MPE calculation

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

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

S= 1.0000 (mW/cm^2)
P* G =EIRP=87(mW)

R=2.6312cm