

## Human exposure to excess levels of radiofrequency radiation

The proposed facility will have a center of radiation of 93 meters (305 feet) with 250 watts H and V at 96.9 MHz. According to OET 65, "Applicants and licensees should be able to calculate, based on considerations of frequency, power and antenna characteristics the distance from their transmitter where their signal produces an RF field equal to, or greater than, the 5% threshold limit.

As can be seen below the proposed facility's maximum contribution to RF on the site is 0.0067 mW/cm<sup>2</sup> at a distance of 91 meters from the antenna, approximately 2 meters above ground which is as close as a human would be to the antenna. This is less than 1.0% of the uncontrolled (public) exposure limit of .205 mw/cm<sup>2</sup>.

Licensee will reduce power of the proposed translator as necessary for safe tower work within the parameters of OET 65.

Frequency of Operation : 96.9 MHz

Average Power at Antenna : 250 watts H 250 watts V

Distance from Antenna : 91.000 meters (299 feet)

Estimated Power Density : 0.0067 mW/cm<sup>2</sup>

Ground Reflections : No