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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:	13.56 MHz
Maximum measured conducted peak output power:	-45.40 dBm
Cable and/or jumper loss:	0.0 dB
Maximum peak power at antenna input terminal:	-45.40 dBm
Tx On time:	1.000 ms
Tx period time:	1.000 ms
Average factor:	100 %
Maximum calculated average power at antenna input terminal:	0.000029 mW
Single Antenna gain (typical):	-1 dBi
Number of antennae:	1
Total system gain (typical):	-1.0 dBi
MPE limit for uncontrolled exposure at prediction frequency:	13.27433628 mW/cm ²
	132.7433628 W/m ²
Minimum calculated prediction distance for compliance:	0 cm
Typical (declared) distance:	20 cm
Average power density at prediction frequency:	0.000000 mW/cm ²
	0.00000 W/m ²
Margin of Compliance:	94.64283 dB
Maximum allowable antenna gain:	93.64283 dBi