Exhibit 4

Analysis of Non Ionizing RF Radiation

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. All calculations were made using the worst case formulas prescribed by OST Bulletin Number 65 and are based on a point 2 meters above the tower base.

Facilities included in this study

KMMO-FM
102.9 MHz
76.0 kW H&V
282.7 m AGL

Calculations

KMMO-FM

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

$$s = \frac{(0.64)(1.64)(76,000 + 76,000)W(1000)\ mW/W}{\pi\ ((280.7\ m)(100cm/m))^2}$$

s = 0.0645 mW/cm²

ANSI Max (C95.1-1992) = 0.2 mW/cm²

Percentage of ANSI Max = 32.23%

Exhibit 4
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Conclusion

As the above calculations indicate, the total power density at 2 meters above ground level falls well below the limits set forth in ANSI C95.1 (1992). As such, there is no threat to the public of passive overexposure to dangerous levels of non ionizing RF radiation. Further precautions are in place as well. The security fence and the site will be posted with signs warning of dangers due to High Voltage and RF Radiation. Missouri Valley Broadcasting, Inc. further certifies that it will reduce power or cease operation as necessary so as to protect any tower workers from occupational overexposure during periods of tower maintenance.