

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FOX TELEVISION STATIONS, INC., licensee of WTXF-DT, Channel 42 in Philadelphia, Pennsylvania, in support of its Application for Construction Permit to operate a post-transition auxiliary facility.

It is proposed to utilize a standard ERI elliptically-polarized directional antenna at the 108-meter level of an existing 117-meter tower. Exhibit B provides elevation pattern data for the antenna. Exhibit C is a map upon which the predicted service contours of the recently authorized WTXF-DT post-transition facility and the proposed auxiliary facility are plotted. As shown, the auxiliary's 41 dBu contour is completely contained within that authorized to WTXF-DT. 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 D.

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 WTXF-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 1026546 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.

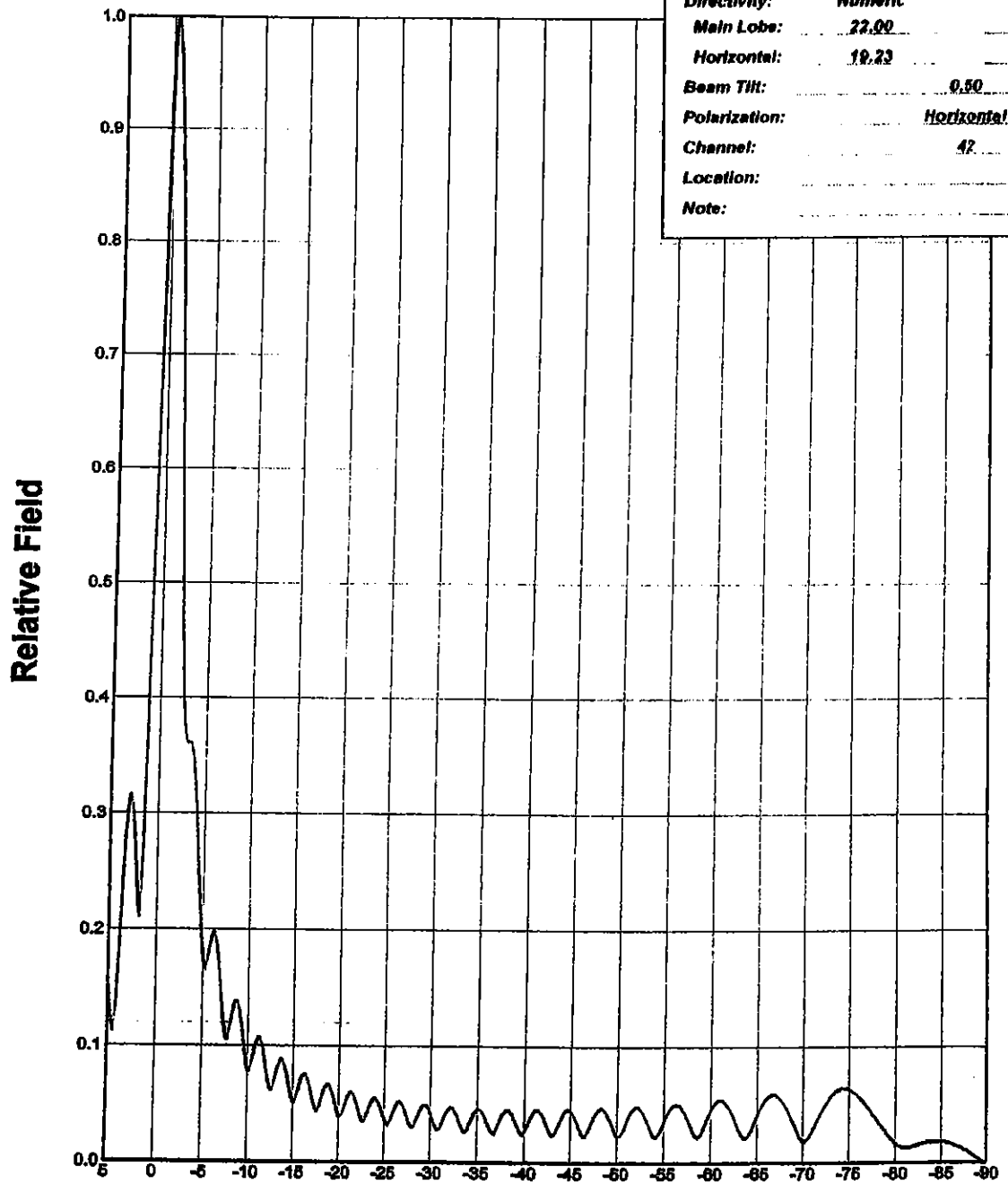
April 24, 2008

  
KEVIN T. FISHER



## ELEVATION PATTERN

Type:	ATW22H2H	
Directivity:	Numeric	dBd
Main Lobe:	22.00	13.42
Horizontal:	19.23	12.84
Beam Tilt:	0.50	
Polarization:	Horizontal	
Channel:	42	
Location:		
Note:		



Electronics Research, Inc.  
7777 Gardner Road  
Chandler, Indiana U.S.A 47610

### EXHIBIT B

#### ANTENNA ELEVATION PATTERN

PROPOSED WTXF-DT AUXILIARY  
CHANNEL 42 - PHILADELPHIA, PENNSYLVANIA

SMITH AND FISHER





EXHIBIT D

POWER DENSITY CALCULATION

PROPOSED WTXF-DT AUXILIARY  
CHANNEL 42 – PHILADELPHIA, PENNSYLVANIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Philadelphia facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 1000 kw, an antenna radiation center 108 meters above ground, and the elevation pattern of the Andrew antenna, maximum power density two meters above ground of  $0.011 \text{ mw/cm}^2$  is calculated to occur 28 meters from the base of the tower. Since this is only 2.6 percent of the  $0.43 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 42 (638-644 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.