

ENVIRONMENTAL STATEMENT
KMPB BRECKENRIDGE, COLORADO, CHANNEL 214A
COMMUNITY RADIO FOR NORTHERN COLORADO
FCC FORM 340
JULY 2013

The proposed facility should be exempt from environmental processing as it would be located on an existing structure. The structure on which the antenna would be located is not registered with the FCC since is only 60 Meters tall. Since an existing tower will be used for the facility, there would be no additional environmental impact on the surrounding area. In addition, the proposed facility would not constitute a RF exposure hazard to persons at the site.

The proposed facility will utilize a 4 bay, Nicom model BKG77/4L, circular polarization, antenna system, half wavelength spacing. The antenna will be located at 52 meters above ground, but for this study, will be calculated at 2 meters less than this height above ground to make up the difference for the height of the average human being. The Commission's FM Model software was used to predict the maximum power density. Since the Nicom antenna is not listed in this program, the "Phelps-Dodge Worse Case", EPA type 1, and antenna was used. FM model predicts that the maximum power density would be $0.5248 \mu\text{W}/\text{cm}^2$ at 42 meters away from the base of the antenna support structure. This level is below the maximum allowed power density level of $200 \mu\text{W}/\text{cm}^2$ for uncontrolled RF exposure requirements.

This site is also utilized by KSMT Breckenridge, Colorado. From the FCC database records, it shows a maximum power density at any point on the ground of 3.49

$\mu\text{w}/\text{cm}^2$. Even it added with the proposed FM the total would be $4.015 \mu\text{w}/\text{cm}^2$ at any point on the ground, worse case.

The proposed licensee will cooperate with other users of the site to reduce power or cease operations, as may be necessary, to protect workers and others having access to the site from excessive levels of RF radiation. Fencing and appropriate RF warning signs will also be posted at the site to limit access to the supporting structure to prevent unauthorized access to harmful RF radiation areas.

No RF blanketing interference issues are anticipated, but the proposed licensee will be financially responsible for correcting any RF blanketing issues that might arise from the operation of this new station for a period of one year after the new station becomes operational.