

R.F. EMISSION COMPLIANCE STATEMENT

The University of Wyoming
KUWI-FM
BNPED-20071017ADQ
Channel 210 – 2kW H & V Non-Directional
Rawlins, Wyoming

August, 2009

The as-built three-bay, circularly polarized antenna will be energized such that it produces 2 kW effective radiated power from a center of radiation of 20.1 meters above ground.

This tower contains multiple sources of RF radiation including another FM broadcast station operating with a four-bay, circularly polarized antenna energized such that it produces 18 kW effective radiated power from a center of radiation of 25.4 meters above ground.

RF exposure levels were directly measured at the site on August 12th, 2009 using a NARDA model 8616 Electromagnetic Radiation Monitor (s/n 21084) with Isotropic Probe model 8682 (s/n 01020).

Levels were measured at approximately 10 foot intervals along 6 radials spaced 60 degrees apart (one along each face and leg of the tower). Levels exceeding the maximum occupational exposure standards outlined in 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, were measured approximately 3 meters from each guy anchor point at approximately 1.8 meters above ground level and at the base of the tower on the northwest leg, approximately 1.2 meters above the ground. Levels in these areas exceeded 1.65 mW/cm². All other measurements were .14 mW/cm² or less.

This is a controlled site with access restricted to the general public by fences and a locked gate although it is used by local ranchers for grazing cattle. The applicant has constructed fences and posted signage in the areas which may exceed the limits for uncontrolled exposure by the general public. In addition, the applicant will cooperate by reducing power or ceasing operation to protect workers on the tower from RF exposure as necessary. Consequently, it appears that the as-built FM station will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.