



Exhibit 6

RF Radiation Analysis

In accordance with the order of Docket 79-144, as adopted January 1, 1986, the following analysis of human exposure to non ionizing RF radiation has been performed. Calculations are based the worst case (100% downward radiation) models as set forth in OST Bulletin Number 65 at a point 2 meters above ground level.

Facilities

KAHR (FM)
96.7 MHz
6.0 kW H & V
70 m AGL

K204CS
88.7 MHz
0.250 kW H & V
44 m AGL

K252EE
98.3 MHz
0.250 kW H & V
51.8 m AGL

Calculations

KAHR

$$s = \frac{(0.64)(EIRP)}{\pi R^2}$$

$$s = \frac{(0.64)(1.64)(6000+6000)W(1000)mW/W}{\pi ((68\text{ m})(100\text{ cm}))^2}$$

$$s = 0.0867\text{ mW/cm}^2$$

$$\text{ANSI Max} = 0.2\text{ mW/cm}^2$$

$$\text{KAHR percentage of ANSI Max} = 43.35\%$$

K204CS

$$s = \frac{(0.64)(EIRP)}{\pi R^2}$$

$$s = \frac{(0.64)(1.64)(250+250)W(1000)mW/W}{\pi ((42\text{ m})(100\text{ cm}))^2}$$

$$s = 0.0095\text{ mW/cm}^2$$

$$\text{ANSI Max} = 0.2\text{ mW/cm}^2$$

K204CS percentage of ANSI Max = 4.73%

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Calculations - Continued

K252EE

$$s = \frac{(0.64)(\text{EIRP})}{\pi R^2}$$

$$s = \frac{(0.64)(1.64)(250+250)W(1000)mW/W}{\pi ((49.8 \text{ m})(100 \text{ cm}))^2}$$

$$s = 0.0067 \text{ mW/cm}^2$$

$$\text{ANSI Max} = 0.2 \text{ mW/cm}^2$$

$$\text{K204CS percentage of ANSI Max} = 3.37\%$$

Site Total

$$\text{KAHR} \quad 0.0867 \text{ mW/cm}^2$$

$$\text{K204CS} \quad 0.0095 \text{ mW/cm}^2$$

$$\text{K252EE} \quad 0.0067 \text{ mW/cm}^2$$

$$\text{Total} \quad 0.1029 \text{ mW/cm}^2$$

$$\text{ANSI Max} = 0.2 \text{ mW/cm}^2$$

$$\text{Site total percentage of ANSI Max} = 51.45\%$$

As the above calculations indicate, the worst case power density falls well below ANSI maximums for a non controlled environment and will pose no hazard due to exposure to non ionizing RF radiation.

Central Educational Radio further reiterates its pledge to work in concert with any other other tower users to protect any workers from occupation overexposure to excessive levels of RF radiation by reducing power or ceasing the operation as necessary during periods of tower maintenance.