

Prediction of MPE limit at a given distance

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

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

S = power density

P = output power

G = antenna gain

R = distance

	PTP		PTP	
Output Power	24.41	(dBm)	24.43	(dBm)
Output Power	276	(mW)	277	(mW)
Antenna Gain	14	(dBi)	15	(dBi)
Antenna Gain	25.12	(numeric)	31.62	(numeric)
Distance	60	(cm)	60	(cm)
Duty Cycle:	100	(%)	100	(%)
Frequency	5200	(MHz)	5800	(MHz)
MPE Limit General Public	1	(mW/cm ²)	1	(mW/cm ²)
Power Density	0.15	(mW/cm ²)	0.19	(mW/cm ²)
Margin	8.1	(dB)	7.1	(dB)