

## **Exhibit 18.1**

### **Radiofrequency Radiation Guidelines Compliance Study**

---

This instant application has been evaluated for potential of human exposure to non-ionizing radiofrequency radiation. The guidelines set forth in OET Bulletin No. 65 (Edition 97-01) and the companion Supplement A (Edition 97-01) were used as the standard for this evaluation. This site will house multiple existing or proposed AM stations. There are no other FM or TV sources of radiation within 315 meters of the shared site.

The 690 kHz, WIST(AM) daytime operation will be reduced from a 10.0 kW four tower inline array to an 8.0 kW non-directional operation. The daytime non-directional facility uses a single vertical element which is 89.7° in electrical length or 0.249  $\lambda$  (wavelength) for operation on 690 kHz. The WIST(AM) nighttime facility will operate from a separate site location with a nighttime directional power of 2.0 kW. The nighttime directional facility uses three (3) vertical elements which are 90.0° in electrical length or 0.250  $\lambda$  (wavelength) for operation on 690 kHz.

For purposes of this nighttime study, the maximum nighttime power level of 2.0 kW has been assumed present in each tower, while the whole daytime power level of 8.0 kW has been assumed in the single tower. Table 2 of Supplement A specifies for 0.21-0.4 wavelength AM towers operating on 690 kHz with a total input power of 10.0 kW or less, the non-ionizing radiation will fall to safe levels at distances of 2 meters (6.6 feet) or more. Proposed fencing around the base of the WIST(AM) day and night towers will be constructed or increased to achieve this level of protection. Access to areas within the fences will be limited by means of locked gates. In addition to these measures, signs will be posted warning of the potential for exposure to excessive levels of non-ionizing radiofrequency 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 areas to specified periods of time appropriate for compliance with the FCC guidelines set forth in OET Bulletin No. 65 (Edition 97-01). 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 radiofrequency radiation subject to the guidelines of OET Bulletin No. 65 (Edition 97-01) at this location.