

**MINOR CHANGE APPLICATION**  
**GLORY COMMUNICATIONS, INC.**  
**WEAF AM RADIO STATION**  
**has: 1130 kHz - 0.007/5.0 kW ND**  
**CAMDEN, SOUTH CAROLINA**  
**req: 1120 kHz - 0.35 kW NDD**  
**SAINT STEPHEN, SOUTH CAROLINA**  
**April 2009**

**EXHIBIT #4**

**Radio Frequency Radiation Assessment**

This radio frequency radiation study is being conducted to determine whether this proposal is in compliance with OET Bulletin #65 and #65A, both dated August 1997, regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.

At the WEAf frequency of 1120 kHz, the tower is  $81.6^\circ$  ( $0.227 \lambda$ ) in electrical height. The tower is fenced at a minimum distance of 1.0 meter (3.3 feet) from the radiating structure. Based on the guidelines of the OET bulletin, at the proposed 0.35 kilowatt power level, and it is calculated that WEAf will deliver 194.7 V/m and 0.549 A/m at the fence perimeter. This represents 31.7% of the electric field limit of 614 V/m and 33.7% of the magnetic field of 1.63 A/m limit for uncontrolled protection, as specified by the FCC. In this case, the electric field contribution of 33.7% is considered as the worst case scenario.

Since the calculated contribution is less than 100% level specified by the FCC, this proposal is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, GCI will verify that warning signs have been posted at the fence perimeters warning of potential radio frequency radiation hazards at the site. In addition, GCI will reduce the power of the proposed facilities or cease operation in cooperation and coordination with other tower users, as necessary, to protect persons having access to the sites, towers or antennas from radio frequency radiation in excess of FCC guidelines.