

**EXHIBIT A**

**ENGINEERING STATEMENT**

The engineering data contained herein have been prepared on behalf of CASA OF AUSTIN, L.P., licensee of Class A LPTV station KXLK-CA, Channel 23 in Austin, Texas, in support of this Application for Construction Permit to specify an increase in center of radiation and antenna model. No change in effective radiated power or site location is proposed herein.

It is proposed to mount a standard ERI omnidirectional antenna at the 319-meter level of an existing 375-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the proposed 51 dBu contour encompasses the station's city of license as well as the Grade A contour of the analog facility. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is 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 1013180 to this tower.

**EXHIBIT A**

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.

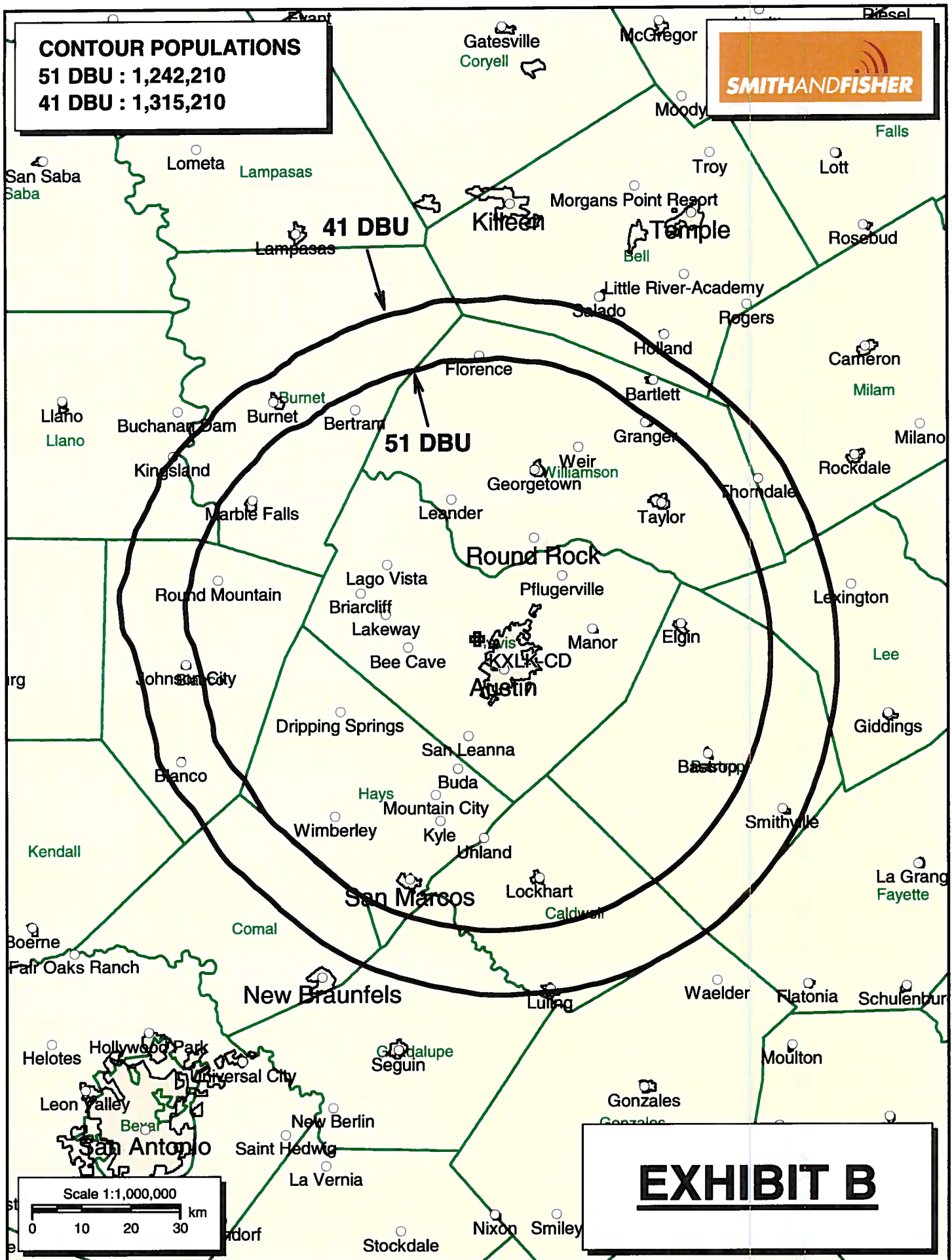


**KYLE T. FISHER**

February 14, 2012



**CONTOUR POPULATIONS**  
**51 DBU : 1,242,210**  
**41 DBU : 1,315,210**



**EXHIBIT B**

**PROPOSED OPERATING PARAMETERS****PROPOSED KXLK-CD  
CHANNEL 23 – AUSTIN, TEXAS**

Transmitter Power Output:	3.48 kw	5.42 dBk
Transmission Line Efficiency:	36.7%	4.35 dB
Antenna Power Gain – Toward Horizon:	11.73	10.69 dBd
Antenna Power Gain – Main Lobe:	11.73	10.69 dBd
Effective Radiated Power – Toward Horizon:	15 kw	11.76 dBk
Effective Radiated Power – Main Lobe:	15 kw	11.76 dBk
Transmitter Make and Model:	Type-accepted	
Transmission Line Make and Model:	Andrew HJ8-50B	
Size and Type:	3" air heliax	
Length:	1164 feet	
Antenna Make and Model:	ERI AL12-23-PLC	
Orientation	omnidirectional	
Beam Tilt	1.25 degrees	
Radiation Center Above Ground:	319 meters	
Radiation Center Above Mean Sea Level:	568 meters	

LONGLEY-RICE INTERFERENCE STUDIES  
PROPOSED KXLK-CD  
CHANNEL 23 – AUSTIN, TEXAS

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 2000 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than proposed KXLK-CD) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit D-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed KXLK-CD facility complies with the requirements of Sections 73.6016, 73.6017, 73.6018, 73.6019, 73.6020, 73.6027 and 74.794(b) of the Commission's Rules.

**INTERFERENCE SUMMARY**  
**PROPOSED KXLK-CD**  
**CHANNEL 23 - AUSTIN, TEXAS**

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	<u>Longley-Rice Service Population</u>	<u>Unmasked Interference From Proposed Facility</u>	<u>%</u>
KUVN-DT BLC DT-20090618AAG	Lic.	Garland, TX	23	5,328,633	10	<0.1
KUVN-DT BPC DT-20110914ADX	CP	Garland, TX	23	5,440,213	10	<0.1
KLTJ-DT BLE DT-20110127ACD	Lic.	Galveston, TX	23	4,800,650	133	<0.1
KAGS-LD BLD TL-20101026AAZ	Lic.	Bryan, TX	23	184,961	5	<0.1

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KXLK-CD  
CHANNEL 23 – AUSTIN, TEXAS

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Austin facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15 kw, an antenna radiation center 319 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of  $0.00020 \text{ mw/cm}^2$  is calculated to occur 97 meters from the base of the tower. Since this is only 0.1 percent of the  $0.35 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 23 (524-530 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.