



**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

Peak Field Strength	127.69	dBuV/m @ 3m
EIRP	1.762	(W)
Distance:	200	(cm)
Frequency:	24120	(MHz)
MPE Limit:	1	(mW/cm^2)
Power density:	0.00351	(mW/cm^2)
	0.0351	(W/m^2)
Margin	24.6	(dB)