

K250CD – Faribault, MN

FacID# 202292 – 97.9MHz

Form 350 – Exhibit #3

Environmental Effect

RF radiation from the proposed facility has been reviewed in accordance with the radio frequency protection guides adopted by the Commission in OET Bulletin No. 65, edition 97-01, and will not have a significant environmental impact.

The proposed antenna system consists of a Bext TFC2K/2 circularly polarized non-directional antenna with its center of radiation 76 meters above ground level. Utilizing the FCC FM Model calculator and an EPA Type 2 'Opposed V Dipole' antenna as a test condition, the maximum power density generated by the facility at ground level is predicted to be approximately .3  $\mu\text{W}/\text{cm}^2$  at a distance of 35m from the base of the supporting structure. As this is less than 5% of the maximum power density permitted for general population/uncontrolled environments, it is concluded that the K250CD facility will not have a significant environmental effect and is exempt from further RFR analysis.

The applicant certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic fields in excess of FCC guidelines.