

Prediction of MPE limit at a given distance

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

S = power density

P = power

G = antenna gain

R = distance

Conducted output power:	40.00	(dBm)	EIRP
Tune up tolerance	1.00	(dB)	
Number of carriers	2	(N)	
	25179	(mW)	
	25	(W)	
Antenna gain:	0.0	(dBi)	
Maximum antenna gain:	1.0	(numeric)	
EIRP	25.2	(W)	
ERP	15.4	(W)	
Distance:	50	(cm)	
Duty Cycle:	100	(%)	
Frequency:	3675	(MHz)	
MPE Limit:	1.0	(mW/cm ²)	
Power density:	0.80	(mW/cm ²)	
	8.01	(W/m ²)	
Margin	0.96	(dB)	