

Comprehensive Engineering Exhibit
KIYS(FM) Facility ID 51855
Minor Change Application
July 5, 2007

By this application it is sought to modify the facility of KIYS (FM) to specify a new antenna height, location, facility class, and principal community.

The proposed KIYS (FM) antenna is to be directional and will be located 121 meters above ground level upon a tower to be newly constructed. Both environmental and FAA studies are presently underway for this proposed tower.

From this location KIYS (FM) is fully spaced as a class C2 facility in accordance with Section 73.207, and applicable agreements, to all known facilities, applications and allocations, foreign and domestic with the exceptions of co-channel WFTA (FM) Fulton, Mississippi.

Attached Figure 1 demonstrates that in accordance with Section 73.215 no prohibited contour overlap is predicted to occur with station WFTA (FM) and processing under that section is requested.

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 an EPA type 3, 5- bay, 1.0 wave spaced "Roto Tiller" style antenna, mounted with its center of radiation 121 meters above ground level. This proposal will operate with an effective radiated power of 36 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 49 meters from the base of the tower, this proposal will contribute worst case 14.7 microwatts per square centimeter, or 1.47 percent of the allowable ANSI limit for controlled exposure, and 7.35 percent of the allowable limit for uncontrolled exposure. 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.

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Figure 1- Section 73.215 Contours.

