Prediction of MPE Limit OET Bulletin 65, Edition 97-01

Equation from page 18

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

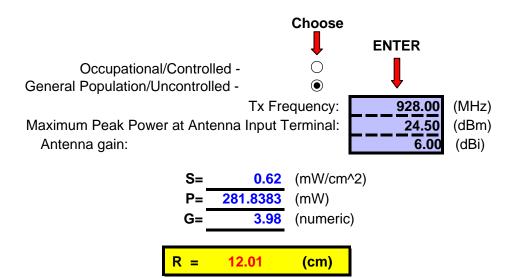
$$R = \sqrt{\frac{PG}{4\pi S}}$$

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



enter	Calculated	
power in	Power in	S (mw/cm^2)
mW	dBm	at 20cm
68.249	18.34	0.22297664