



Exhibit #22

R.F. EMISSION COMPLIANCE STATEMENT

KHCC-FM
Hutchinson Community College
Hutchinson, Kansas
100 kW H & V

The proposed antenna will be energized so that it radiates 100 kW in both the horizontal and vertical planes, from a height above ground of 299.6 meters. Based on the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, the existing facility produces a worst-case maximum R.F. non-ionization radiation level at a position six feet above the tower base (head level - based on the C.O.R. of 299.6 meters above ground minus 2 meters) of 0.75446 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). This figure is without regard for the antenna's vertical elevation field value toward the nadir, which will cause a reduction in the predicted "worst case" calculations. 0.75446 $\mu\text{W}/\text{cm}^2$ is 0.0754 percent of the maximum standard value for the frequency in use for a controlled area and 0.3772 percent of the maximum for an uncontrolled area.

There are no other sources of RF emissions on the tower.

Since "worst case" calculations were used, and since it is well known that the actual RF power density level is considerably reduced at vertical angles toward the nadir the applicant is confident that actual RF contribution of this antenna will be less than is predicted here.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.