



**ENGINEERING STATEMENT**  
**OF**  
**JOHN F.X. BROWNE, P.E.**  
**IN SUPPORT OF**  
**AN APPLICATION FOR CONSTRUCTION PERMIT**  
**FOR**  
**DISPLACEMENT AND DIGITAL "FLASHCUT"**  
**K60DD**  
**TIERRA AMARILLA, NM**

**Background**

KOAT Hearst-Argyle Television, Inc. (KOAT) is the licensee of television translator station K60DD, Channel 60, (BLTTV-19870804IE, Facility ID. 53927) at Tierra Amarilla, NM. KOAT is applying for a construction permit to change its assigned channel to Channel 36 due to displacement (out-of-core) and also proposes to "flashcut" K60DD to digital operation on Channel 36.

**Site and Tower**

The overall tower height of 16.1 meters AGL at the specified coordinates passes the TOWAIR program and does not require notification of the FAA or tower registration. This is the same site and tower that is specified in the current K60DD authorization.



### **Antenna and Power**

The proposed antenna is a Scala SL-8 omni-directional radiator. The radiation center of the antenna will be at a height of 13m AGL (2647m AMSL). The digital ERP will be 1 kW and the 51 dBu F(50,90) contour will completely encompass the area of Tierra Amarilla, NM.

### **Interference**

An interference study was conducted using the proposed facility parameters with software that emulates that used by the Commission. That study shows that there would not be more than 0.49% interference to any full-service DTV station or Class A station, or more than 1.99% interference to any other low power station as required by the Commission's Rules.

### **Environmental/RFR**

This construction does not involve any of the conditions that require an Environmental Assessment as specified in 47 CFR Section 1.1311, therefore, further consideration is not required.

The additional ground level RFR contributed to the site by this proposal in public areas is calculated to be  $0.020718 \text{ mW/cm}^2$ , which is less than the MPE for public exposure ( $0.404 \text{ mW/cm}^2$ ) at the proposed frequency.

KOAT agrees to comply with the Commission's requirements regarding power adjustments or cessation of operation as may be necessary to ensure a compliant environment for worker access. Workers will be trained on RFR issues and will be encouraged to wear personal RFR monitors when on the structure. The tower base is enclosed with a locked security fence and appropriate signage warning of RFR hazards are in place.

**Certification**

I hereby certify that the foregoing report or statement was prepared by me but may include work performed by others under my supervision or direction. The statements of fact contained therein are believed to be true and correct based on personal knowledge, information and belief unless otherwise stated; with respect to facts not known of my own personal knowledge, I believe them to be true and correct based on their origin from sources known to me to be generally reliable and accurate. I have prepared this document with due care and in accordance with applicable standards of professional practice.

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John F.X. Browne, P.E.  
August 20, 2009