

R.F. EMISSION COMPLIANCE STATEMENT

The University of Wyoming
Earth Station Modification
ES-E980106
SES-MOD-20080122-00079
Laramie, Wyoming

February 2008

The proposed 3.0 meter Suman SM-T3.0R satellite antenna will be energized with 3.475 watts at the antenna flange. The antenna will be located on a rooftop 9.4 meters above the ground. Access to the rooftop is controlled and not available to the general public.

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, the predicted level of RF emissions from the dish surface at a position directly in front of the dish is 0.00176 milliwatts per square centimeter (mW/cm^2), which is less than 1% of the limit for either Controlled or Uncontrolled Exposure.

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

If work which would exceed the maximum permissible exposure levels is required, the applicant will protect workers by either reducing power or terminating transmission.

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