



ENGINEERING STATEMENT
OF
JOHN F.X. BROWNE, P.E.
IN SUPPORT OF
MINOR MODIFICATION TO CONSTRUCTION PERMIT
KFAA-DT, AR

Background

J.D.G. Television Inc. (JDG) licensee of KFAA Rogers, AR has a construction permit for KFAA-DT, (BPCDT-19991028ADB; Facility ID # 29557). JDG now proposes to operate the station from a new location that is 26.7 km (on a bearing of N030E) from the location originally proposed in the application for the construction permit.

Tower and Location

The proposed new location is:

36-24-47.8 N Lat.

93-57-16.8 W Long. (NAD 27)

A new 500 ft tall tower is proposed and the FAA has been notified; however a determination has yet been issued by the FAA. The structure will be registered upon receipt of a "no hazard" determination from the FAA.



Antenna and ERP

The proposed antenna is an Andrew ALP-16M2-HSW having a cardioid pattern. The azimuth and elevation patterns and tables are included as exhibits E1 a-d. The relative field/dBK table is included as Table #1. JDG proposes a maximum ERP of 200 kW. The proposed 48 dBu contour will completely encompass the principal city of Rogers, AR.

Interference

The proposed operating parameters meet the de minimis requirements for interference to other DTV and NTSC stations as required by the rules and calculated in accordance with Bulletin OET-69.

The proposed station would have a prohibited contour overlap with Class "A" station K59GJ, Poteau, (OK) on Channel 50. However, the parameters authorized in the construction permit also cause a contour an overlap with the same Class "A" station. The proposed site is farther away and the predicted overlap is less than that caused by the authorized facility. Attached as Exhibit 2 is a map showing this condition.

RFR/Environmental

The proposed station does not require an environmental assessment as it does not trigger any of the conditions as outlined in 47 C.F.R. Section 1.1311.

The ground level radio frequency radiation from this proposal is calculated to be 0.013 mW/cm² which is much less than 5% the MPE for public exposure at this frequency (0.459 mW/cm²).

The base of the proposed tower will be completely enclosed by a locked security fence to limit access to authorized personnel only. Signs warning of the potential RFR hazard will be

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posted. Workers on the tower will be encouraged to wear personal RFR monitors. The transmitter power will be reduced as necessary to provide a compliant environment when workers are present on the tower.

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.
November 11, 2002