

Comprehensive Engineering Exhibit  
WMLF(FM) Facility ID 164237  
Minor Change Application  
February 12, 2008

By this application it is sought to modify the facility of WMLF(FM) to specify a new antenna height and power at the existing location.

The proposed WMLF(FM) antenna is to be non-directional and will be located 16 meters above ground level at a tower described by antenna structure registration number 1009301, the presently permitted tower. As demonstrated on the attached map, 100 percent of the principal community of Wateseka will receive 70 dBu or better signal.

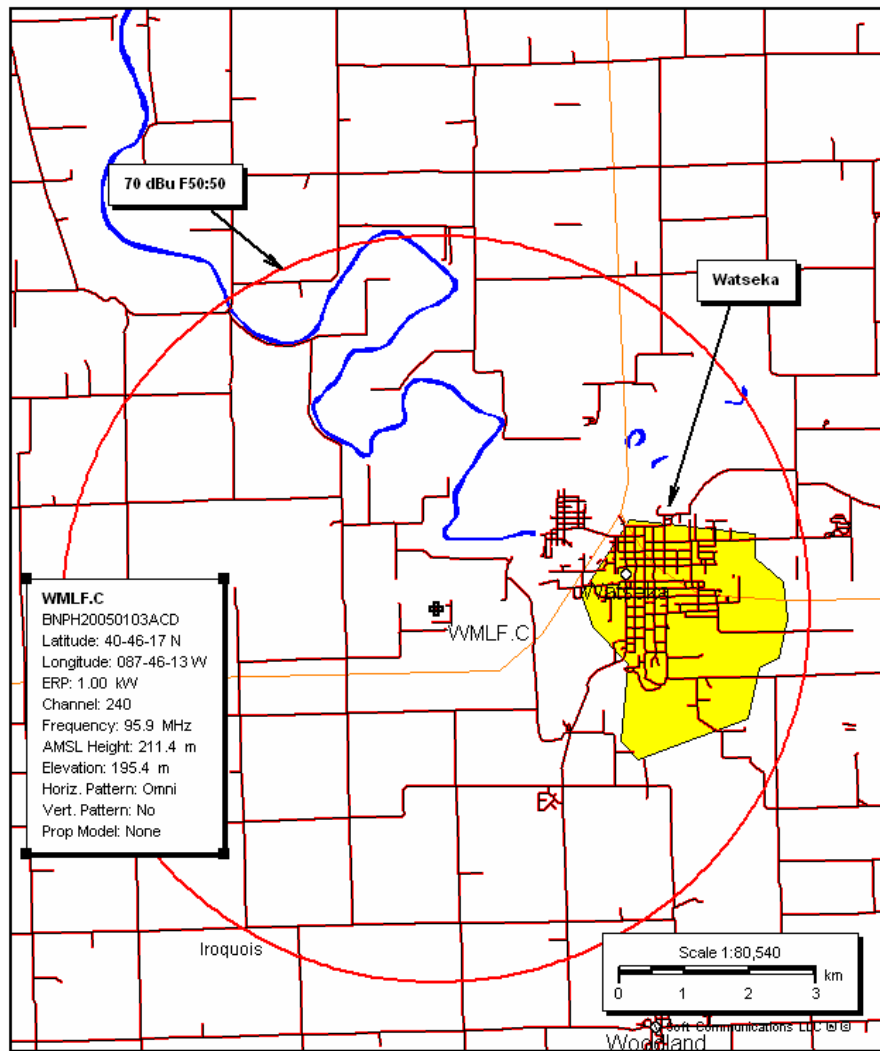
From this location WMLF(FM) is fully spaced as a Class C facility in accordance with Section 73.207 to all known facilities, applications and allocations, with the exception of WSHP Attica, IL, a facility which is itself spaced utilizing Section 73.215. This application requests spacing utilizing Section 73.215 with respect to WSHP. No prohibited contour overlap will result from this proposal as demonstrated in the attached map.

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 2, 1- bay, "Twin-Vee" style antenna, mounted with its center of radiation 16 meters above ground level. This proposal will operate with an effective radiated power of 1 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 14 meters from the base of the tower, this proposal will contribute worst case 93.7 microwatts per square centimeter, or 9.4 percent of the allowable ANSI limit for controlled exposure, and 47 percent of the allowable limit for uncontrolled exposure. There are no known non-exempt radiators located within 1000 meters of this location. 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 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.

## Principal Community Map



## 73.215 Map

