



### Prediction of MPE limit at a given distance

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

S = power density

P = power input to the antenna

G = antenna gain

R = distance

Conducted output power:	24.22	(dBm)
Tune up tolerance	0.00	(dB)
Number of carriers	1	(N)
	264	(mW)
	0.2642	(W)
Antenna gain:	3.0	(dBi)
Maximum antenna gain:	2.0	(numeric)
EIRP	0.527	(W)
ERP	0	(W)
Distance:	20	(cm)
Duty Cycle:	100	(%)
Frequency:	2462	(MHz)
MPE Limit:	1.0	(mW/cm^2)
Power density:	0.105	(mW/cm^2)
	1.05	(W/m^2)
Margin	9.79	(dB)

