

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:	19.0	(dBm)
Tune up tolerance	0.00	(dB)
Number of carriers	1	(N)
	79	(mW)
	0	(W)
Antenna gain:	-1.9	(dBi)
Maximum antenna gain:	0.65	(numeric)
EIRP	0.051	(W)
ERP	0.031	(W)
Distance:	20	(cm)
Duty Cycle:	100	(%)
Frequency:	1920	(MHz)
MPE Limit:	1.000	(mW/cm^2)
Power density:	0.010	(mW/cm^2)
	0.10	(W/m^2)
Margin	19.9	(dB)