

Appendix A - Conducted Power Measurements

WLAN 2.4 GHz on Laptop Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	18.32	18.50	18.18	18.50	21.01	21.50
	6	2437	18.44	18.50	18.26	18.50	21.16	21.50
	11	2462	18.12	18.50	18.20	18.50	21.11	21.50
	12	2467	18.39	18.50	18.18	18.50	21.11	21.50
	13	2472	18.31	18.50	18.20	18.50	21.13	21.50
802.11g	1	2412	16.85	17.00	16.82	17.00	19.84	20.00
	6	2437	18.33	18.50	18.32	18.50	21.33	21.50
	11	2462	16.82	17.00	16.78	17.00	19.80	20.00
	12	2467	11.77	12.00	11.88	12.00	14.80	15.00
	13	2472	6.85	7.00	6.85	7.00	9.85	10.00
802.11n HT20	1	2412	16.32	16.50	16.32	16.50	19.32	19.50
	6	2437	17.75	18.00	17.85	18.00	20.80	21.00
	11	2462	16.33	16.50	16.32	16.50	19.34	19.50
	12	2467	9.88	10.00	9.91	10.00	12.90	13.00
	13	2472	5.32	5.50	5.22	5.50	8.27	8.50
802.11n HT40	3	2422	14.89	15.00	14.85	15.00	17.87	18.00
	6	2437	15.85	16.00	15.87	16.00	18.85	19.00
	9	2452	14.82	15.00	14.77	15.00	17.82	18.00
	10	2457	8.32	8.50	8.22	8.50	11.27	11.50
	11	2462	6.33	6.50	6.32	6.50	9.32	9.50
802.11ax HE20	1	2412	16.85	17.00	16.85	17.00	19.85	20.00
	6	2437	17.84	18.00	17.82	18.00	20.83	21.00
	11	2462	16.33	16.50	16.29	16.50	19.31	19.50
	12	2467	10.22	10.50	10.32	10.50	13.31	13.50
	13	2472	5.95	6.00	5.85	6.00	8.94	9.00
802.11ax HE40	3	2422	14.78	15.00	14.88	15.00	17.85	18.00
	6	2437	15.85	16.00	15.85	16.00	18.85	19.00
	9	2452	14.85	15.00	14.87	15.00	17.85	18.00
	10	2457	8.32	8.50	8.29	8.50	11.36	11.50
	11	2462	6.33	6.50	6.25	6.50	9.29	9.50

WLAN 5.2 GHz on Laptop Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	14.77	15.00	15.34	15.50	18.17	18.25
	40	5200	14.75	15.00	16.85	17.00	18.97	19.00
	44	5220	14.69	15.00	17.78	18.00	19.31	19.50
	48	5240	14.82	15.00	18.35	18.50	19.68	19.75
802.11n HT20	36	5180	14.87	15.00	14.77	15.50	17.77	18.25
	40	5200	14.74	15.00	16.85	17.00	18.89	19.00
	44	5220	14.69	15.00	17.32	17.50	19.01	19.25
	48	5240	14.65	15.00	17.88	18.00	19.27	19.50
802.11n HT40	38	5190	14.82	15.00	14.85	15.00	17.85	18.00
	46	5230	14.91	15.00	17.36	17.50	19.12	19.40
802.11ac VHT80	42	5210	13.85	14.00	13.77	14.00	16.80	17.00
802.11ax HE20	36	5180	14.77	15.00	15.87	16.00	18.25	18.50
	40	5200	14.85	15.00	16.82	17.00	18.82	19.00
	44	5220	14.81	15.00	17.32	17.50	19.03	19.25
	48	5240	14.87	15.00	17.88	18.00	19.35	19.50
802.11ax HE40	38	5190	14.88	15.00	14.92	15.00	17.85	18.00
	46	5230	14.67	15.00	17.29	17.50	18.97	19.25
802.11ax HE80	42	5210	13.75	14.00	13.84	14.00	16.77	17.00

WLAN 5.3 GHz on Laptop Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	14.77	15.00	14.42	14.50	17.62	17.75
	56	5280	14.75	15.00	14.48	14.50	17.53	17.75
	60	5300	14.72	15.00	14.39	14.50	17.57	17.75
	64	5320	14.72	15.00	14.36	14.50	17.62	17.75
802.11n HT20	52	5260	14.81	15.00	14.22	14.50	17.56	17.75
	56	5280	14.73	15.00	14.21	14.50	17.47	17.75
	60	5300	14.77	15.00	14.26	14.50	17.52	17.75
	64	5320	14.79	15.00	14.35	14.50	17.55	17.75
802.11n HT40	54	5270	14.84	15.00	14.88	15.00	17.97	18.00
	62	5310	14.81	15.00	14.78	15.00	17.91	18.00
802.11ac VHT80	58	5290	13.81	14.00	13.82	14.00	16.72	17.00
802.11ax HE20	52	5260	14.88	15.00	14.25	14.50	17.57	17.75
	56	5280	14.74	15.00	14.26	14.50	17.52	17.75
	60	5300	14.69	15.00	14.32	14.50	17.42	17.75
	64	5320	14.71	15.00	14.25	14.50	17.50	17.75
802.11ax HE40	54	5270	14.62	15.00	14.69	15.00	17.87	18.00
	62	5310	14.77	15.00	14.69	15.00	17.68	18.00
802.11ax HE80	58	5290	13.88	14.00	13.75	14.00	16.78	17.00

WLAN 5.6 GHz on Laptop Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	16.24	16.50	16.45	16.50	19.45	19.50
	116	5580	17.35	17.50	17.36	17.50	20.38	20.50
	124	5620	17.32	17.50	17.33	17.50	20.32	20.50
	132	5660	17.48	17.50	17.49	17.50	20.43	20.50
	140	5700	17.30	17.50	17.38	17.50	20.28	20.50
	144	5720	17.34	17.50	17.42	17.50	20.38	20.50
802.11n HT20	100	5500	16.35	16.50	16.32	16.50	19.35	19.50
	116	5580	17.32	17.50	17.42	17.50	20.29	20.50
	124	5620	17.29	17.50	17.41	17.50	20.27	20.50
	132	5660	17.38	17.50	17.35	17.50	20.33	20.50
	140	5700	16.85	17.00	16.87	17.00	19.86	20.00
	144	5720	17.41	17.50	17.39	17.50	20.25	20.50
802.11n HT40	102	5510	16.37	16.50	16.33	16.50	19.34	19.50
	110	5550	16.88	17.00	16.87	17.00	19.59	20.00
	126	5630	16.87	17.00	16.84	17.00	19.83	20.00
	134	5670	16.82	17.00	16.85	17.00	19.82	20.00
	142	5710	9.22	10.50	9.19	10.50	12.15	13.50
802.11ac VHT80	106	5530	13.38	14.00	13.78	14.00	16.89	17.00
	122	5610	13.31	14.00	13.65	14.00	16.86	17.00
	138	5690	13.33	14.00	7.57	8.00	13.97	14.00
802.11ax HE20	100	5500	16.39	16.50	16.28	16.50	19.29	19.50
	116	5580	17.34	17.50	17.42	17.50	20.37	20.50
	124	5620	17.29	17.50	17.36	17.50	20.30	20.50
	132	5660	17.32	17.50	17.41	17.50	20.39	20.50
	140	5700	17.34	17.50	17.25	17.50	20.29	20.50
	144	5720	17.31	17.50	17.44	17.50	20.32	20.50
802.11ax HE40	102	5510	16.32	16.50	16.29	16.50	19.27	19.50
	110	5550	16.88	17.00	16.78	17.00	19.80	20.00
	126	5630	16.82	17.00	16.88	17.00	19.74	20.00
	134	5670	16.82	17.00	16.72	17.00	19.70	20.00
	142	5710	9.69	10.50	9.67	10.50	13.08	13.50
802.11ax HE80	106	5530	13.88	14.00	13.85	14.00	16.87	17.00
	122	5610	13.78	14.00	13.82	14.00	16.83	17.00
	138	5690	13.84	14.00	7.88	8.00	13.97	14.00

WLAN 5.8 GHz on Laptop Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	19.73	20.00	19.55	20.00	22.42	23.00
	157	5785	19.91	20.00	19.65	20.00	22.45	23.00
	165	5825	19.81	20.00	19.51	20.00	22.35	23.00
802.11n HT20	149	5745	18.44	18.50	18.32	18.50	21.38	21.50
	157	5785	18.32	18.50	18.25	18.50	21.29	21.50
	165	5825	18.25	18.50	18.32	18.50	21.29	21.50
802.11n HT40	151	5755	17.23	17.50	17.44	17.50	20.34	20.50
	159	5795	17.22	17.50	17.36	17.50	20.29	20.50
802.11ac VHT80	155	5775	16.32	16.50	16.45	16.50	19.40	19.50
802.11ax HE20	149	5745	18.35	18.50	18.34	18.50	21.33	21.50
	157	5785	18.25	18.50	18.33	18.50	21.35	21.50
	165	5825	18.33	18.50	18.36	18.50	21.37	21.50
802.11ax HE40	151	5755	17.31	17.50	17.26	17.50	20.31	20.50
	159	5795	17.26	17.50	17.15	17.50	20.31	20.50
802.11ax HE80	155	5775	16.33	16.50	16.35	16.50	19.38	19.50

BT 2.0 / 3.0 On Laptop Mode					
Mode		Channel	Frequency (MHz)	ANT 1	
				Average power (dBm)	Tune-Up Limit
BR / EDR	1Mbps (GFSK)	0	2402	11.25	11.50
		39	2441	11.32	11.50
		78	2480	11.24	11.50
	2Mbps ($\pi/4$ DQPSK)	0	2402	8.20	8.50
		39	2441	8.39	8.50
		78	2480	8.35	8.50
	3Mbps (8-DPSK)	0	2402	8.11	8.50
		39	2441	8.21	8.50
		78	2480	8.23	8.50

BT 4.0 / 5.0 On Laptop Mode					
Mode		Channel	Frequency (MHz)	ANT 1	
				Average power (dBm)	Tune-Up Limit
LE	1Mbps (GFSK)	0	2402	11.22	11.50
		19	2440	11.31	11.50
		39	2480	11.20	11.50
	2Mbps ($\pi/4$ DQPSK)	1	2404	11.22	11.50
		19	2440	11.12	11.50
		38	2478	11.14	11.50

WLAN 2.4 GHz on Tablet Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	12.88	13.00	12.91	13.00	15.84	16.00
	6	2437	12.91	13.00	12.97	13.00	15.90	16.00
	11	2462	12.82	13.00	12.88	13.00	15.81	16.00
	12	2467	12.91	13.00	12.89	13.00	15.77	16.00
	13	2472	12.20	13.00	12.25	13.00	15.30	16.00
802.11g	1	2412	12.77	13.00	12.63	13.00	15.64	16.00
	6	2437	12.81	13.00	12.81	13.00	15.75	16.00
	11	2462	12.79	13.00	12.74	13.00	15.70	16.00
	12	2467	11.85	12.00	11.84	12.00	14.78	15.00
	13	2472	6.85	7.00	6.82	7.00	9.77	10.00
802.11n HT20	1	2412	12.66	13.00	12.83	13.00	15.68	16.00
	6	2437	12.61	13.00	12.81	13.00	15.65	16.00
	11	2462	12.74	13.00	12.74	13.00	15.68	16.00
	12	2467	9.74	10.00	9.55	10.00	12.58	13.00
	13	2472	5.44	5.50	5.23	5.50	8.27	8.50
802.11n HT40	3	2422	12.74	13.00	12.77	13.00	15.87	16.00
	6	2437	12.65	13.00	12.69	13.00	15.95	16.00
	9	2452	12.69	13.00	12.65	13.00	15.81	16.00
	10	2457	8.32	8.50	8.33	8.50	11.44	11.50
	11	2462	6.41	6.50	6.41	6.50	9.43	9.50
802.11ax HE20	1	2412	12.74	13.00	12.66	13.00	15.65	16.00
	6	2437	12.66	13.00	12.61	13.00	15.56	16.00
	11	2462	12.63	13.00	12.66	13.00	15.66	16.00
	12	2467	10.42	10.50	9.74	10.50	13.09	13.50
	13	2472	5.92	6.00	5.48	6.00	8.60	9.00
802.11ax HE40	3	2422	12.66	13.00	12.66	13.00	15.60	16.00
	6	2437	12.62	13.00	12.58	13.00	15.58	16.00
	9	2452	12.61	13.00	12.55	13.00	15.47	16.00
	10	2457	8.35	8.50	8.32	8.50	11.29	11.50
	11	2462	6.41	6.50	6.32	6.50	9.29	9.50

WLAN 5.2 GHz on Tablet Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	7.82	8.00	7.85	8.00	10.78	11.00
	40	5200	7.88	8.00	7.79	8.00	10.78	11.00
	44	5220	7.81	8.00	7.82	8.00	10.78	11.00
	48	5240	7.79	8.00	7.81	8.00	10.76	11.00
802.11n HT20	36	5180	7.77	8.00	7.79	8.00	10.73	11.00
	40	5200	7.35	8.00	7.41	8.00	10.42	11.00
	44	5220	6.77	8.00	6.84	8.00	9.79	11.00
	48	5240	7.85	8.00	7.87	8.00	10.80	11.00
802.11n HT40	38	5190	6.82	7.50	6.88	7.50	9.80	10.50
	46	5230	6.32	7.50	6.32	7.50	9.37	10.50
802.11ac VHT80	42	5210	6.40	7.50	6.41	7.50	9.44	10.50
802.11ax HE20	36	5180	7.82	8.00	7.81	8.00	10.86	11.00
	40	5200	7.32	8.00	7.33	8.00	10.37	11.00
	44	5220	7.22	8.00	7.25	8.00	10.27	11.00
	48	5240	6.87	8.00	6.88	8.00	9.88	11.00
802.11ax HE40	38	5190	6.88	7.50	6.90	7.50	9.93	10.50
	46	5230	6.35	7.50	6.32	7.50	9.35	10.50
802.11ax HE80	42	5210	6.25	7.50	6.42	7.50	9.49	10.50

WLAN 5.3 GHz on Tablet Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	7.92	8.00	7.05	8.00	10.58	11.00
	56	5280	7.98	8.00	7.11	8.00	10.62	11.00
	60	5300	7.91	8.00	7.09	8.00	10.56	11.00
	64	5320	7.59	8.00	6.97	8.00	10.59	11.00
802.11n HT20	52	5260	7.92	8.00	6.98	8.00	10.41	11.00
	56	5280	7.43	8.00	7.41	8.00	10.38	11.00
	60	5300	6.95	8.00	6.92	8.00	9.90	11.00
	64	5320	6.75	8.00	6.85	8.00	9.77	11.00
802.11n HT40	54	5270	6.92	7.50	6.85	7.50	9.85	10.50
	62	5310	6.32	7.50	6.41	7.50	9.39	10.50
802.11ac VHT80	58	5290	6.42	7.50	6.41	7.50	9.48	10.50
802.11ax HE20	52	5260	7.85	8.00	7.74	8.00	10.76	11.00
	56	5280	7.42	8.00	7.43	8.00	10.39	11.00
	60	5300	7.41	8.00	7.44	8.00	10.39	11.00
	64	5320	6.95	8.00	6.75	8.00	9.82	11.00
802.11ax HE40	54	5270	6.95	7.50	6.85	7.50	9.86	10.50
	62	5310	6.82	7.50	6.75	7.50	9.76	10.50
802.11ax HE80	58	5290	6.42	7.50	6.42	7.50	9.79	10.50

WLAN 5.6 GHz on Tablet Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	10.65	11.00	10.52	11.00	13.60	14.00
	116	5580	10.77	11.00	10.69	11.00	13.80	14.00
	124	5620	10.82	11.00	10.66	11.00	13.77	14.00
	132	5660	10.86	11.00	10.74	11.00	13.90	14.00
	140	5700	10.54	11.00	10.52	11.00	13.62	14.00
	144	5720	10.74	11.00	10.67	11.00	13.72	14.00
802.11n HT20	100	5500	9.82	11.00	9.75	11.00	12.73	14.00
	116	5580	10.80	11.00	10.77	11.00	13.72	14.00
	124	5620	10.72	11.00	10.65	11.00	13.62	14.00
	132	5660	10.69	11.00	10.66	11.00	13.59	14.00
	140	5700	9.41	11.00	9.35	11.00	12.31	14.00
	144	5720	10.66	11.00	10.63	11.00	13.58	14.00
802.11n HT40	102	5510	8.81	10.50	8.75	10.50	11.71	13.50
	110	5550	9.12	10.50	9.09	10.50	12.04	13.50
	126	5630	9.12	10.50	9.50	10.50	12.25	13.50
	134	5670	9.23	10.50	9.20	10.50	12.15	13.50
	142	5710	9.22	10.50	9.19	10.50	12.14	13.50
802.11ac VHT80	106	5530	9.88	10.50	9.82	10.50	12.82	13.50
	122	5610	8.81	10.50	8.77	10.50	11.71	13.50
	138	5690	8.77	10.50	7.57	8.00	11.19	12.25
802.11ax HE20	100	5500	9.79	11.00	9.71	11.00	12.70	14.00
	116	5580	10.72	11.00	10.66	11.00	13.63	14.00
	124	5620	10.77	11.00	10.70	11.00	13.67	14.00
	132	5660	10.66	11.00	10.60	11.00	13.57	14.00
	140	5700	9.92	11.00	9.82	11.00	12.81	14.00
	144	5720	10.69	11.00	10.63	11.00	13.60	14.00
802.11ax HE40	102	5510	9.04	10.50	8.98	10.50	12.46	13.50
	110	5550	9.82	10.50	9.76	10.50	12.73	13.50
	126	5630	9.71	10.50	9.66	10.50	12.62	13.50
	134	5670	9.88	10.50	9.82	10.50	12.79	13.50
	142	5710	9.69	10.50	9.58	10.50	12.57	13.50
802.11ax HE80	106	5530	8.66	10.50	8.59	10.50	11.62	13.50
	122	5610	8.85	10.50	8.77	10.50	11.75	13.50
	138	5690	8.75	10.50	7.88	8.00	11.29	12.25

WLAN 5.8 GHz on Tablet Mode								
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	11.90	12.00	11.82	12.00	14.86	15.00
	157	5785	11.93	12.00	11.94	12.00	14.95	15.00
	165	5825	11.82	12.00	11.77	12.00	14.87	15.00
802.11n HT20	149	5745	11.33	12.00	11.31	12.00	14.26	15.00
	157	5785	11.25	12.00	11.32	12.00	14.23	15.00
	165	5825	11.25	12.00	11.21	12.00	14.17	15.00
802.11n HT40	151	5755	10.35	11.50	10.32	11.50	13.28	14.50
	159	5795	10.42	11.50	10.31	11.50	13.31	14.50
802.11ac VHT80	155	5775	10.45	11.50	10.25	11.50	13.30	14.50
802.11ax HE20	149	5745	11.44	12.00	11.36	12.00	14.31	15.00
	157	5785	11.32	12.00	11.31	12.00	14.26	15.00
	165	5825	11.25	12.00	11.34	12.00	14.27	15.00
802.11ax HE40	151	5755	10.36	11.50	10.38	11.50	13.32	14.50
	159	5795	10.33	11.50	10.33	11.50	13.31	14.50
802.11ax HE80	155	5775	10.44	11.50	10.41	11.50	13.38	14.50

BT 2.0 / 3.0 On Tablet Mode							
Mode		Channel	Frequency (MHz)	ANT 0		ANT 1	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
BR / EDR	1Mbps (GFSK)	0	2402	---	---	11.25	11.50
		39	2441	---	---	11.32	11.50
		78	2480	---	---	11.24	11.50
	2Mbps ($\pi/4$ DQPSK)	0	2402	---	---	8.20	8.50
		39	2441	---	---	8.39	8.50
		78	2480	---	---	8.35	8.50
	3Mbps (8-DPSK)	0	2402	---	---	8.11	8.50
		39	2441	---	---	8.21	8.50
		78	2480	---	---	8.23	8.50

BT 4.0 / 5.0 On Tablet Mode							
Mode		Channel	Frequency (MHz)	ANT 0		ANT 1	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
LE	1Mbps (GFSK)	0	2402	---	---	11.12	11.50
		19	2440	---	---	11.22	11.50
		39	2480	---	---	11.09	11.50
	2Mbps ($\pi/4$ DQPSK)	1	2404	---	---	11.05	11.50
		19	2440	---	---	11.02	11.50
		38	2478	---	---	11.03	11.50