

WLQT(FM)  
Citicasters Licenses, L.P.  
99.9- Facility ID No. 55500  
Kettering, OH

This instant application is for an additional auxiliary antenna for station WLQT.

Citicasters proposes to locate this antenna upon the existing structure 1015863 in co-location with non-directional standard broadcast station WDAO as well as existing auxiliary antennas for stations WMMX, WTUE, and WXEG. Pre and Post construction impedance measurements will be taken of the WDAO antenna to insure that this additional construction has no adverse effects upon WDAO. If a change in antenna impedance is indicated, a FCC 302 for return to direct measurement of power will be submitted.

### **73.1675(a) Compliance**

Attached as Figure 1 is a contour map demonstrating compliance with 73.1675(a)

### **Radio Frequency Radiation Study and Statement**

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 WLQT (FM) antenna system is an ERI 1 section E.P.A. type 3 "roto-tiller" style antenna, mounted

with its center of radiation 100 meters above ground level, and will operate with an effective radiated power of 8.2 kilowatts in both the horizontal and vertical planes. At 2 meters, the height of an average person, at the base of the tower, this proposal will contribute worst case, 1.64 microwatts per square centimeter, or 0.16 percent of the allowable ANSI limit for controlled exposure, and 0.82 percent of the allowable limit for uncontrolled exposure. It is therefore believed that regardless of the contribution of other users of the tower, this proposal is in compliance with OST Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that warning 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

