ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WITI LICENSE, INC., licensee of WITI(TV) in Milwaukee, Wisconsin, and permittee of WITI-DT (BPCDT-19991004ABL), in support of its request for Special Temporary Authority (STA) to operate with reduced antenna height and a slightly different antenna pattern.

The station is unable to construct its DTV facility at present due to structural issues associated with the tower upon which the authorized antenna will be mounted. A request to extend the Commission's "Use-it-or-lose-it" deadline has been filed, and it contains all of the facts regarding the tower issues. It is important to note that WITI-DT is presently operating under authorization from a previous STA. The new STA will increase significantly the coverage of WITI-DT beyond that which presently is being served.

Exhibit B provides antenna pattern data for the new antenna and proposed operating parameters are tabulated in Exhibit C. Exhibit D-1 is a map on which the proposed digital service contour is plotted in relation to that authorized under BPCDT-19991004ABL. It shows that the proposed STA contour is located entirely within that authorized to WITI-DT. Exhibit D-2 is a map on which the 48 dBu contour of the STA facility is plotted. From this map it is clear that the requisite service will be provided to Milwaukee, the community of license. A power density calculation is provided in Exhibit E. In all respects, the proposed facility complies with the Commission's Rules.

Since no change in the overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. In addition, the Commission has issued Antenna Structure Registration Number 1056835 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.

KEVIN T. FISHER

July 11, 2005

Dielectric

Proposal Number	**DCA-10869**
Date	**28-Feb-05**
Call Letters	**WITI-DT** Channel **33**
Location	**Milwaukee, WI**
Customer	
Antenna Type	**TFU-24JSC/VP-R 4C160**

ELEVATION PATTERN

RMS Gain at Main Lobe	**21.00**	**(13.22 dB)**	Beam Tilt	**0.80 deg**
RMS Gain at Horizontal	**14.60**	**(11.64 dB)**	Frequency	**587.00 MHz**
Calculated / Measured	**Calculated**		Drawing #	**24Z210080-90**

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WITI-DT STA
CHANNEL 33 - MILWAUKEE, WISCONSIN

SMITH AND FISHER
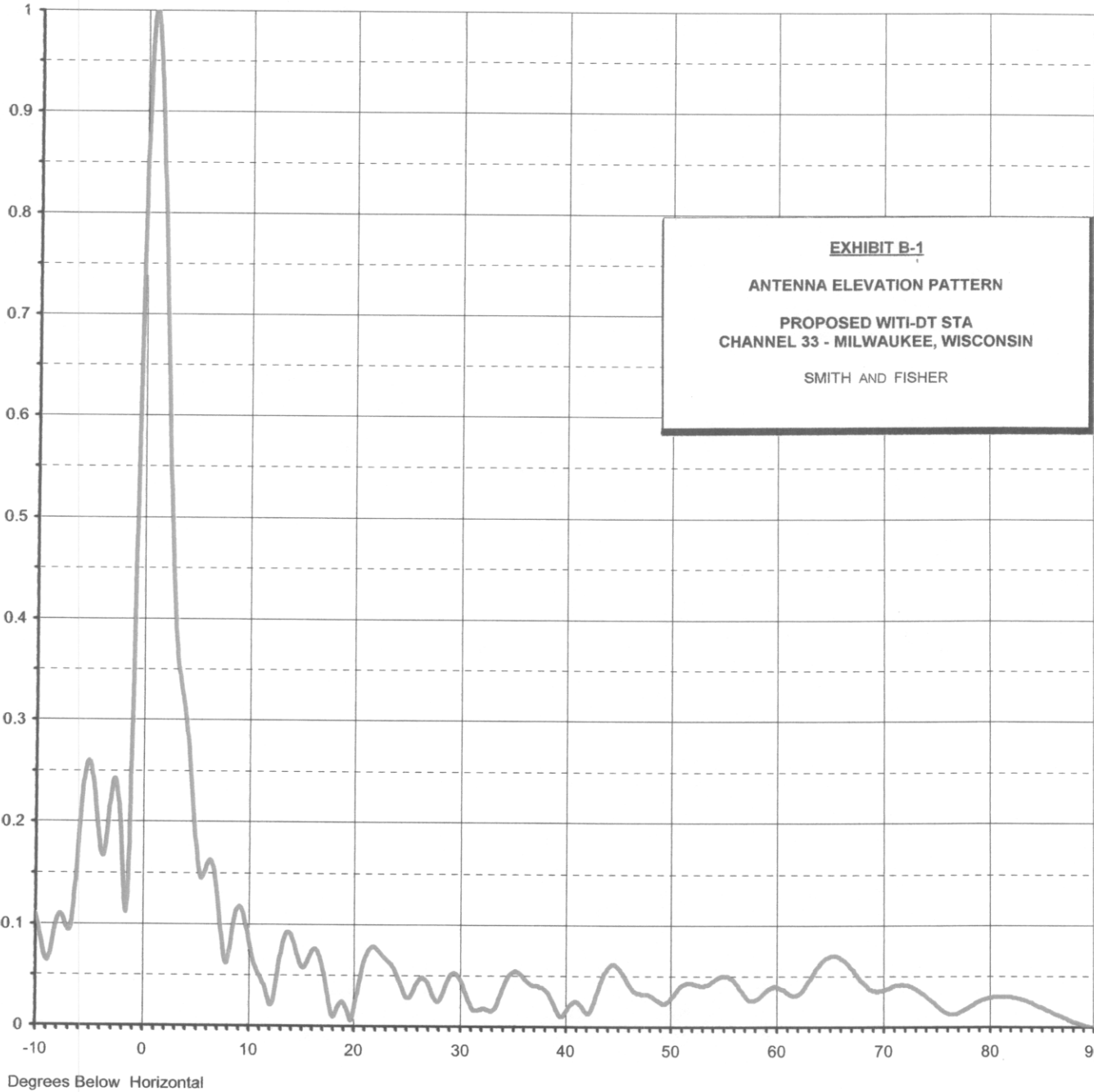
Degrees Below Horizontal

![Dielectric]

Proposal Number **DCA-10869**
Date **28-Feb-05**
Call Letters **WITI-DT** Channel **33**
Location **Milwaukee, WI**
Customer
Antenna Type **TFU-24JSC/VP-R 4C160**

AZIMUTH PATTERN

Gain **1.60** **(2.04 dB)**
Calculated / Measured **Calculated**

Frequency **587.00 MHz**
Drawing # **TFU-4C160**

Dielectric

Proposal Number	**DCA-10869**
Date	**28-Feb-05**
Call Letters	**WITI-DT** Channel **33**
Location	**Milwaukee, WI**
Customer	
Antenna Type	**TFU-24JSC/VP-R 4C160**

AZIMUTH PATTERN/VERTICAL POLARIZATION

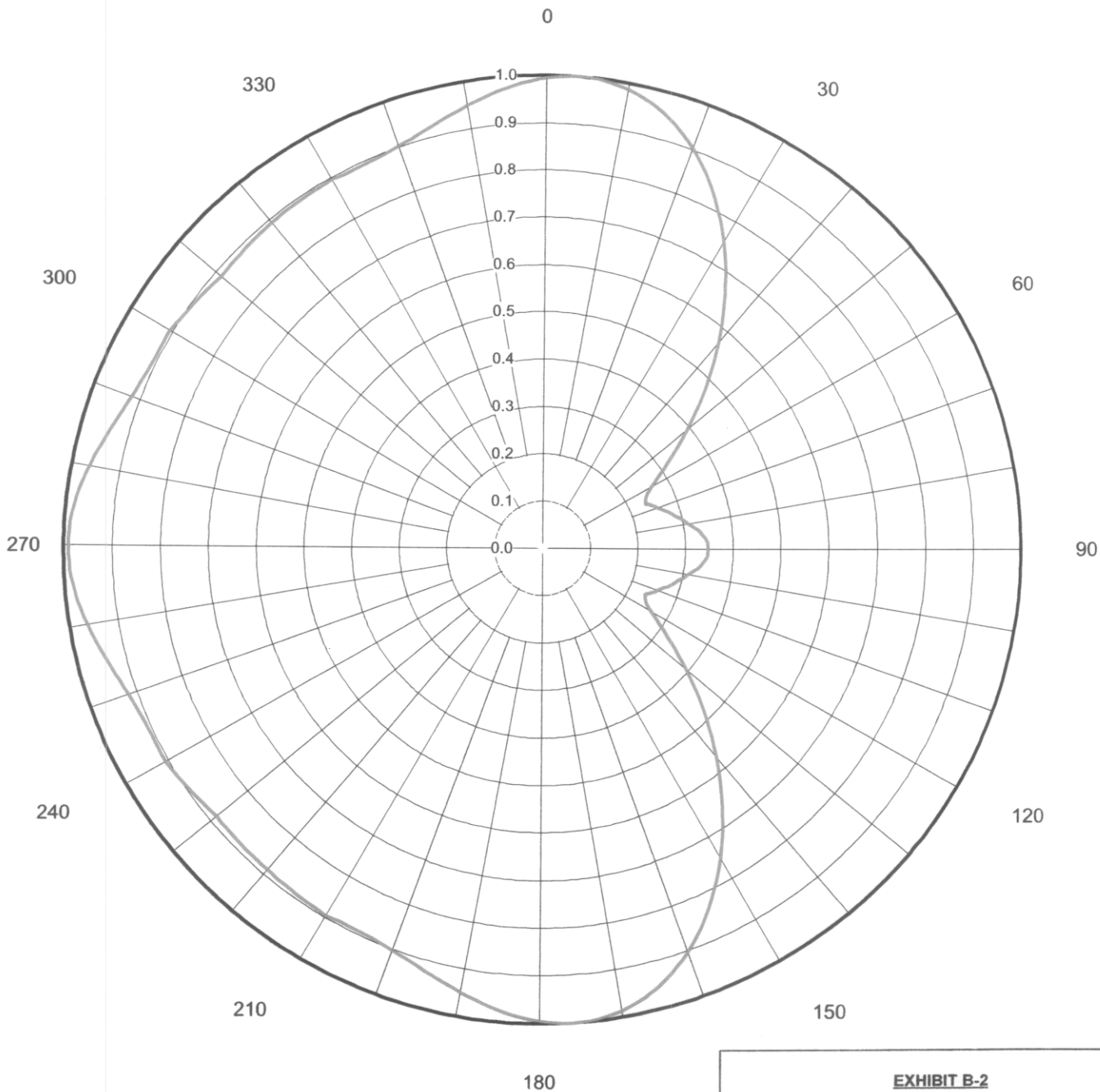|				
Gain	**2.70**	**(4.31 dB)**	Frequency	**587.00 MHz**
Calculated / Measured		**Calculated**	Drawing #	**TFU-4C270**

EXHIBIT B-3

ANTENNA AZIMUTH PATTERN
(VERTICAL PLANE)

PROPOSED WITI-DT STA
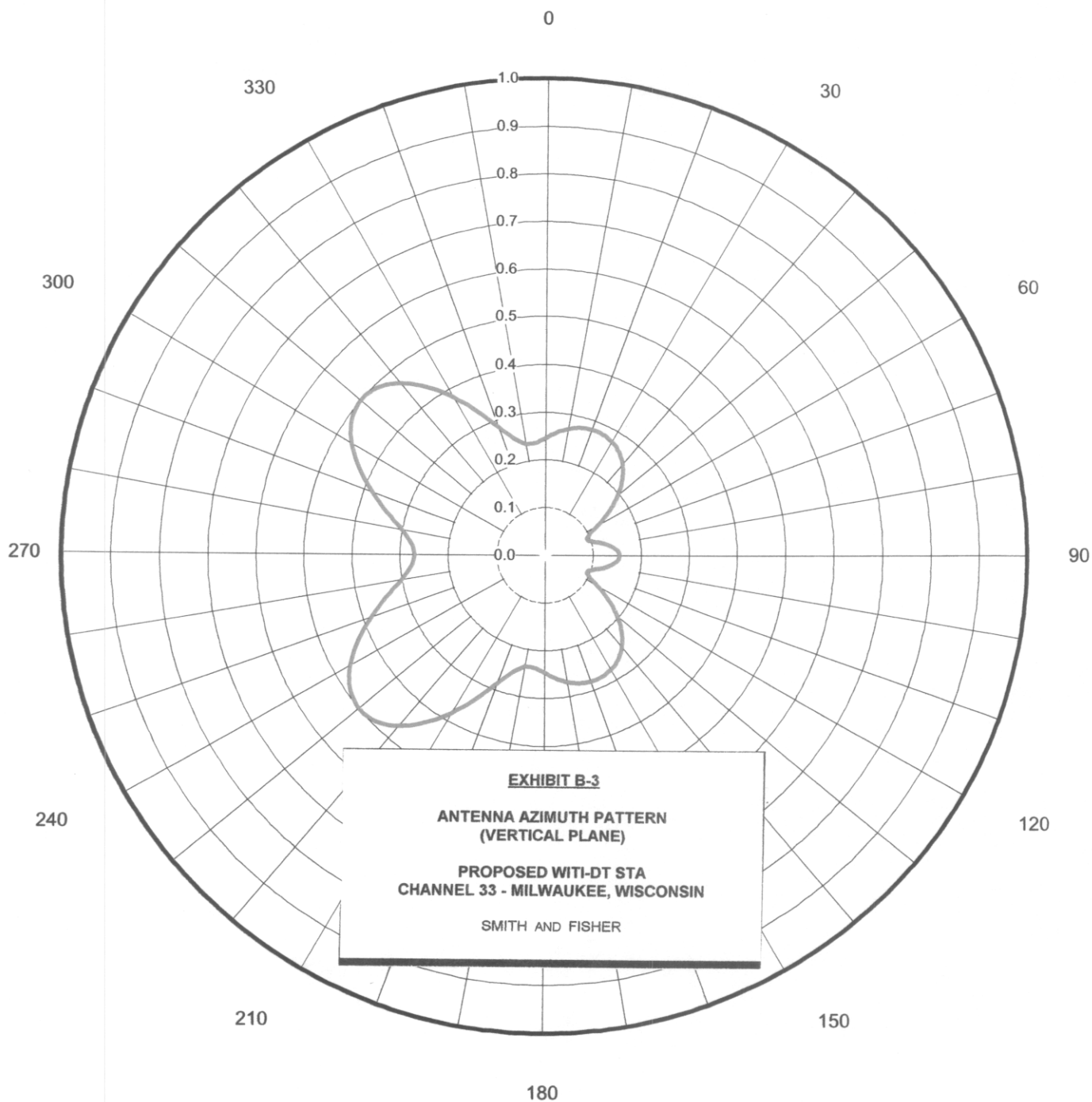CHANNEL 33 - MILWAUKEE, WISCONSIN

SMITH AND FISHER

ANTENNA RADIATION VALUES

PROPOSED WITI-DT
CHANNEL 33 – MILWAUKEE, WISCONSIN

Azimuth (° T)	Relative Field	ERP (dbk)	Azimuth (° T)	Relative Field	ERP (dbk)
0	0.995	30.0	180	0.995	30.0
10	0.987	29.9	190	0.949	29.5
20	0.902	29.1	200	0.901	29.1
30	0.752	27.5	210	0.895	29.0
40	0.570	25.1	220	0.887	29.0
50	0.394	21.9	230	0.884	28.9
60	0.262	18.4	240	0.905	29.1
70	0.257	18.2	250	0.917	29.2
80	0.309	19.8	260	0.963	29.7
90	0.348	20.8	270	0.990	29.9
100	0.309	19.8	280	0.963	29.7
110	0.257	18.2	290	0.917	29.2
120	0.262	18.4	300	0.905	29.1
130	0.394	21.9	310	0.884	28.9
140	0.570	25.1	320	0.891	29.0
150	0.752	27.5	330	0.895	29.0
160	0.902	29.1	340	0.901	29.1
170	0.987	29.9	350	0.949	29.5
176	1.000	30.0			