

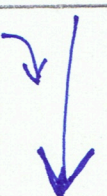
How is the Intensity of EMF Radiation Measured?

The intensity is measured as power density, which is defined as power per unit area. It is expressed in Watts per square meter (W/m^2) or as power ratio in decibels (dBm).

Number of Times Above Nature	Engineering Units	Key Thresholds
1,000,000,000,000,000	35 dBm = $1,800 \text{ W/m}^2 = 180 \text{ mW/cm}^2$	thermal limit
300,000,000,000,000	30 dBm = $580 \text{ W/m}^2 = 58 \text{ mW/cm}^2$	
100,000,000,000,000	25 dBm = $180 \text{ W/m}^2 = 18 \text{ mW/cm}^2$	
30,000,000,000,000	20 dBm = $58 \text{ W/m}^2 = 5.8 \text{ mW/cm}^2$	
10,000,000,000,000	15 dBm = $18 \text{ W/m}^2 = 1.8 \text{ mW/cm}^2$	USA, Canada
3,000,000,000,000	10 dBm = $5.8 \text{ W/m}^2 = 580 \mu\text{W/cm}^2$	
1,000,000,000,000	5 dBm = $1.8 \text{ W/m}^2 = 180 \mu\text{W/cm}^2$	
300,000,000,000	0 dBm = $580 \text{ mW/m}^2 = 58 \mu\text{W/cm}^2$	
100,000,000,000	-5 dBm = $180 \text{ mW/m}^2 = 18 \mu\text{W/cm}^2$	China, Russia, Switzerland
30,000,000,000	-10 dBm = $58 \text{ mW/m}^2 = 5.8 \mu\text{W/cm}^2$	
10,000,000,000	-15 dBm = $18 \text{ mW/m}^2 = 1.8 \mu\text{W/cm}^2$	
3,000,000,000	-20 dBm = $5.8 \text{ mW/m}^2 = 580 \text{ nW/cm}^2$	
1,000,000,000	-25 dBm = $1.8 \text{ mW/m}^2 = 180 \text{ nW/cm}^2$	extreme anomaly*
300,000,000	-30 dBm = $580 \mu\text{W/m}^2 = 58 \text{ nW/cm}^2$	
100,000,000	-35 dBm = $180 \mu\text{W/m}^2 = 18 \text{ nW/cm}^2$	
30,000,000	-40 dBm = $58 \mu\text{W/m}^2 = 5.8 \text{ nW/cm}^2$	
10,000,000	-45 dBm = $18 \mu\text{W/m}^2 = 1.8 \text{ nW/cm}^2$	severe anomaly*
3,000,000	-50 dBm = $5.8 \mu\text{W/m}^2 = 580 \text{ pW/cm}^2$	
1,000,000	-55 dBm = $1.8 \mu\text{W/m}^2 = 180 \text{ pW/cm}^2$	
300,000	-60 dBm = $580 \text{ nW/m}^2 = 58 \text{ pW/cm}^2$	
100,000	-65 dBm = $180 \text{ nW/m}^2 = 18 \text{ pW/cm}^2$	slight anomaly*
30,000	-70 dBm = $58 \text{ nW/m}^2 = 5.8 \text{ pW/cm}^2$	
10,000	-75 dBm = $18 \text{ nW/m}^2 = 1.8 \text{ pW/cm}^2$	
3,000	-80 dBm = $5.8 \text{ nW/m}^2 = 580 \text{ fW/cm}^2$	
1,000	-85 dBm = $1.8 \text{ nW/m}^2 = 180 \text{ fW/cm}^2$	Nature
300	-90 dBm = $580 \text{ pW/m}^2 = 58 \text{ fW/cm}^2$	
100	-95 dBm = $180 \text{ pW/m}^2 = 18 \text{ fW/cm}^2$	
30	-100 dBm = $58 \text{ pW/m}^2 = 5.8 \text{ fW/cm}^2$	
10	-105 dBm = $18 \text{ pW/m}^2 = 1.8 \text{ fW/cm}^2$	Nature
3	-110 dBm = $5.8 \text{ pW/m}^2 = 580 \text{ aW/cm}^2$	
1	-115 dBm = $1.8 \text{ pW/m}^2 = 180 \text{ aW/cm}^2$	

*according to Building Biology guidelines

White ZONE



Governmentally Approved Safe Limits of Exposure

In the USA a comprehensive report was issued by the FCC and can be found at:

http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf