Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Maximum peak output power at the antenna terminal:	26.30 (dBm)
Maximum peak output power at the antenna terminal:	426.5795188 (mW)
Antenna gain(typical):	8.343 (dBi)
Maximum antenna gain:	6.828101998 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	915 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.61 (mW/cm^2)
Power density at prediction frequency:	0.579469 (mW/cm^2)

Therefore the device complies with FCC and Industry Canada RF radiation exposure limits for general population as a mobile device (d>20cm).