



Prediction of MPE limit at a given distance

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

S = power density
P = power input to the antenna
G = antenna gain
R = distance

Conducted output power:	7.00	(dBm)
	5	(mW)
	0.005	(W)
Antenna gain:	2.5	(dBi)
Maximum antenna gain:	1.78	(numeric)
EIRP	0.00891	(W)
Distance:	20	(cm)
Duty Cycle:	100	(%)
Frequency:	918.5	(MHz)
MPE Limit:	0.612	(mW/cm ²)
Power density:	0.00177	(mW/cm ²)
	0.0177	(W/m ²)
Margin	25.4	(dB)