

## *Appendix A - Conducted Power Measurements*

<Laptop Mode MAX Tune-up Power>

WLAN 2.4 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11b	1	2412	19.50	19.50	-
	6	2437	20.25	20.25	-
	11	2462	19.50	19.50	-
	12	2467	18.50	18.50	-
	13	2472	15.50	15.50	-
802.11g	1	2412	17.00	17.00	-
	6	2437	19.75	19.75	-
	11	2462	16.25	16.50	-
	12	2467	15.00	15.00	-
	13	2472	1.50	1.50	-
802.11n HT20	1	2412	17.00	17.00	17.00
	6	2437	19.75	19.75	20.50
	11	2462	16.00	16.50	16.75
	12	2467	15.00	15.00	15.50
	13	2472	1.50	1.50	2.00
802.11n HT40	3	2422	16.50	16.50	16.75
	6	2437	17.50	17.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	5.00	5.00
802.11ax HE20	1	2412	17.00	17.00	17.00
	6	2437	19.75	19.75	20.50
	11	2462	16.00	16.00	16.75
	12	2467	15.00	15.00	15.50
	13	2472	1.50	1.50	2.00
802.11ax HE40	3	2422	16.50	16.50	16.75
	6	2437	16.50	16.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	4.50	6.00

<b>WLAN 5.2 GHz Tune-up Power</b>					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	36	5180	15.00	15.00	---
	40	5200	15.00	15.00	---
	44	5220	15.00	15.00	---
	48	5240	15.00	15.00	---
802.11n HT20	36	5180	15.00	15.00	18.00
	40	5200	15.00	15.00	18.00
	44	5220	15.00	15.00	18.00
	48	5240	15.00	15.00	18.00
802.11n HT40	38	5190	15.00	15.00	18.00
	46	5230	15.00	15.00	18.00
802.11ac VHT80	42	5210	15.00	15.00	18.00
802.11ax HE20	36	5180	15.00	15.00	18.00
	40	5200	15.00	15.00	18.00
	44	5220	15.00	15.00	18.00
	48	5240	15.00	15.00	18.00
802.11ax HE40	38	5190	15.00	15.00	18.00
	46	5230	15.00	15.00	18.00
802.11ax HE80	42	5210	15.00	15.00	18.00

WLAN 5.3 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	52	5260	15.00	15.00	-
	56	5280	15.00	15.00	-
	60	5300	15.00	15.00	-
	64	5320	15.00	15.00	-
802.11n HT20	52	5260	15.00	15.00	18.00
	56	5280	15.00	15.00	18.00
	60	5300	15.00	15.00	18.00
	64	5320	15.00	15.00	16.50
802.11n HT40	54	5270	15.00	15.00	18.00
	62	5310	15.00	15.00	16.00
802.11ac VHT80	58	5290	15.00	15.00	17.00
802.11ac VHT160	50	5250	14.75	15.00	15.00
802.11ax HE20	52	5260	15.00	15.00	18.00
	56	5280	15.00	15.00	18.00
	60	5300	15.00	15.00	18.00
	64	5320	15.00	15.00	16.50
802.11ax HE40	54	5270	15.00	15.00	18.00
	62	5310	15.00	15.00	16.00
802.11ax HE80	58	5290	15.00	15.00	17.00
802.11ax HE160	50	5250	14.75	15.00	15.00

WLAN 5.6 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	100	5500	15.00	15.00	---
	116	5580	15.00	15.00	---
	124	5620	15.00	15.00	---
	132	5660	15.00	15.00	---
	140	5700	15.00	15.00	---
	144	5720	15.00	15.00	---
802.11n HT20	100	5500	15.00	15.00	17.00
	116	5580	15.00	15.00	18.00
	124	5620	15.00	15.00	18.00
	132	5660	15.00	15.00	18.00
	140	5700	15.00	15.00	17.50
	144	5720	15.00	15.00	18.00
802.11n HT40	102	5510	15.00	15.00	17.00
	110	5550	15.00	15.00	18.00
	126	5630	15.00	15.00	18.00
	134	5670	15.00	15.00	18.00
	142	5710	15.00	15.00	18.00
802.11ac VHT80	106	5530	15.00	15.00	18.00
	122	5610	15.00	15.00	18.00
	138	5690	15.00	15.00	18.00
802.11ac VHT160	114	5570	14.50	14.50	15.00
802.11ax HE20	100	5500	15.00	15.00	17.00
	116	5580	15.00	15.00	18.00
	124	5620	15.00	15.00	18.00
	132	5660	15.00	15.00	18.00
	140	5700	15.00	15.00	17.00
	144	5720	15.00	15.00	18.00
802.11ax HE40	102	5510	15.00	15.00	17.00
	110	5550	15.00	15.00	18.00
	126	5630	15.00	15.00	18.00
	134	5670	15.00	15.00	18.00
	142	5710	15.00	15.00	18.00
802.11ax HE80	106	5530	15.00	15.00	18.00
	122	5610	15.00	15.00	18.00
	138	5690	15.00	15.00	18.00
802.11ax HE160	114	5570	14.50	14.50	15.00

WLAN 5.8 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	149	5745	15.00	15.00	---
	157	5785	15.00	15.00	---
	165	5825	15.00	15.00	---
	169	5845	15.00	15.00	---
	173	5865	15.00	15.00	---
	177	5885	15.00	15.00	---
802.11n HT20	149	5745	15.00	15.00	18.00
	157	5785	15.00	15.00	18.00
	165	5825	15.00	15.00	18.00
	169	5845	15.00	15.00	15.25
	173	5865	15.00	15.00	15.25
	177	5885	15.00	15.00	15.25
802.11n HT40	151	5755	15.00	15.00	18.00
	159	5795	15.00	15.00	18.00
	167	5835	15.00	15.00	18.00
	175	5875	15.00	15.00	18.00
802.11ac VHT80	155	5775	15.00	15.00	18.00
	171	5855	15.00	15.00	18.00
802.11ac VHT160	163	5815	15.00	15.00	17.25
802.11ax HE20	149	5745	15.00	15.00	18.00
	157	5785	15.00	15.00	18.00
	165	5825	15.00	15.00	18.00
	169	5845	15.00	15.00	15.25
	173	5865	15.00	15.00	15.25
	177	5885	15.00	15.00	15.25
802.11ax HE40	151	5755	15.00	15.00	18.00
	159	5795	15.00	15.00	18.00
	167	5835	15.00	15.00	18.00
	175	5875	15.00	15.00	18.00
802.11ax HE80	155	5775	15.00	15.00	18.00
	171	5855	15.00	15.00	18.00
802.11ax HE160	163	5815	15.00	15.00	17.25

<b>BT 2.0 / 3.0 Tune-up Power</b>				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	10.50
	39	2441	-	10.50
	78	2480	-	10.50
BR / EDR 2Mbps ( $\pi/4$ DQPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00
BR / EDR 3Mbps (8-DPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00

<b>BT 4.0 / 5.0 Tune-up Power</b>				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	7.00
	19	2440	-	7.00
	39	2480	-	7.00
LE 2Mbps ( $\pi/4$ DQPSK)	1	2404	-	7.00
	19	2440	-	7.00
	38	2478	-	7.00



<Laptop Mode MAX Conducted Power>

WLAN 2.4 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	19.34	19.50	19.29	19.50	-	-	-	-
	6	2437	20.20	20.25	20.22	20.25	-	-	-	-
	11	2462	19.32	19.50	19.44	19.50	-	-	-	-
	12	2467	18.33	18.50	18.36	18.50	-	-	-	-
	13	2472	15.41	15.50	15.32	15.50	-	-	-	-
802.11g	1	2412	16.88	17.00	16.93	17.00	-	-	-	-
	6	2437	19.62	19.75	19.69	19.75	-	-	-	-
	11	2462	16.11	16.25	16.37	16.50	-	-	-	-
	12	2467	14.87	15.00	14.87	15.00	-	-	-	-
	13	2472	1.29	1.50	1.34	1.50	-	-	-	-
802.11n HT20	1	2412	16.93	17.00	16.88	17.00	13.74	13.51	16.64	17.00
	6	2437	19.63	19.75	19.62	19.75	17.26	17.31	20.30	20.50
	11	2462	15.92	16.00	16.42	16.50	13.45	13.30	16.39	16.75
	12	2467	14.93	15.00	14.89	15.00	12.28	11.92	15.11	15.50
	13	2472	1.42	1.50	1.42	1.50	-1.42	-0.74	1.94	2.00
802.11n HT40	3	2422	16.38	16.50	16.34	16.50	13.62	13.56	16.60	16.75
	6	2437	17.39	17.50	17.40	17.50	15.33	15.29	18.32	18.50
	9	2452	15.90	16.00	15.92	16.00	13.35	13.29	16.33	16.50
	10	2457	12.13	12.25	11.78	12.00	9.66	9.62	12.65	12.75
	11	2462	4.87	5.00	4.88	5.00	1.85	1.79	4.83	5.00
802.11ax HE20	1	2412	16.86	17.00	16.89	17.00	13.81	13.85	16.84	17.00
	6	2437	19.62	19.75	19.64	19.75	17.26	17.18	20.23	20.50
	11	2462	15.84	16.00	15.90	16.00	13.62	13.56	16.60	16.75
	12	2467	14.89	15.00	14.85	15.00	12.33	12.29	15.32	15.50
	13	2472	1.37	1.50	1.35	1.50	-1.19	-1.17	1.83	2.00
802.11ax HE40	3	2422	16.38	16.50	16.41	16.50	13.62	13.60	16.62	16.75
	6	2437	16.42	16.50	16.43	16.50	15.43	15.35	18.40	18.50
	9	2452	15.89	16.00	15.92	16.00	13.30	13.30	16.31	16.50
	10	2457	12.11	12.25	11.89	12.00	9.55	9.61	12.59	12.75
	11	2462	4.92	5.00	4.41	4.50	2.84	2.80	5.83	6.00

WLAN 5.2 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	14.72	15.00	14.86	15.00	-	-	---	---
	40	5200	14.85	15.00	14.66	15.00	-	-	---	---
	44	5220	14.77	15.00	14.77	15.00	-	-	---	---
	48	5240	14.71	15.00	14.84	15.00	-	-	---	---
802.11n HT20	36	5180	14.89	15.00	14.80	15.00	14.70	14.76	17.74	18.00
	40	5200	14.89	15.00	14.88	15.00	14.81	14.83	17.83	18.00
	44	5220	14.83	15.00	14.66	15.00	14.65	14.83	17.75	18.00
	48	5240	14.90	15.00	14.81	15.00	14.76	14.79	17.79	18.00
802.11n HT40	38	5190	14.91	15.00	14.85	15.00	14.87	14.84	17.87	18.00
	46	5230	14.75	15.00	14.86	15.00	14.86	14.92	17.90	18.00
802.11ac VHT80	42	5210	14.92	15.00	14.90	15.00	14.82	14.85	17.85	18.00
802.11ax HE20	36	5180	14.80	15.00	14.73	15.00	14.88	14.88	17.89	18.00
	40	5200	14.81	15.00	14.73	15.00	14.79	14.85	17.83	18.00
	44	5220	14.86	15.00	14.83	15.00	14.83	14.85	17.85	18.00
	48	5240	14.80	15.00	14.68	15.00	14.90	14.79	17.86	18.00
802.11ax HE40	38	5190	14.70	15.00	14.71	15.00	14.84	14.82	17.84	18.00
	46	5230	14.80	15.00	14.74	15.00	14.77	14.82	17.81	18.00
802.11ax HE80	42	5210	14.76	15.00	14.86	15.00	14.78	14.77	17.79	18.00

WLAN 5.3 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	14.93	15.00	14.89	15.00	-	-	-	-
	56	5280	14.87	15.00	14.85	15.00	-	-	-	-
	60	5300	14.82	15.00	14.76	15.00	-	-	-	-
	64	5320	14.54	15.00	14.86	15.00	-	-	-	-
802.11n HT20	52	5260	14.90	15.00	14.64	15.00	14.96	14.67	17.83	18.00
	56	5280	14.84	15.00	14.82	15.00	14.94	14.73	17.85	18.00
	60	5300	14.90	15.00	14.52	15.00	14.94	14.61	17.79	18.00
	64	5320	14.76	15.00	14.74	15.00	13.21	13.04	16.14	16.50
802.11n HT40	54	5270	14.84	15.00	14.90	15.00	14.88	14.70	17.80	18.00
	62	5310	14.81	15.00	14.92	15.00	12.93	12.51	15.74	16.00
802.11ac VHT80	58	5290	14.94	15.00	14.97	15.00	13.83	13.77	16.81	17.00
802.11ac VHT160	50	5250	14.61	14.75	14.83	15.00	11.80	11.82	14.82	15.00
802.11ax HE20	52	5260	14.73	15.00	14.74	15.00	14.75	14.89	17.83	18.00
	56	5280	14.92	15.00	14.88	15.00	14.84	14.57	17.72	18.00
	60	5300	14.83	15.00	14.90	15.00	14.68	14.66	17.68	18.00
	64	5320	14.61	15.00	14.80	15.00	13.33	13.27	16.31	16.50
802.11ax HE40	54	5270	14.74	15.00	14.95	15.00	14.79	14.75	17.78	18.00
	62	5310	14.93	15.00	14.80	15.00	12.90	12.84	15.88	16.00
802.11ax HE80	58	5290	14.91	15.00	14.85	15.00	13.82	13.74	16.79	17.00
802.11ax HE160	50	5250	14.62	14.75	14.82	15.00	11.85	11.83	14.85	15.00

WLAN 5.6 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	14.85	15.00	14.80	15.00	-	-	---	---
	116	5580	14.90	15.00	14.87	15.00	-	-	---	---
	124	5620	14.91	15.00	14.86	15.00	-	-	---	---
	132	5660	14.89	15.00	14.90	15.00	-	-	---	---
	140	5700	14.87	15.00	14.88	15.00	-	-	---	---
	144	5720	14.83	15.00	14.77	15.00	-	-	---	---
802.11n HT20	100	5500	14.82	15.00	14.80	15.00	13.86	13.80	16.84	17.00
	116	5580	14.87	15.00	14.77	15.00	14.86	14.72	17.80	18.00
	124	5620	14.85	15.00	14.82	15.00	14.83	14.85	17.85	18.00
	132	5660	14.92	15.00	14.84	15.00	14.87	14.79	17.84	18.00
	140	5700	14.87	15.00	14.78	15.00	14.35	14.39	17.38	17.50
	144	5720	14.89	15.00	14.82	15.00	14.90	14.80	17.86	18.00
802.11n HT40	102	5510	14.88	15.00	14.89	15.00	13.92	13.84	16.89	17.00
	110	5550	14.96	15.00	14.89	15.00	14.87	14.84	17.87	18.00
	126	5630	14.78	15.00	14.88	15.00	14.81	14.84	17.84	18.00
	134	5670	14.89	15.00	14.83	15.00	14.82	14.88	17.86	18.00
	142	5710	14.90	15.00	14.82	15.00	14.83	14.77	17.81	18.00
802.11ac VHT80	106	5530	14.92	15.00	14.90	15.00	14.87	14.82	17.86	18.00
	122	5610	14.88	15.00	14.82	15.00	14.90	14.84	17.88	18.00
	138	5690	14.96	15.00	14.94	15.00	14.91	14.93	17.93	18.00
802.11ac VHT160	114	5570	14.32	14.50	14.39	14.50	11.90	11.78	14.85	15.00
802.11ax HE20	100	5500	14.87	15.00	14.78	15.00	13.86	13.90	16.89	17.00
	116	5580	14.75	15.00	14.72	15.00	14.82	14.86	17.85	18.00
	124	5620	14.82	15.00	14.89	15.00	14.85	14.78	17.83	18.00
	132	5660	14.87	15.00	14.87	15.00	14.80	14.86	17.84	18.00
	140	5700	14.85	15.00	14.86	15.00	13.90	13.86	16.89	17.00
	144	5720	14.82	15.00	14.80	15.00	14.84	14.88	17.87	18.00
802.11ax HE40	102	5510	14.89	15.00	14.73	15.00	13.86	13.78	16.83	17.00
	110	5550	14.75	15.00	14.89	15.00	14.92	14.77	17.86	18.00
	126	5630	14.89	15.00	14.56	15.00	14.91	14.80	17.87	18.00
	134	5670	14.77	15.00	14.66	15.00	14.84	14.90	17.88	18.00
	142	5710	14.87	15.00	14.92	15.00	14.86	14.80	17.84	18.00
802.11ax HE80	106	5530	14.84	15.00	14.83	15.00	14.81	14.84	17.84	18.00
	122	5610	14.80	15.00	14.84	15.00	14.89	14.85	17.88	18.00
	138	5690	14.78	15.00	14.70	15.00	14.79	14.90	17.86	18.00
802.11ax HE160	114	5570	14.34	14.50	14.34	14.50	11.85	11.89	14.88	15.00

WLAN 5.8 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	14.49	15.00	14.41	15.00	-	-	---	---
	157	5785	14.51	15.00	14.42	15.00	-	-	---	---
	165	5825	14.59	15.00	14.63	15.00	-	-	---	---
	169	5845	14.53	15.00	14.59	15.00	-	-	---	---
	173	5865	14.53	15.00	14.58	15.00	-	-	---	---
	177	5885	14.68	15.00	14.52	15.00	-	-	---	---
802.11n HT20	149	5745	14.58	15.00	14.55	15.00	14.71	14.80	17.77	18.00
	157	5785	14.65	15.00	14.44	15.00	14.63	14.78	17.72	18.00
	165	5825	14.45	15.00	14.51	15.00	14.71	14.56	17.65	18.00
	169	5845	14.45	15.00	14.48	15.00	12.11	12.07	15.10	15.25
	173	5865	14.64	15.00	14.61	15.00	12.13	12.17	15.16	15.25
	177	5885	14.58	15.00	14.52	15.00	12.09	12.13	15.12	15.25
802.11n HT40	151	5755	14.59	15.00	14.61	15.00	14.80	14.81	17.82	18.00
	159	5795	14.51	15.00	14.57	15.00	14.73	14.70	17.73	18.00
	167	5835	14.51	15.00	14.55	15.00	14.75	14.79	17.78	18.00
	175	5875	14.57	15.00	14.53	15.00	14.70	14.69	17.71	18.00
802.11ac VHT80	155	5775	14.72	15.00	14.78	15.00	14.77	14.80	17.80	18.00
	171	5855	14.68	15.00	14.66	15.00	14.63	14.89	17.77	18.00
802.11ac VHT160	163	5815	14.67	15.00	14.77	15.00	14.11	14.13	17.13	17.25
802.11ax HE20	149	5745	14.67	15.00	14.67	15.00	14.79	14.58	17.70	18.00
	157	5785	14.54	15.00	14.50	15.00	14.51	14.76	17.65	18.00
	165	5825	14.46	15.00	14.40	15.00	14.56	14.76	17.67	18.00
	169	5845	14.71	15.00	14.58	15.00	12.17	12.09	15.14	15.25
	173	5865	14.56	15.00	14.57	15.00	12.13	12.05	15.10	15.25
	177	5885	14.52	15.00	14.53	15.00	12.25	12.17	15.22	15.25
802.11ax HE40	151	5755	14.56	15.00	14.52	15.00	14.74	14.58	17.67	18.00
	159	5795	14.48	15.00	14.69	15.00	14.59	14.80	17.71	18.00
	167	5835	14.61	15.00	14.64	15.00	14.71	14.68	17.71	18.00
	175	5875	14.59	15.00	14.66	15.00	14.82	14.76	17.80	18.00
802.11ax HE80	155	5775	14.69	15.00	14.65	15.00	14.66	14.90	17.79	18.00
	171	5855	17.88	15.00	17.77	15.00	14.87	14.65	17.77	18.00
802.11ax HE160	163	5815	15.19	15.00	15.13	15.00	14.16	14.08	17.13	17.25

<b>BT 2.0 / 3.0</b>						
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	-	-	9.72	10.50
	39	2441	-	-	9.87	10.50
	78	2480	-	-	9.82	10.50
BR / EDR 2Mbps ( $\pi/4$ DQPSK)	0	2402	-	-	8.09	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.27	10.00
BR / EDR 3Mbps (8- DPSK)	0	2402	-	-	8.11	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.28	10.00

<b>BT 4.0 / 5.0</b>						
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	-	-	6.47	7.00
	19	2440	-	-	6.85	7.00
	39	2480	-	-	6.56	7.00
LE 2Mbps ( $\pi/4$ DQPSK)	1	2404	-	-	6.41	7.00
	19	2440	-	-	6.80	7.00
	38	2478	-	-	6.56	7.00

<Tablet Mode MAX Tune-up Power>

WLAN 2.4 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11b	1	2412	18.50	18.50	-
	6	2437	18.50	18.50	-
	11	2462	18.50	18.50	-
	12	2467	18.50	18.50	-
	13	2472	15.50	15.50	-
802.11g	1	2412	17.00	17.00	-
	6	2437	18.50	18.50	-
	11	2462	16.25	16.50	-
	12	2467	15.00	15.00	-
	13	2472	2.00	1.50	-
802.11n HT20	1	2412	17.00	17.00	17.00
	6	2437	18.50	18.50	20.50
	11	2462	16.00	16.50	16.75
	12	2467	15.00	15.00	15.50
	13	2472	2.00	1.50	2.00
802.11n HT40	3	2422	16.50	16.50	16.75
	6	2437	17.50	17.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	5.00	5.00
802.11ax HE20	1	2412	17.00	17.00	17.00
	6	2437	18.50	18.50	20.50
	11	2462	16.00	16.00	16.75
	12	2467	15.00	15.00	15.50
	13	2472	2.00	1.50	2.00
802.11ax HE40	3	2422	16.50	16.50	16.75
	6	2437	16.50	16.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.50	4.50	6.00



<b>WLAN 5.2 GHz Tune-up Power</b>					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	36	5180	11.00	11.00	-
	40	5200	11.00	11.00	-
	44	5220	11.00	11.00	-
	48	5240	11.00	11.00	-
802.11n HT20	36	5180	11.00	11.00	14.00
	40	5200	11.00	11.00	14.00
	44	5220	11.00	11.00	14.00
	48	5240	11.00	11.00	14.00
802.11n HT40	38	5190	11.00	11.00	14.00
	46	5230	11.00	11.00	14.00
802.11ac VHT80	42	5210	11.00	11.00	14.00
802.11ax HE20	36	5180	11.00	11.00	14.00
	40	5200	11.00	11.00	14.00
	44	5220	11.00	11.00	14.00
	48	5240	11.00	11.00	14.00
802.11ax HE40	38	5190	11.00	11.00	14.00
	46	5230	11.00	11.00	14.00
802.11ax HE80	42	5210	11.00	11.00	14.00

WLAN 5.3 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	52	5260	11.00	11.00	-
	56	5280	11.00	11.00	-
	60	5300	11.00	11.00	-
	64	5320	11.00	11.00	-
802.11n HT20	52	5260	11.00	11.00	14.00
	56	5280	11.00	11.00	14.00
	60	5300	11.00	11.00	14.00
	64	5320	11.00	11.00	14.00
802.11n HT40	54	5270	11.00	11.00	14.00
	62	5310	11.00	11.00	14.00
802.11ac VHT80	58	5290	11.00	11.00	14.00
802.11ac VHT160	50	5250	11.00	11.00	14.00
802.11ax HE20	52	5260	11.00	11.00	14.00
	56	5280	11.00	11.00	14.00
	60	5300	11.00	11.00	14.00
	64	5320	11.00	11.00	14.00
802.11ax HE40	54	5270	11.00	11.00	14.00
	62	5310	11.00	11.00	14.00
802.11ax HE80	58	5290	11.00	11.00	14.00
802.11ax HE160	50	5250	11.00	11.00	14.00

WLAN 5.6 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	100	5500	10.50	10.50	-
	116	5580	10.50	10.50	-
	124	5620	10.50	10.50	-
	132	5660	10.50	10.50	-
	140	5700	10.50	10.50	-
	144	5720	10.50	10.50	-
802.11n HT20	100	5500	10.50	10.50	13.50
	116	5580	10.50	10.50	13.50
	124	5620	10.50	10.50	13.50
	132	5660	10.50	10.50	13.50
	140	5700	10.50	10.50	13.50
	144	5720	10.50	10.50	13.50
802.11n HT40	102	5510	10.50	10.50	13.50
	110	5550	10.50	10.50	13.50
	126	5630	10.50	10.50	13.50
	134	5670	10.50	10.50	13.50
	142	5710	10.50	10.50	13.50
802.11ac VHT80	106	5530	10.50	10.50	13.50
	122	5610	10.50	10.50	13.50
	138	5690	10.50	10.50	13.50
802.11ac VHT160	114	5570	10.50	10.50	13.50
802.11ax HE20	100	5500	10.50	10.50	13.50
	116	5580	10.50	10.50	13.50
	124	5620	10.50	10.50	13.50
	132	5660	10.50	10.50	13.50
	140	5700	10.50	10.50	13.50
	144	5720	10.50	10.50	13.50
802.11ax HE40	102	5510	10.50	10.50	13.50
	110	5550	10.50	10.50	13.50
	126	5630	10.50	10.50	13.50
	134	5670	10.50	10.50	13.50
	142	5710	10.50	10.50	13.50
802.11ax HE80	106	5530	10.50	10.50	13.50
	122	5610	10.50	10.50	13.50
	138	5690	10.50	10.50	13.50
802.11ax HE160	114	5570	10.50	10.50	13.50

WLAN 5.8 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	149	5745	11.00	11.00	-
	157	5785	11.00	11.00	-
	165	5825	11.00	11.00	-
	169	5845	11.00	11.00	-
	173	5865	11.00	11.00	-
	177	5885	11.00	11.00	-
802.11n HT20	149	5745	11.00	11.00	14.00
	157	5785	11.00	11.00	14.00
	165	5825	11.00	11.00	14.00
	169	5845	11.00	11.00	14.00
	173	5865	11.00	11.00	14.00
	177	5885	11.00	11.00	14.00
802.11n HT40	151	5755	11.00	11.00	14.00
	159	5795	11.00	11.00	14.00
	167	5835	11.00	11.00	14.00
	175	5875	11.00	11.00	14.00
802.11ac VHT80	155	5775	11.00	11.00	14.00
	171	5855	11.00	11.00	14.00
802.11ac VHT160	163	5815	11.00	11.00	13.00
802.11ax HE20	149	5745	11.00	11.00	14.00
	157	5785	11.00	11.00	14.00
	165	5825	11.00	11.00	14.00
	169	5845	11.00	11.00	14.00
	173	5865	11.00	11.00	14.00
	177	5885	11.00	11.00	14.00
802.11ax HE40	151	5755	11.00	11.00	14.00
	159	5795	11.00	11.00	14.00
	167	5835	11.00	11.00	14.00
	175	5875	11.00	11.00	14.00
802.11ax HE80	155	5775	11.00	11.00	14.00
	171	5855	11.00	11.00	14.00
802.11ax HE160	163	5815	11.00	11.00	13.00

<b>BT 2.0 / 3.0 Tune-up Power</b>				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	10.50
	39	2441	-	10.50
	78	2480	-	10.50
BR / EDR 2Mbps ( $\pi/4$ DQPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00
BR / EDR 3Mbps (8-DPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00

<b>BT 4.0 / 5.0 Tune-up Power</b>				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	7.00
	19	2440	-	7.00
	39	2480	-	7.00
LE 2Mbps ( $\pi/4$ DQPSK)	1	2404	-	7.00
	19	2440	-	7.00
	38	2478	-	7.00

<Tablet Mode MAX Conducted Power>

WLAN 2.4 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	18.42	18.50	18.38	18.50	-	-	-	-
	6	2437	18.24	18.50	18.30	18.50	-	-	-	-
	11	2462	18.37	18.50	18.36	18.50	-	-	-	-
	12	2467	18.33	18.50	18.35	18.50	-	-	-	-
	13	2472	15.41	15.50	15.32	15.50	-	-	-	-
802.11g	1	2412	16.88	17.00	16.93	17.00	-	-	-	-
	6	2437	18.39	18.50	18.32	18.50	-	-	-	-
	11	2462	16.11	16.25	16.37	16.50	-	-	-	-
	12	2467	14.87	15.00	14.87	15.00	-	-	-	-
	13	2472	1.79	2.00	1.34	1.50	-	-	-	-
802.11n HT20	1	2412	16.93	17.00	16.88	17.00	13.74	13.51	16.64	17.00
	6	2437	18.30	18.50	18.37	18.50	17.26	17.31	20.30	20.50
	11	2462	15.92	16.00	16.42	16.50	13.45	13.30	16.39	16.75
	12	2467	14.93	15.00	14.89	15.00	12.28	11.92	15.11	15.50
	13	2472	1.92	2.00	1.42	1.50	-1.42	-0.74	1.94	2.00
802.11n HT40	3	2422	16.38	16.50	16.34	16.50	13.66	13.52	16.60	16.75
	6	2437	17.39	17.50	17.40	17.50	15.39	15.23	18.32	18.50
	9	2452	15.90	16.00	15.92	16.00	13.41	13.23	16.33	16.50
	10	2457	12.13	12.25	11.78	12.00	9.66	9.62	12.65	12.75
	11	2462	4.87	5.00	4.88	5.00	1.87	1.77	4.83	5.00
802.11ax HE20	1	2412	16.86	17.00	16.89	17.00	13.87	13.79	16.84	17.00
	6	2437	18.33	18.50	18.36	18.50	17.42	17.01	20.23	20.50
	11	2462	15.84	16.00	15.90	16.00	13.66	13.52	16.60	16.75
	12	2467	14.89	15.00	14.85	15.00	12.41	12.21	15.32	15.50
	13	2472	1.87	2.00	1.35	1.50	-1.23	-1.13	1.83	2.00
802.11ax HE40	3	2422	16.38	16.50	16.41	16.50	13.66	13.56	16.62	16.75
	6	2437	16.42	16.50	16.43	16.50	15.31	15.47	18.40	18.50
	9	2452	15.89	16.00	15.92	16.00	13.33	13.27	16.31	16.50
	10	2457	12.11	12.25	11.89	12.00	9.66	9.50	12.59	12.75
	11	2462	5.42	5.50	4.41	4.50	2.87	2.77	5.83	6.00

WLAN 5.2 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	10.82	11.00	10.80	11.00	-	-	-	-
	40	5200	10.85	11.00	10.76	11.00	-	-	-	-
	44	5220	10.79	11.00	10.69	11.00	-	-	-	-
	48	5240	10.77	11.00	10.74	11.00	-	-	-	-
802.11n HT20	36	5180	10.74	11.00	10.77	11.00	10.89	10.48	13.70	14.00
	40	5200	10.80	11.00	10.79	11.00	10.77	10.44	13.62	14.00
	44	5220	10.72	11.00	10.68	11.00	10.76	10.58	13.68	14.00
	48	5240	10.83	11.00	10.73	11.00	10.92	10.36	13.66	14.00
802.11n HT40	38	5190	10.88	11.00	10.68	11.00	10.85	10.56	13.72	14.00
	46	5230	10.81	11.00	10.74	11.00	10.87	10.48	13.69	14.00
802.11ac VHT80	42	5210	10.89	11.00	10.82	11.00	10.89	10.54	13.73	14.00
802.11ax HE20	36	5180	10.75	11.00	10.66	11.00	10.88	10.36	13.64	14.00
	40	5200	10.74	11.00	10.69	11.00	10.84	10.45	13.66	14.00
	44	5220	10.84	11.00	10.78	11.00	10.78	10.60	13.70	14.00
	48	5240	10.80	11.00	10.75	11.00	10.86	10.34	13.62	14.00
802.11ax HE40	38	5190	10.73	11.00	10.79	11.00	10.92	10.32	13.64	14.00
	46	5230	10.78	11.00	10.77	11.00	10.77	10.63	13.71	14.00
802.11ax HE80	42	5210	10.77	11.00	10.73	11.00	10.72	10.60	13.67	14.00



WLAN 5.3 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	10.86	11.00	10.84	11.00	-	-	-	-
	56	5280	10.90	11.00	10.88	11.00	-	-	-	-
	60	5300	10.84	11.00	10.83	11.00	-	-	-	-
	64	5320	10.91	11.00	10.77	11.00	-	-	-	-
802.11n HT20	52	5260	10.83	11.00	10.85	11.00	10.88	10.64	13.77	14.00
	56	5280	10.92	11.00	10.88	11.00	10.91	10.67	13.80	14.00
	60	5300	10.88	11.00	10.81	11.00	10.84	10.72	13.79	14.00
	64	5320	10.84	11.00	10.83	11.00	10.93	10.69	13.82	14.00
802.11n HT40	54	5270	10.89	11.00	10.76	11.00	10.91	10.50	13.72	14.00
	62	5310	10.84	11.00	10.78	11.00	10.85	10.69	13.78	14.00
802.11ac VHT80	58	5290	10.86	11.00	10.84	11.00	10.87	10.63	13.76	14.00
802.11ac VHT160	50	5250	10.94	11.00	10.89	11.00	10.94	10.71	13.84	14.00
802.11ax HE20	52	5260	10.89	11.00	10.82	11.00	10.86	10.78	13.83	14.00
	56	5280	10.82	11.00	10.84	11.00	10.90	10.68	13.80	14.00
	60	5300	10.84	11.00	10.78	11.00	10.78	10.64	13.72	14.00
	64	5320	10.91	11.00	10.87	11.00	10.91	10.58	13.76	14.00
802.11ax HE40	54	5270	10.83	11.00	10.74	11.00	10.86	10.62	13.75	14.00
	62	5310	10.86	11.00	10.86	11.00	10.85	10.69	13.78	14.00
802.11ax HE80	58	5290	10.90	11.00	10.80	11.00	10.92	10.68	13.81	14.00
802.11ax HE160	50	5250	10.88	11.00	10.82	11.00	10.95	10.60	13.79	14.00

WLAN 5.6 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	10.34	10.50	10.32	10.50	-	-	-	-
	116	5580	10.38	10.50	10.33	10.50	-	-	-	-
	124	5620	10.33	10.50	10.42	10.50	-	-	-	-
	132	5660	10.35	10.50	10.37	10.50	-	-	-	-
	140	5700	10.40	10.50	10.35	10.50	-	-	-	-
	144	5720	10.36	10.50	10.30	10.50	-	-	-	-
802.11n HT20	100	5500	10.38	10.50	10.32	10.50	10.30	10.34	13.33	13.50
	116	5580	10.32	10.50	10.36	10.50	10.31	10.39	13.36	13.50
	124	5620	10.34	10.50	10.40	10.50	10.33	10.25	13.30	13.50
	132	5660	10.41	10.50	10.36	10.50	10.43	10.31	13.38	13.50
	140	5700	10.30	10.50	10.38	10.50	10.32	10.24	13.29	13.50
	144	5720	10.33	10.50	10.32	10.50	10.34	10.16	13.26	13.50
802.11n HT40	102	5510	10.28	10.50	10.33	10.50	10.39	10.27	13.34	13.50
	110	5550	10.32	10.50	10.30	10.50	10.42	10.28	13.36	13.50
	126	5630	10.35	10.50	10.36	10.50	10.45	10.12	13.30	13.50
	134	5670	10.37	10.50	10.42	10.50	10.33	10.41	13.38	13.50
	142	5710	10.29	10.50	10.37	10.50	10.29	10.23	13.27	13.50
802.11ac VHT80	106	5530	10.22	10.50	10.22	10.50	10.22	9.89	13.07	13.50
	122	5610	10.22	10.50	10.32	10.50	10.22	9.99	13.12	13.50
	138	5690	10.26	10.50	10.44	10.50	10.26	10.04	13.16	13.50
802.11ac VHT160	114	5570	10.43	10.50	10.35	10.50	10.43	10.35	13.40	13.50
802.11ax HE20	100	5500	10.25	10.50	10.38	10.50	10.28	10.26	13.28	13.50
	116	5580	10.29	10.50	10.32	10.50	10.34	10.38	13.37	13.50
	124	5620	10.40	10.50	10.41	10.50	10.24	10.40	13.33	13.50
	132	5660	10.36	10.50	10.33	10.50	10.39	10.31	13.36	13.50
	140	5700	10.33	10.50	10.39	10.50	10.34	10.12	13.24	13.50
	144	5720	10.38	10.50	10.37	10.50	10.32	10.26	13.30	13.50
802.11ax HE40	102	5510	10.42	10.50	10.42	10.50	10.34	10.36	13.36	13.50
	110	5550	10.35	10.50	10.40	10.50	10.33	10.41	13.38	13.50
	126	5630	10.36	10.50	10.35	10.50	10.24	10.32	13.29	13.50
	134	5670	10.26	10.50	10.39	10.50	10.42	10.05	13.25	13.50
	142	5710	10.33	10.50	10.34	10.50	10.36	10.32	13.35	13.50
802.11ax HE80	106	5530	10.27	10.50	10.30	10.50	10.32	10.34	13.34	13.50
	122	5610	10.34	10.50	10.33	10.50	10.41	10.17	13.30	13.50
	138	5690	10.36	10.50	10.38	10.50	10.32	10.24	13.29	13.50
802.11ax HE160	114	5570	10.29	10.50	10.32	10.50	10.38	10.36	13.38	13.50

WLAN 5.8 GHz										
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	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	10.84	11.00	10.82	11.00	-	-	-	-
	157	5785	10.93	11.00	10.85	11.00	-	-	-	-
	165	5825	10.82	11.00	10.80	11.00	-	-	-	-
	169	5845	10.91	11.00	10.72	11.00	-	-	-	-
	173	5865	10.86	11.00	10.79	11.00	-	-	-	-
	177	5885	10.88	11.00	10.81	11.00	-	-	-	-
802.11n HT20	149	5745	10.90	11.00	10.77	11.00	10.84	10.72	13.79	14.00
	157	5785	10.84	11.00	10.83	11.00	10.86	10.78	13.83	14.00
	165	5825	10.83	11.00	10.73	11.00	10.84	10.90	13.88	14.00
	169	5845	10.82	11.00	10.75	11.00	10.86	10.55	13.72	14.00
	173	5865	10.87	11.00	10.79	11.00	10.90	10.61	13.77	14.00
	177	5885	10.80	11.00	10.82	11.00	10.81	10.89	13.86	14.00
802.11n HT40	151	5755	10.84	11.00	10.83	11.00	10.84	10.94	13.90	14.00
	159	5795	10.93	11.00	10.78	11.00	10.92	10.61	13.78	14.00
	167	5835	10.82	11.00	10.75	11.00	10.78	10.64	13.72	14.00
	175	5875	10.88	11.00	10.73	11.00	10.85	10.79	13.83	14.00
802.11ac VHT80	155	5775	10.95	11.00	10.86	11.00	10.95	10.86	13.92	14.00
	171	5855	10.86	11.00	10.77	11.00	10.86	10.53	13.71	14.00
802.11ac VHT160	163	5815	10.94	11.00	10.84	11.00	9.87	9.83	12.86	13.00
802.11ax HE20	149	5745	10.87	11.00	10.82	11.00	10.86	10.90	13.89	14.00
	157	5785	10.84	11.00	10.80	11.00	10.78	10.80	13.80	14.00
	165	5825	10.90	11.00	10.71	11.00	10.90	10.61	13.77	14.00
	169	5845	10.83	11.00	10.79	11.00	10.88	10.57	13.74	14.00
	173	5865	10.88	11.00	10.77	11.00	10.80	10.76	13.79	14.00
	177	5885	10.82	11.00	10.75	11.00	10.83	10.81	13.83	14.00
802.11ax HE40	151	5755	10.93	11.00	10.80	11.00	10.86	10.72	13.80	14.00
	159	5795	10.90	11.00	10.71	11.00	10.82	10.96	13.90	14.00
	167	5835	10.86	11.00	10.72	11.00	10.89	10.77	13.84	14.00
	175	5875	10.82	11.00	10.70	11.00	10.81	10.81	13.82	14.00
802.11ax HE80	155	5775	10.89	11.00	10.83	11.00	10.78	10.92	13.86	14.00
	171	5855	10.81	11.00	10.72	11.00	10.87	10.67	13.78	14.00
802.11ax HE160	163	5815	10.83	11.00	10.77	11.00	9.88	9.78	12.84	13.00

<b>BT 2.0 / 3.0</b>						
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	-	-	9.72	10.50
	39	2441	-	-	9.87	10.50
	78	2480	-	-	9.82	10.50
BR / EDR 2Mbps ( $\pi/4$ DQPSK)	0	2402	-	-	8.09	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.27	10.00
BR / EDR 3Mbps (8- DPSK)	0	2402	-	-	8.11	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.28	10.00

<b>BT 4.0 / 5.0</b>						
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	-	-	6.47	7.00
	19	2440	-	-	6.85	7.00
	39	2480	-	-	6.56	7.00
LE 2Mbps ( $\pi/4$ DQPSK)	1	2404	-	-	6.41	7.00
	19	2440	-	-	6.80	7.00
	38	2478	-	-	6.56	7.00