RF Safety Requirements to 2.1091 for Mobile Transmitters

FCC ID: EUT TX Characteristics	MTF010147	
Antenna type:	External whip type folding antenna	
Measured ERP (dBm):		6 Watts
At frequency (MHz):	848.31	
MPE Limit (mW/cm^2):	2.8277	
Given the following equation Equation 1: $P_{d} = \frac{P_{t}G_{t}}{4\pi r^{2}}$		
Solve for r: Equation 2:	$r = \sqrt{\frac{P_t G_t}{4\pi P_d}}$	

Using Equation 1, the power density at 20 cm is: Using Equation 2, the MPE limit is met at:

0.91 mW/cm^2 11.3 cm