



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 formulas prescribed in OST Bulletin Number 65 and the real world models as calculated by the Commission's FM Model software.

Facilities¹

WZUU
92.5 MHz
6.0 kW H&V
66.45 m AGL
Jampro JSCP-2

Calculations

WZUU (FM)

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

$$s = \frac{(0.64)(1.64)(6,000 + 6,000)W(1000)mW/W}{\pi ((64.45 \text{ m})(100 \text{ cm.m})^2)}$$

$$s = 0.0965 \text{ mW/cm}^2$$

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

$$\text{WZUU percentage of ANSI Max} = 48.26\%$$

¹ The tower is home to W258AH and W247AM, both stations are excluded as they operate with effective radiated powers of 0.019 kW and 0.013 kW respectively.

As the above calculations indicate, the site total falls well below ANSI maximums for a non controlled environment and will pose no hazard due to exposure to non ionizing RF radiation. In reality the power density will be considerably lower when the actual downward radiation characteristics of the Jampro antenna are taken into consideration. Exhibit 7 of this report is a power density plot as generated by the Commission's FM Model software which shows a maximum power density of the real antenna to be $13.8617 \mu\text{W}/\text{cm}^2$ which occurs at a distance of 43.2 meters from the tower base. The real world power density represents only 6.93% of the ANSI maximum for an uncontrolled environment. Further precautions will be put in place as well, signs warning of dangers posed by High Voltage and RF Radiation will be posted on the site and the tower is contained behind a locked security fence. Forum Communications, Inc. further pledges to reduce power or cease operation during periods of tower maintenance so as to protect any tower workers from occupational overexposure.