

FCC ID: 2APZM-BASE1								
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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: **18.32** (dBm)

Maximum peak output power at the antenna terminal: **67.92036326** (mW)

Antenna gain(typical): **2** (dBi)

Maximum antenna gain: **1.584893192** (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: **0.021416** (mW/cm^2)

Therefore device complies with FCC RF radiation exposure limits

for general population in mobile exposure category (distance > 20cm)