

Comprehensive Engineering Exhibit
KMGW(FM) Facility ID 7360
Minor Change Application
February 13, 2007

By this application it is sought to modify the facility of KMGW (FM) to specify a change in height and non-directional antenna. No change in location is requested.

The proposed KMGW (FM) antenna is to be non-directional and located 79 meters above ground level upon an existing tower described in antenna structure registration number 1033353. This is the present location of the KMGW (FM) Auxiliary antenna, and this application specifies as KMGW's new main antenna, the same facilities that are currently authorized as the station's licensed auxiliary, file No. BXLH-20060927ANU.

From this location and height, the calculated Height Above Average Terrain (HAAT) will be 404 meters greater than normal for Class C2 operation. The FCC web tool "FMpower" was utilized to determine a maximum operating power of 2,850 watts.

From this location KMGW (FM) is fully spaced as a Class C2 facility in accordance with Section 73.207 to all known facilities, applications and allocations with the exception of the KIMX licensed and CP facilities at Laramie, Wyoming. Spacing in accordance with Section 73.215 is requested with KIMX. Attached as Figure 1 is a map demonstrating that no prohibited contour overlap will exist.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is a Dielectric DCRM, 6 - bay, 0.88 spaced at the KMGW frequency antenna, mounted with its center of radiation 79 meters above ground level, and will operate with an effective radiated power of 2.85 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, 46 meters from the base of the tower, this proposal will contribute worst case, 0.39 microwatts per square centimeter, or 0.04 percent of the allowable ANSI limit for controlled exposure, and 0.2 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than

specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1

