

TABLE A POWER IN DBM VERSUS POWER IN WATTS

Level (dBm)	Power	Notes
80	100 kW	Typical transmission power of FM-radio station with 50-km range
60	1 kW	Typical combined radiated-RF power of microwave-oven elements
50	100W	Typical thermal radiation emitted by a human body
40	10W	Typical PLC (power-line carrier) transmitting power
36	4W	Typical maximum output power for a Citizens' band radio station (27 MHz) in many countries
33	2W	Maximum output from a UMTS (Universal Mobile Telecom System)/3G (third-generation) mobile phone (Power Class 1 mobiles); maximum output from a GSM (global-system-for-mobile)-communication 850/900 mobile phone
30	1W	Typical RF leakage from a microwave oven; maximum output power for 1800-MHz DCS (digital-cellular-system) mobile phone; maximum output from a GSM 1800/1900 mobile phone
27	500 mW	Typical cellular-phone transmission power; maximum output from a UMTS/3G mobile phone (Power Class 2 mobiles)
26	400 mW	Access point for wireless networking
24	250 mW	Maximum output from a UMTS/3G mobile phone (Power Class 3 mobiles)
21	125 mW	Maximum output from a UMTS/3G mobile phone (Power Class 4 mobiles)
20	100 mW	Bluetooth Class 1 radio, 100m range (maximum output power from an unlicensed FM transmitter); typical wireless-router-transmission power; maximum exterior router protocol allowed by European Telecommunications Standards Institute in Europe
15	32 mW	Typical Wi-Fi transmission power in laptops
10	10 mW	
4	2.5 mW	Bluetooth Class 2 radio, 10m range
0	1 mW	Bluetooth standard Class 3 radio, 1m range
−10	100 μW	Typical maximum received signal power (−10 to −30 dBm) of wireless network
−20	10 μW	
−30	1 μW	
−40	100 nW	
−50	10 nW	
−60	1 nW	The Earth receives 1 nW/m³ from a magnitude +3.5 star
−70	100 pW	Typical wireless (802.11x) received-signal power
−80	10 pW	Receive threshold for most WLAN devices
−100	0.1 pW	
−111	0.008 pW	Thermal noise floor for commercial GPS (global-positioning-system) single channel signal bandwidth (2 MHz)
−127.5	0.178 fW	Typical received-signal power from a GPS satellite
−174	0.004 aW	Thermal noise floor for 1-Hz bandwidth at room temperature (20°C)
−192.5	0.056 zW	Thermal noise floor for 1-Hz bandwidth in outer space (4K)
− ∞	0W	Zero power is not well expressed in decibels referred to milliwatts; the value is negative infinity.

(courtesy Wikipedia, <http://en.wikipedia.org/wiki/DBm>)