

QD-24-0010 and QD-24-0040 with
EQUIPMENT: Lucent radio model PC24E-H-FC PROJECT NO.: 1L0526RUS1Rev1

Section 6. RF Exposure

NAME OF TEST: RF Exposure	PARA. NO.: 15.247(b)(4)
TESTED BY: Lance Walker	DATE: 11/09/2001

Test Results: Complies.

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 antenna input terminal: 26.00 (dBm)
 Maximum peak output power at antenna input terminal: 398.1072 (mW)
 Antenna gain(typical): 16.1 (dBi)
 Maximum antenna gain: 40.73803 (numeric)
 Prediction distance: 200 (cm)
 Prediction frequency: 2400 (MHz)
 MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)
 Power density at prediction frequency: **0.032265** (mW/cm²)
 Maximum allowable antenna gain: **31.0127** (dBi)

Notes: Minimum separation of 2 m between the user and the radiating element