

EXHIBIT #22

R.F. EMISSION COMPLIANCE STATEMENT

The University of Wyoming
Minor Modification to Construction Permit
KUWL
BPED-19980826MK
Laramie, Wyoming

January 2008

CH 211A

0.11 kW H + V

The proposed one-bay, circularly polarized antenna will be energized such that it produces 0.11 kW effective radiated power from a center of radiation of 11 meters above ground. Using 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, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 1-bay Shively 6812 (Type #6) antenna is 0.454 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$), which is 0.05 percent of the maximum for a controlled area and 0.23 percent of maximum for an uncontrolled area.

Since the predicted level of emissions is less than 1% of maximum, no further calculations were deemed necessary.

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.