

## **EXHIBIT 2**

### **COOPERATIVE TELEVISION OF SOUTHERN MINNESOTA**

#### **K23FY CHANNEL 23 FROST, MINNESOTA**

**SEPTEMBER 2003**

The proposed facility has been analyzed in accordance with the procedures set forth in OET Bulletin No. 65 (Edition 97-01) "Evaluating Compliance With FCC Guidelines For Human Exposure to Radio Frequency Electromagnetic Fields". Formula ten on page 23 of Bulletin No. 65 has been used to evaluate the proposed CH 23 facility as set forth below:

$$S = (33.4 (F^2) ERP) \div (R)^2$$

where

S = power density in uw/cm<sup>2</sup>

F = relative field factor (0.2 in this case)

ERP = power in watts (1,485 in this case based on  
1.35 kW visual and 0.135 kW aural)

R = distance in meters (91 m)

$$S = 1,983 \div 8,281$$

$$S = 0.2396 \text{ uw/cm}^2$$

For TV Channel 23, 525.25 mHz, the uncontrolled exposure limit is 350.0 uw/cm<sup>2</sup>. The calculated power density of 0.2396 uw/cm<sup>2</sup> is equal to 0.07% of the allowable power density for an uncontrolled environment. On this basis, the applicant submits that the proposed operation will not have a significant environmental impact.