

Engineering Exhibit  
KRVK (FM)  
Facility ID 88406  
Minor Change Application  
January 19, 2007

By this application a minor modification of BPH-20030602ACU is sought to modify the facility of KRVK (FM) to specify a new Class and power at its presently licensed location.

The proposed KRVK (FM) is to be non-directional and will be located 110 meters above ground level upon a tower described in Antenna Structure Registration (ASR) 1033353. This is a shared antenna with station KWYY.

From this location and height, the antenna has a Height Above Average Terrain (HAAT) of 594 meters. As this height exceeds the maximum for a Class C1 facility the FCC web tool "FMpower" was utilized to determine an Effective Radiated Power of 15.5 kW.

From this location KRVK(FM) is fully spaced as a Class C1 facility in accordance with Section 73.207 to all known facilities, applications and allocations with the exception of the granted contingent construction permit of KPAW Fort Collins, CO BMPH-20030602ASC for which this application requests processing via Section 73.215. Figure 1 of this exhibit demonstrates that no prohibited contour overlap will be created.

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 antenna system is a, 10- bay, 0.91 wave spaced at the KRVK frequency, Dielectric DCRM antenna, mounted with its center of radiation 110 meters above ground level. This proposal will operate with an effective radiated power of 15.5 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 41 meters from the base of the tower, this proposal will contribute worst case 0.461 microwatts per square centimeter, or 0.0461 percent of the allowable ANSI limit for controlled exposure, and 0.23 percent of the allowable limit for uncontrolled exposure.

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 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.

KRVK 73.215 MAP

