

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KDBC LICENSE, LLC, licensee of KDBC-DT, Channel 18 in El Paso, Texas, in support of its Application for Construction Permit to operate an auxiliary facility.

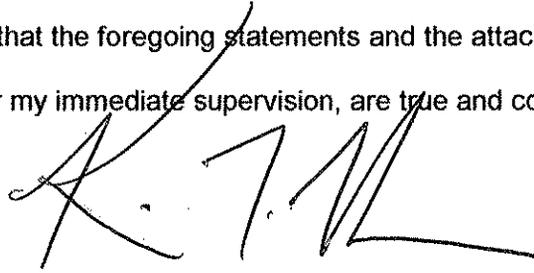
It is proposed to utilize the existing RFT directional antenna (authorized under Special Temporary Authority BDSTA-20030411ACZ) at the 84-meter level of the existing 125-meter tower on which the present KDBC-DT antenna is mounted. Exhibit B provides antenna azimuth and elevation pattern data, and proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours of the licensed KDBC-DT facility and the proposed auxiliary facility are plotted. As shown, the auxiliary's 41 dBu contour is completely contained within that of the facility licensed to KDBC-DT in BLCDT-20050707ACZ. As a result, and since this proposal is for an auxiliary facility, an interference study is not provided. A power density calculation appears in Exhibit E.

It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the KDBC-DT site. However, if such should occur, the owner of this station recognizes its obligation to take whatever corrective actions are necessary.

Since no change in overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1047920 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.

A handwritten signature in black ink, appearing to read 'K. T. Fisher', with a long horizontal stroke extending to the right.

KEVIN T. FISHER

April 2, 2008

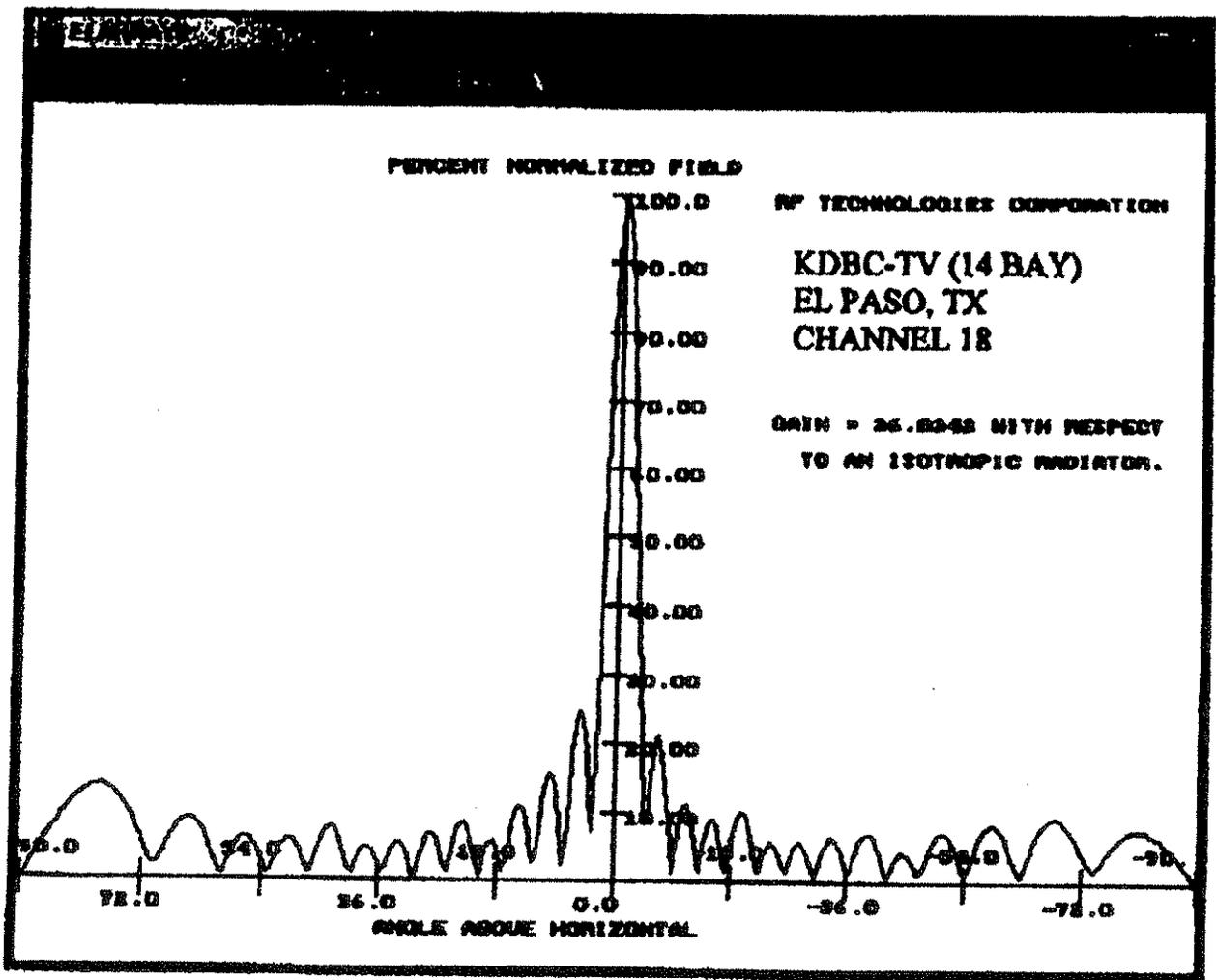


FIG. 1.2

VERTICAL RADIATION PATTERN

KDBC-TV Limited Partnership  
El Paso, TX

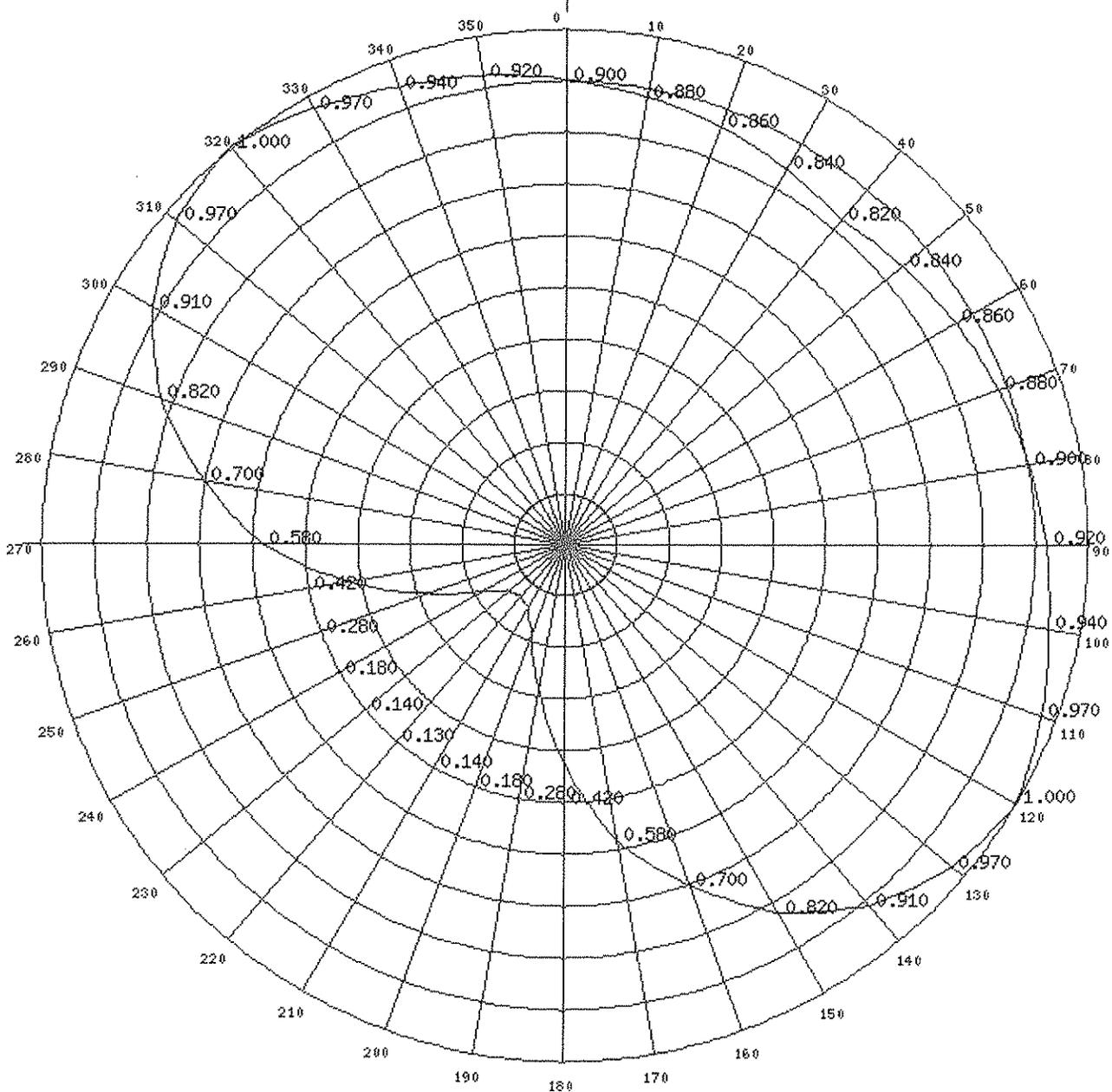
EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED KDBC-DT AUXILIARY  
CHANNEL 18 - EL PASO, TEXAS

SMITH AND FISHER

Any specified rotation has already been applied to the plotted pattern.  
Field strength values shown on a rotated pattern may differ from the listed values because intermediate azimuths are interpolated between entered azimuths.



**EXHIBIT B-2**  
**ANTENNA AZIMUTH PATTERN**  
**PROPOSED KDBC-DT AUXILIARY**  
**CHANNEL 18 – EL PASO, TEXAS**  
**SMITH AND FISHER**

## ANTENNA AZIMUTH PATTERN DATA

PROPOSED KDBC-DT AUXILIARY  
CHANNEL 18 – EL PASO, TEXAS

<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)	<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)
0	0.90	12.4	180	0.42	5.8
10	0.88	12.2	190	0.28	2.3
20	0.86	12.0	200	0.18	-1.5
30	0.84	11.8	210	0.14	-3.7
40	0.82	11.6	220	0.13	-4.4
50	0.84	11.8	230	0.14	-3.7
60	0.86	12.0	240	0.18	-1.5
70	0.88	12.2	250	0.28	2.3
80	0.90	12.4	260	0.42	5.8
90	0.92	12.6	270	0.58	8.6
100	0.94	12.8	280	0.70	10.2
110	0.97	13.1	290	0.82	11.6
120	1.00	13.3	300	0.91	12.5
130	0.97	13.1	310	0.97	13.1
140	0.91	12.5	320	1.00	13.3
150	0.82	11.6	330	0.97	13.1
160	0.70	10.2	340	0.94	12.8
170	0.58	8.6	350	0.92	12.6

EXHIBIT C

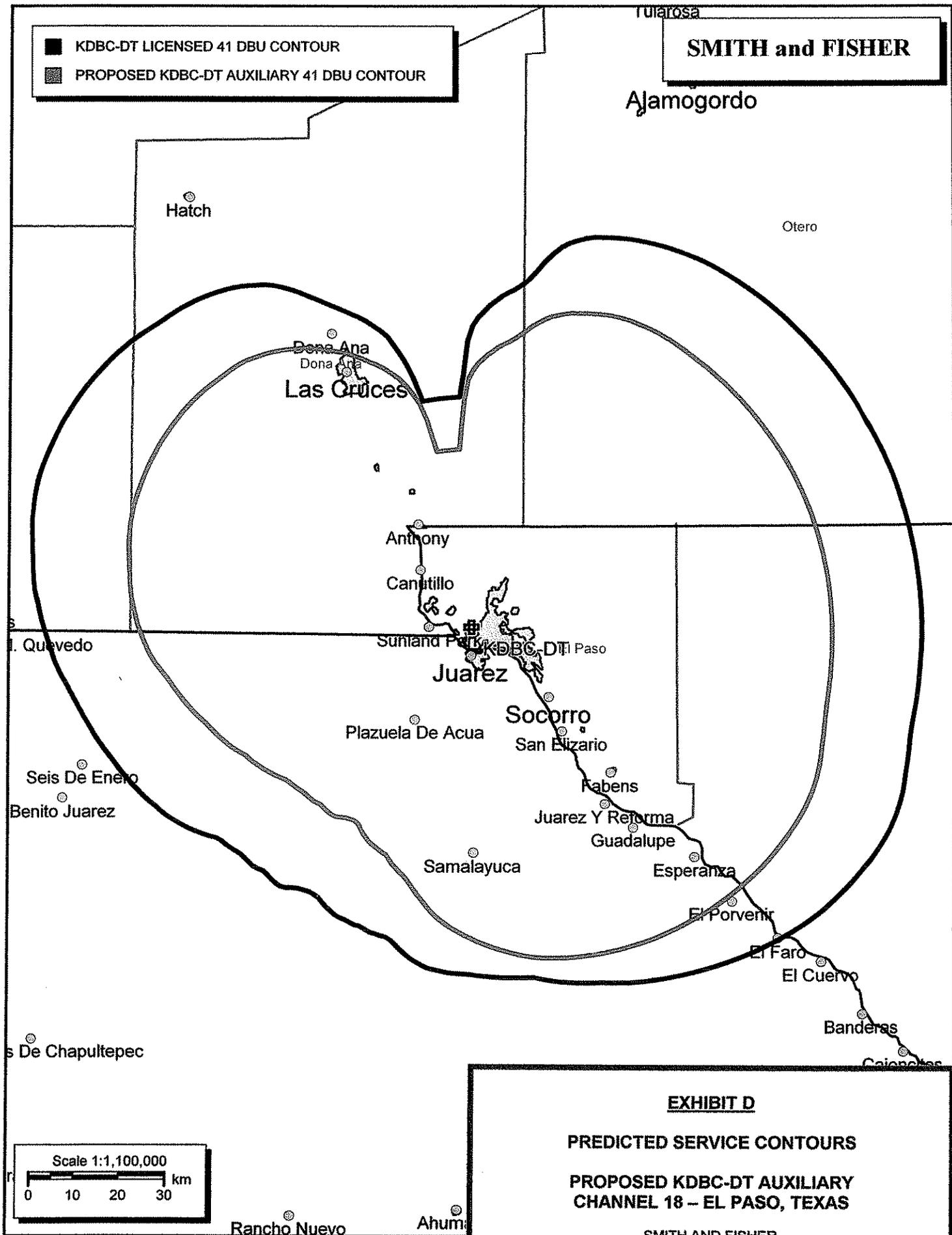
PROPOSED OPERATING PARAMETERS

PROPOSED KDBC-DT AUXILIARY  
CHANNEL 18 – EL PASO, TEXAS

Transmitter Power Output:	1.0 kw
Transmission Line Efficiency:	68.2%
Antenna Power Gain – Main Lobe:	31.7
Effective Radiated Power – Main Lobe:	21.6 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	350 feet
Antenna:	
Make and Model:	RFT CS-2030-DC-14R
Orientation	40 degrees true
Beam Tilt	1.0 degrees
Radiation Center Above Ground:	84 meters
Radiation Center Above Mean Sea Level:	1669 meters

**SMITH and FISHER**

■ KDBC-DT LICENSED 41 DBU CONTOUR  
▨ PROPOSED KDBC-DT AUXILIARY 41 DBU CONTOUR



**EXHIBIT D**

**PREDICTED SERVICE CONTOURS**

**PROPOSED KDBC-DT AUXILIARY  
CHANNEL 18 – EL PASO, TEXAS**

**SMITH AND FISHER**

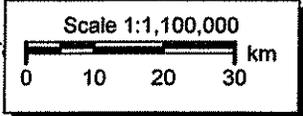


EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KDBC-DT AUXILIARY  
CHANNEL 18 – EL PASO, 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 El Paso facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 21.6 kw, an antenna radiation center 84 meters above ground, and the elevation pattern of the RFT antenna, maximum power density two meters above ground of  $0.00092 \text{ mw/cm}^2$  is calculated to occur 33 meters northeast of the base of the tower. Since this is only 0.3 percent of the  $0.33 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 18 (494-500 MHz), a grant of this proposal may be considered a minor environmental action with respect to public and occupational ground-level 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.