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Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Fundamental transmit (prediction) frequency:	2412	MHz
Maximum measured conducted peak output power:	24.30	
Cable and/or jumper loss:	0.0	dB
Maximum peak power at antenna input terminal:		
Tx On time:		
Tx period time:		
Average factor:		
Maximum calculated average power at antenna input terminal:		
Single Antenna gain (typical): _	1	dBi
Number of antennae:		
Total system gain (typical):	1.000	dBi
		2
MPE limit for uncontrolled exposure at prediction frequency:		mW/cm ²
	10	W/m ²
Minimum calculated prediction distance for compliance:		W/m² cm
Minimum calculated prediction distance for compliance:		
Minimum calculated prediction distance for compliance: Typical (declared) distance:	5	cm
· · · ·	5 20	cm cm
· · · ·	<u>5</u> 20	cm cm
Typical (declared) distance:	<u>5</u> 20	cm cm mW/cm ²
Typical (declared) distance:	5 20 0.067411	cm cm mW/cm ²
Typical (declared) distance:	5 20 0.067411 0.67411	cm cm mW/cm² W/m²
Typical (declared) distance: Average power density at prediction frequency:	5 20 0.067411 0.67411	cm cm mW/cm² W/m ² dB