

MPE Exposure Formula:

$$S = (P \times G) / (4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (mW)

G = antenna numeric gain

d = distance to radiation center (m) or (.02^2) = .020 m

6.5GHz radio

Enter Data in Linear Units			
Gain =	2290.9	Numeric	EUT ant.: 33.6 dBi
Power =	550	mW	EUT power: 27.4 dBm
Frequency =		MHz	MPE limit: 1.000 mW/cm ²
Cable Loss =	0	dB	
EIRP =	1258925.4	mW	1258925.4 mW
R (cm) =	316.5155622		S (20cm) = 250.455