



WLAN/Bluetooth Power

2.4GHz WLAN					Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	14.97	15.00	100.00	
	6	2437	14.91	15.00		
	11	2462	14.82	15.00		
	12	2467	14.95	15.00		
	13	2472	14.96	15.00		
802.11g 6Mbps	1	2412	14.30	15.00	97.46	
	6	2437	14.39	15.00		
	11	2462	14.37	15.00		
	12	2467	14.26	15.00		
	13	2472	11.86	13.00		
802.11n-HT20 MCS0	1	2412	14.61	15.00	97.28	
	6	2437	14.64	15.00		
	11	2462	14.65	15.00		
	12	2467	14.57	15.00		
	13	2472	14.67	15.00		
802.11ax-HE20 MCS0	1	2412	14.88	15.00	99.44	
	6	2437	14.87	15.00		
	11	2462	14.83	15.00		
	12	2467	14.89	15.00		
	13	2472	14.93	15.00		

Ant 2						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.75	19.00	100.00	
	6	2437	18.48	19.00		
	11	2462	18.23	19.00		
	12	2467	18.32	19.00		
	13	2472	18.16	19.00		
802.11g 6Mbps	1	2412	16.84	18.00	97.46	
	6	2437	16.95	18.00		
	11	2462	16.62	18.00		
	12	2467	16.50	18.00		
	13	2472	14.53	16.00		
802.11n-HT20 MCS0	1	2412	15.77	17.00	97.30	
	6	2437	15.84	17.00		
	11	2462	15.51	17.00		
	12	2467	15.58	17.00		
	13	2472	15.06	17.00		
802.11ax-HE20 MCS0	1	2412	16.05	17.00	99.44	
	6	2437	17.18	18.50		
	11	2462	15.52	17.00		
	12	2467	15.55	17.00		
	13	2472	15.53	17.00		

5.2GHz WLAN					Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	12.45	13.50	97.46	
	40	5200	12.57	13.50		
	44	5220	12.84	13.50		
	48	5240	12.78	13.50		
802.11n-HT20 MCS0	36	5180	12.88	13.50	97.28	
	40	5200	12.91	13.50		
	44	5220	13.18	13.50		
	48	5240	13.14	13.50		
802.11n-HT40 MCS0	38	5190	13.22	13.50	94.92	
	46	5230	13.35	13.50		
	42	5210	13.00	13.50		
802.11ac-VHT20 MCS0	40	5200	12.97	13.50	97.85	
	44	5220	13.31	13.50		
	48	5240	13.24	13.50		
	38	5190	13.31	13.50		
802.11ac-VHT40 MCS0	46	5230	13.40	13.50	94.95	
	42	5210	13.04	13.50		
802.11ac-VHT80 MCS0	36	5180	13.32	13.50	91.09	
	40	5200	13.31	13.50		
	44	5220	13.39	13.50		
	48	5240	13.47	13.50		
802.11ax-HE20 MCS0	38	5190	13.33	13.50	99.44	
	46	5230	13.42	13.50		
	42	5210	13.40	13.50		
802.11ax-HE40 MCS0	42	5210	13.40	13.50	98.19	
	46	5230	13.42	13.50		
802.11ax-HE80 MCS0	42	5210	13.40	13.50	96.38	
	46	5230	13.42	13.50		

Ant 2						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	17.75	19.00	98.27	
	40	5200	17.81	19.00		
	44	5220	18.01	19.00		
	48	5240	17.96	19.00		
802.11n-HT20 MCS0	36	5180	17.18	18.00	97.60	
	40	5200	17.16	18.00		
	44	5220	17.33	18.00		
	48	5240	17.29	18.00		
802.11n-HT40 MCS0	38	5190	16.50	17.00	94.70	
	46	5230	16.58	17.00		
	42	5210	17.22	18.00		
802.11ac-VHT20 MCS0	40	5200	17.23	18.00	97.63	
	44	5220	17.39	18.00		
	48	5240	17.33	18.00		
	38	5190	18.07	19.00		
802.11ac-VHT40 MCS0	46	5230	18.11	19.00	94.33	
	42	5210	15.34	15.50		
802.11ac-VHT80 MCS0	36	5180	17.62	18.00	89.92	
	40	5200	17.58	18.00		
	44	5220	17.75	18.00		
	48	5240	17.70	18.00		
802.11ax-HE20 MCS0	38	5190	18.31	19.00	98.18	
	46	5230	18.33	19.00		
	42	5210	15.53	17.00		
802.11ax-HE40 MCS0	42	5210	15.53	17.00	98.19	
	46	5230	18.33	19.00		
802.11ax-HE80 MCS0	42	5210	15.53	17.00	96.37	
	46	5230	18.33	19.00		

5.3GHz WLAN					Ant 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	11.80	13.00	97.46	
	56	5280	11.84	13.00		
	60	5300	11.50	13.00		
	64	5320	11.57	13.00		
802.11n-HT20 MCS0	52	5260	12.61	13.00	97.28	
	56	5280	12.55	13.00		
	60	5300	12.50	13.00		
	64	5320	12.52	13.00		
802.11n-HT40 MCS0	54	5270	11.76	13.00	94.92	
	62	5310	11.78	13.00		
	52	5260	12.63	13.00		
802.11ac-VHT20 MCS0	56	5280	12.62	13.00	97.85	
	60	5300	12.55	13.00		
	64	5320	12.61	13.00		
	54	5270	11.84	13.00		
802.11ac-VHT40 MCS0	62	5310	11.80	13.00	94.95	
	58	5290	12.74	13.00		
802.11ac-VHT80 MCS0	52	5260	12.90	13.00	91.09	
	56	5280	12.87	13.00		
	60	5300	12.87	13.00		
	64	5320	12.83	13.00		
802.11ax-HE20 MCS0	54	5270	11.86	13.00	99.44	
	62	5310	11.95	13.00		
	54	5270	11.86	13.00		
802.11ax-HE40 MCS0	62	5310	11.95	13.00	98.19	
	58	5290	12.89	13.00		
802.11ax-HE80 MCS0	58	5290	12.89	13.00	96.38	
	62	5310	11.95	13.00		

Ant 2						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	16.02	17.00	98.27	
	56	5280	15.94	17.00		
	60	5300	15.69	17.00		
	64	5320	15.85	17.00		
802.11n-HT20 MCS0	52	5260	15.19	16.00	97.60	
	56	5280	15.11	16.00		
	60	5300	15.12	16.00		
	64	5320	15.24	16.00		
802.11n-HT40 MCS0	54	5270	15.36	16.00	94.70	
	62	5310	15.40	16.00		
	52	5260	15.26	16.00		
802.11ac-VHT20 MCS0	56	5280	15.18	16.00	97.63	
	60	5300	15.16	16.00		
	64	5320	15.30	16.00		
	54	5270	15.44	16.00		
802.11ac-VHT40 MCS0	62	5310	15.47	16.00	94.33	
	58	5290	14.86	15.00		
802.11ac-VHT80 MCS0	52	5260	15.65	16.00	89.92	
	56	5280	15.58	16.00		
	60	5300	15.54	16.00		
	64	5320	15.67	16.00		
802.11ax-HE20 MCS0	54	5270	15.80	16.00	98.18	
	62	5310	15.86	16.00		
	54	5270	15.80	16.00		
802.11ax-HE40 MCS0	62	5310	15.86	16.00	98.19	
	58	5290	15.02	16.00		
802.11ax-HE80 MCS0	58	5290	15.02	16.00	96.37	
	62	5310	15.86	16.00		



5.8GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	10.96	11.00	97.46	
	116	5580	10.78	11.00		
	124	5620	10.63	11.00		
	132	5660	10.75	11.00		
	140	5700	10.92	11.00		
802.11n-HT20 MCS0	100	5500	10.36	11.00	97.28	
	116	5580	10.31	11.00		
	124	5620	10.46	11.00		
	132	5660	10.47	11.00		
	140	5700	10.45	11.00		
802.11n-HT40 MCS0	100	5500	10.84	11.00	94.92	
	110	5550	10.84	11.00		
	126	5630	10.68	11.00		
	134	5670	10.72	11.00		
	142	5710	10.77	11.00		
802.11ac-VHT20 MCS0	100	5500	10.48	11.00	97.85	
	116	5580	10.42	11.00		
	124	5620	10.54	11.00		
	132	5660	10.56	11.00		
	140	5700	10.51	11.00		
802.11ac-VHT40 MCS0	100	5500	10.66	11.00	94.95	
	102	5510	10.90	11.00		
	110	5550	10.87	11.00		
	126	5630	10.73	11.00		
	134	5670	10.79	11.00		
802.11ac-VHT80 MCS0	106	5530	10.66	11.00	91.09	
	122	5610	10.68	11.00		
	138	5690	10.67	11.00		
	100	5500	10.75	11.00		
	116	5580	10.70	11.00		
802.11ax-HE20 MCS0	100	5500	10.75	11.00	99.44	
	116	5580	10.70	11.00		
	124	5620	10.78	11.00		
	132	5660	10.77	11.00		
	140	5700	10.70	11.00		
802.11ax-HE40 MCS0	100	5500	10.91	11.00	98.19	
	110	5550	10.95	11.00		
	126	5630	10.97	11.00		
	134	5670	10.99	11.00		
	142	5710	10.96	11.00		
802.11ax-HE80 MCS0	106	5530	10.97	11.00	96.38	
	122	5610	10.95	11.00		
	138	5690	10.92	11.00		

5.8GHz WLAN				Ant 1		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	11.05	12.00	97.46	
	157	5785	10.99	12.00		
	165	5825	10.84	12.00		
802.11n-HT20 MCS0	149	5745	11.01	12.00	97.28	
	157	5785	11.25	12.00		
	165	5825	10.85	12.00		
802.11n-HT40 MCS0	151	5755	11.37	12.00	94.92	
	159	5795	11.51	12.00		
	149	5745	11.10	12.00		
802.11ac-VHT20 MCS0	149	5745	11.27	12.00	97.85	
	157	5785	11.27	12.00		
	165	5825	10.68	12.00		
802.11ac-VHT40 MCS0	151	5755	11.41	12.00	94.95	
	159	5795	11.56	12.00		
	802.11ac-VHT80 MCS0	155	5775	11.13		12.00
802.11ax-HE20 MCS0	149	5745	11.33	12.00	99.44	
	157	5785	11.49	12.00		
	165	5825	11.01	12.00		
802.11ax-HE40 MCS0	151	5755	11.59	12.00	98.19	
	159	5795	11.76	12.00		
802.11ax-HE80 MCS0	155	5775	11.59	12.00	96.38	

Ant 2						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	15.70	17.00	98.27	
	116	5580	15.85	17.00		
	124	5620	15.76	17.00		
	132	5660	15.85	17.00		
	140	5700	15.81	17.00		
	144	5720	15.79	17.00		
802.11n-HT20 MCS0	100	5500	16.10	17.00	97.60	
	116	5580	16.00	17.00		
	124	5620	15.88	17.00		
	132	5660	15.93	17.00		
	140	5700	15.64	17.00		
	144	5720	15.90	17.00		
802.11n-HT40 MCS0	102	5510	15.89	17.00	94.70	
	110	5550	15.97	17.00		
	126	5630	15.76	17.00		
	134	5670	15.53	17.00		
	142	5710	15.90	17.00		
	100	5500	16.15	17.00		
802.11ac-VHT20 MCS0	116	5580	16.05	17.00	97.63	
	124	5620	16.05	17.00		
	132	5660	15.99	17.00		
	140	5700	15.71	17.00		
	144	5720	15.98	17.00		
	102	5510	15.90	17.00		
802.11ac-VHT40 MCS0	110	5550	15.99	17.00	94.33	
	126	5630	15.82	17.00		
	134	5670	15.60	17.00		
	142	5710	15.95	17.00		
	106	5530	15.63	17.00		
	122	5610	15.59	17.00		
802.11ac-VHT80 MCS0	138	5690	15.80	17.00	89.92	
	100	5500	16.52	17.00		
	116	5580	16.43	17.00		
	124	5620	16.45	17.00		
	132	5660	16.41	17.00		
	140	5700	16.08	17.00		
802.11ax-HE20 MCS0	144	5720	16.45	17.00	99.18	
	102	5510	16.29	17.00		
	110	5550	16.32	17.00		
	126	5630	16.15	17.00		
	134	5670	16.01	17.00		
	142	5710	16.29	17.00		
802.11ax-HE40 MCS0	106	5530	16.14	17.00	98.19	
	122	5610	16.58	17.00		
	138	5690	16.32	17.00		
802.11ax-HE80 MCS0	155	5775	14.78	16.00	96.37	

Ant 2						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	15.03	16.00	98.27	
	157	5785	14.71	16.00		
	165	5825	15.14	16.00		
802.11n-HT20 MCS0	149	5745	14.90	16.00	97.60	
	157	5785	14.48	16.00		
	165	5825	14.99	16.00		
802.11n-HT40 MCS0	151	5755	14.57	16.00	94.70	
	159	5795	14.73	16.00		
	149	5745	14.93	16.00		
802.11ac-VHT20 MCS0	149	5745	14.59	16.00	97.63	
	157	5785	14.59	16.00		
	165	5825	15.08	16.00		
802.11ac-VHT40 MCS0	151	5755	15.14	16.00	94.33	
	159	5795	14.77	16.00		
	802.11ac-VHT80 MCS0	155	5775	14.96		16.00
802.11ax-HE20 MCS0	149	5745	15.20	16.00	99.18	
	157	5785	14.86	16.00		
	165	5825	14.91	16.00		
802.11ax-HE40 MCS0	151	5755	15.33	16.00	98.19	
	159	5795	15.02	16.00		
802.11ax-HE80 MCS0	155	5775	14.78	16.00	96.37	

**BT BR/EDR Ant3**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	5.88	3.90	3.46	7.00
	CH 39	2441	5.39	3.66	3.80	7.00
	CH 76	2480	5.16	3.02	3.50	7.00

BLE_1M Ant3

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.49
	CH 19	2440	5.66
	CH 39	2480	5.77
Tune-up Limit			7.00

BLE_2M Ant3

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.71
	CH 19	2440	5.76
	CH 39	2480	5.73
Tune-up Limit			7.00