

## **EXHIBIT 17**

### **RF RADIATION STUDY**

The instant application has been evaluated for potential of human exposure to non-ionizing radio frequency radiation. The guidelines set forth in OET Bulletin No. 65, August 1997, were used as the standard for this evaluation.

The proposed nighttime operation will utilize a four tower directional antenna system operating at 2.6 kW. Each tower is 77.4° or 0.215 wavelength in length.

Interpolation between OET Bulletin No. 65, Supplement A, Section 1, Table 2 specifies that for AM towers with a total input power of 5.0 kW or less with towers 0.21-0.4 wavelength, the non-ionizing radiation will fall to safe levels at distances of 2 meters (6.6 feet) or more. A worst case evaluation, assuming 2.6 kW in each tower was considered. The non-directional daytime tower is already fenced to a distance of 3.0 meters.

Existing fences currently achieve this level of protection. Access to area within the fences are limited by means of locked gates. In addition to these measures, signs are also posted warning of the potential for exposure to excessive levels of non-ionizing radio frequency radiation.

In the event maintenance personnel are required to work within the restricted area, they will be advised to limit their work in the high RF field area to specified periods of time appropriate for compliance with the ANSI guidelines set forth in OET Bulletin No. 65, August 1997. If their work cannot be completed within the specified period of time, it is proposed to reduce power appropriately or shut down the operation of the station to permit completion of the assignment. There are no additional sources of non-ionizing radiation subject to the guidelines of OET Bulletin No. 65 at this location.