FCC ID: 2AAMXLS1403

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:	2.86	(dBm)
Maximum peak output power at the antenna terminal:	1.931968317	(mW)
Antenna gain(typical):	2.5	(dBi)
Maximum antenna gain:	1.77827941	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	900	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^2)
Power density at prediction frequency:	0.000683	(mW/cm^2)

Therefore device complies with FCC RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)