# **EXHIBIT A**

## **ENGINEERING STATEMENT**

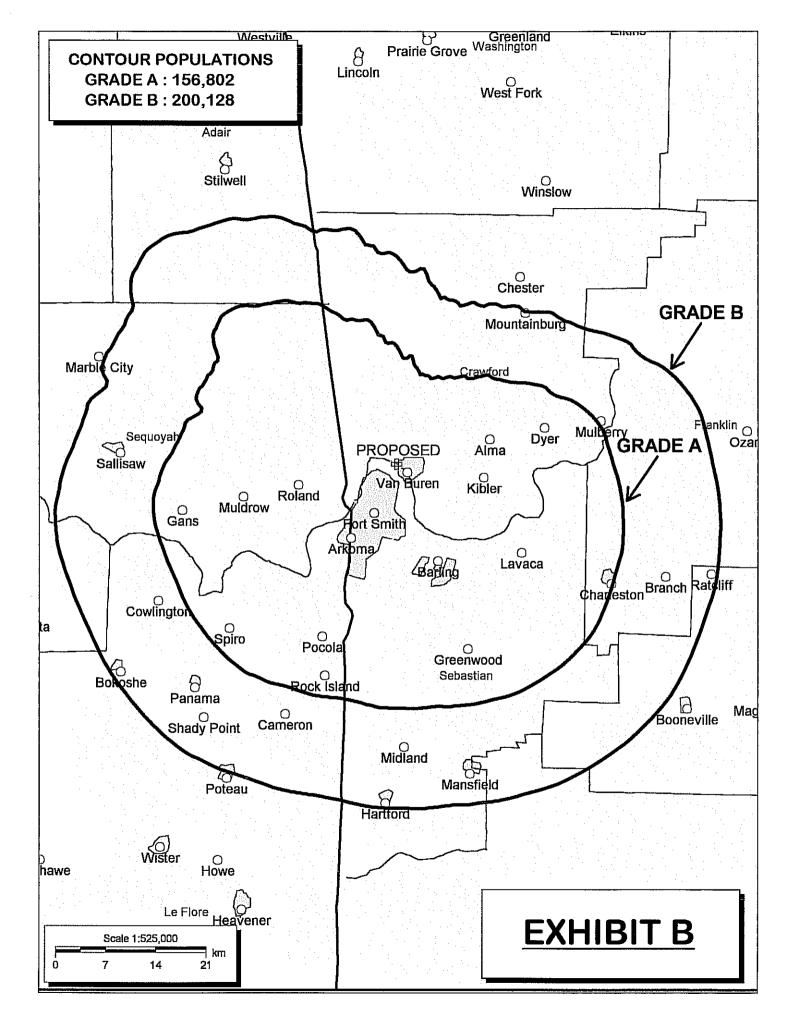
The engineering data contained herein have been prepared on behalf of FORT SMITH 46, INC., licensee of Low Power Television Station KXUN-LP, Channel 43 in Fort Smith, Arkansas, in support of this application for modification of Construction Permit BPTTL-20021108AAF to specify an increase in ERP. No change in site, in antenna height, or azimuth pattern is proposed herein.

It is proposed to mount an SWR directional antenna at the 73-meter level of the existing 82-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. Since no change in site is proposed herein, the newly proposed 74 dBu contour necessarily encompasses a significant portion of that which obtains from the licensed facility. Therefore, the changes proposed herein constitute a "minor" change in facilities. Operating parameters for the proposed facility are tabulated in Exhibit C. A contour overlap analysis and interference study are provided in Exhibit D, and a power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1039549 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

JEFFREYS FISHER



#### SMITH AND FISHER

## **EXHIBIT C**

### PROPOSED OPERATING PARAMETERS

PROPOSED LPTV STATION KXUN-LP CHANNEL 43 – FORT SMITH, ARKANSAS [MODIFICATION OF BPTTL-20021108AAF]

Transmitter Power Output: 7.1 kw
Transmission Line Efficiency: 77.0%
Antenna Power Gain – Toward Horizon: 27.4
Antenna Power Gain – Main Lobe: 27.4
Effective Radiated Power – Toward Horizon: 150.0 kw
Effective Radiated Power – Main Lobe: 150.0 kw

Transmitter Make and Model: Type-accepted

Rated Ouput 8.0 kw

Transmission Line Make and Model: Andrew HJ8-50B

Size and Type: 3" Air-Dielectric

Length: 265 feet

Antenna Make and Model: SWR SWLP16WC

Orientation 210 degrees true

Beam Tilt 0.75 degrees

Effective Height Above Ground: 73 meters

Effective Height Above Mean Sea Level: 317 meters