

## **E-16 RF RADIATION CALCULATIONS**

The RF contributions for the proposed translator were calculated using the Commission's FMMODEL program. The resulting RF calculation for a 3-bay Shively model 6812 mounted at a COR AGL of 100 meters operating at 250W, including the reference height of 2 meters above ground level, yields a maximum RF exposure of 0.171  $\mu\text{W}/\text{cm}^2$  at a distance of 50 meters.

Following the requirements outlined in 47 CFR §1.1307 and §1.1310, it is submitted that this RF exposure is well below the 200  $\mu\text{W}/\text{cm}^2$  maximum exposure limit for General Population/Uncontrolled Exposure of a 47 CFR broadcast facility, and furthermore, is well below the 5% maximum allowance for such a facility; thus eliminating the requirement of a full environmental assessment analysis. Consequently, it is concluded that the proposed facility is well within RF exposure guidelines.