

Read your own EME Reports Useful Conversion Charts

Conversion Charts:

Watts / milliWatts / microWatts

per square metre / per square centimetre

	Watts per square meter	milliWatts per square meter	microWatts per square meter	Watts per square centimeter	milliWatts per square centimetre	microWatts per square centimeter
*	0.000,000,1 W/m ²	0.000,1 mW/m ²	0.1 µW/m ²	0.000,000,000,01 W/cm ²	0.000,000,01 mW/cm ²	0.000,01 µW/cm ²
	0.000,001 W/m ²	0.001 mW/m ²	1 µW/m ²	0.000,000,000,1 W/cm ²	0.000,000,1 mW/cm ²	0.000,1 µW/cm ²
**	0.000,01 W/m ²	0.01 mW/m ²	10 µW/m ²	0.000,000,001 W/cm ²	0.000,001 mW/cm ²	0.001 µW/cm ²
	0.000,1 W/m ²	0.1 mW/m ²	100 µW/m ²	0.000,000,01 W/cm ²	0.000,01 mW/cm ²	0.01 µW/cm ²
	0.001 W/m ²	1 mW/m ²	1,000 µW/m ²	0.000,000,1 W/cm ²	0.000,1 mW/cm ²	0.1 µW/cm ²
	0.01 W/m ²	10 mW/m ²	10,000 µW/m ²	0.000,001 W/cm ²	0.001 mW/cm ²	1 µW/cm ²
	0.1 W/m ²	100 mW/m ²	100,000 µW/m ²	0.000,01 W/cm ²	0.01 mW/cm ²	10 µW/cm ²
	1 W/m ²	1,000 mW/m ²	1,000,000 µW/m ²	0.000,1 W/cm ²	0.1 mW/cm ²	100 µW/cm ²
***	10 W/m ²	10,000 mW/m ²	10,000,000 µW/m ²	0.001 W/cm ²	1 mW/cm ²	1,000 µW/cm ²
	100 W/m ²	100,000 mW/m ²	100,000,000 µW/m ²	0.01 W/cm ²	10 mW/cm ²	10,000 µW/cm ²
	1,000 W/m ²	1,000,000 mW/m ²	1,000,000,000 µW/m ²	0.1 W/cm ²	100 mW/cm ²	100,000 µW/cm ²
	10,000 W/m ²	10,000,000 mW/m ²	10,000,000,000 µW/m ²	1 W/cm ²	1,000 mW/cm ²	1,000,000 µW/cm ²
	100,000 W/m ²	100,000,000 mW/m ²	100,000,000,000 µW/m ²	10 W/cm ²	10,000 mW/cm ²	10,000,000 µW/cm ²

- * Low concern - Building Biologists benchmark
- ** Extreme concern for long term exposure - Building Biologists benchmark
- *** Australia's Protection Standard

Australian RF EME Public Exposure Limits Chart:

Radio Systems	Frequency Band	Assessment Frequency	ARPANSA Exposure Limit (100% of Standard)
LTE 700	758 – 803 MHz	750 MHz	37.6 V/m = 3.75 W/m ² = 375 µW/cm ² = 3750 mW/m ²
WCDMA850	870 – 890 MHz	900 MHz	41.1 V/m = 4.50 W/m ² = 450 µW/cm ² = 4500 mW/m ²
GSM900, LTE900, WCDMA900	935 – 960 MHz	900 MHz	41.1 V/m = 4.50 W/m ² = 450 µW/cm ² = 4500 mW/m ²
GSM1800, LTE1800	1805 – 1880 MHz	1800 MHz	58.1 V/m = 9.00 W/m ² = 900 µW/cm ² = 9000 mW/m ²
LTE2100, WCDMA2100	2110 – 2170 MHz	2100 MHz	61.4 V/m = 10.00 W/m ² = 1000 µW/cm ² = 10000 mW/m ²
LTE2300	2302 – 2400 MHz	2300 MHz	61.4 V/m = 10.00 W/m ² = 1000 µW/cm ² = 10000 mW/m ²
LTE2600	2620 – 2690 MHz	2600 MHz	61.4 V/m = 10.00 W/m ² = 1000 µW/cm ² = 10000 mW/m ²
LTE3500	3425 – 3575 MHz	3500 MHz	61.4 V/m = 10.00 W/m ² = 1000 µW/cm ² = 10000 mW/m ²

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