

EXHIBIT A

## ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of CHANNEL 49 ACQUISITION CORPORATION, licensee of KTEN(TV), Ada, Oklahoma, and permittee of a new digital television station to operate on Channel 26 as KTEN-DT (BPCDT-19991007AAW), in support of its request for Special Temporary Authority to operate with reduced effective radiated power. No change in site location is proposed herein.

Exhibit B provides antenna pattern data and proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map showing the authorized and proposed 41 dbμ digital service contours. It shows that the proposed STA contour is entirely within that authorized to KTEN-DT. Exhibit E demonstrates that the requisite 41 dbμ service will be provided to the community of license. In all respects, the proposed facility complies with current Commission's Rules.

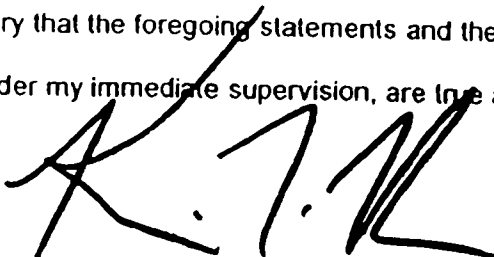
Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC has issued Antenna Structure Registration Number 1011425 to this tower.

We have studied the RF transmissions of this facility with regard to their environmental effect. Employing the methods set forth in *OET Bulletin No. 65* and considering the vertical pattern of the proposed Dielectric antenna, we calculate maximum power density two meters above ground from the proposed facility to be  $0.000063 \text{ mw/cm}^2$ , at locations 119 meters from the tower base. This value represents less than 0.1 percent of the  $0.36 \text{ mw/cm}^2$  reference at this frequency for uncontrolled areas (areas with access to the public). Further, the owners of

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KTEN-DT will take whatever preventive 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 RF energy. On this basis, a grant of this proposal would clearly constitute a minor environmental action with respect to public and occupational exposure to nonionizing electromagnetic radiation.

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.



KEVIN T. FISHER

November 12, 2002

## ELEVATION PATTERN

RMS Gain at Main Lobe

8 (9.03 dB)

Beam Tilt

1.00 Degrees

RMS Gain at Horizontal

7.5 (8.75 dB)

Frequency

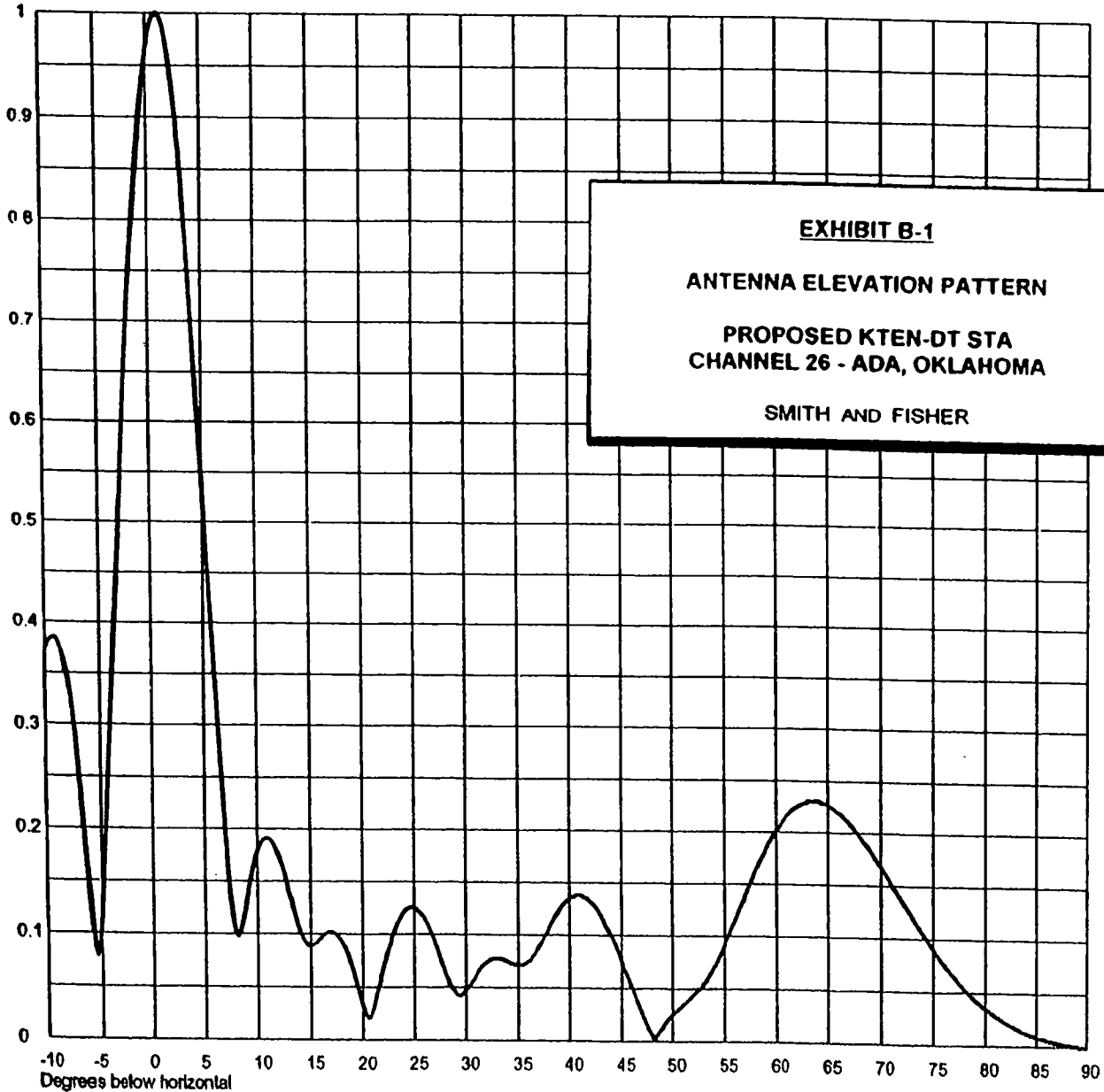
671.00 MHz

Calculated / Measured

Calculated

Drawing #

08L08010-90-90



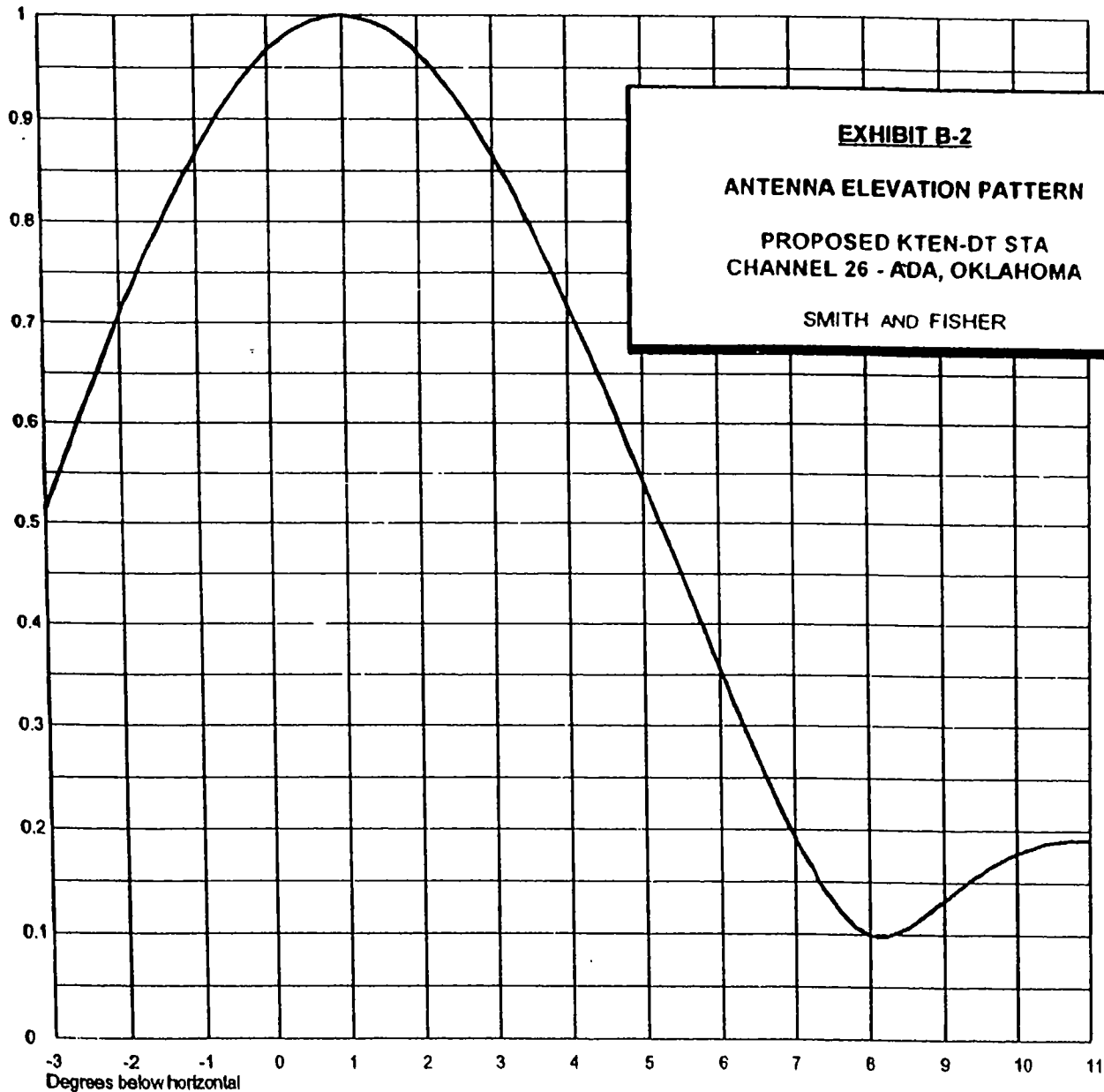
Remarks:



Proposal Number		Revision	
Date	11 Nov 2002		
Call Letters	KTEN-DT	Channel	47
Location	Ada, OK		
Customer			
Antenna Type	DL-8		

### ELEVATION PATTERN

RMS Gain at Main Lobe	8 (9.03 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	7.5 (8.75 dB)	Frequency	671.00 MHz
Calculated / Measured	Calculated	Drawing #	08L08010-90



Remarks:

EXHIBIT C-1

PROPOSED OPERATING PARAMETERS

PROPOSED STA FACILITY  
KTEN-DT  
CHANNEL 26 - ADA, OKLAHOMA

ERP	2.6 kw
Site Elevation AMSL	268.3 meters
Overall Structure Height AGL	444.5 meters
Radiation Center Height AGL	244 meters
Radiation Center Height AMSL	512 meters
Radiation Center Height AAT	265 meters
Antenna Structure Registration Number	1011425
Antenna Type	Omnidirectional
Geographic Coordinates	34-21-34 N 96-33-34 W

EXHIBIT C-2

## PROPOSED OPERATING PARAMETERS

PROPOSED STA FACILITY  
KTEN-DT  
CHANNEL 26 - ADA, OKLAHOMA

Transmitter power output	0.50 kw
Transmission line loss	0.31 kw
Input to antenna	0.19 kw
Antenna gain (maximum)	13.6
Effective radiated power (maximum)	2.6 kw
Transmitter make and model:	Type-accepted
Rated Power:	500 watts
Transmission line	
Make and model:	Andrew HJ7-50A
Size:	1-5/8"
Type:	Air heliax
Length:	850 feet
Antenna	
Make and model:	Dielectric DL-8
Type:	Omnidirectional
RCAGL	800 feet

