



ENGINEERING STATEMENT
OF
JOHN F.X. BROWNE, P.E.
IN SUPPORT OF
AN APPLICATION FOR CONSTRUCTION PERMIT
FOR
DISPLACEMENT AND DIGITAL "FLASHCUT"
K62AL
ROSWELL, NM

Background

KOAT Hearst-Argyle Television, Inc. (KOAT) is the licensee of television translator station K62AL, Channel 62, (BLTTL-19930309IB, Facility ID. 53907) at Roswell, NM. KOAT is applying for a construction permit to change its assigned channel to Channel 48 due to displacement (out-of-core) and also proposes to "flashcut" K62AL to digital operation on Channel 48.

Site and Tower

The tower is registered (ASRN 1052110) and has an overall height of 74.7 meters AGL. The antenna will be side-mounted in such a manner so as not to increase the overall height of the structure; therefore, neither notification of the FAA nor modification of the ASR is required. This is the same site and tower that is specified in the current K62AL 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 50m AGL (1193.3m AMSL). The digital ERP will be 1 kW and the 51 dBu F(50,90) contour will completely encompass the area of Roswell, 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, nor 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 0.002122 mW/cm^2 , which is less than the MPE for public exposure (0.451 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.

John F.X. Browne, P.E.
September 2, 2009