

WOKF Folkston, Georgia

RF Exposure Analysis

This proposal specifies horizontal and vertical radiation of 3.2 kilowatts at 126 meters above ground level. Using the worst case model of 3.2 KW (H) + 3.2 KW(V) at 124 meters (toward the tower base with NO compensation for downward radiation), we calculate the absolute worst case power density to be 13.9 uW/cm^2 . The worst case calculated power density at a level of 2 meters above ground is less than 7% of the FCC's recommended maximum limit of $.2\text{mW/cm}^2$ for FM channels applicable to general population / uncontrolled exposure areas. The calculated power density is less than 1.5% of the recommended limit for occupational / controlled areas. Therefore it is believed that this proposal fully complies with all established limits for non-ionizing radiation / RF exposure currently in effect.

