



**ENGINEERING STATEMENT**  
OF  
**JOHN F.X. BROWNE, P.E.**  
IN SUPPORT OF "FLASHCUT" APPLICATION  
FOR  
**K51DS**  
**DEMING, NM**

**Background**

KOAT Hearst-Argyle Television, Inc. (KOAT) is the licensee of television translator station K51DS, Ch 51, (BLTT-19910308II, Facility ID 53897) at Deming, NM. KOAT now proposes to "flashcut" K51DS to digital operation.

**Site and Tower**

The site will remain the same as that of the licensed facility as will the height of the antenna radiation center. The overall height of the tower (11.5m AGL) is less than that required for notification to the FAA and, further, the tower passes the TOWAIR program.

**Antenna and Power**

The proposed antenna is a Scala SL-8 omni-directional radiator. The proposed ERP is 1 kW.



### **Interference**

An interference study was conducted using the proposed parameters with software that emulates that used by the Commission. A Longley-Rice analysis with that software shows that there would be no new interference exceeding 0.5% to any full-service DTV or Class A station as defined in the Commission's Rules and, also, there would be no predicted interference of more than 2 % to any LPTV, or translator station.

### **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 environmental 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 mW/cm<sup>2</sup>, which is less than 5% of the MPE for public exposure (0.463 mW/cm<sup>2</sup>) 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 encouraged to wear personal RFR monitors when on the structure. A locked security fence will enclose the tower base and appropriate signage warning of RFR hazards will be 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

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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.



John F.X. Browne, P.E.

July 16, 2009