

# **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. Dale Ganske, licensee of FM translator K258CZ, Facility ID number 71816, licensed to Big Pine, Etc., CA seeks to modify K258CZ construction permit BPFT-20160729AAS. The modification proposes operation on Channel 253D (98.5 MHz) at Exeter, CA. The application site is an existing tower 24.4 meters in overall height. This tower is not registered with the FCC's Antenna Structure Registration. The tower is located at 36° 17' 10" N ~ 119° 05' 15" W (NAD 27). No modifications to the tower are being proposed. Therefore it is believed that this proposed facility is exempt from a Section 106 review by the SHPO/THPO. K258CZ will operate on Channel 253D (98.5 MHz) with 250 watts ERP directional with dual polarization. The antenna center of radiation will be at 17 meters above ground level and 294 meters HAAT. The proposed transmit antenna is a Kathrein-Scala Model HDCA5-CP. The antenna will be oriented at 265 degrees true azimuth.

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 HDCA5-CP antenna is not included in the Commission's recently revised FM Model for Windows program. Therefore the FM Model Program shows a worst case scenario by using the Type One: "Ring-and-stub" or any type not otherwise described. Using Type One, the maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 35.39  $\mu\text{W}/\text{cm}$  at 3.6 meters, which is 17.70 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 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 pole for maintenance or inspection.