

# **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. Edgewater Broadcasting, Inc seeks to modify construction permit BMPFT-20160128BER for K268CO Channel 268D (101.5 MHz) Facility ID# 148497, Lake Los Angeles, CA by relocating to a new transmit location approximately 300 meters from the current construction permit. The proposed K268CO would operate on Channel 268D (101.5 MHz) with 10 watts ERP directional. The transmit location is an metal pole 6.1 meters in overall height. The pole is not registered with an FCC Antenna Structure Registration ("ASR") number. The site is located at 34° 32' 50" N ~ 118° 12' 56.7" W (NAD 27). The transmit antenna will be a side mounted horizontally polarized Kathrein-Scala Model CLFM-RX log periodic antenna oriented at 47 degrees true azimuth. K268CO will operate with 10 watts ERP at 6 meters above ground level, 1,591 meters AMSL and 639 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 K268CO proposes to operate from an existing site and no modifications are being proposed, it is believed to be 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 Kathrein-Scala antenna is not listed in the Commission's updated FM Model for Windows Program. Therefore the EPA Type One was selected as a worst case antenna type. The maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 5.718  $\mu\text{W}/\text{cm}$  at 2 meters, which is 2.859 percent of the general population uncontrolled maximum permitted exposure limit. This is less than the five percent threshold limit described in 1.1307(b) regarding sites with multiple emitters, which excludes applicant from responsibility for taking any corrective action in areas where the proposal's contribution is less than five percent.

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.