

Southeast Arkansas College
RF Exposure Exhibit
LPFM Application
Facility #193231

The proposed facility was evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed facility will operate on a new 20 foot tower placed on the roof of an existing building. The proposed radiation centerline above the roof is 5.0 meters. The proposed ERP is 100 watts. The Applicant intends to use a single-bay antenna.

At roof level and 1.2 meters from the base of the tower, this proposal will contribute 160.3 microwatts per square centimeter, or 80.15% of the allowable ANSI limit for uncontrolled exposure. This represents 16.03 percent of the allowable limit for controlled exposure.

The roof is restricted from public access by locked doors. Furthermore, signs will be posted in the vicinity of the antenna, warning of potential radio frequency hazards at the site. The applicant will reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to access the rooftop for maintenance or inspection.