RF Hazard Information Per Sec. 1.1307

RF Hazard Distance Calculation

mW/cm2 from Table1: 1.00

Max RF Power P, dBm	TX Antenna G, dBi	MPE Safe Distance, cm
28.0	**7.0**	**15.9**

Basis of Calculations:

E^2/3770 = S, mW/cm2
E, V/m = (Pwatts*Ggain*30)^.5/d, meters
d = ((Pwatts*G*30)/3770*S))^0.5 Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)

NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less

The SUR transceiver will be used with one of the following antennas, described in the user manual:

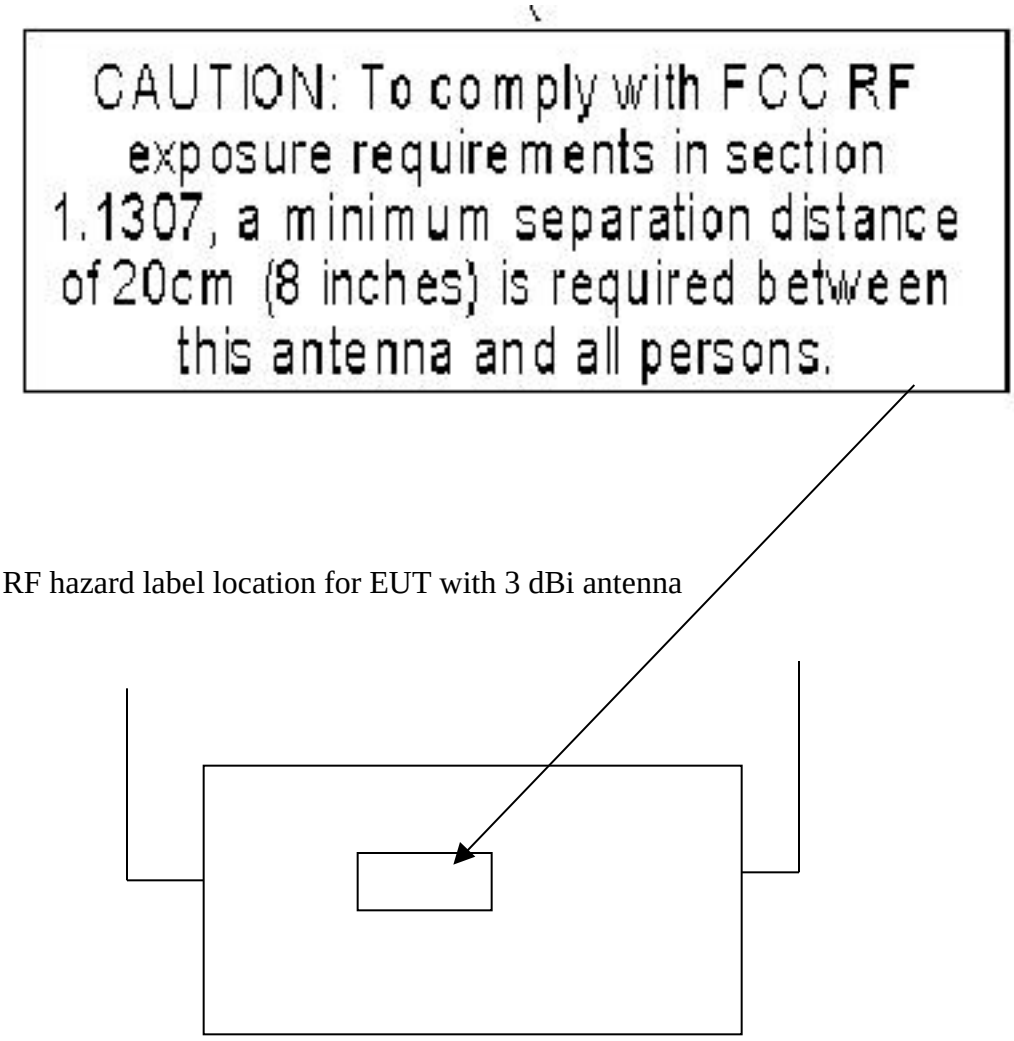
3 dBi monopole antenna
7 dBi wallmount panel antenna

Note: Wall mount ntenna has 4ft. of white LMR-195 or RG-58 Coax Cable with SMA or MCX Connector. Gain is 7.5 dBi – 0.5 dB cable loss = Net Gain is 7dBi.

The following statement will be included in the users manual and on a label that will be attached to the transceiver and the :

CAUTION: To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 20 cm is required between this antenna and all persons.

The label is placed on the side of the unit on a label with 14 point black type.



RF hazard label location for EUT with 3 dBi antenna

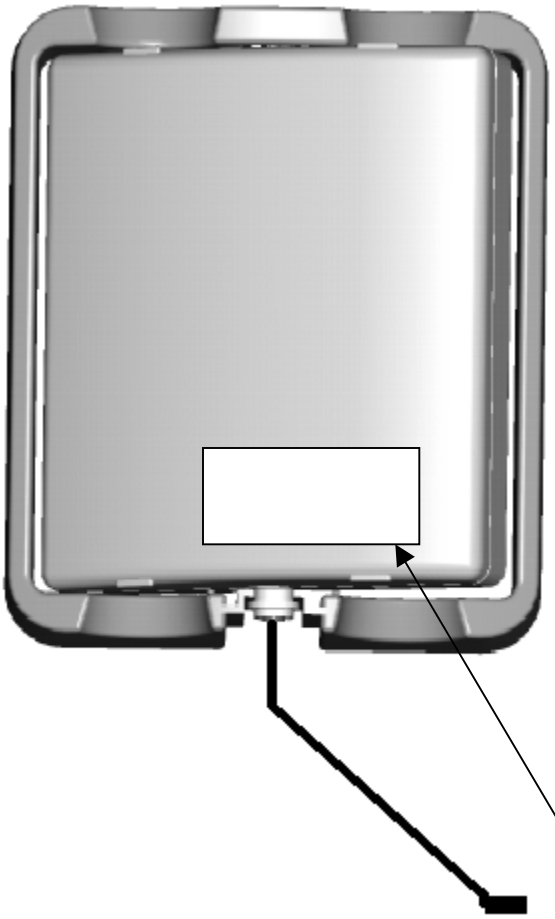
From Page iii of installation manual:

FCC Radiation Hazard Warning

To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance 20cm (8 inches) is required between the antenna and all persons.

BreezeCOM MMDS 7dBi Wall Mount Antenna

Dimensions: 5 inches by 4.5 inches by 0.5 inches



CAUTION: To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 20cm (8 inches) is required between this antenna and all persons.

This label, 0.75 inch by 2.75 inch, 10pt blue type, is placed on the front of the antenna.

Antenna has 4ft. of white LMR-195 or RG-58 Coax Cable with SMA or MCX Connector. Gain is 7.5 dBi – 0.5 dB cable loss = Net Gain is 7dBi.