

## **Exhibit E-1**

The proposed facility should be exempt from environmental processing as it does not involve a site location specified in Section 1.1307(a)(1)-(7) of the Commission's Rules, does not utilize high-intensity obstruction lighting, and would not result in human exposure to radiofrequency radiation in excess of the applicable safety standards.

The attached ANSI study demonstrates the predicted power density at ground level. In the creation of this study, it was assumed that all radiation emanating from the antenna was directed at the ground. As a result, this study represents a worst-case scenario for the proposed facility. The study indicates that the predicted power density at ground level is 0.0180 mW per square centimeter. At this level, the predicted power density is 1.80 percent of the controlled environment standard. The predicted power density is 9.0 percent of the uncontrolled environment standard.

\*\*\*\*\* ANSI STANDARD REPORT FOR KUDD-AUX \*\*\*\*\*

Horizontal ERP= 0.211 kW

Vertical ERP=0.211 kW

Center of Radiation Above Ground= 29 meters

Bottom Bay Above Ground= 28 meters

Worst Case Power Density from C. of RAD. = 0.0168 mW/square centimeter

FM RADIATION IS 1.68 PERCENT OF CONTROLLED STANDARD

FM RADIATION IS 8.40 PERCENT OF UNCONTROLLED STANDARD

Worst Case Power Density from BOTTOM BAY= 0.0180 mW/square centimeter

FM RADIATION IS 1.80 PERCENT OF CONTROLLED STANDARD

FM RADIATION IS 9.00 PERCENT OF UNCONTROLLED STANDARD

RESTRICTED AREA begins 3.8 meters below the KUDD-AUX antenna or  
24.2 meters above ground