

ENGINEERING STATEMENT

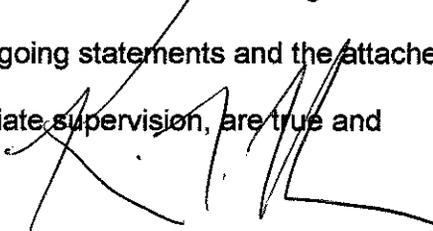
The engineering data contained herein have been prepared on behalf of NORTHERN CALIFORNIA EDUCATIONAL TELEVISION ASSOCIATION, INC., licensee of television translator K35DE, Channel 35 in Yreka, California, in support of this Application for Construction Permit to specify digital operation on Channel 19 from the corrected K35DE site. The proposal is being submitted in response to the Commission's assignment of Channel 35 to KTVL-DT in Medford, Oregon. The site of K35DE is located 53.1 kilometers from that of KTVL-DT, thereby placing this translator in a displacement situation.

It is proposed to mount a standard ERI omnidirectional antenna at the authorized height on the side of the existing 31-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the newly proposed 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed K35DE 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. Due to the diminutive height of the tower and its proximity to the nearest airport runway, FCC antenna structure registration is not required. This conclusion is supported by the Commission's TOWAIR Program.

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.

March 28, 2006

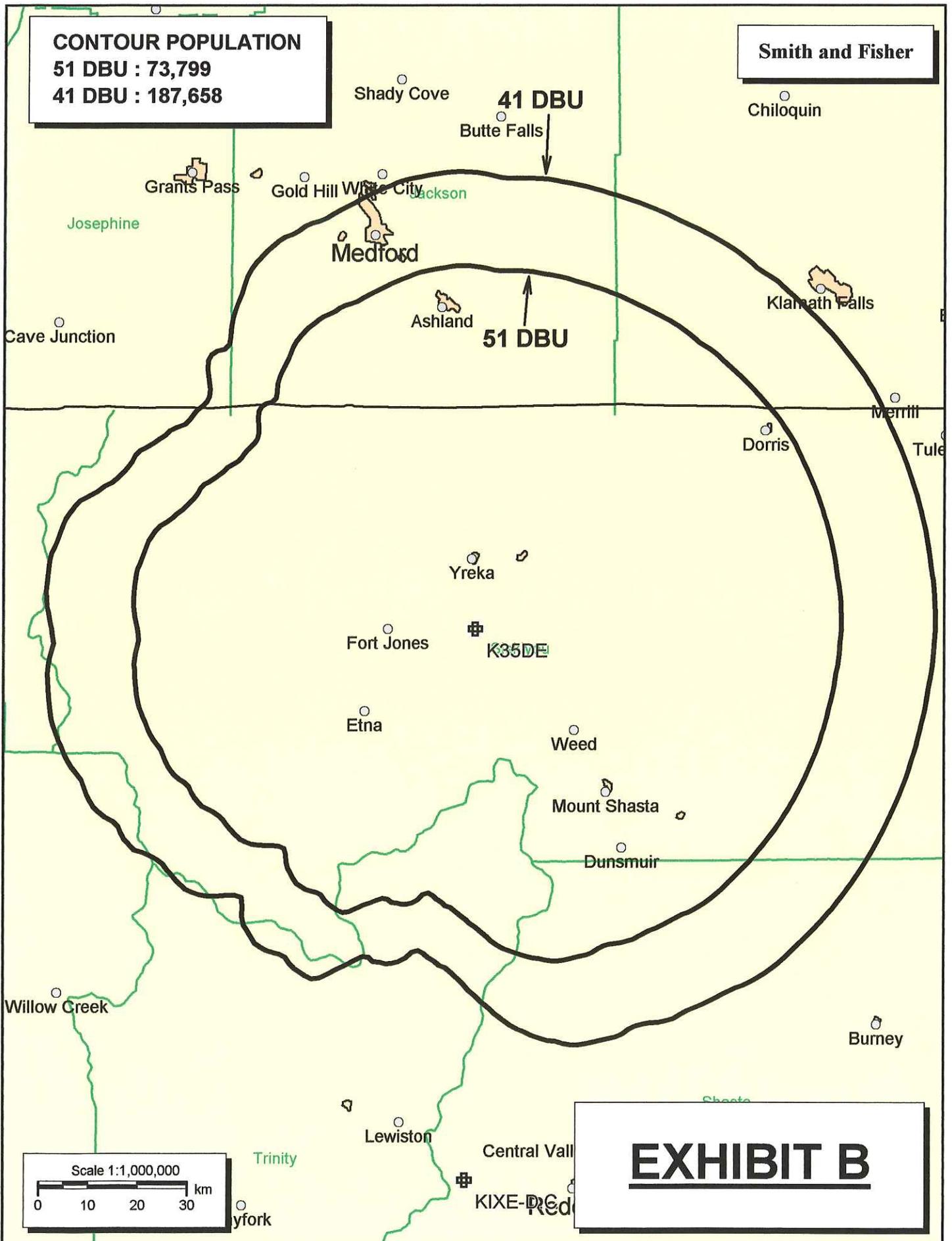
  
KEVIN T. FISHER

**CONTOUR POPULATION**

**51 DBU : 73,799**

**41 DBU : 187,658**

**Smith and Fisher**



**41 DBU**

**51 DBU**

**EXHIBIT B**

## PROPOSED OPERATING PARAMETERS

PROPOSED K35DE-D  
CHANNEL 19 – YREKA, CALIFORNIA

Transmitter Power Output:	1.5 kw
Transmission Line Efficiency:	70.5%
Antenna Power Gain – Toward Horizon:	14.06
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Toward Horizon:	15.0 kw
Effective Radiated Power – Main Lobe:	15.0 kw
Transmitter Make and Model:	Type-accepted
Rated Output	2.0 kw
Transmission Line Make and Model:	RFS LCF12-50J
Size and Type:	½" foam heliax
Length:	100 feet
Antenna Make and Model:	ERI AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	21 meters
Radiation Center Above Mean Sea Level:	1,816 meters