

**Engineering Statement**

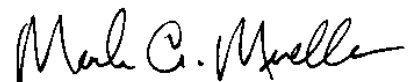
This engineering exhibit was prepared in support of an application to modify nighttime class-D operation at WKTA, Evanston, Illinois (Facility ID 52909), which currently operates with 17 watts ND from local sunset to local sunrise. It is proposed to operate a separate directional antenna pattern with 52 watts at night. No other changes are proposed, and the licensed daytime facility is unaffected. This nighttime operation will not cause or receive objectionable interference, and is in compliance with all current FCC rules and policies. Two new 36 meter tall towers will be constructed on the existing WKTA site to implement this proposal. These towers are exempt from FAA notification and FCC registration.

Four of the existing towers are used at 5 KW daytime, and are fenced accordingly. The two new towers will be fenced to the same distances and warning signs posted to inform workers of the potential for excessive RF exposure inside the fence. Furthermore, a perimeter fence encircles the towers and surrounding area. The station will reduce power, change modes of operation and/or cease transmission whenever workers must remain inside a hazard area for longer than the allowable time.

The population within the proposed 1000 mv/m contour is zero, therefore the proposal is *de facto* compliant with 47 CFR 73.24(g). No site map or photo is supplied herein since the proposed site is the same as that currently in use by WKTA. Similarly, since this a class-D nighttime facility no coverage map is required. If the FCC staff determines that they are indeed necessary, however, we will happily provide them.

This engineering exhibit was prepared by me and is true and correct to the best of my knowledge and belief.

July 7, 2005



Mark A. Mueller