

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

Jackson County Broadcasting, Inc. (“Jackson”), seeks to modify WKOV-FM licensed to Wellston, Ohio with construction permit BPH-20070405ABF (Facility ID# 29691) to operate on Channel 244B1 licensed to Oak Hill, Ohio operating with an effective radiated power of 16 kilowatts at 129 meters height above average terrain. The proposed WKOV-FM transmit antenna is an ERI MPX-6C located at 114 meters above ground level

The existing tower is 420 feet (128 meters) above ground level and is registered with Antenna Registration Number 1045391. This minor modification application specifies WKOV-FM to continue to operate with the exact same facilities as the currently licensed WKOV-FM facility at Wellston, OH. The only proposed change is the community of license change to Oak Hill, OH. Therefore a Section 106 review by the SHPO/THPO is not required.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission’s OET Bulletin Number 65. Using the FM Model for Windows the maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $6.03 \mu\text{W}/\text{cm}^2$ at 35 meters, which is 3.01 percent of the general population/uncontrolled maximum permitted exposure limit and 0.6 percent of the limit for “controlled” environments.

The applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The applicant will cooperate with other users of the tower 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 should anyone be required to climb the tower for maintenance or inspection.