



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:	24.00	(dBm)
Tune up tolerance	2.00	(dB)
Number of carriers	1	(N)
	398	(mW)
	0.398	(W)
Antenna gain:	9.5	(dBi)
Maximum antenna gain:	8.9	(numeric)
EIRP	3.55	(W)
ERP	2.17	(W)
Distance:	25	(cm)
Duty Cycle:	100	(%)
Frequency:	2110	(MHz)
MPE Limit:	1.00	(mW/cm ²)
Power density:	0.45	(mW/cm ²)
	4.5	(W/m ²)
Margin	3.45	(dB)