

## **R.F. RADIATION COMPLIANCE STATEMENT**

Wisconsin ECB

January 2008

We have chosen to use worst case calculations, without regard for the attenuation produced in the vertical field, which were derived from the formulas in the OET 65 bulletins as updated. The proposed 1.18 kW station will operate at an antenna height of 150 meters above ground. At head height (2 meters) this proposed facility will produce a power density of 1.8 microwatts per square centimeter, which amounts to 0.082% for a controlled environment and 0.41% for an uncontrolled environment. There are no other radiators on the tower.

These calculations use "worst case", when, in fact, the power densities will be significantly less at the nadir due to the higher gains used by the antennas which reduce the emissions in the downward direction.

### **Other Emitters:**

A search of the ULS database by tower registration identified the following stations also at the site: KW1735, KNHD284, KWI735, WPQC331 and KTK568. Additional research on these stations indicates they are all exempt from further analysis due to their low ERPs and high antenna heights.

The State of Wisconsin ECB will reduce power to safe levels or terminate transmissions in the event a worker must go on to the tower and be at a distance from the radiators such that over exposure would result.

Consequently, it appears that the proposed transmitter site will be in full compliance with the Commission's human exposure to radio frequency electromagnetic field rules and regulations.

Doug Vernier