



### Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

where: 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

Maximum peak EIRP:	<u>33.10</u>	(dBm)
Source-Based Time Averaging	<u>50.00</u>	(%)
Corrected max peak EIRP power:	<u>30.09</u>	(dBm)
Maximum peak EIPR power:	<u>1020.869</u>	(mW)
Prediction distance:	<u>20</u>	(cm)
Prediction frequency:	<u>2600</u>	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	<u>1</u>	(mW/cm <sup>2</sup> )

Power density at prediction frequency: 0.203095 (mW/cm<sup>2</sup>)