



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) |