

SECTION 4

RF EXPOSURE INFORMATION

4.1 RF Safety Requirements to 2.1091 for Mobile Transmitters

Power Output

The EUT's maximum expected output power as shown in section 2.6 is

| Frequency of Fundamental (MHz) | Adjusted Measurement (dBm) | Measurement (Watt) |
|--------------------------------|----------------------------|--------------------|
| 1618.88 | 23.11 | 0.205 |

Source Based Time Averaging

This information has not been included and the MPE calculations specified below do not take into consideration any duty cycle correction.

MPE Calculations

The limits for this unit (uncontrolled exposure) is 1.0 mW/cm^2 . Taking the RF Density Field Equation:

$$S = (\text{EIRP in mW}) / (4\pi R^2)$$

$$S = (205 \text{ mW}) / (4 * 3.14159 * 20^2)$$

$$S = 205 / 5026.6$$

$$S = 0.04 \text{ mW/cm}^2$$

The device should be installed to maintain 20 cm from humans during use. Information regarding installation and use should be contained in the users manual.