

EXHIBIT 6: RF Hazard Information Per Sec. 1.1307

For transmitters operating in the 2.5-2.7 GHz frequency range, paragraph 1.1310 limits maximum permissible exposure (MPE) to 1 mW/cm² for uncontrolled environments, and 5 mW/cm² for controlled environments.

The maximum distance from the antenna at which MPE is met or exceeded is calculated from the equation relating field strength in V/m, transmit power in watts, transmit antenna gain, and separation distance in meters:

$$E, V/m = ((30*P*G))/d$$

$$\text{Power density, mW/m}^2 = E^2/3770$$

$$E \text{ for MPE } 1\text{mW/m}^2 = 61.4 \text{ V/m}$$

$$d, \text{ meters} = ((30*P*G))/61.4$$

Watkins Johnson does not provide an antenna with their MMDS radio system. The licensee is responsible for placing a label on the antenna providing adequate information regarding hazardous RF exposure (such as the maximum distance at which MPE is achieved) and including reference to the applicable FCC regulations. MPE are calculated for a typical 24 dBi antenna:

Watkins Johnson

FCC ID: NTTSX1123

RF Hazard Distance Calculation

Exposure, mW/cm²: 1.00

Max RF Power P, dBm	TX Antenna G, dBi	MPE Safe Distance, cm
26.0	24.0	89.2

Basis of Calculations:

$E^2/3770 = S, \text{ mW/cm}^2$
 $E, V/m = (P_{\text{watts}}*G_{\text{gain}}*30)^{0.5}/d, \text{ meters}$
 $d = ((P_{\text{watts}}*G*30)/3770*S))^{0.5}$
 $P_{\text{watts}}*G_{\text{gain}} = 10^{(P_{\text{dBm}}-30+G_{\text{dBi}})/10}$

Refer to user manual RF Hazard information page for information to user and installer re FCC requirements concerning MPE, exposure from multiple sources, and other similar topics.

Draft version of the warning label is found in separate attachment *CPEwarning.doc*. In addition, the following wording will be placed on the ODU in plain legible text:

CAUTION: To comply with FCC RF exposure requirements, a minimum separation distance of 90 cm is required between this antenna and all persons.