss1,(MCS0)_1TX	3.76	10.76
802.11ax HEW40_Nss1,(MCS0)_2TX	6.07	16.08
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.58	5.42
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.17	9.84
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	7.82	14.82
802.11a_Nss1,(6Mbps)_2TX	6.90	16.91
802.11ac VHT20_Nss1,(MCS0)_1TX	7.59	14.59
802.11ac VHT20_Nss1,(MCS0)_2TX	6.79	16.80
802.11ac VHT40_Nss1,(MCS0)_1TX	4.83	11.83
802.11ac VHT40_Nss1,(MCS0)_2TX	6.67	16.68
802.11ac VHT80_Nss1,(MCS0)_1TX	0.00	7.00
802.11ac VHT80_Nss1,(MCS0)_2TX	1.83	11.84
802.11ax HEW20_Nss1,(MCS0)_1TX	7.47	14.47
802.11ax HEW20_Nss1,(MCS0)_2TX	6.81	16.82
802.11ax HEW40_Nss1,(MCS0)_1TX	4.97	11.97
802.11ax HEW40_Nss1,(MCS0)_2TX	6.76	16.77
802.11ax HEW80_Nss1,(MCS0)_1TX	0.28	7.28
802.11ax HEW80_Nss1,(MCS0)_2TX	2.14	12.15
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	5.37	12.37
802.11a_Nss1,(6Mbps)_2TX	4.94	14.95
802.11ac VHT20_Nss1,(MCS0)_1TX	5.05	12.05
802.11ac VHT20_Nss1,(MCS0)_2TX	4.79	14.80
802.11ac VHT40_Nss1,(MCS0)_1TX	1.84	8.84
802.11ac VHT40_Nss1,(MCS0)_2TX	3.89	13.90
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.74	3.26
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.78	8.23
802.11ax HEW20_Nss1,(MCS0)_1TX	4.74	11.74
802.11ax HEW20_Nss1,(MCS0)_2TX	4.89	14.90
802.11ax HEW40_Nss1,(MCS0)_1TX	2.38	9.38
802.11ax HEW40_Nss1,(MCS0)_2TX	3.95	13.96
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.53	3.47



PSD_Group 1

Appendix C

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.63	8.38

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	7.32		7.32	10.00	14.32	17.00
5300MHz	Pass	7.00	6.88		6.88	10.00	13.88	17.00
5320MHz	Pass	7.00	5.75		5.75	10.00	12.75	17.00
5500MHz	Pass	7.00	4.49		4.49	10.00	11.49	17.00
5580MHz	Pass	7.00	7.82		7.82	10.00	14.82	17.00
5700MHz	Pass	7.00	3.58		3.58	10.00	10.58	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	7.53		7.53	10.00	14.53	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	5.37		5.37	29.00	12.37	36.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.01	3.98	4.22	6.90	6.99	16.91	17.00
5300MHz	Pass	10.01	3.91	3.91	6.71	6.99	16.72	17.00
5320MHz	Pass	10.01	4.15	3.39	6.56	6.99	16.57	17.00
5500MHz	Pass	10.01	4.33	3.53	6.90	6.99	16.91	17.00
5580MHz	Pass	10.01	3.91	3.68	6.74	6.99	16.75	17.00
5700MHz	Pass	10.01	3.10	2.44	5.70	6.99	15.71	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.01	4.05	3.67	6.71	6.99	16.72	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	10.01	2.35	1.56	4.94	25.99	14.95	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	6.88		6.88	10.00	13.88	17.00
5300MHz	Pass	7.00	6.52		6.52	10.00	13.52	17.00
5320MHz	Pass	7.00	5.08		5.08	10.00	12.08	17.00
5500MHz	Pass	7.00	4.48		4.48	10.00	11.48	17.00
5580MHz	Pass	7.00	7.59		7.59	10.00	14.59	17.00
5700MHz	Pass	7.00	3.43		3.43	10.00	10.43	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	7.13		7.13	10.00	14.13	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	5.05		5.05	29.00	12.05	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.01	3.46	3.84	6.57	6.99	16.58	17.00
5300MHz	Pass	10.01	3.96	4.02	6.85	6.99	16.86	17.00
5320MHz	Pass	10.01	4.30	3.46	6.67	6.99	16.68	17.00
5500MHz	Pass	10.01	4.25	3.53	6.79	6.99	16.80	17.00
5580MHz	Pass	10.01	3.96	3.71	6.78	6.99	16.79	17.00
5700MHz	Pass	10.01	3.92	3.66	6.63	6.99	16.64	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.01	4.03	3.66	6.77	6.99	16.78	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	10.01	1.80	1.78	4.79	25.99	14.80	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	3.85		3.85	10.00	10.85	17.00
5310MHz	Pass	7.00	2.05		2.05	10.00	9.05	17.00
5510MHz	Pass	7.00	0.52		0.52	10.00	7.52	17.00
5550MHz	Pass	7.00	3.25		3.25	10.00	10.25	17.00
5670MHz	Pass	7.00	2.07		2.07	10.00	9.07	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	4.83		4.83	10.00	11.83	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	1.84		1.84	29.00	8.84	36.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.01	2.87	3.25	6.00	6.99	16.01	17.00
5310MHz	Pass	10.01	0.69	0.37	3.37	6.99	13.38	17.00
5510MHz	Pass	10.01	0.12	-0.62	2.78	6.99	12.79	17.00
5550MHz	Pass	10.01	2.34	2.13	5.21	6.99	15.22	17.00
5670MHz	Pass	10.01	1.15	0.80	3.99	6.99	14.00	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.01	3.89	3.64	6.67	6.99	16.68	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.01	0.85	0.96	3.89	25.99	13.90	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	-1.84		-1.84	10.00	5.16	17.00
5530MHz	Pass	7.00	-2.71		-2.71	10.00	4.29	17.00
5610MHz	Pass	7.00	-0.67		-0.67	10.00	6.33	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	0.00		0.00	10.00	7.00	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	-3.74		-3.74	29.00	3.26	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.01	-3.26	-3.29	-0.33	6.99	9.68	17.00
5530MHz	Pass	10.01	-3.64	-4.34	-0.98	6.99	9.03	17.00
5610MHz	Pass	10.01	-2.38	-2.69	0.46	6.99	10.47	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.01	-0.92	-1.24	1.83	6.99	11.84	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.01	-4.75	-4.79	-1.78	25.99	8.23	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.00	6.86		6.86	10.00	13.86	17.00
5300MHz	Pass	7.00	6.29		6.29	10.00	13.29	17.00
5320MHz	Pass	7.00	5.08		5.08	10.00	12.08	17.00
5500MHz	Pass	7.00	4.42		4.42	10.00	11.42	17.00
5580MHz	Pass	7.00	7.47		7.47	10.00	14.47	17.00
5700MHz	Pass	7.00	3.56		3.56	10.00	10.56	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	7.16		7.16	10.00	14.16	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.00	4.74		4.74	29.00	11.74	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	10.01	3.64	3.82	6.63	6.99	16.64	17.00
5300MHz	Pass	10.01	4.21	3.91	6.96	6.99	16.97	17.00
5320MHz	Pass	10.01	4.26	3.41	6.71	6.99	16.72	17.00
5500MHz	Pass	10.01	4.19	3.39	6.78	6.99	16.79	17.00
5580MHz	Pass	10.01	3.97	3.70	6.81	6.99	16.82	17.00
5700MHz	Pass	10.01	3.92	3.57	6.66	6.99	16.67	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.01	3.96	3.79	6.72	6.99	16.73	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	10.01	2.23	1.68	4.89	25.99	14.90	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.00	3.76		3.76	10.00	10.76	17.00
5310MHz	Pass	7.00	1.64		1.64	10.00	8.64	17.00
5510MHz	Pass	7.00	0.39		0.39	10.00	7.39	17.00
5550MHz	Pass	7.00	3.31		3.31	10.00	10.31	17.00
5670MHz	Pass	7.00	2.01		2.01	10.00	9.01	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	4.97		4.97	10.00	11.97	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5710MHz Straddle 5.725-5.85GHz	Pass	7.00	2.38		2.38	29.00	9.38	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	10.01	2.97	3.44	6.07	6.99	16.08	17.00
5310MHz	Pass	10.01	0.56	0.33	3.30	6.99	13.31	17.00
5510MHz	Pass	10.01	0.26	-0.52	2.85	6.99	12.86	17.00
5550MHz	Pass	10.01	2.35	2.13	5.22	6.99	15.23	17.00
5670MHz	Pass	10.01	1.30	0.84	4.05	6.99	14.06	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.01	4.00	3.67	6.76	6.99	16.77	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	10.01	1.02	0.91	3.95	25.99	13.96	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.00	-1.58		-1.58	10.00	5.42	17.00
5530MHz	Pass	7.00	-2.44		-2.44	10.00	4.56	17.00
5610MHz	Pass	7.00	-0.41		-0.41	10.00	6.59	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	0.28		0.28	10.00	7.28	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.00	-3.53		-3.53	29.00	3.47	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	10.01	-3.12	-2.99	-0.17	6.99	9.84	17.00
5530MHz	Pass	10.01	-3.33	-4.13	-0.76	6.99	9.25	17.00
5610MHz	Pass	10.01	-2.11	-2.37	0.68	6.99	10.69	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.01	-0.60	-0.93	2.14	6.99	12.15	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	10.01	-4.52	-4.63	-1.63	25.99	8.38	36.00

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

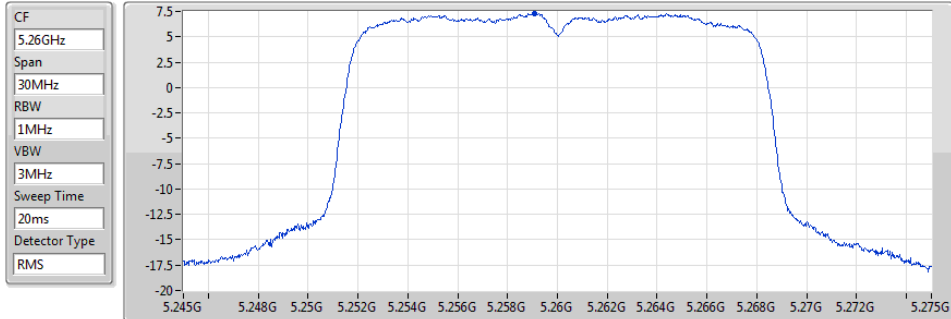
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5260MHz

04/12/2019



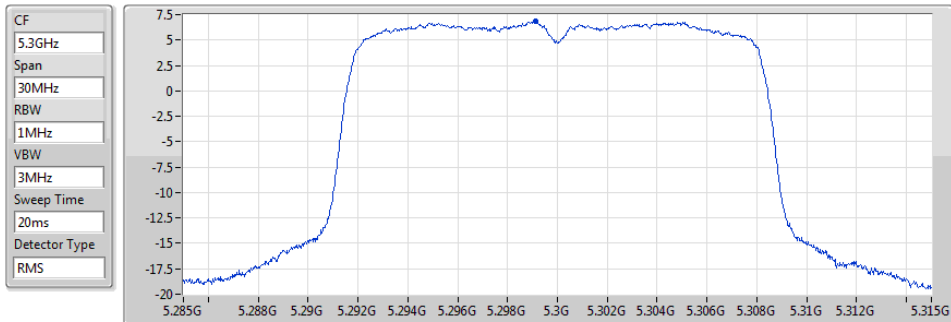
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.32	7.32	7.32

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5300MHz

04/12/2019



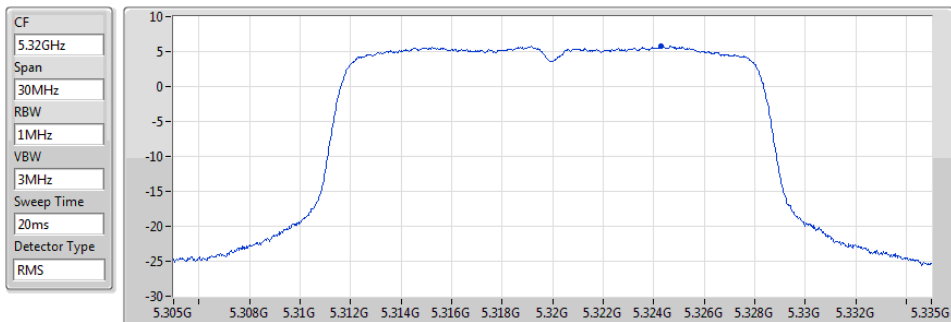
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.88	6.88	6.88

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5320MHz

04/12/2019



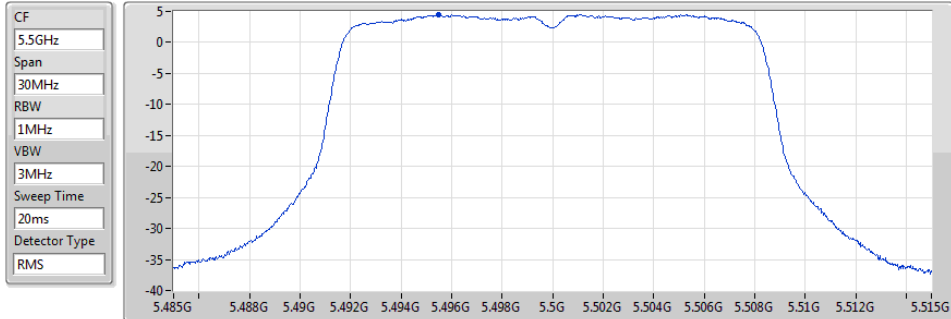
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.75	5.75	5.75

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5500MHz

04/12/2019



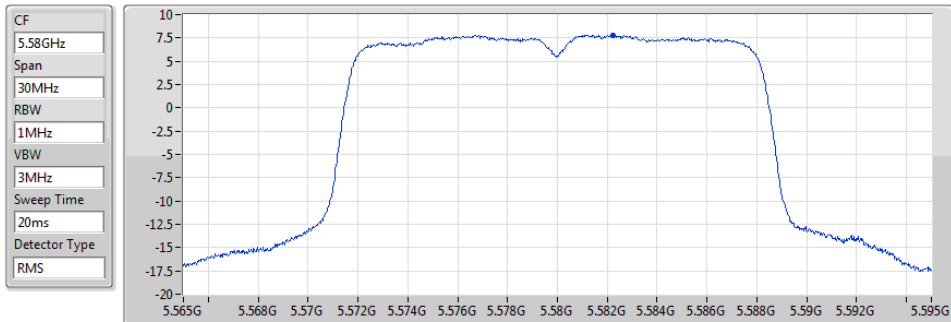
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.49	4.49	4.49

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5580MHz

04/12/2019



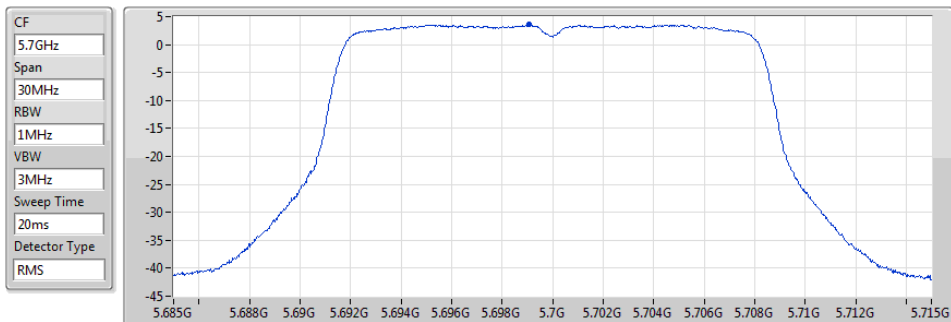
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.82	7.82	7.82

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5700MHz

04/12/2019



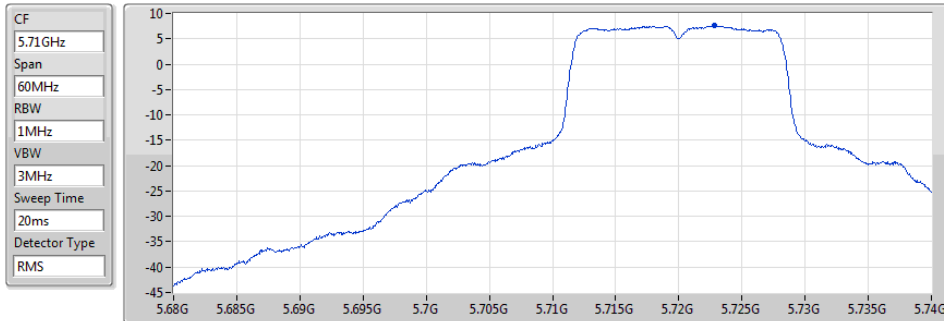
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.58	3.58	3.58

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019



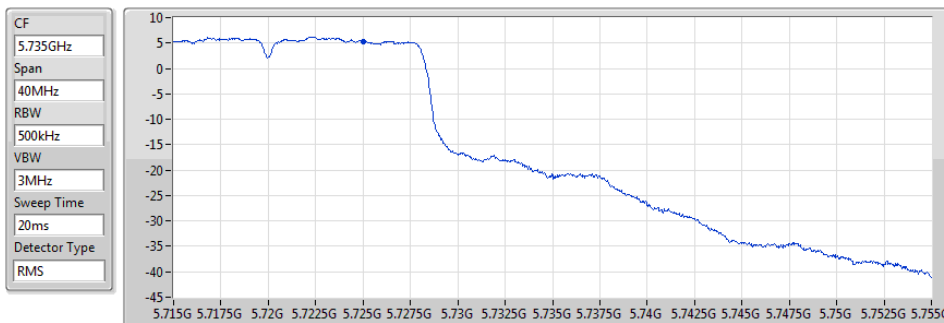
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.53	7.53	7.53

802.11a_Nss1,(6Mbps)_1TX(Port1)

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019



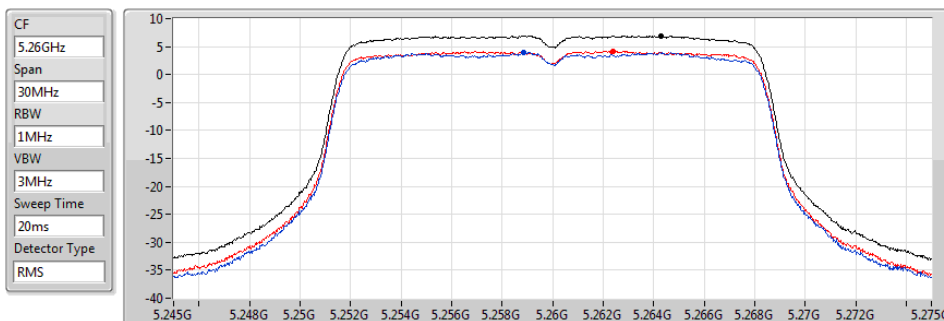
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.37	5.37	5.37

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

04/12/2019



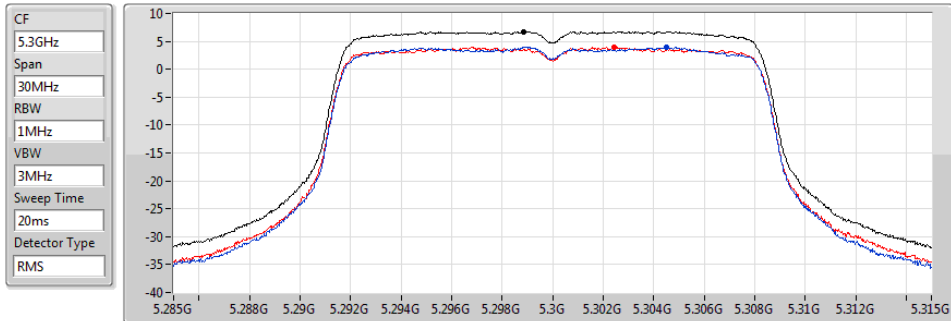
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.90	6.90	3.98	4.22

802.11a_Nss1,(6Mbps)_2TX

5300MHz

PSD

04/12/2019



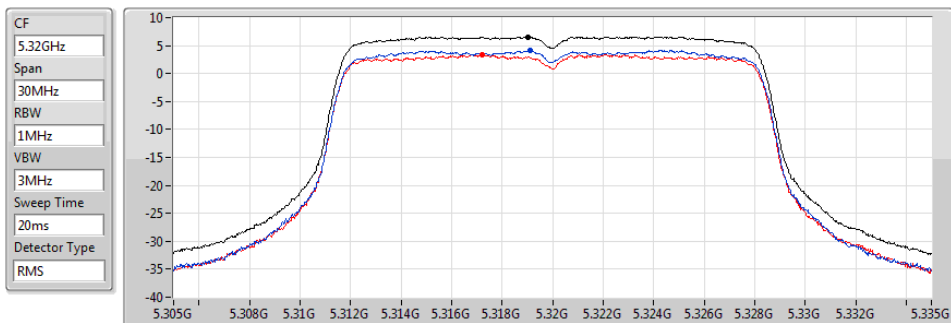
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.71	6.71	3.91	3.91

802.11a_Nss1,(6Mbps)_2TX

5320MHz

PSD

04/12/2019



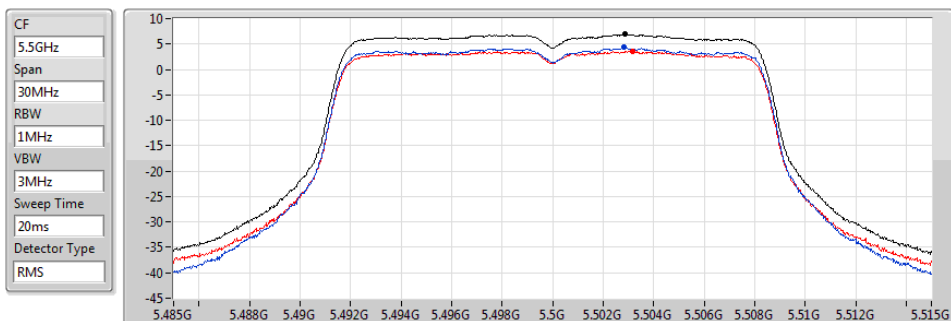
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.56	6.56	4.15	3.39

802.11a_Nss1,(6Mbps)_2TX

5500MHz

PSD

04/12/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.90	6.90	4.33	3.53

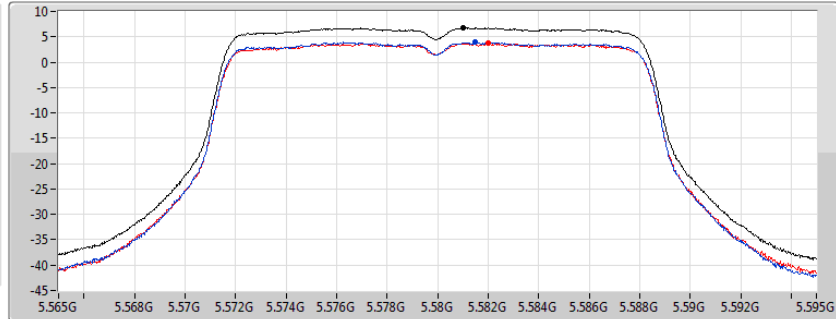
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

04/12/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.74	6.74	3.91	3.68

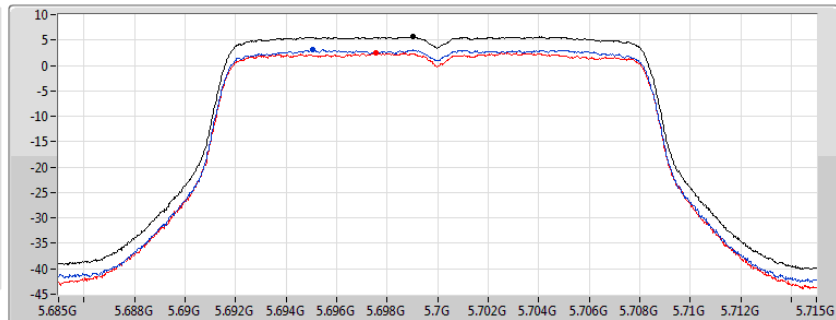
802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

04/12/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.70	5.70	3.10	2.44

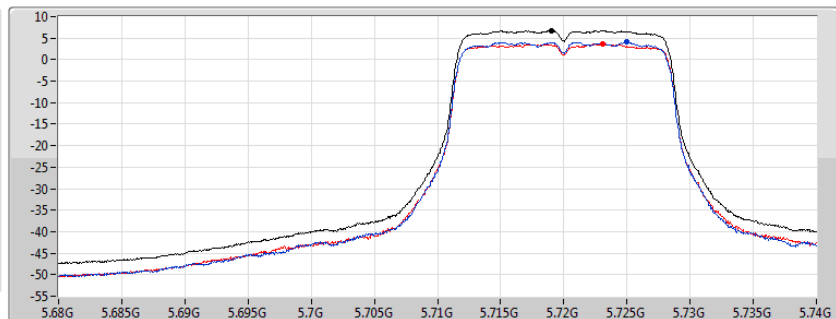
802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

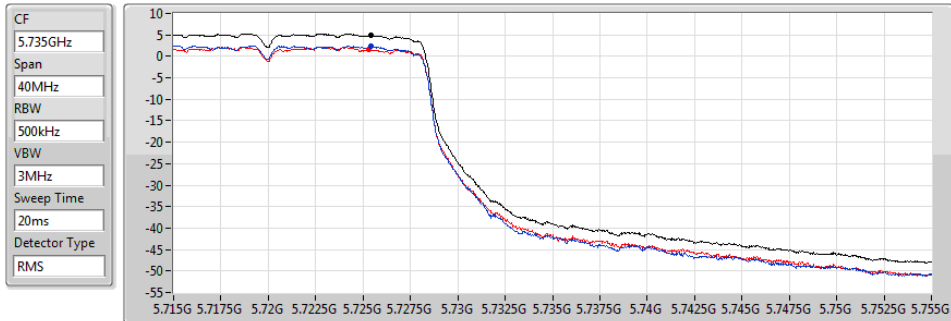
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	4.05	3.67

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

04/12/2019



Sum
Port 1
Port 2

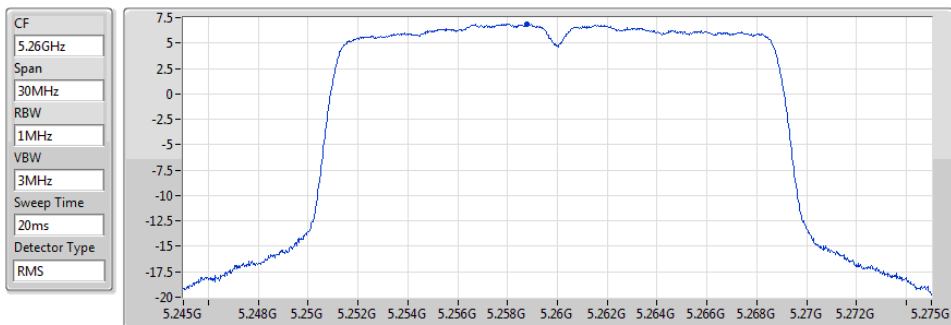
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.94	4.94	2.35	1.56

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5260MHz

PSD

04/12/2019



Port 1

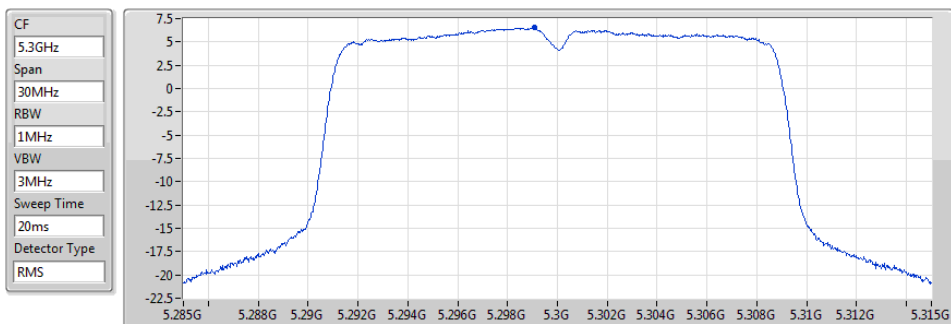
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.88	6.88	6.88

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5300MHz

PSD

04/12/2019



Port 1

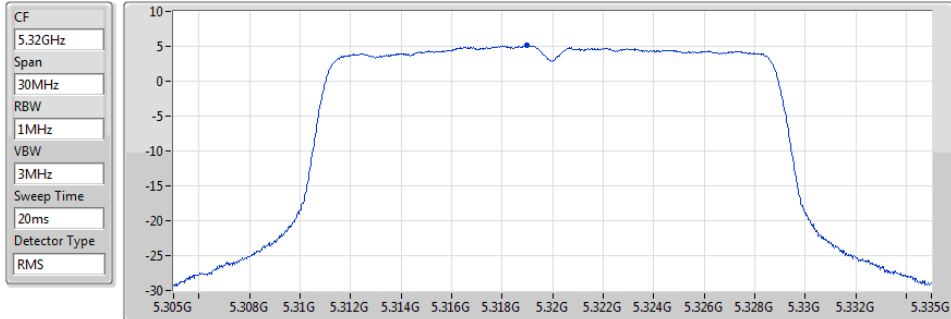
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.52	6.52	6.52

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5320MHz

04/12/2019



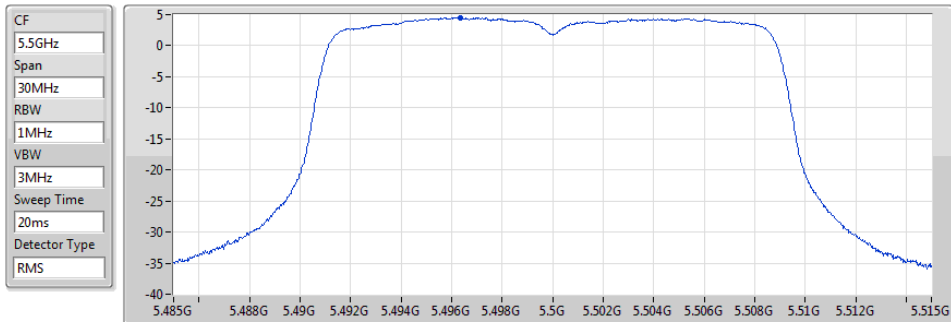
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.08	5.08	5.08

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5500MHz

04/12/2019



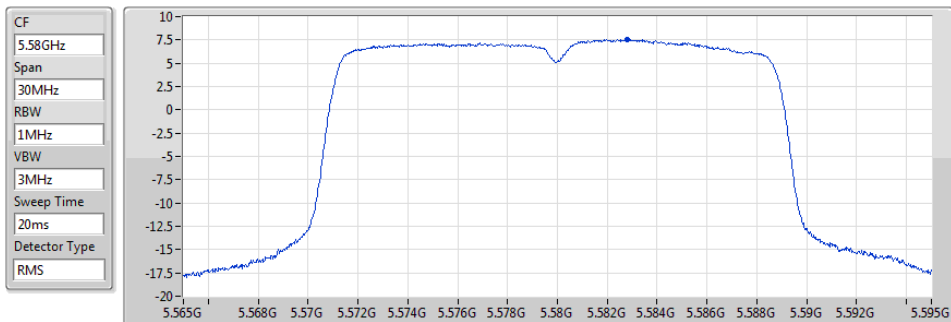
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.48	4.48	4.48

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5580MHz

04/12/2019



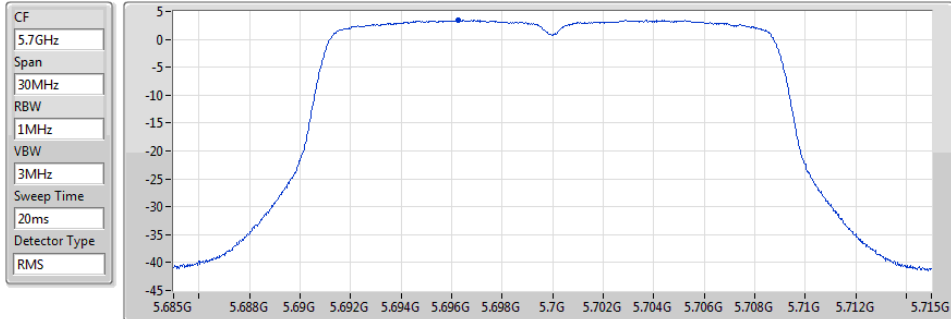
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.59	7.59	7.59

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5700MHz

04/12/2019

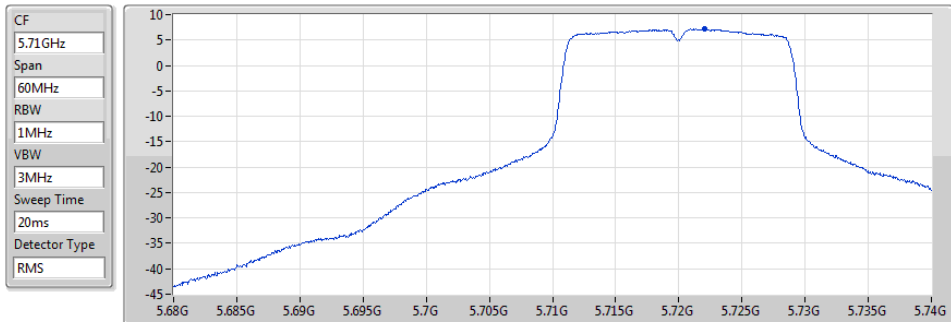


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019

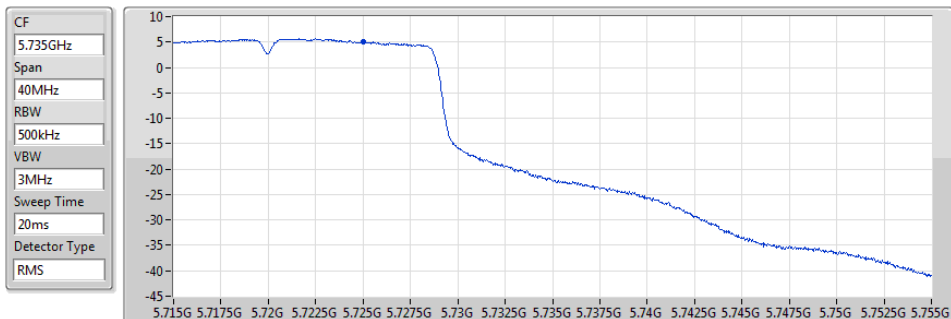


802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019

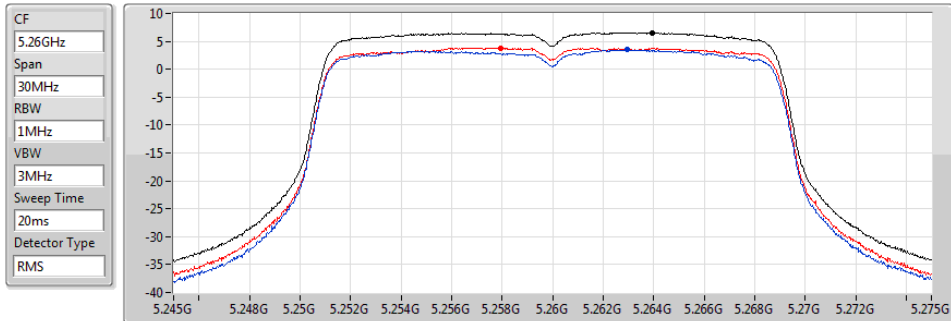


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

04/12/2019



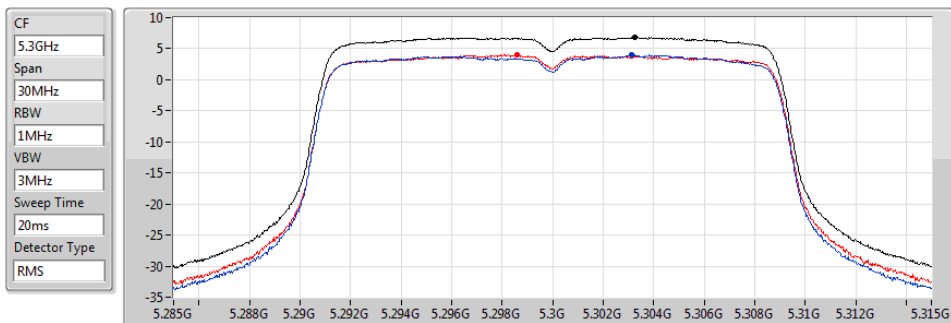
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.57	6.57	3.46	3.84

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

04/12/2019



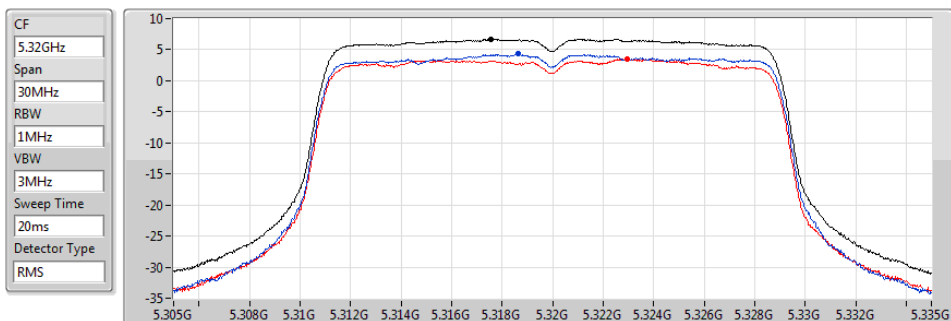
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.85	6.85	3.96	4.02

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

04/12/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.67	6.67	4.30	3.46

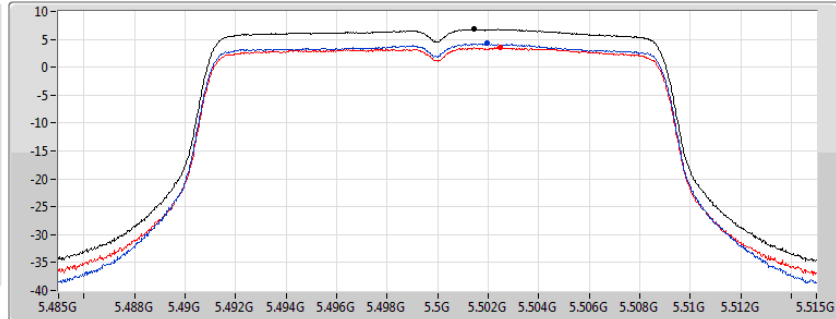
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

04/12/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.79	6.79	4.25	3.53

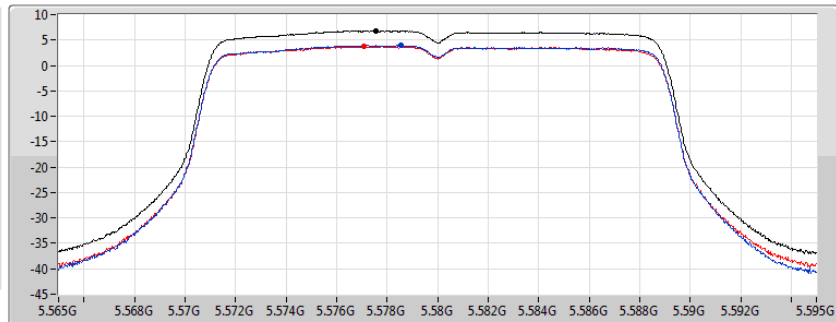
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

04/12/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.78	6.78	3.96	3.71

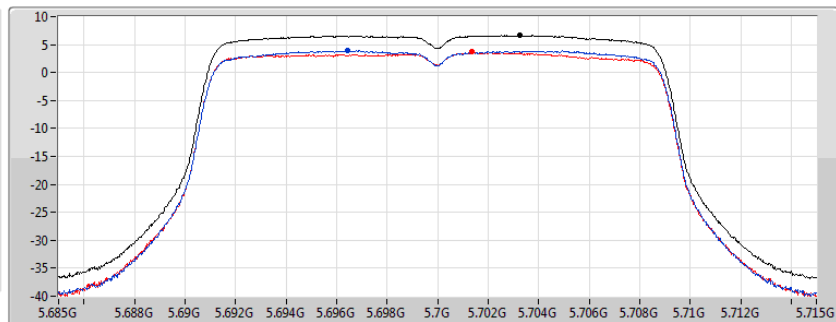
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

04/12/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

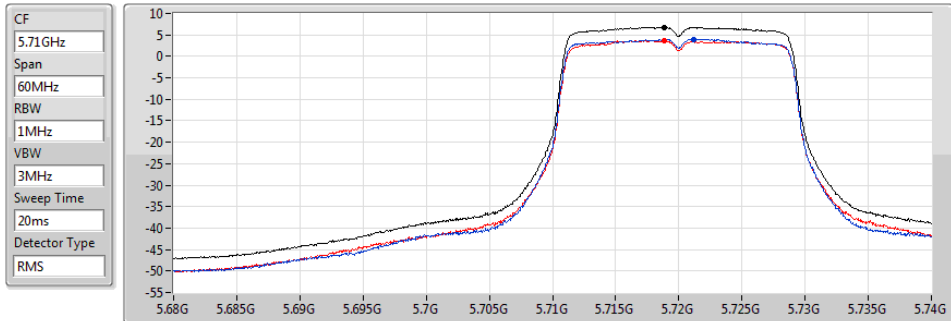
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	3.92	3.66

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

PSD

04/12/2019



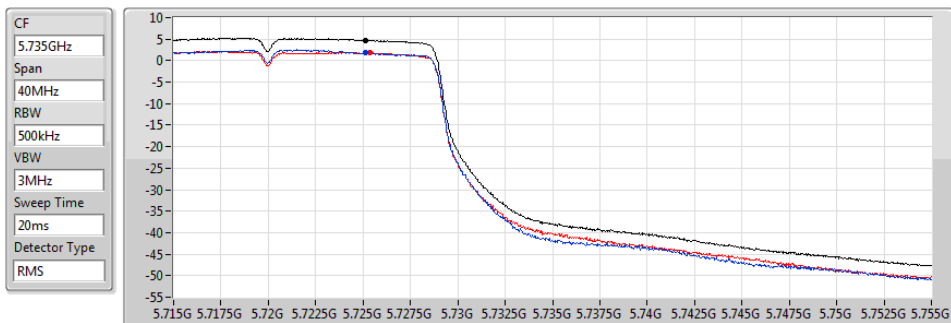
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.77	6.77	4.03	3.66

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

04/12/2019



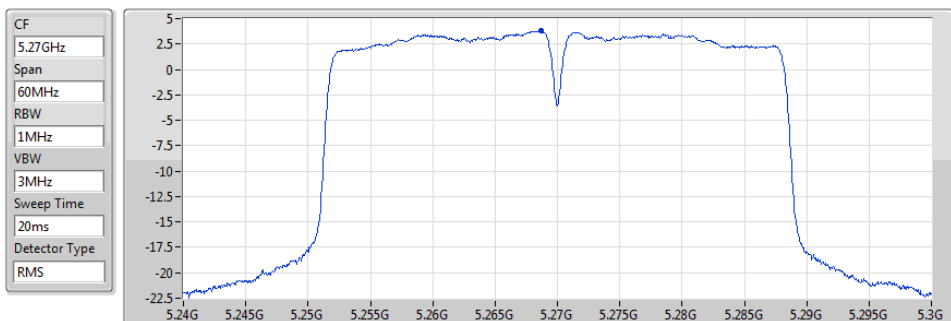
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.79	4.79	1.80	1.78

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

5270MHz

PSD

04/12/2019



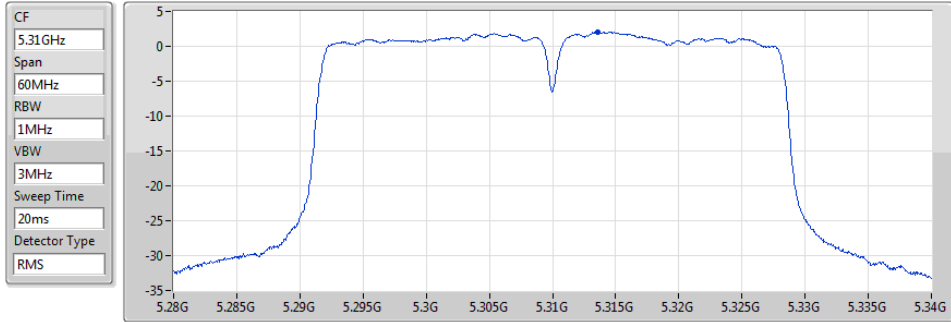
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.85	3.85	3.85

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5310MHz

04/12/2019



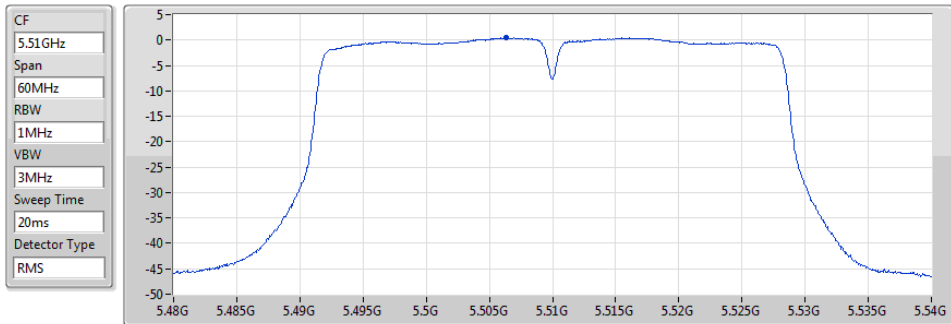
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.05	2.05	2.05

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5510MHz

04/12/2019



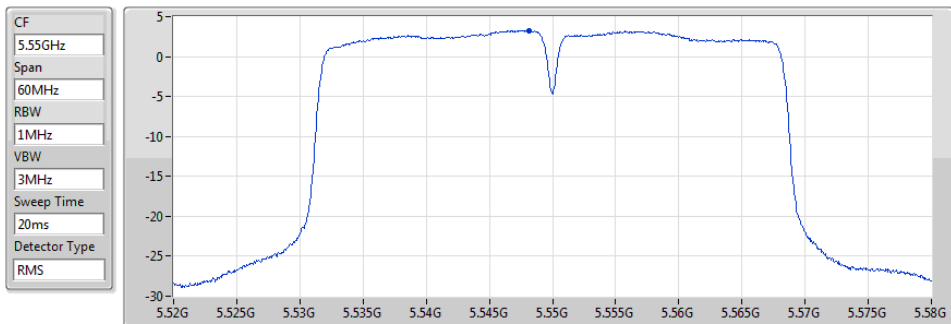
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.52	0.52	0.52

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5550MHz

04/12/2019



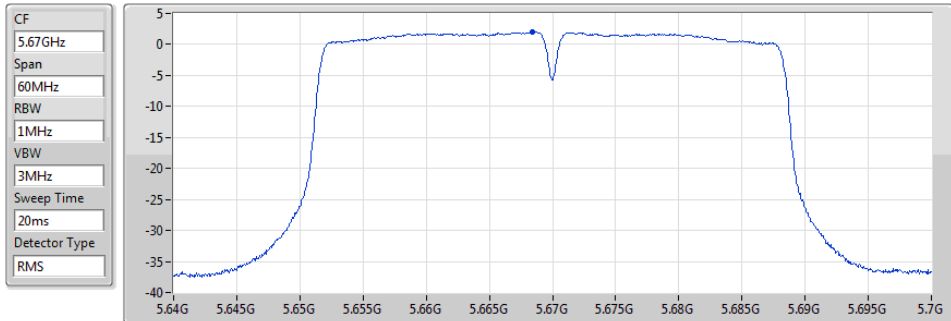
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.25	3.25	3.25

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5670MHz

04/12/2019



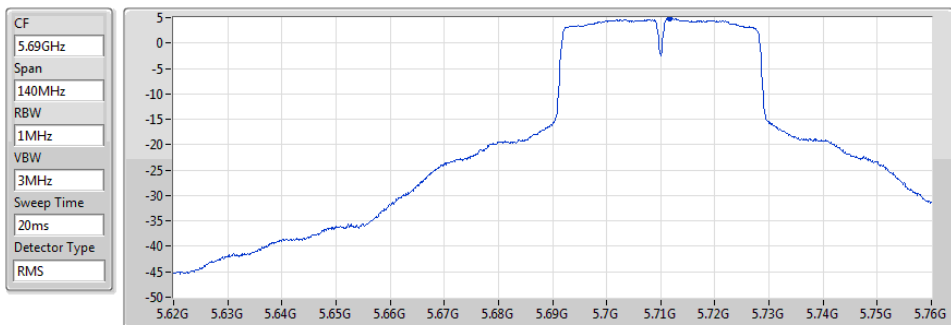
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.07	2.07	2.07

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5710MHz Straddle 5.47-5.725GHz

04/12/2019



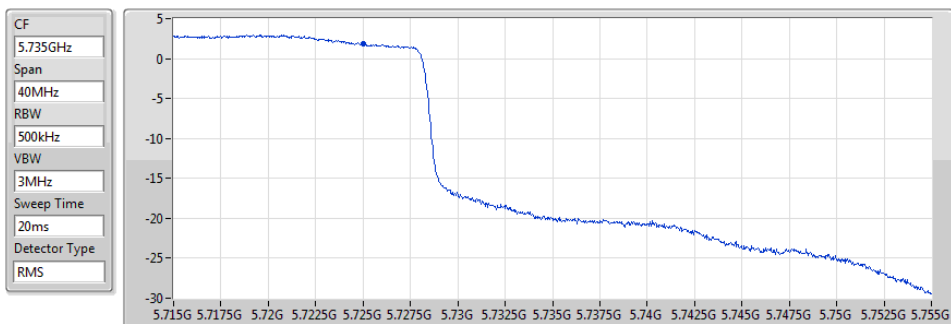
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.83	4.83	4.83

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

PSD

5710MHz Straddle 5.725-5.85GHz

04/12/2019



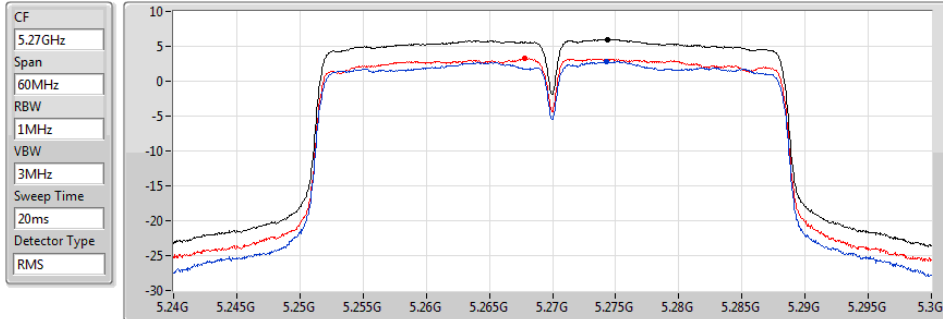
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.84	1.84	1.84

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

04/12/2019



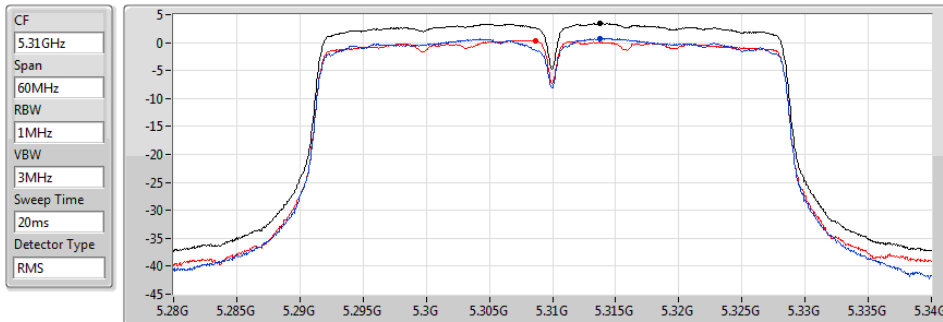
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	2.87	3.25

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5310MHz

04/12/2019



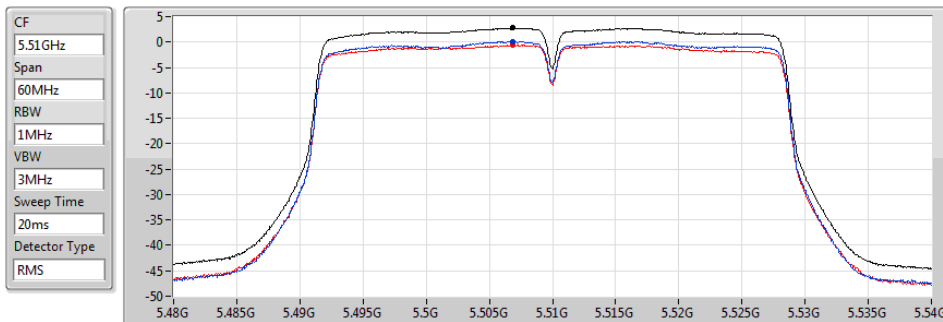
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.37	3.37	0.69	0.37

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

04/12/2019



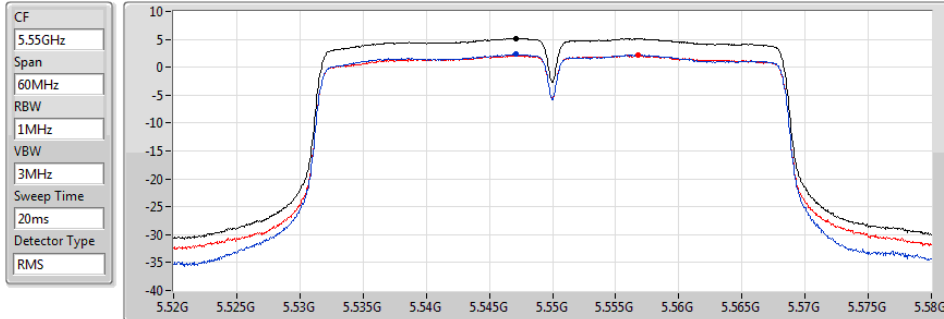
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	0.12	-0.62

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

04/12/2019



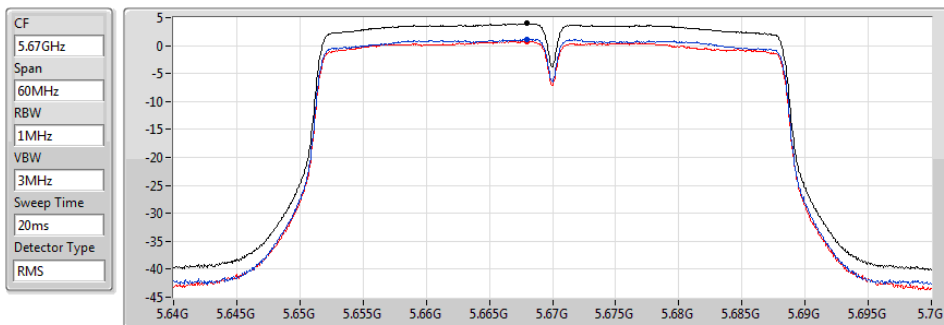
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.21	5.21	2.34	2.13

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

04/12/2019



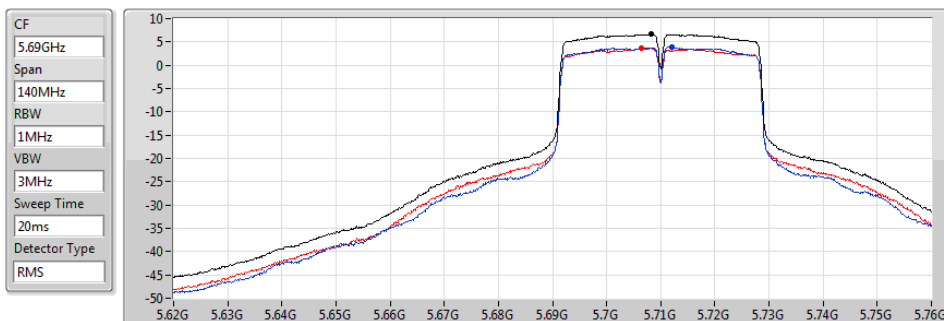
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.99	3.99	1.15	0.80

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

04/12/2019



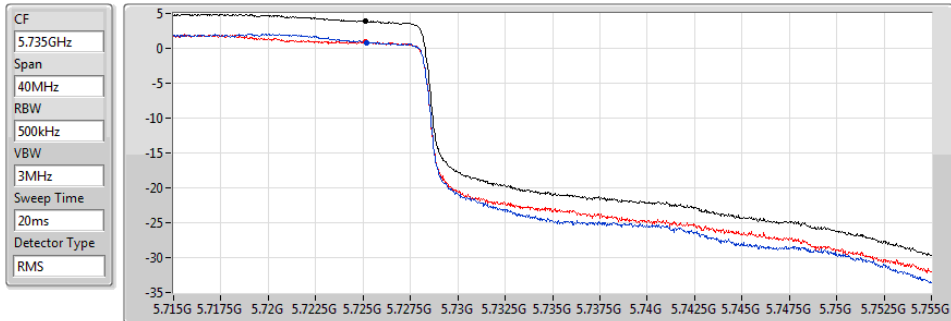
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.67	6.67	3.89	3.64

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

04/12/2019



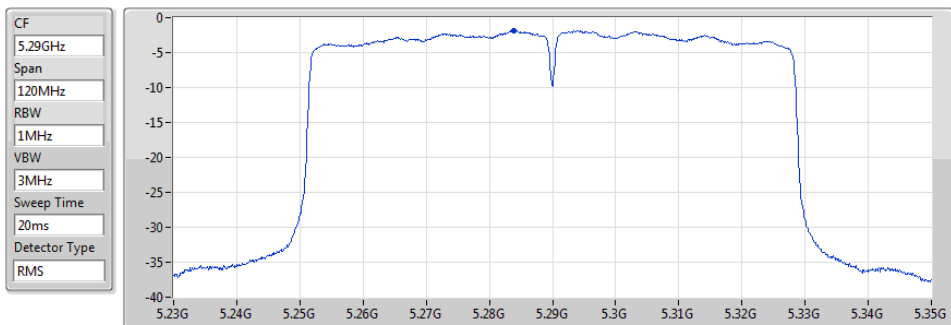
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.89	3.89	0.85	0.96

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5290MHz

PSD

04/12/2019



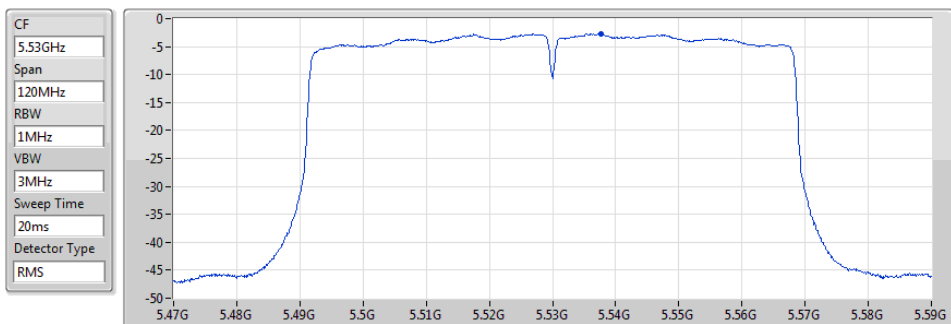
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.84	-1.84	-1.84

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5530MHz

PSD

04/12/2019



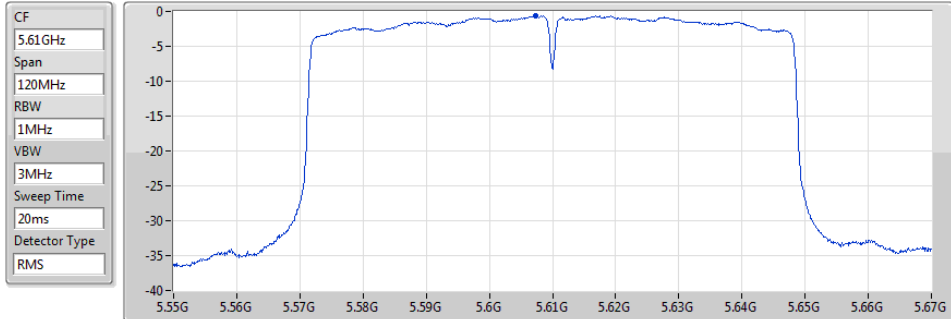
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.71	-2.71	-2.71

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

PSD

5610MHz

04/12/2019



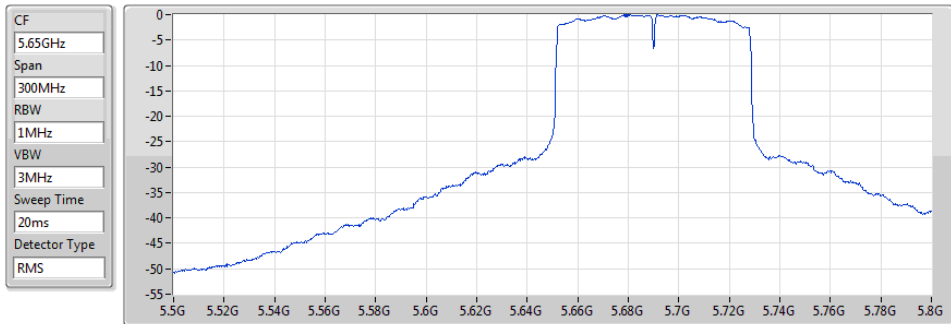
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.67	-0.67	-0.67

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

PSD

5690MHz Straddle 5.47-5.725GHz

04/12/2019



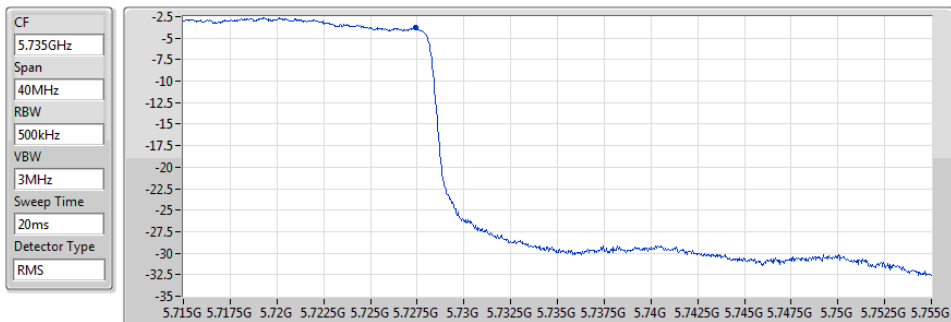
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.00	0.00	0.00

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

PSD

5690MHz Straddle 5.725-5.85GHz

04/12/2019



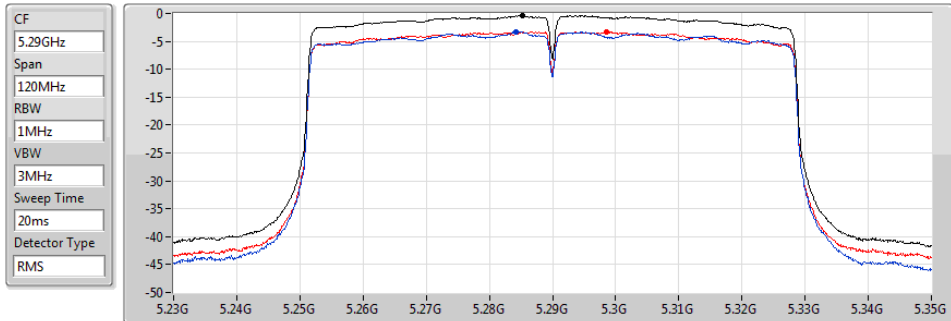
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.74	-3.74	-3.74

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

04/12/2019



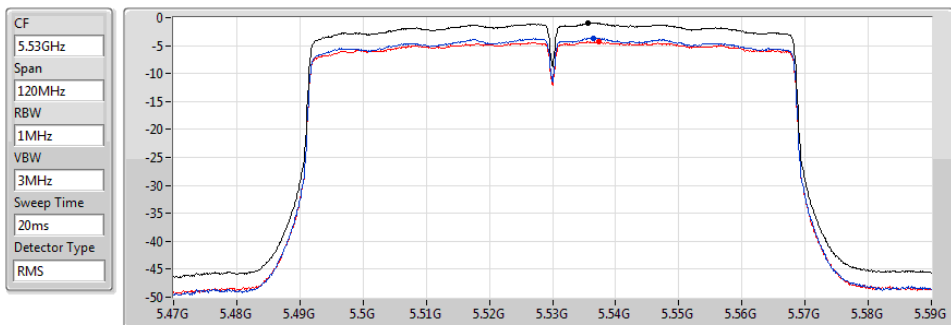
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.33	-0.33	-3.26	-3.29

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

04/12/2019



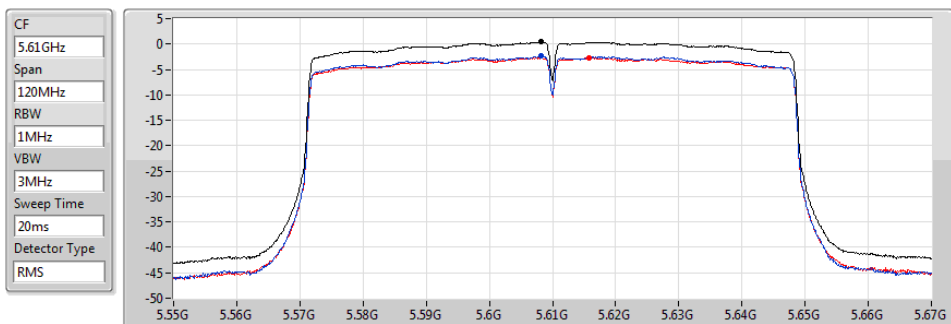
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.98	-0.98	-3.64	-4.34

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

04/12/2019



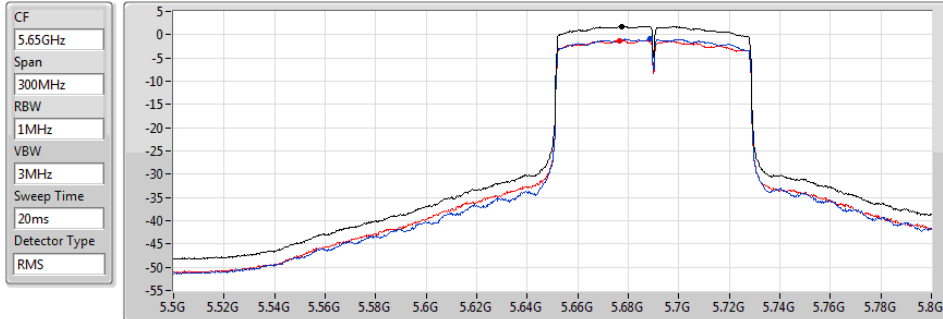
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.46	0.46	-2.38	-2.69

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

04/12/2019



Sum
Port 1
Port 2

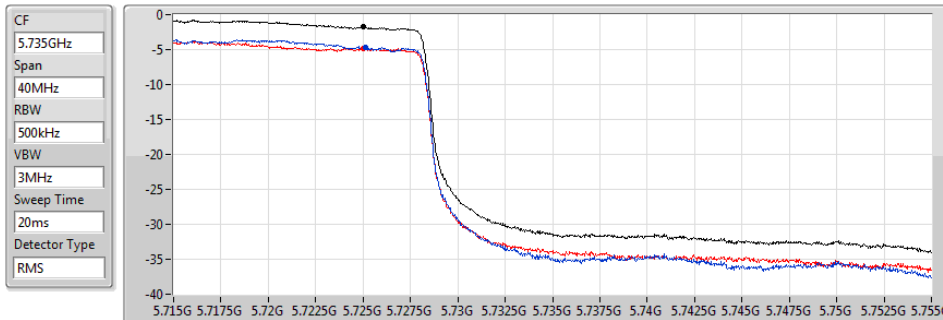
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.83	1.83	-0.92	-1.24

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

04/12/2019



Sum
Port 1
Port 2

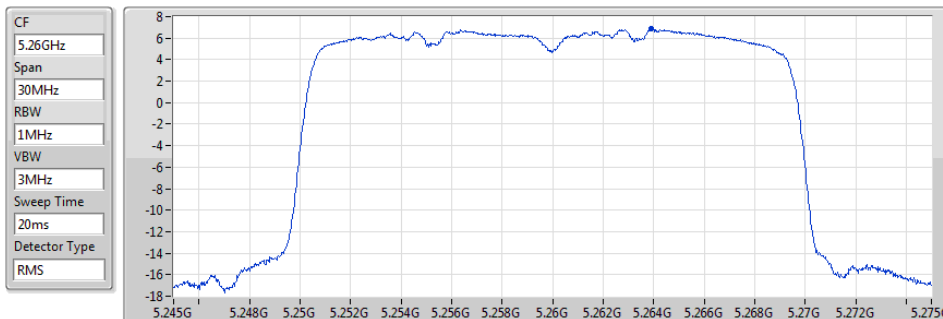
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.78	-1.78	-4.75	-4.79

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5260MHz

04/12/2019



Port 1

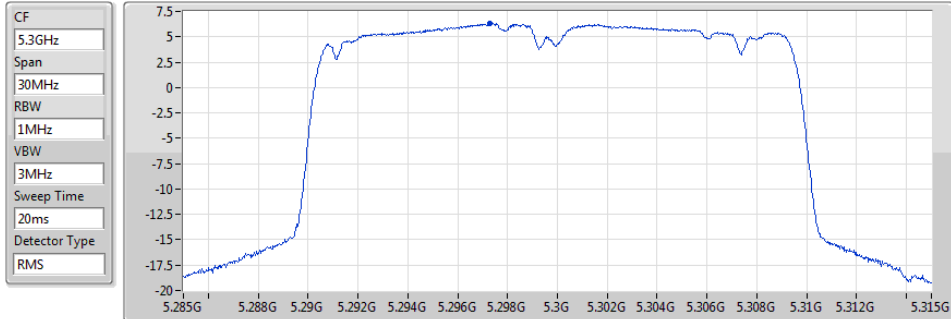
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.86	6.86	6.86

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5300MHz

04/12/2019



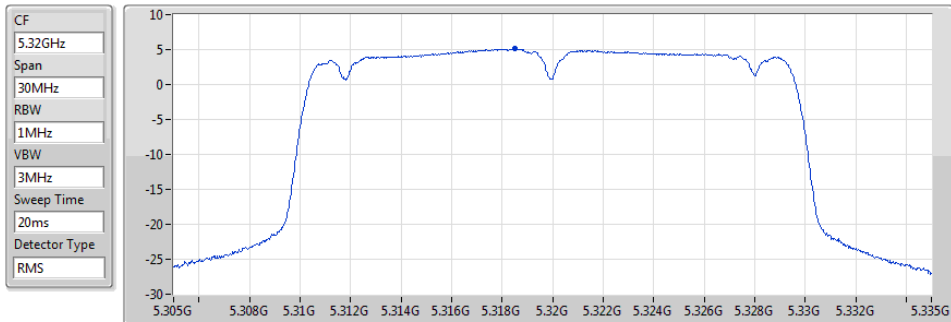
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.29	6.29	6.29

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5320MHz

04/12/2019



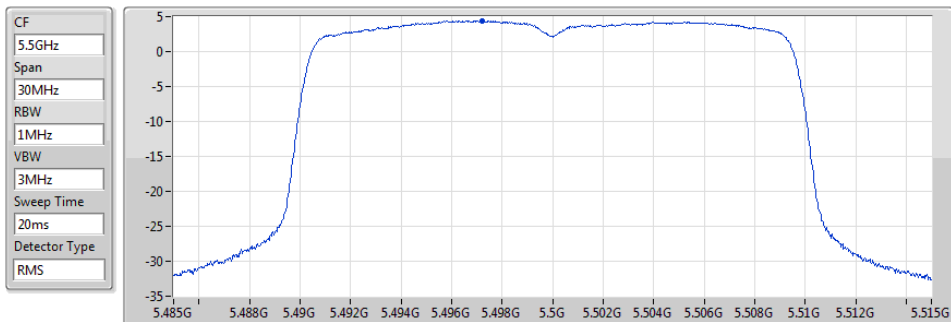
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.08	5.08	5.08

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5500MHz

04/12/2019



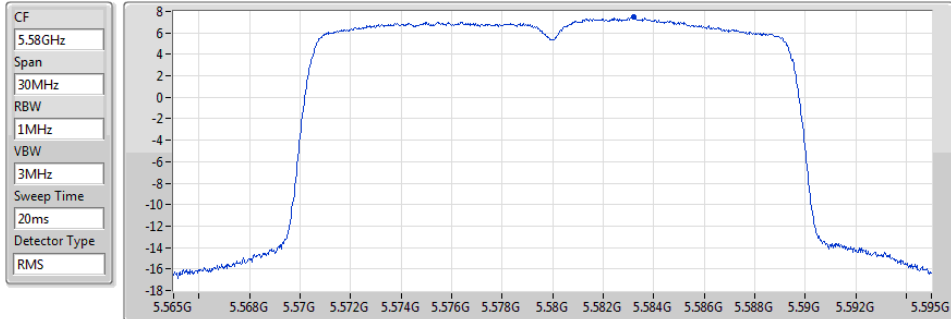
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.42	4.42	4.42

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5580MHz

04/12/2019



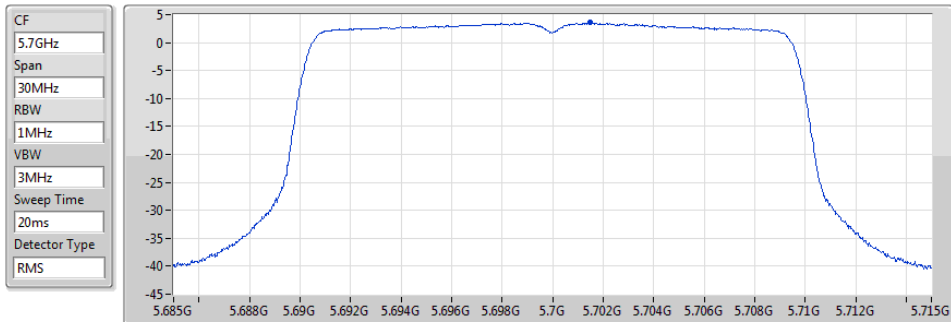
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.47	7.47	7.47

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5700MHz

04/12/2019



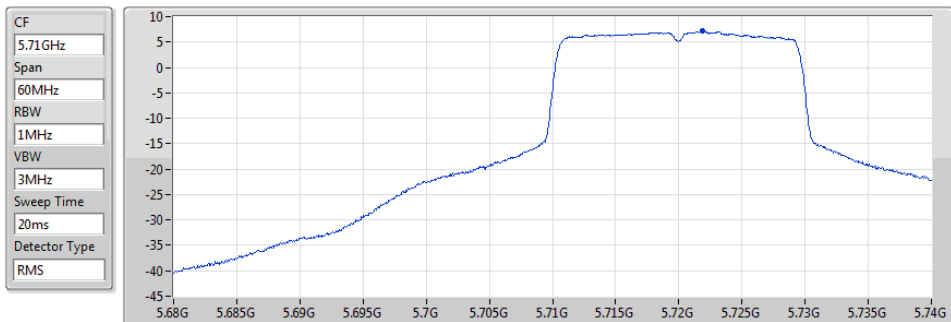
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.56	3.56	3.56

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019



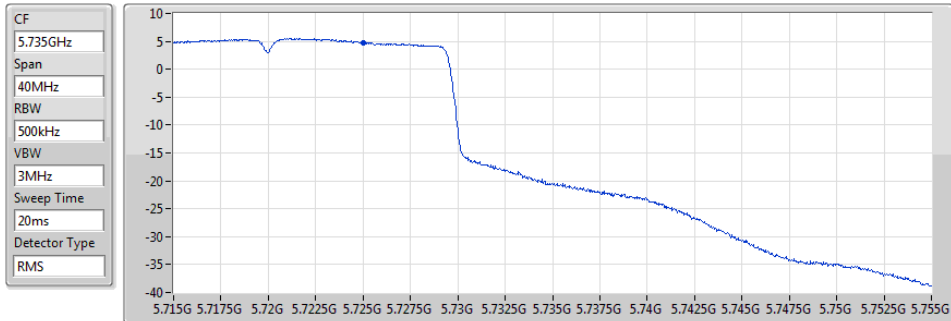
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.16	7.16	7.16

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019



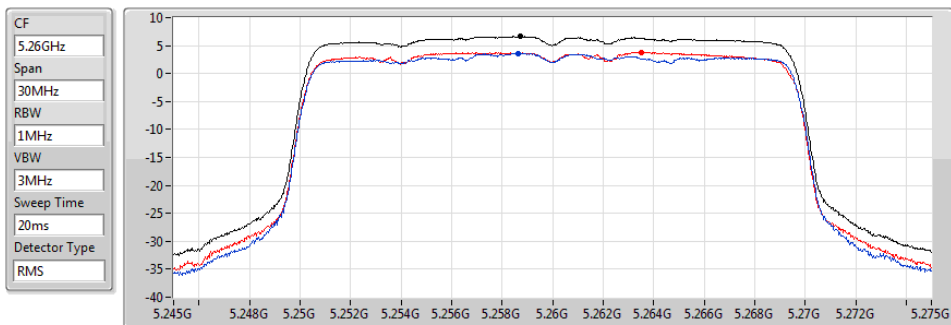
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.74	4.74	4.74

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

04/12/2019



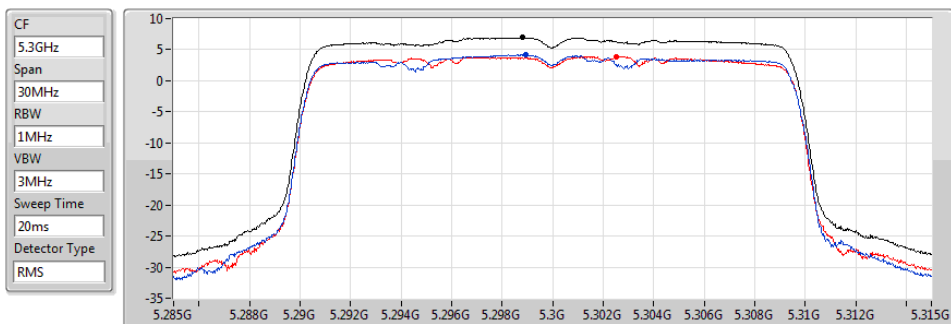
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	3.64	3.82

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

04/12/2019



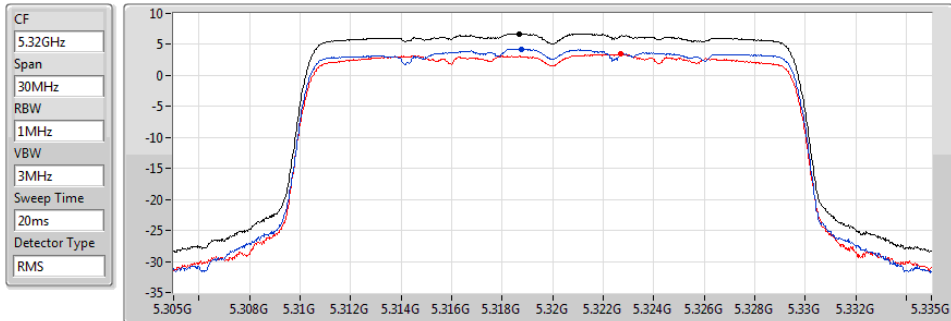
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.96	6.96	4.21	3.91

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

04/12/2019



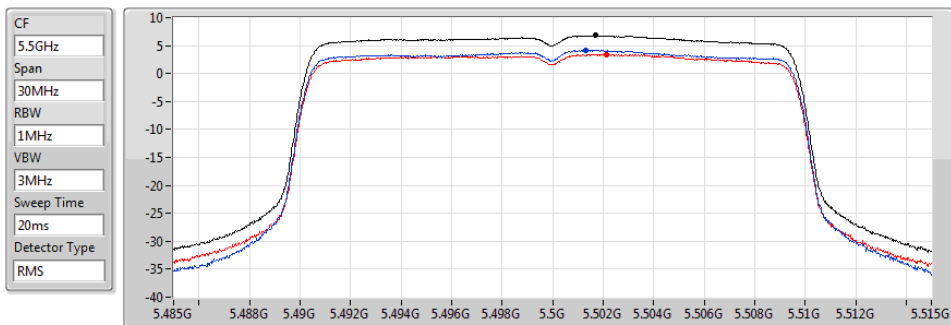
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.71	6.71	4.26	3.41

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

04/12/2019



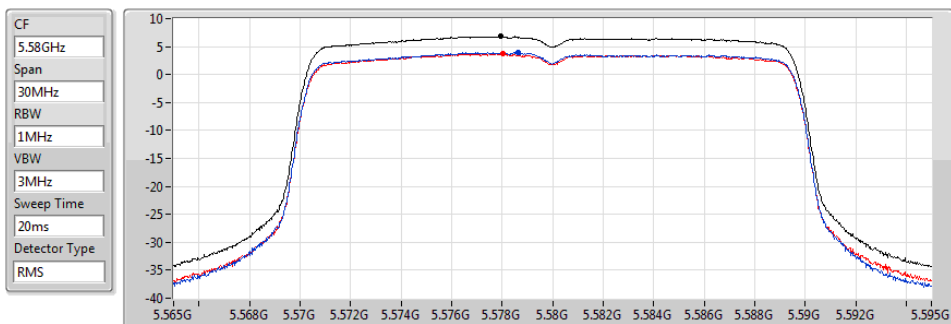
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.78	6.78	4.19	3.39

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

04/12/2019



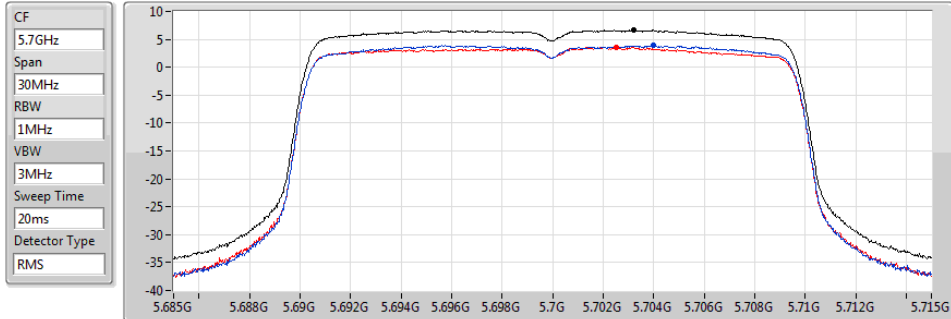
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.81	6.81	3.97	3.70

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

04/12/2019



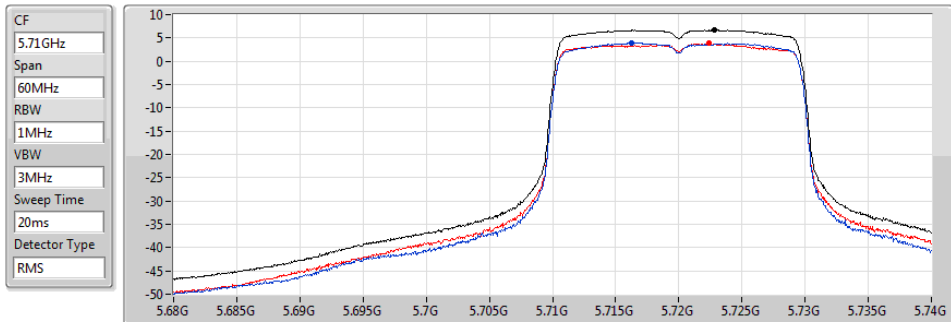
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.66	6.66	3.92	3.57

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

04/12/2019



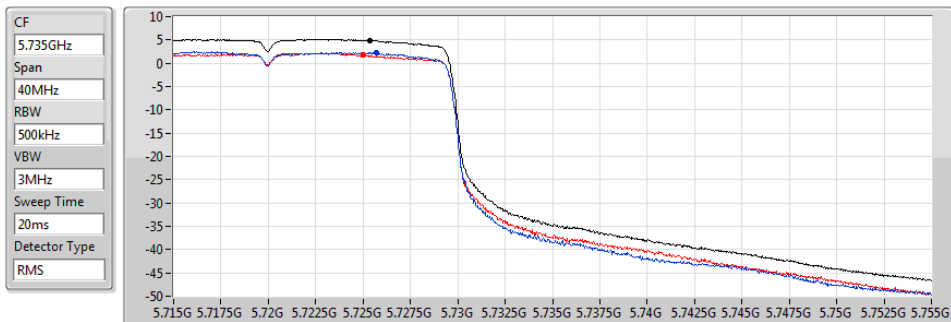
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.72	6.72	3.96	3.79

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

04/12/2019



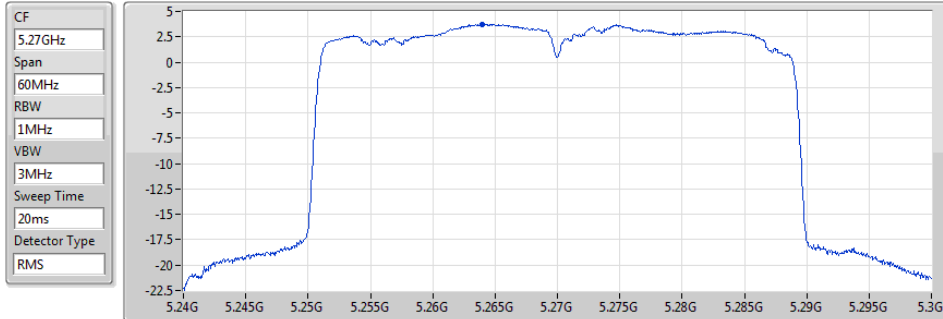
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.89	4.89	2.23	1.68

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5270MHz

04/12/2019



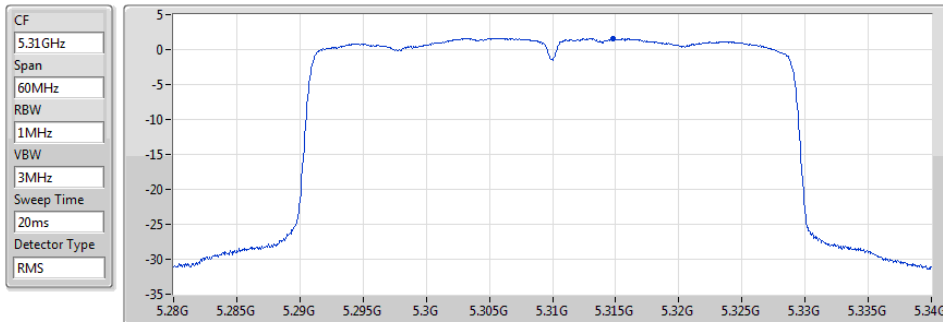
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.76	3.76	3.76

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5310MHz

04/12/2019



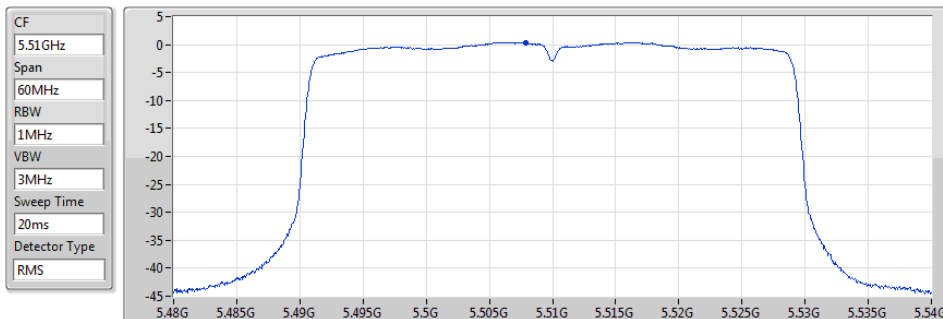
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.64	1.64	1.64

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5510MHz

04/12/2019



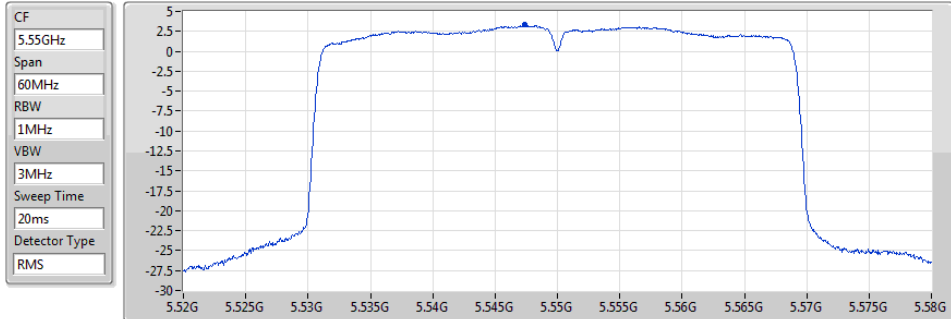
Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.39	0.39	0.39

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5550MHz

04/12/2019

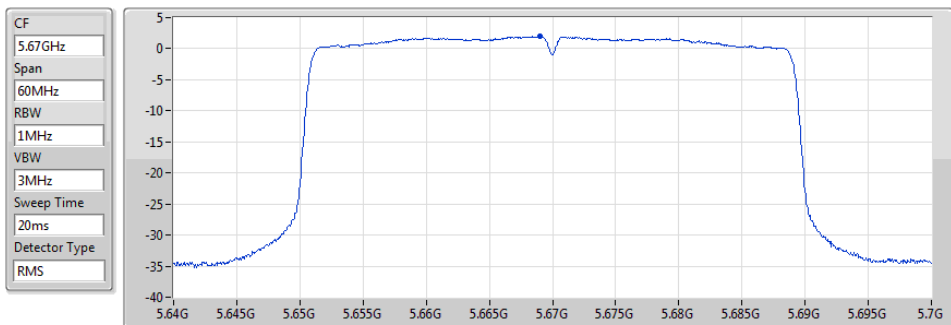


802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5670MHz

04/12/2019

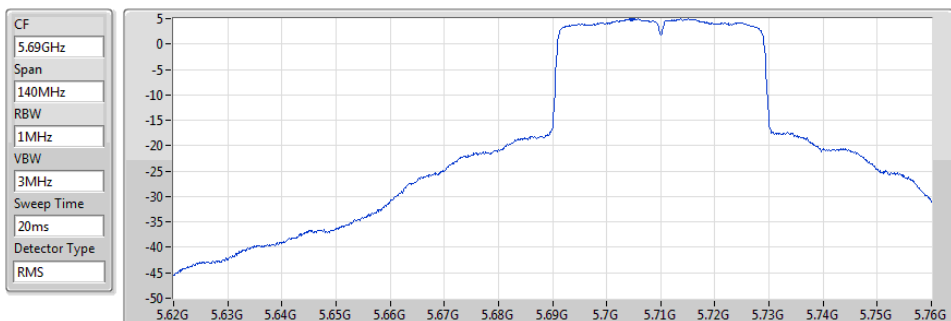


802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5710MHz Straddle 5.47-5.725GHz

04/12/2019

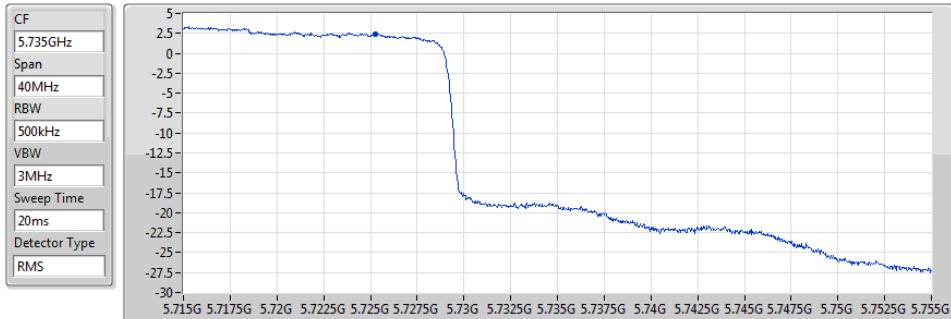


802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

PSD

5710MHz Straddle 5.725-5.85GHz

04/12/2019



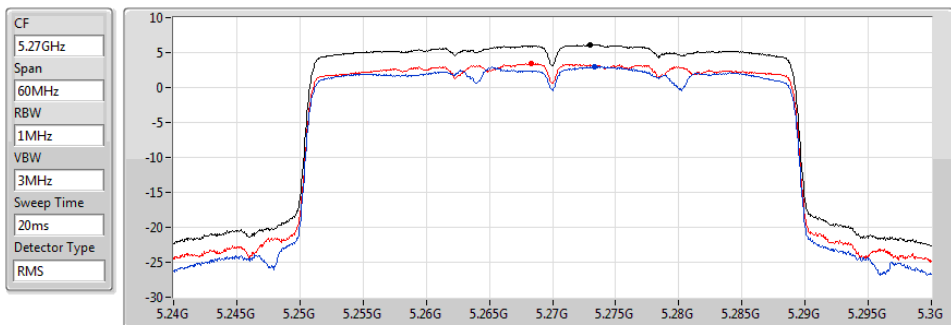
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.38	2.38	2.38

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

04/12/2019



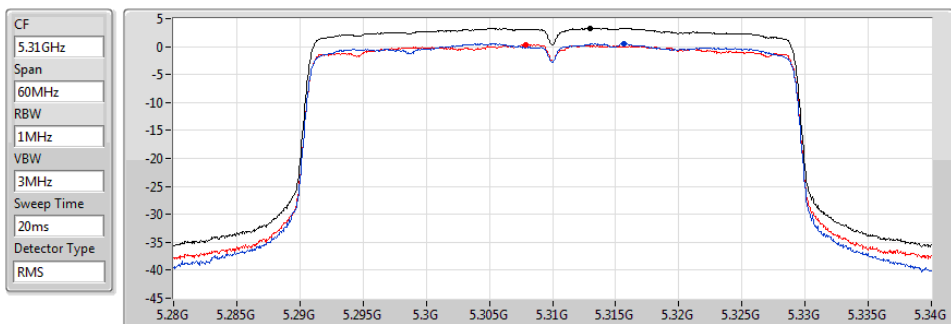
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	2.97	3.44

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

04/12/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.30	3.30	0.56	0.33