

Prediction of MPE limit at a given distance

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

S = power density

P = output power

G = antenna gain

R = distance

	DL		DL	
Output Power	<u>4.00</u>	(dBm)	<u>4.00</u>	(dBm)
Output Power	<u>2.5</u>	(mW)	<u>2.5</u>	(mW)
Antenna Gain	<u>0</u>	(dBi)	<u>1</u>	(dBi)
Antenna Gain	<u>1.00</u>	(numeric)	<u>1.26</u>	(numeric)
Distance	<u>20</u>	(cm)	<u>20</u>	(cm)
Duty Cycle:	<u>100</u>	(%)	<u>100</u>	(%)
Frequency	<u>869</u>	(MHz)	<u>1930</u>	(MHz)
MPE Limit General Public	<u>0.58</u>	(mW/cm^2)	<u>1</u>	(mW/cm^2)
Power Density	<u>0.00050</u>	(mW/cm^2)	<u>0.00063</u>	(mW/cm^2)
Margin	30.6	(dB)	32.0	(dB)