

## **EXHIBIT 17-A**

### **Human Exposure to Radiofrequency Electromagnetic Field & Section 106 Compliance (Environmental)**

Community Broadcasting, Inc. seeks to modify construction permit BNPFT-20130327AIW for FM translator K283BY, Facility ID No. 140410, Eldon, Missouri by relocating to a new transmit location. The new location is an existing building and pole. The application site coordinates are 38 Degrees 22 Minutes 24.2 Seconds North Latitude, 92 Degrees 24 Minutes 36.2 Seconds West Longitude (NAD 27). Because it is relocating on an existing building with pole and no modifications to the structure are being made, it is believed to be exempt from a Section 106 review by the SHPO/THPO.

The K287BY transmitting antenna will be a pole mounted Nicom BKG77 single bay directional antenna with an azimuth of 322 degrees true and a center of radiation of 10 meters AGL. K287BY would will operate with 120 watts circular polarization at 89 meters HAAT.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. The Nicom BKG77 antenna is not included in the Commission's FM Model for Windows program. Therefore the FCC FM Model Program shows a worst case scenario by using the Phelps-Dodge "Ring-Stub" or dipole (EPA) antenna. Using this antenna, the "worst case" predicted power density for K287BY near the tower at two meters above ground level attributable to the proposed facility is  $75.25 \mu\text{W}/\text{cm}^2$  at 2 meters, which is 37.625 percent of the general population/uncontrolled maximum permitted exposure limit and 7.53 percent of the limit for "controlled" environments.

The applicant will cooperate with other users of the transmit location to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission during times of maintenance or inspection.