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

Device has 3 antenna options

Antenna 1	Linx Model ANT-916-JJB-ST	0dBi
Antenna 2	Nearson Model S161AM-915	2.5dBi
Antenna 3	SignalFire Model 9-4-ANT	5dBi

Maximum peak output power at the antenna terminal:	9.60	(dBm)
Maximum peak output power at the antenna terminal:	9.126410518	(mW)
Maximum Antenna Gain:	5	(dBi)
Maximum Antenna Gain:	3.16227766	(numeric)
Prediction Distance:	20	(cm)
Prediction Frequency:	915	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^2)

Power density at prediction frequency: 0.005742 (mW/cm^2)

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