



Power State A for WLAN

<WLAN 2.4GHz FCC>

2.4GHz WLAN				Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	14.50	15.00	100.00
	6	2437	14.50	15.00	
	11	2462	14.40	15.00	
	12	2467	14.20	15.00	
	13	2472	12.30	13.00	
802.11g 6Mbps	1	2412	14.20	15.00	98.97
	6	2437	14.10	15.00	
	11	2462	13.70	14.00	
	12	2467	7.90	8.00	
802.11n-HT20 MCS0	13	2472	-1.30	0.00	100.00
	1	2412	14.40	15.00	
	6	2437	14.20	15.00	
	11	2462	9.40	10.50	
	12	2467	7.30	8.50	
802.11n-HT40 MCS0	13	2472	-1.60	-1.50	100.00
	3	2422	10.50	11.50	
	6	2437	13.30	14.00	
	9	2452	10.50	11.50	
	10	2457	7.80	9.00	
802.11ac-VHT20 MCS0	11	2462	0.60	1.00	100.00
	1	2412	14.30	15.00	
	6	2437	14.10	15.00	
	11	2462	9.30	10.50	
	12	2467	7.20	8.50	
802.11ac-VHT40 MCS0	13	2472	-1.70	-1.50	100.00
	3	2422	10.40	11.50	
	6	2437	13.20	14.00	
	9	2452	10.40	11.50	
	10	2457	7.70	9.00	
802.11ax-HE20 MCS0	11	2462	0.50	1.00	100.00
	1	2412	14.50	15.00	
	6	2437	14.30	15.00	
	11	2462	8.60	10.50	
	12	2467	7.60	8.50	
802.11ax-HE40 MCS0	13	2472	-1.40	0.00	100.00
	3	2422	10.70	11.50	
	6	2437	13.40	14.00	
	9	2452	10.70	11.50	
	10	2457	8.00	9.00	
11	2462	0.70	1.00		

<WLAN 5GHz FCC>

5.2GHz WLAN				Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	10.58	12.25	99.32
	40	5200	10.40	12.25	
	44	5220	10.45	12.25	
	48	5240	10.50	12.25	
	48	5240	10.50	12.25	
802.11n-HT20 MCS0	36	5180	10.68	12.25	100.00
	40	5200	10.58	12.25	
	44	5220	10.60	12.25	
	48	5240	10.65	12.25	
	48	5240	10.65	12.25	
802.11n-HT40 MCS0	38	5190	11.17	12.25	100.00
	46	5230	11.15	12.25	
	36	5180	10.64	12.25	
	40	5200	10.55	12.25	
	44	5220	10.56	12.25	
802.11ac-VHT20 MCS0	48	5240	10.61	12.25	100.00
	38	5190	11.15	12.25	
	46	5230	11.14	12.25	
	42	5210	10.92	12.25	
	42	5210	10.92	12.25	
802.11ac-VHT80 MCS0	36	5180	10.94	12.25	100.00
	40	5200	10.67	12.25	
	44	5220	10.70	12.25	
	48	5240	10.91	12.25	
	48	5240	10.91	12.25	
802.11ax-HE20 MCS0	38	5190	11.24	12.25	99.27
	46	5230	11.21	12.25	
	42	5210	11.07	12.25	

5.3GHz WLAN

5.3GHz WLAN				Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	10.54	12.25	99.32
	56	5280	10.38	12.25	
	60	5300	10.40	12.25	
	64	5320	10.35	12.25	
	52	5260	10.70	12.25	
802.11n-HT20 MCS0	56	5280	10.56	12.25	100.00
	60	5300	10.58	12.25	
	64	5320	10.49	12.25	
	54	5270	11.11	12.25	
	54	5270	11.11	12.25	
802.11n-HT40 MCS0	62	5310	11.10	12.25	100.00
	52	5260	10.67	12.25	
	56	5280	10.52	12.25	
	60	5300	10.55	12.25	
	64	5320	10.45	12.25	
802.11ac-VHT20 MCS0	64	5320	10.45	12.25	100.00
	54	5270	11.09	12.25	
	62	5310	11.09	12.25	
	58	5290	10.97	12.25	
	58	5290	10.97	12.25	
802.11ac-VHT80 MCS0	50	5250	11.32	12.25	100.00
	52	5260	10.79	12.25	
	56	5280	10.65	12.25	
	60	5300	10.68	12.25	
	64	5320	10.60	12.25	
802.11ax-HE20 MCS0	54	5270	11.18	12.25	98.54
	56	5280	10.65	12.25	
	60	5300	10.68	12.25	
	64	5320	10.60	12.25	
	54	5270	11.18	12.25	
802.11ax-HE40 MCS0	62	5310	11.17	12.25	99.27
	58	5290	11.11	12.25	
	58	5290	11.11	12.25	
50	5250	11.63	12.25	98.91	



5.8GHz WLAN				Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	10.66	12.75	99.32
	116	5580	10.86	12.75	
	124	5620	10.63	12.75	
	132	5660	10.35	12.75	
	140	5700	10.36	12.75	
802.11n-HT20 MCS0	144	5720	10.42	12.75	100.00
	100	5500	10.81	12.75	
	116	5580	11.02	12.75	
	124	5620	10.70	12.75	
	132	5660	10.51	12.75	
802.11n-HT40 MCS0	140	5700	10.54	12.75	100.00
	144	5720	10.56	12.75	
	102	9510	11.28	12.75	
	110	9550	11.47	12.75	
	126	9630	11.07	12.75	
802.11ac-VHT20 MCS0	134	5670	11.10	12.75	100.00
	142	5710	10.93	12.75	
	100	5500	10.76	12.75	
	116	5580	11.00	12.75	
	124	5620	10.67	12.75	
802.11ac-VHT40 MCS0	132	5660	10.49	12.75	100.00
	140	5700	10.51	12.75	
	144	5720	10.52	12.75	
	102	9510	11.24	12.75	
	110	9550	11.45	12.75	
802.11ac-VHT80 MCS0	126	9630	11.06	12.75	100.00
	134	9670	11.08	12.75	
	142	9710	10.90	12.75	
	106	9530	11.26	12.75	
	122	9610	11.24	12.75	
802.11ac-VHT160 MCS0	138	9690	10.91	12.75	100.00
802.11ax-HE20 MCS0	114	5570	12.04	12.75	98.54
	100	5500	10.90	12.75	
	116	5580	11.12	12.75	
	124	5620	10.85	12.75	
	132	5660	10.61	12.75	
802.11ax-HE40 MCS0	140	5700	10.63	12.75	99.27
	144	5720	10.66	12.75	
	102	9510	11.36	12.75	
	110	9550	11.55	12.75	
	126	9630	11.14	12.75	
802.11ax-HE80 MCS0	134	9670	11.16	12.75	98.91
	142	9710	11.01	12.75	
	106	9530	11.44	12.75	
	122	9610	11.36	12.75	
	138	9690	11.03	12.75	
802.11ax-HE160 MCS0	114	5570	11.94	12.75	98.91

5.8GHz WLAN				Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	12.00	14.00	99.32
	157	5785	11.93	14.00	
	165	5825	12.04	14.00	
802.11n-HT20 MCS0	149	5745	12.13	14.00	100.00
	157	5785	12.08	14.00	
	165	5825	12.15	14.00	
802.11n-HT40 MCS0	151	5755	12.62	14.00	100.00
	159	5795	12.59	14.00	
	149	5745	12.10	14.00	
802.11ac-VHT20 MCS0	157	5785	12.05	14.00	100.00
	165	5825	12.13	14.00	
	151	5755	12.60	14.00	
802.11ac-VHT40 MCS0	159	5795	12.56	14.00	100.00
802.11ac-VHT80 MCS0	155	5775	12.51	14.00	100.00
802.11ax-HE20 MCS0	149	5745	12.25	14.00	98.54
	157	5785	12.23	14.00	
	165	5825	12.21	14.00	
802.11ax-HE40 MCS0	151	5755	12.70	14.00	99.27
	159	5795	12.67	14.00	
	155	5775	12.70	14.00	
802.11ax-HE80 MCS0	155	5775	12.70	14.00	98.91



Power State B for WLAN

<WLAN 2.4GHz FCC>					
2.4GHz WLAN					Ant 1
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	11.30	12.25	100.00
	6	2437	11.40	12.25	
	11	2462	11.40	12.25	
	12	2467	11.20	12.25	
	13	2472	11.40	12.25	
802.11g 6Mbps	1	2412	11.00	12.25	98.97
	6	2437	10.90	12.25	
	11	2462	10.90	12.25	
	12	2467	7.90	9.00	
	13	2472	-1.30	0.00	
802.11n-HT20 MCS0	1	2412	11.20	12.25	100.00
	6	2437	11.00	12.25	
	11	2462	9.40	10.50	
	12	2467	7.30	8.50	
	13	2472	-1.80	-1.50	
802.11n-HT40 MCS0	3	2422	10.50	11.50	100.00
	6	2437	11.10	12.25	
	9	2452	10.50	11.50	
	10	2457	7.80	9.00	
	11	2462	0.50	1.00	
802.11ac-VHT20 MCS0	1	2412	11.10	12.25	100.00
	6	2437	10.90	12.25	
	11	2462	9.30	10.50	
	12	2467	7.20	8.50	
	13	2472	-1.70	-1.50	
802.11ac-VHT40 MCS0	3	2422	10.40	11.50	100.00
	6	2437	11.00	12.25	
	9	2452	10.40	11.50	
	10	2457	7.80	9.00	
	11	2462	0.40	1.00	
802.11ax-HE20 MCS0	1	2412	11.30	12.25	100.00
	6	2437	11.10	12.25	
	11	2462	9.80	10.50	
	12	2467	7.60	8.50	
	13	2472	-1.40	0.00	
802.11ax-HE40 MCS0	3	2422	10.70	11.50	100.00
	6	2437	11.20	12.25	
	9	2452	10.70	11.50	
	10	2457	8.00	9.00	
	11	2462	0.70	1.00	

<WLAN 5GHz FCC>					
5.2GHz WLAN					Ant 1
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	4.82	6.50	99.32
	40	5200	4.83	6.50	
	44	5220	4.68	6.50	
	48	5240	4.70	6.50	
	52	5260	4.75	6.50	
802.11n-HT20 MCS0	36	5180	4.76	6.50	100.00
	40	5200	4.70	6.50	
	44	5220	4.73	6.50	
	48	5240	4.79	6.50	
	52	5260	4.80	6.50	
802.11n-HT40 MCS0	38	5190	5.31	6.50	100.00
	46	5230	5.34	6.50	
	36	5180	4.73	6.50	
	40	5200	4.68	6.50	
	44	5220	4.71	6.50	
802.11ac-VHT20 MCS0	48	5240	4.76	6.50	100.00
	38	5190	5.28	6.50	
	46	5230	5.31	6.50	
	42	5210	5.35	6.50	
	36	5180	4.91	6.50	
802.11ac-VHT40 MCS0	40	5200	4.81	6.50	98.54
	44	5220	4.86	6.50	
	48	5240	4.93	6.50	
	38	5190	5.38	6.50	
	46	5230	5.43	6.50	
802.11ax-HE20 MCS0	38	5190	5.38	6.50	99.27
	46	5230	5.43	6.50	
	42	5210	5.45	6.50	
	36	5180	4.91	6.50	
	40	5200	4.81	6.50	

<WLAN 5.3GHz FCC>					
5.3GHz WLAN					Ant 1
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	4.65	6.50	99.32
	56	5280	4.57	6.50	
	60	5300	4.81	6.50	
	64	5320	4.55	6.50	
	68	5340	4.75	6.50	
802.11n-HT20 MCS0	56	5280	4.66	6.50	100.00
	60	5300	4.70	6.50	
	64	5320	4.68	6.50	
	54	5270	5.35	6.50	
	62	5310	5.22	6.50	
802.11n-HT40 MCS0	62	5260	4.72	6.50	100.00
	56	5280	4.62	6.50	
	60	5300	4.68	6.50	
	64	5320	4.64	6.50	
	54	5270	5.30	6.50	
802.11ac-VHT20 MCS0	62	5310	5.18	6.50	100.00
	58	5290	5.36	6.50	
	50	5250	5.75	6.50	
	52	5260	4.96	6.50	
	56	5280	4.80	6.50	
802.11ac-VHT40 MCS0	60	5300	4.83	6.50	98.54
	64	5320	4.80	6.50	
	54	5270	5.40	6.50	
	62	5310	5.31	6.50	
	58	5290	5.45	6.50	
802.11ax-HE20 MCS0	58	5290	5.45	6.50	99.27
	62	5310	5.31	6.50	
	54	5270	5.40	6.50	
	50	5250	5.83	6.50	
	52	5260	4.96	6.50	
802.11ax-HE40 MCS0	58	5290	5.45	6.50	98.91
	62	5310	5.31	6.50	
	54	5270	5.40	6.50	
	50	5250	5.83	6.50	
	52	5260	4.96	6.50	



5.5GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	5.10	7.00	99.32	
	116	5580	5.38	7.00		
	124	5620	4.91	7.00		
	132	5660	4.60	7.00		
	140	5700	4.61	7.00		
802.11n-HT20 MCS0	144	5720	4.63	7.00	100.00	
	100	5500	5.20	7.00		
	116	5580	5.21	7.00		
	124	5620	5.02	7.00		
	132	5660	4.71	7.00		
802.11n-HT40 MCS0	140	5700	4.75	7.00	100.00	
	134	5670	5.40	7.00		
	142	5710	5.29	7.00		
	100	5500	5.17	7.00		
	116	5580	5.19	7.00		
802.11ac-VHT20 MCS0	124	5620	5.00	7.00	100.00	
	132	5660	4.68	7.00		
	140	5700	4.72	7.00		
	144	5720	4.75	7.00		
	102	5510	5.67	7.00		
802.11ac-VHT40 MCS0	110	5550	5.77	7.00	100.00	
	126	5630	5.37	7.00		
	134	5670	5.40	7.00		
	142	5710	5.29	7.00		
	106	5530	5.76	7.00		
802.11ac-VHT80 MCS0	122	5610	5.69	7.00	100.00	
	138	5690	5.30	7.00		
802.11ac-VHT160 MCS0	114	5570	5.63	6.50	100.00	
802.11ax-HE20 MCS0	100	5500	5.30	7.00	98.54	
	116	5580	5.33	7.00		
	124	5620	5.10	7.00		
	132	5660	4.82	7.00		
	140	5700	4.87	7.00		
802.11ax-HE40 MCS0	144	5720	4.91	7.00	99.27	
	102	5510	5.78	7.00		
	110	5550	5.84	7.00		
	126	5630	5.44	7.00		
	134	5670	5.50	7.00		
802.11ax-HE80 MCS0	142	5710	5.37	7.00	98.91	
	106	5530	5.99	7.00		
	122	5610	5.80	7.00		
802.11ax-HE160 MCS0	138	5690	5.43	7.00	98.91	
	114	5570	5.76	6.50	98.91	

5.8GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	4.53	6.50	99.32	
	157	5785	4.52	6.50		
	165	5825	4.60	6.50		
802.11n-HT20 MCS0	149	5745	4.71	6.50	100.00	
	157	5785	4.65	6.50		
802.11n-HT40 MCS0	165	5825	4.69	6.50	100.00	
	151	5755	5.15	6.50		
802.11ac-VHT20 MCS0	159	5795	5.11	6.50	100.00	
	149	5745	4.68	6.50		
802.11ac-VHT40 MCS0	157	5785	4.62	6.50	100.00	
	165	5825	4.65	6.50		
802.11ac-VHT80 MCS0	151	5755	5.10	6.50	100.00	
	159	5795	5.07	6.50		
802.11ac-VHT160 MCS0	155	5775	5.05	6.50	100.00	
802.11ax-HE20 MCS0	149	5745	4.82	6.50	98.54	
	157	5785	4.77	6.50		
	165	5825	4.82	6.50		
802.11ax-HE40 MCS0	151	5755	5.20	6.50	99.27	
	159	5795	5.18	6.50		
802.11ax-HE80 MCS0	155	5775	5.13	6.50	98.91	



Power State C for WLAN

<WLAN 2.4GHz FCC>

2.4GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.50	18.00	100.00	
	6	2437	17.60	18.00		
	11	2462	17.50	18.00		
	12	2467	15.20	16.00		
	13	2472	12.30	13.00		
802.11g 6Mbps	1	2412	16.30	17.00	98.97	
	6	2437	17.20	18.00		
	11	2462	13.70	14.00		
	12	2467	8.00	9.00		
	13	2472	-1.20	0.00		
802.11n-HT20 MCS0	1	2412	17.50	18.00	100.00	
	6	2437	17.40	18.00		
	11	2462	9.50	10.50		
	12	2467	7.40	8.50		
	13	2472	-1.50	-1.50		
802.11n-HT40 MCS0	3	2422	10.60	11.50	100.00	
	6	2437	13.30	14.00		
	9	2452	10.60	11.50		
	10	2457	7.90	9.00		
	11	2462	0.60	1.00		
802.11ac-VHT20 MCS0	1	2412	17.40	18.00	100.00	
	6	2437	17.30	18.00		
	11	2462	9.40	10.50		
	12	2467	7.30	8.50		
	13	2472	-1.20	-1.50		
802.11ac-VHT40 MCS0	3	2422	10.50	11.50	100.00	
	6	2437	13.20	14.00		
	9	2452	10.50	11.50		
	10	2457	7.90	9.00		
	11	2462	0.50	1.00		
802.11ax-HE20 MCS0	1	2412	17.60	18.00	100.00	
	6	2437	17.50	18.00		
	11	2462	9.60	10.50		
	12	2467	7.60	8.50		
	13	2472	-1.40	0.00		
802.11ax-HE40 MCS0	3	2422	10.70	11.50	100.00	
	6	2437	13.40	14.00		
	9	2452	10.70	11.50		
	10	2457	8.00	9.00		
	11	2462	0.70	1.00		

<WLAN 5GHz FCC>

5.2GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.62	18.00	99.32	
	40	5200	16.51	18.00		
	44	5220	16.49	18.00		
	48	5240	16.54	18.00		
802.11n-HT20 MCS0	36	5180	16.66	18.00	100.00	
	40	5200	16.52	18.00		
	44	5220	16.55	18.00		
	48	5240	16.63	18.00		
802.11n-HT40 MCS0	38	5190	15.54	17.00	100.00	
	46	5230	16.82	18.00		
802.11ac-VHT20 MCS0	36	5180	16.63	18.00	100.00	
	40	5200	16.50	18.00		
	44	5220	16.52	18.00		
	48	5240	16.60	18.00		
802.11ac-VHT40 MCS0	38	5190	15.50	17.00	100.00	
802.11ac-VHT80 MCS0	40	5200	16.78	18.00	100.00	
802.11ax-HE20 MCS0	42	5210	13.01	14.00	98.54	
	36	5180	16.69	18.00		
	40	5200	16.56	18.00		
	44	5220	16.58	18.00		
802.11ax-HE40 MCS0	48	5240	16.66	18.00	99.27	
	38	5190	15.57	17.00		
	46	5230	16.85	18.00		
802.11ax-HE80 MCS0	42	5210	13.06	14.00	98.91	

5.3GHz WLAN

5.3GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5280	16.58	18.00	99.32	
	56	5280	16.47	18.00		
	60	5300	16.44	18.00		
	64	5320	16.39	18.00		
	52	5280	16.64	18.00		
802.11n-HT20 MCS0	56	5280	16.49	18.00	100.00	
	60	5300	16.53	18.00		
	64	5320	16.45	18.00		
	54	5270	17.27	18.00		
	62	5310	14.20	15.00		
802.11n-HT40 MCS0	52	5280	16.61	18.00	100.00	
	56	5280	16.47	18.00		
	60	5300	16.50	18.00		
	64	5320	16.42	18.00		
	54	5270	17.23	18.00		
802.11ac-VHT40 MCS0	62	5310	14.16	15.00	100.00	
	58	5290	14.66	16.00		
	50	5250	13.52	14.00		
802.11ac-VHT80 MCS0	52	5280	16.67	18.00	98.54	
	56	5280	16.52	18.00		
	60	5300	16.56	18.00		
	64	5320	16.48	18.00		
	54	5270	17.30	18.00		
802.11ax-HE40 MCS0	62	5310	14.23	15.00	99.27	
	58	5290	14.71	16.00		
	50	5250	13.56	14.00		
802.11ax-HE80 MCS0	50	5250	13.56	14.00	98.91	



5.8GHz WLAN			Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	16.40	18.00	99.32
	116	5550	16.60	18.00	
	124	5620	16.23	18.00	
	132	5660	16.31	18.00	
	140	5700	16.10	18.00	
802.11n-HT20 MCS0	144	5720	16.16	18.00	100.00
	100	5500	16.44	18.00	
	116	5580	16.66	18.00	
	124	5620	16.16	18.00	
	132	5660	16.14	18.00	
802.11n-HT40 MCS0	140	5700	16.17	18.00	100.00
	144	5720	16.20	18.00	
	102	5510	14.01	15.00	
	110	5550	17.26	18.00	
	126	5630	16.50	18.00	
802.11ac-VHT20 MCS0	134	5670	16.53	18.00	100.00
	142	5710	16.71	18.00	
	100	5500	16.41	18.00	
	116	5580	16.63	18.00	
	124	5620	16.15	18.00	
802.11ac-VHT40 MCS0	132	5660	16.13	18.00	100.00
	140	5700	16.14	18.00	
	144	5720	16.17	18.00	
	102	5510	13.97	15.00	
	110	5550	17.22	18.00	
802.11ac-VHT80 MCS0	126	5630	16.89	18.00	100.00
	134	5670	16.89	18.00	
	142	5710	16.67	18.00	
	106	5530	13.93	15.00	
	122	5610	17.05	18.00	
802.11ac-VHT160 MCS0	138	5690	16.70	18.00	100.00
802.11ax-HE20 MCS0	114	5570	14.44	15.00	100.00
802.11ax-HE40 MCS0	100	5500	16.47	18.00	98.54
	116	5580	16.69	18.00	
	124	5620	16.18	18.00	
	132	5660	16.16	18.00	
	140	5700	16.20	18.00	
802.11ax-HE80 MCS0	144	5720	16.23	18.00	99.27
	102	5510	14.04	15.00	
	110	5550	17.29	18.00	
	126	5630	16.93	18.00	
	134	5670	16.96	18.00	
802.11ax-HE160 MCS0	142	5710	16.74	18.00	98.91
	106	5530	13.98	15.00	
	122	5610	17.10	18.00	
802.11ax-HE160 MCS0	138	5690	16.75	18.00	98.91
802.11ax-HE160 MCS0	114	5570	14.48	15.00	98.91

5.8GHz WLAN			Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	16.13	18.00	99.32
	157	5785	16.15	18.00	
	165	5825	16.17	18.00	
802.11n-HT20 MCS0	149	5745	16.21	18.00	100.00
	157	5785	16.24	18.00	
	165	5825	16.08	18.00	
802.11n-HT40 MCS0	151	5755	16.80	18.00	100.00
	159	5795	16.89	18.00	
	149	5745	16.20	18.00	
802.11ac-VHT20 MCS0	157	5785	16.22	18.00	100.00
	165	5825	16.06	18.00	
	151	5755	16.78	18.00	
802.11ac-VHT40 MCS0	159	5795	16.97	18.00	100.00
	155	5775	16.76	18.00	
	149	5745	16.23	18.00	
802.11ax-HE20 MCS0	157	5785	16.26	18.00	98.54
	165	5825	16.28	18.00	
	151	5755	16.83	18.00	
802.11ax-HE40 MCS0	159	5795	16.92	18.00	99.27
	155	5775	16.78	18.00	
	149	5745	16.23	18.00	
802.11ax-HE80 MCS0	155	5775	16.78	18.00	98.91



Power State D for WLAN

<WLAN 2.4GHz FCC>						
2.4GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Ant 1 Duty Cycle %	
802.11b 1Mbps	1	2412	14.50	15.00	100.00	
	6	2437	14.50	15.00		
	11	2462	14.40	15.00		
	12	2467	14.20	15.00		
	13	2472	12.30	13.00		
802.11g 6Mbps	1	2412	14.20	15.00	98.97	
	6	2437	14.10	15.00		
	11	2462	13.70	14.00		
	12	2467	8.00	9.00		
	13	2472	-1.20	0.00		
802.11n-HT20 MCS0	1	2412	14.40	15.00	100.00	
	6	2437	14.20	15.00		
	11	2462	9.50	10.50		
	12	2467	7.40	8.50		
	13	2472	-1.50	-1.50		
802.11n-HT40 MCS0	6	2437	13.30	14.00	100.00	
	9	2452	10.60	11.50		
	10	2457	7.90	9.00		
	11	2462	0.80	1.00		
	1	2412	14.30	15.00		
802.11ac-VHT20 MCS0	6	2437	14.10	15.00	100.00	
	11	2462	9.40	10.50		
	12	2467	7.30	8.50		
	13	2472	-1.60	-1.50		
	3	2422	10.50	11.50		
802.11ac-VHT40 MCS0	6	2437	13.20	14.00	100.00	
	9	2452	10.50	11.50		
	10	2457	7.90	9.00		
	11	2462	0.50	1.00		
	1	2412	14.50	15.00		
802.11ax-HE20 MCS0	6	2437	14.30	15.00	100.00	
	11	2462	9.60	10.50		
	12	2467	7.50	8.50		
	13	2472	-1.40	0.00		
	3	2422	10.70	11.50		
802.11ax-HE40 MCS0	6	2437	13.40	14.00	100.00	
	9	2452	10.70	11.50		
	10	2457	8.00	9.00		
	11	2462	0.70	1.00		
	1	2412	14.50	15.00		

<WLAN 5GHz FCC>						
5.2GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Ant 1 Duty Cycle %	
802.11a 6Mbps	36	5180	12.41	14.00	99.32	
	40	5200	12.25	14.00		
	44	5220	12.28	14.00		
	48	5240	12.33	14.00		
	36	5180	12.56	14.00		
802.11n-HT20 MCS0	40	5200	12.43	14.00	100.00	
	44	5220	12.47	14.00		
	48	5240	12.52	14.00		
	38	5190	13.09	14.00		
	46	5230	13.40	14.00		
802.11n-HT40 MCS0	36	5180	12.52	14.00	100.00	
	40	5200	12.41	14.00		
	44	5220	12.43	14.00		
	48	5240	12.50	14.00		
	38	5190	13.06	14.00		
802.11ac-VHT20 MCS0	46	5230	13.36	14.00	100.00	
	42	5210	12.94	14.00		
	36	5180	12.68	14.00		
	40	5200	12.53	14.00		
	44	5220	12.57	14.00		
802.11ac-VHT40 MCS0	48	5240	12.65	14.00	98.54	
	38	5190	13.17	14.00		
	46	5230	13.49	14.00		
	42	5210	13.02	14.00		
	38	5190	13.17	14.00		
802.11ax-HE20 MCS0	46	5230	13.49	14.00	99.27	
	42	5210	13.02	14.00		
	36	5180	12.68	14.00		
	40	5200	12.53	14.00		
	44	5220	12.57	14.00		
802.11ax-HE40 MCS0	48	5240	12.65	14.00	98.91	
	38	5190	13.17	14.00		
	46	5230	13.49	14.00		
	42	5210	13.02	14.00		
	38	5190	13.17	14.00		

<WLAN 5.3GHz WLAN>						
5.3GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Ant 1 Duty Cycle %	
802.11a 6Mbps	52	5260	12.37	14.00	99.32	
	56	5280	12.21	14.00		
	60	5300	12.23	14.00		
	64	5320	12.18	14.00		
	52	5260	12.50	14.00		
802.11n-HT20 MCS0	56	5280	12.38	14.00	100.00	
	60	5300	12.41	14.00		
	64	5320	12.32	14.00		
	54	5270	13.38	14.00		
	62	5310	13.19	14.00		
802.11n-HT40 MCS0	52	5260	12.47	14.00	100.00	
	56	5280	12.34	14.00		
	60	5300	12.37	14.00		
	64	5320	12.29	14.00		
	54	5270	13.35	14.00		
802.11ac-VHT20 MCS0	62	5310	13.17	14.00	100.00	
	58	5290	13.18	14.00		
	50	5250	13.43	14		
	52	5260	12.66	14.00		
	56	5280	12.50	14.00		
802.11ac-VHT40 MCS0	60	5300	12.55	14.00	98.54	
	64	5320	12.47	14.00		
	54	5270	13.46	14.00		
	62	5310	13.27	14.00		
	58	5290	13.28	14.00		
802.11ax-HE20 MCS0	50	5250	13.52	14	98.91	
	52	5260	12.66	14.00		
	56	5280	12.50	14.00		
	60	5300	12.55	14.00		
	64	5320	12.47	14.00		
802.11ax-HE40 MCS0	54	5270	13.46	14.00	99.27	
	62	5310	13.27	14.00		
	58	5290	13.28	14.00		
	50	5250	13.52	14		
	52	5260	12.66	14.00		



5.5GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	12.19	14.00	99.32	
	116	5580	12.39	14.00		
	124	5620	12.26	14.00		
	132	5660	11.87	14.00		
	140	5700	11.89	14.00		
802.11n-HT20 MCS0	100	5500	12.32	14.00	100.00	
	116	5580	12.55	14.00		
	124	5620	12.47	14.00		
	132	5660	12.06	14.00		
	140	5700	12.08	14.00		
802.11n-HT40 MCS0	102	5510	13.01	14.00	100.00	
	110	5550	13.37	14.00		
	126	5630	13.02	14.00		
	134	5670	13.04	14.00		
	142	5710	12.81	14.00		
802.11ac-VHT20 MCS0	100	5500	12.30	14.00	100.00	
	116	5580	12.51	14.00		
	124	5620	12.44	14.00		
	132	5660	12.03	14.00		
	140	5700	12.06	14.00		
802.11ac-VHT40 MCS0	102	5510	12.97	14.00	100.00	
	110	5550	13.34	14.00		
	126	5630	12.98	14.00		
	134	5670	13.01	14.00		
	142	5710	12.78	14.00		
802.11ac-VHT80 MCS0	106	5530	12.88	14.00	100.00	
	122	5610	13.04	14.00		
802.11ac-VHT160 MCS0	138	5690	12.70	14.00	100.00	
802.11ax-HE20 MCS0	114	5570	13.38	14.00	98.54	
	100	5500	12.46	14.00		
	116	5580	12.39	14.00		
	124	5620	12.26	14.00		
	132	5660	11.87	14.00		
802.11ax-HE40 MCS0	102	5510	13.08	14.00	99.27	
	110	5550	13.45	14.00		
	126	5630	13.11	14.00		
	134	5670	13.12	14.00		
	142	5710	12.90	14.00		
802.11ax-HE80 MCS0	106	5530	12.97	14.00	98.91	
	122	5610	13.13	14.00		
802.11ax-HE160 MCS0	138	5690	12.78	14.00	98.91	
802.11ax-HE160 MCS0	114	5570	13.46	14.00	98.91	

5.8GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	12.00	14.00	99.32	
	157	5785	11.93	14.00		
802.11n-HT20 MCS0	149	5745	12.13	14.00	100.00	
	157	5785	12.08	14.00		
802.11n-HT40 MCS0	149	5745	12.15	14.00	100.00	
	151	5755	12.62	14.00		
802.11ac-VHT20 MCS0	149	5745	12.59	14.00	100.00	
	157	5785	12.10	14.00		
802.11ac-VHT40 MCS0	149	5745	12.05	14.00	100.00	
	157	5785	12.13	14.00		
802.11ac-VHT80 MCS0	151	5755	12.60	14.00	100.00	
	159	5795	12.66	14.00		
802.11ax-HE20 MCS0	149	5745	12.61	14.00	98.54	
	157	5785	12.23	14.00		
802.11ax-HE40 MCS0	149	5745	12.27	14.00	99.27	
	151	5755	12.70	14.00		
802.11ax-HE80 MCS0	149	5745	12.67	14.00	98.91	
	155	5775	12.70	14.00		





### Conducted Power for Bluetooth

<del>BR/EDR</del>			Ant. 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.20	4.00	4.00
	CH 39	2441	7.40	4.10	4.10
	CH 78	2480	7.30	4.80	4.60
Tune-up Limit			9	7	7

BT LE			Ant. 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	
LE	CH 00	2402	6.70	6.80	
	CH 19	2440	6.80	6.90	
	CH 39	2480	7.10	7.20	
Tune-up Limit			9	9	

### Power Verification Data

Sample	Mode	Frequency (MHz)	Measure Power (Power State A) & Range (dBm)	Measure Power (Power State B) & Range (dBm)	Measure Power (Power State C) & Range (dBm)	Measure Power (Power State D) & Range (dBm)
1	802.11g 6Mbps	2437	13.86 (11-15)	11.54 (8.5-12.25)	16.8 (14-18)	13.8 (11-15)
1	802.11a, 6 Mbps	5600	9.72 (8.75-12.75)	5.56 (3-7)	15.4 (14-18)	11.21 (10-14)
1	802.11 ax 160 MHz	6185	9.85 (6.75-10.75)	2.8 (2.5-6.5)	13.6 (13-17)	10.1(10-14)