

**ENGINEERING EXHIBITS**  
**FOR**  
**CAMERON BROADCASTING, INC.**  
**LICENSEE OF FM STATION KFLG-FM**  
**IN SUPPORT OF**  
**APPLICATION FOR CONSTRUCTION PERMIT**  
**TO**  
**INCREASE HAAT, STRUCTURE HEIGHT**  
**AND**  
**CHANGE ANTENNA**

**MAY 2004**

**BY:**  
**BEEM CO.**  
**ARCADIA, CA**  
**(626) 446-3468**

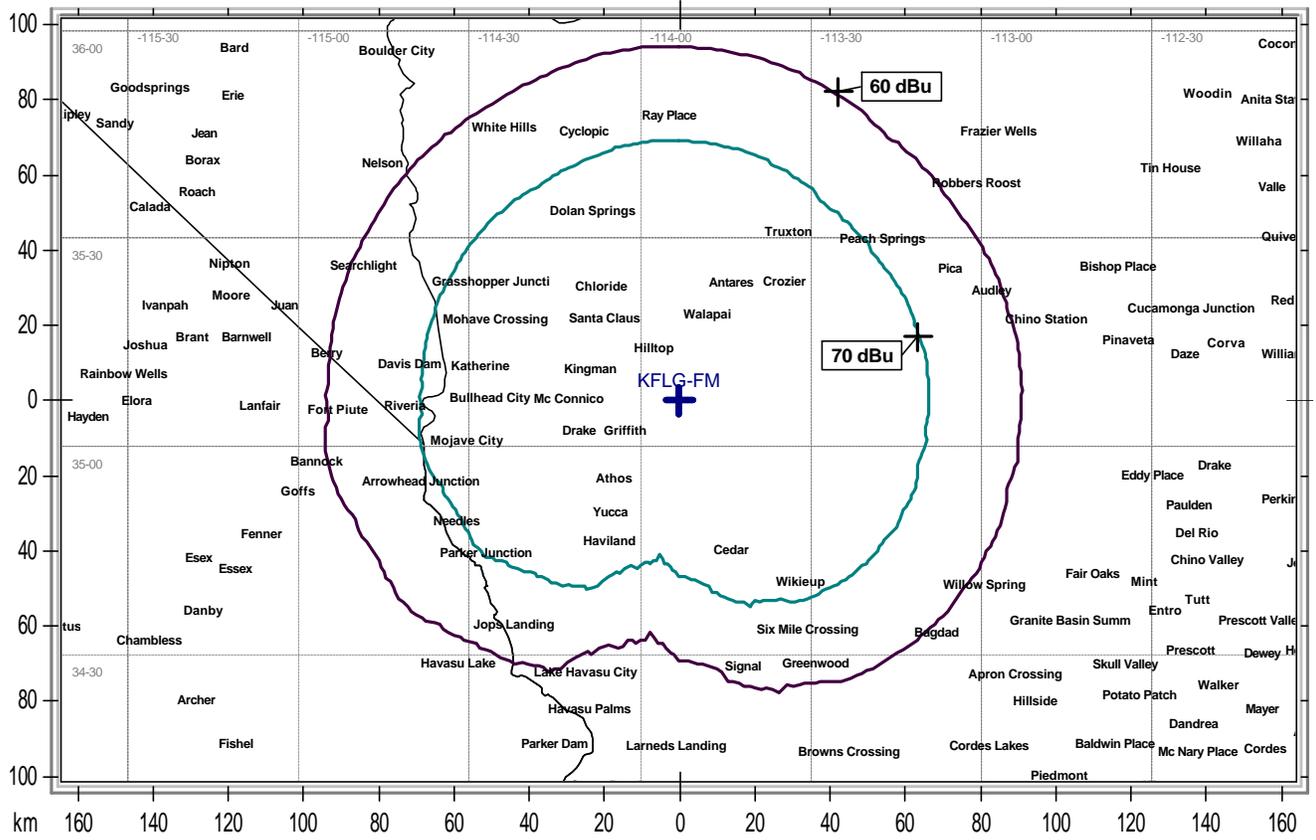
## **ENGINEERING STATEMENT OF JOEL T. SAXBERG**

This application for construction permit (FCC Form 301) was prepared for Cameron Broadcasting, Inc., licensee of FM station KFLG-FM, CH 234C, Kingman, AZ, by Broadcast Engineering and Equipment Maintenance Company, "(BEEM CO.)".

Cameron Broadcasting proposes to install a new antenna support structure, 199' overall above ground level, to raise the center of radiation from 19 meters AGL to 48.8 meters AGL. The ERP will be reduced from 46 kW to 43 kW and the antenna will be replaced. The present antenna is a five-element ERI "rototiller" type using one-wavelength spacing. The proposed antenna will be an eight-element ERI "rototiller" type using 0.926 wavelength spacing.

Radiofrequency Electromagnetic Fields – Because the terrain around the KFLG-FM site is irregular and mountainous OET FMModel program, in my opinion, was not appropriate to use in this particular situation. Instead, detailed REF calculations we made using topographic data and ERP values shown in the manufacturers vertical plane pattern. It is believed that using an antenna with the reduced downward field characteristics, the site will be fully compliant with maximum permissible FCC Guideline levels for the General Public. When necessary for tower workers to go aloft, KFLG-FM will reduce power or terminate transmissions, in order that, tower personnel will not be exposed to radiofrequency fields in excess of FCC guideline levels.

MAP SCALE 1:2000000



CAMERON BROADCASTING, INC.

State Borders
  Lat/Lon Grid