

EXHIBIT 17-A

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

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. 1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997, regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. Missouri River Christian Broadcasting, Inc. seeks to modify the license of K236AZ Channel 236D (95.1 MHz) Facility ID# 139987, licensed to Gray Summit, MO by changing the frequency to Channel 239 (95.7 MHz) and increasing the effective radiated power to 100 watts. The transmitting site, height above ground level and transmit antenna will remain the same as presently licensed. The antenna will be retuned for the new frequency. The tower is located at 38° 29' 44" N ~ 90° 48' 33" W (NAD 27). The tower is 180 feet (55 meters) above ground level is not required to be registered with Antenna Registration Structure system. The antenna is a side mounted OMB Model MP-1 1 bay circularly polarized antenna with a center of radiation of 43 meters AGL. K236AZ will operate with 100 watts ERP at 133 meters HAAT. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of § 1.1306 of the FCC Rules. Because K236AZ proposes to operate from an existing tower, is exempt from a Section 106 review by the SHPO/THPO.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. The maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 2.392 $\mu\text{W}/\text{cm}$, which is 1.196 percent of the general population/uncontrolled maximum permitted exposure limit.

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.