

ENVIRONMENTAL STATEMENT
K242CG PINE BLUFFS, WYOMING
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
OCTOBER 2013

The applicant proposes mounting a new antenna on an existing 46 meter non-registered tower. The proposed Center of Radiation will be 42 meters Above Ground Level. A 2 bay, circular polarized Nicom BKG-77/2L, directional type antenna, with 0.9 wavelength spacing is proposed, with a maximum Effective Radiated Power of 250 watts. Calculations were made using FM Model for Windows, version 2.10. The proposed antenna Center of Radiation, above ground, was reduced by 2 meters to allow for the average height of a human on the ground. FM Model predicts a peak exposure of 5.41 $\mu\text{w}/\text{cm}^2$ at a distance of 8 meters from the base of the tower. This represents 2.7 % of the allowable Maximum Permissible Exposure ("MPE") of 200 $\mu\text{w}/\text{cm}^2$ for uncontrolled environments at any point on the ground.

This site is also utilized by KIMB(AM) Kimball, NE, facility ID 15818. An isocoupler will be installed at the base of the tower to isolate the new transmission line from the series fed AM station. Antenna impedance measurements will be taken before and after the installation of the new antenna bays and transmission line for the new proposed operation of K242CG at the KIMB tower site and if necessary, a new form 302-AM for KIMB will be filed.

The applicant will ensure that the public access to the tower is restricted by fencing, anti-climb devices or other appropriate measures. The site will be posted with RF warning signs. If climbing of the tower by authorized personnel becomes necessary,

transmitter power will be reduced to safe operating levels, or transmission even terminated, as necessary as not to exceed the RF exposure limits to tower workers. The licensee will cooperate with other users at the site with the scheduling of such tower or antenna maintenance.

No modification of the existing tower is proposed, other than the proposed side mounting of the antenna system and addition of a transmission line. The tower was constructed prior to March 16, 2001. The National Programmatic Agreement generally allows such a collocation without consultation or review under Section 106 and Subpart B of 36 CFR §800. The applicant believes that it is in full compliance with the Agreement, and that no further study is required.