

Conducted Power for BT/WLAN

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth Ant 6	CH 0	2402	6.90	6.90	7.00	6.00	6.00	6.10	6.00	6.00	6.10	8.50
	CH 39	2441	7.70	7.70	7.80	6.80	6.80	6.90	6.80	6.80	6.90	9.50
	CH 78	2480	5.90	5.90	6.00	4.90	4.90	5.00	4.90	4.90	5.00	7.50

BT LE Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	5.40	5.30	7.00
	CH 19	2440	6.40	6.30	8.00
	CH 39	2480	4.10	4.00	5.50

BT BR/EDR Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth Ant 5	CH 0	2402	6.37	6.38	6.40	4.94	4.96	4.98	4.94	4.96	4.98	8.00
	CH 39	2441	7.71	7.72	7.74	6.22	6.24	6.26	6.22	6.24	6.26	9.00
	CH 78	2480	5.30	5.31	5.32	3.78	3.80	3.82	3.78	3.80	3.82	7.00

BT LE Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	4.79	4.75	6.00
	CH 19	2440	6.20	6.19	7.50
	CH 39	2480	3.84	3.80	5.00



2.4GHz WLAN									
Mode	Channel	Frequency (MHz)	Full Power (Maximum dBi)		d'Antenna (Max dBi)	at Head		at Head	at Head
			Average power (dBm)	Time-Up Limit		Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit
802.11b Mbps	1	2412	18.00	18.50	13.80	18.00	11.00	12.50	100.00
	6	2437	18.10	18.50	13.40	18.00	11.20	12.50	
	11	2462	18.00	18.50	12.70	14.50	10.80	12.00	
802.11g Mbps	1	2412	18.00	18.00		18.00		12.50	99.27
	6	2437	17.50	18.00		18.00		12.50	
	11	2462	14.70	18.00		15.00		12.50	
802.11n-HT20 MCS0	1	2412	14.40	18.00		15.00		12.50	100.00
	6	2437	17.20	18.00		18.00		12.50	
	11	2462	15.80	15.50		15.00		12.50	
802.11n-HT40 MCS0	3	2422	12.70	14.50		15.00		12.50	100.00
	4	2427	15.00	18.00		18.00		12.50	
	6	2437	16.30	18.00		18.00		12.50	
802.11ac-VHT20 MCS0	8	2447	16.50	16.50		15.00		12.50	100.00
	9	2452	15.70	13.00		15.00		12.50	
	1	2412	16.30	16.50		15.00		12.50	
802.11ac-VHT40 MCS0	8	2447	17.10	18.00		15.00		12.50	100.00
	11	2462	15.70	15.50	Not Required	15.00	Not Required	12.50	
	3	2422	12.00	14.50		15.00		12.50	
802.11ac-VHT80 MCS0	4	2427	14.50	16.50		15.00		12.50	100.00
	6	2437	16.20	18.00		15.00		12.50	
	8	2447	14.80	18.00		15.00		12.50	
802.11ac-HE20 MCS0	9	2452	11.80	13.00		15.00		12.50	100.00
	1	2412	14.80	18.00		15.00		12.50	
	6	2437	14.50	18.00		15.00		12.50	
802.11ac-HE40 MCS0	3	2422	13.80	14.50		15.00		12.50	100.00
	4	2427	14.10	18.00		15.00		12.50	
	6	2437	16.40	18.00		15.00		12.50	
802.11ac-HE80 MCS0	8	2447	14.80	18.00		15.00		12.50	100.00
	9	2452	11.80	13.00		15.00		12.50	
	1	2412	14.80	18.00		15.00		12.50	

2.4GHz WLAN									
Mode	Channel	Frequency (MHz)	Full Power (Maximum dBi)		d'Antenna (Max dBi)	at Head		at Head	at Head
			Average power (dBm)	Time-Up Limit		Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit
802.11b Mbps	1	2412	18.00	20.50	18.00	21.10	20.00	14.50	18.00
	6	2437	18.80	20.50	18.10	21.10	20.00	14.50	18.00
	11	2462	18.10	20.50	18.00	21.80	20.00	13.80	12.70
802.11g Mbps	1	2412	18.00	19.50	18.00	20.50	22.00	18.00	15.00
	6	2437	18.80	20.00	17.50	20.00	21.50	18.00	15.00
	11	2462	15.80	17.00	14.70	16.00	16.10	15.00	15.00
802.11n-HT20 MCS0	1	2412	15.80	17.00	14.40	16.00	16.00	15.00	15.00
	6	2437	16.50	20.00	17.20	18.00	20.00	15.00	15.00
	11	2462	14.70	16.50	13.80	15.50	17.00	16.00	15.00
802.11n-HT40 MCS0	3	2422	13.10	14.50	12.70	14.50	15.00	14.50	15.00
	4	2427	15.00	18.00	15.00	18.00	18.00	15.00	15.00
	6	2437	17.60	19.00	16.30	18.00	20.00	15.00	15.00
802.11ac-VHT20 MCS0	8	2447	16.40	18.00	14.50	16.00	18.00	20.00	15.00
	9	2452	17.70	14.50	13.70	15.00	15.20	14.50	14.00
	1	2412	15.50	17.00	14.30	16.00	17.80	16.00	15.00
802.11ac-VHT40 MCS0	8	2447	16.40	20.00	17.10	18.00	20.80	22.50	15.00
	11	2462	14.50	16.50	13.70	15.00	15.20	14.50	14.00
	3	2422	13.00	14.50	12.80	14.00	15.80	17.00	14.50
802.11ac-VHT80 MCS0	4	2427	14.80	18.50	14.50	16.50	17.50	16.00	15.00
	6	2437	16.50	18.00	14.50	16.00	18.00	15.00	15.00
	8	2447	16.30	18.00	14.40	16.00	18.00	20.00	15.00
802.11ac-HE20 MCS0	9	2452	12.80	14.00	11.80	13.00	15.14	16.50	14.00
	1	2412	14.80	17.00	14.80	15.00	16.00	15.00	15.00
	6	2437	16.70	20.00	17.50	19.00	21.75	22.50	15.00
802.11ac-HE40 MCS0	11	2462	14.80	18.50	14.00	15.00	17.48	19.00	16.00
	3	2422	12.20	14.50	12.80	14.80	14.50	14.50	15.00
	4	2427	15.10	18.50	15.10	16.00	18.11	19.00	16.00
802.11ac-HE80 MCS0	6	2437	17.70	19.00	16.40	18.00	20.11	21.50	16.00
	8	2447	16.50	18.00	14.80	16.00	18.80	20.00	16.00
	9	2452	12.80	14.00	11.80	13.00	15.14	16.50	14.00

5.2GHz WLAN									
Mode	Channel	Frequency (MHz)	Full Power (Maximum dBi)		d'Antenna (Max dBi)	at Head		at Head	at Head
			Average power (dBm)	Time-Up Limit		Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit
802.11b Mbps	36	5180	12.17	14.00	13.98	15.50	16.11	16.00	14.00
	40	5205	12.25	14.00	13.78	15.50	16.08	18.00	14.00
	44	5230	12.30	14.00	13.58	15.00	16.06	17.00	14.00
802.11g Mbps	48	5240	12.33	14.00	14.08	16.00	16.01	17.50	14.00
	36	5180	12.84	14.00	14.36	15.50	16.09	18.00	14.00
	40	5205	12.58	14.00	14.33	15.50	16.05	18.00	14.00
802.11n-HT20 MCS0	44	5230	12.38	14.00	14.18	16.00	16.03	17.50	14.00
	48	5240	13.23	14.50	14.66	16.00	17.03	18.50	14.50
	36	5180	14.88	18.00	16.38	17.50	18.63	20.00	17.00
802.11n-HT40 MCS0	48	5240	14.73	18.00	14.73	16.50	16.51	20.00	15.00
	36	5180	13.00	14.50	14.31	15.00	16.55	18.00	14.00
	40	5205	12.52	14.00	14.27	15.50	16.49	18.00	14.00
802.11ac-VHT20 MCS0	44	5240	13.23	14.00	14.08	16.00	16.01	17.50	14.00
	36	5180	13.21	14.50	14.08	16.00	17.01	18.50	14.50
	48	5240	13.21	14.50	14.08	16.00	17.01	18.50	14.50
802.11ac-VHT40 MCS0	36	5180	11.51	13.00	13.53	14.50	15.84	17.00	13.00
	48	5240	11.80	13.00	13.15	14.50	15.84	17.00	13.00
	44	5230	11.56	13.00	13.13	14.50	15.83	17.00	13.00
802.11ac-VHT80 MCS0	42	5215	11.58	13.00	13.13	14.50	15.83	17.00	13.00
	36	5180	11.38	14.50	15.10	16.00	17.33	18.50	14.50
	40	5205	11.80	14.50	14.80	16.00	17.06	18.50	14.50
802.11ac-HE20 MCS0	44	5230	13.42	14.50	14.85	16.00	17.00	18.50	14.50
	48	5240	13.32	14.50	14.79	16.00	17.13	19.00	14.50
	36	5180	11.62	13.00	13.51	14.50	15.74	17.00	13.00
802.11ac-HE40 MCS0	48	5240	11.71	13.00	13.21	14.50	15.83	17.00	13.00
	44	5230	11.70	13.00	13.27	14.50	15.87	17.00	13.00
	42	5215	11.70	13.00	13.27	14.50	15.87	17.00	13.00

5.2GHz WLAN			Full Power						at Head										at Body with Headset						Daily Cycle %
Mode	Channel	Frequency (MHz)	Ant 1		Ant 2		Ant 3		Ant 4		Ant 5		Ant 6		Ant 7		Ant 8		Ant 9		Ant 10				
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			
802.11a Mbps	32	5260	17.22	18.50	17.88	19.50	20.08	22.00	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	36	5285	17.08	18.50	17.84	19.50	20.47	22.00	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	40	5310	17.10	18.50	17.91	19.50	20.44	22.00	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	44	5330	17.74	19.00	18.42	20.00	21.11	22.50	Not Required	Not Required	Not Required	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	48	5350	16.97	17.00	16.58	18.00	19.29	20.50	Not Required	Not Required	Not Required	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	52	5370	16.79	17.00	16.52	18.00	19.17	20.50	Not Required	Not Required	Not Required	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	56	5390	15.81	17.00	16.80	18.00	19.23	20.50	Not Required	Not Required	Not Required	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	60	5410	16.80	17.00	17.15	18.00	19.85	21.00	Not Required	Not Required	Not Required	17.15	18.00	19.85	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			
	64	5430	16.48	17.00	16.05	17.50	18.51	20.00	13.54	14.00	14.50	15.50	16.00	16.50	Not Required	Not Required	Not Required	10.00	10.00	10.00	10.00	10.00	10.00		
	68	5450	15.11	17.50	16.55	18.00	19.36	21.00	14.14	15.00	16.00	19.34	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
802.11b Mbps	32	5260	15.93	15.00	14.40	16.00	17.29	18.50	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	36	5285	13.77	15.00	14.58	16.00	17.19	18.50	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	40	5310	13.59	15.00	14.65	16.00	17.25	18.50	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	44	5330	14.70	16.00	15.12	16.50	17.63	19.50	15.00	15.00	16.00	19.00	19.00	19.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	48	5350	15.81	14.00	13.10	14.50	15.82	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	52	5370	12.61	14.00	13.01	14.50	15.82	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	56	5390	11.54	14.00	11.53	14.50	15.85	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	60	5410	12.46	14.00	15.00	14.50	15.75	17.50	14.00	14.00	14.00	17.50	17.50	17.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	64	5430	11.53	13.00	13.22	14.50	15.47	17.00	Not Required	Not Required	Not Required	14.00	14.00	14.00	17.00	10.10	10.00	10.89	12.00	13.09	14.00	10.00	10.00		
	68	5450	10.54	15.00	14.75	16.00	17.00	18.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
802.11g Mbps	32	5260	13.86	15.00	14.75	16.00	17.00	18.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	36	5285	13.90	15.00	14.78	16.00	17.37	18.50	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	40	5310	14.81	16.00	15.25	16.50	17.63	19.50	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	44	5330	12.72	14.00	13.08	14.50	15.82	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	48	5350	13.25	14.00	13.61	14.50	15.44	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	52	5370	12.60	14.00	12.60	14.50	15.84	17.00	14.00	14.00	14.00	17.00	17.00	17.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	56	5390	11.72	13.00	13.47	14.50	15.68	17.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	60	5410	11.72	13.00	13.47	14.50	15.68	17.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	64	5430	11.72	13.00	13.47	14.50	15.68	17.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
	68	5450	11.72	13.00	13.47	14.50	15.68	17.00	13.00	13.00	13.00	16.00	16.00	16.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		