



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:	22.51	(dBm)
Tune up tolerance	0.00	(dB)
Number of carriers	1	(N)
	178	(mW)
	0.18	(W)
Antenna gain:	2.0	(dBi)
Maximum antenna gain:	1.6	(numeric)
EIRP	0.28	(W)
ERP	0.17	(W)
Distance:	20	(cm)
Duty Cycle:	100	(%)
Frequency:	2400	(MHz)
MPE Limit:	1.0	(mW/cm ²)
Power density:	0.056	(mW/cm ²)
	0.56	(W/m ²)
Margin	12.5	(dB)