EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FOX TELEVISION STATIONS, INC., licensee of WJBK-DT, Channel 58 in Detroit, Michigan, in support of its Application for Construction Permit to operate on Channel 7 with a maximized post-transition DTV facility.

It is proposed to mount an ERI elliptically polarized directional antenna at the 315-meter level of the existing 323-meter tower on which the present WJBK-DT antenna is mounted. Exhibit B provides azimuth and elevation pattern data for the proposed antenna. Exhibit C is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 43 dBu service contour. An interference study is included in Exhibit D, and a power density calculation is provided 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 WJBK-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 1000069 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.

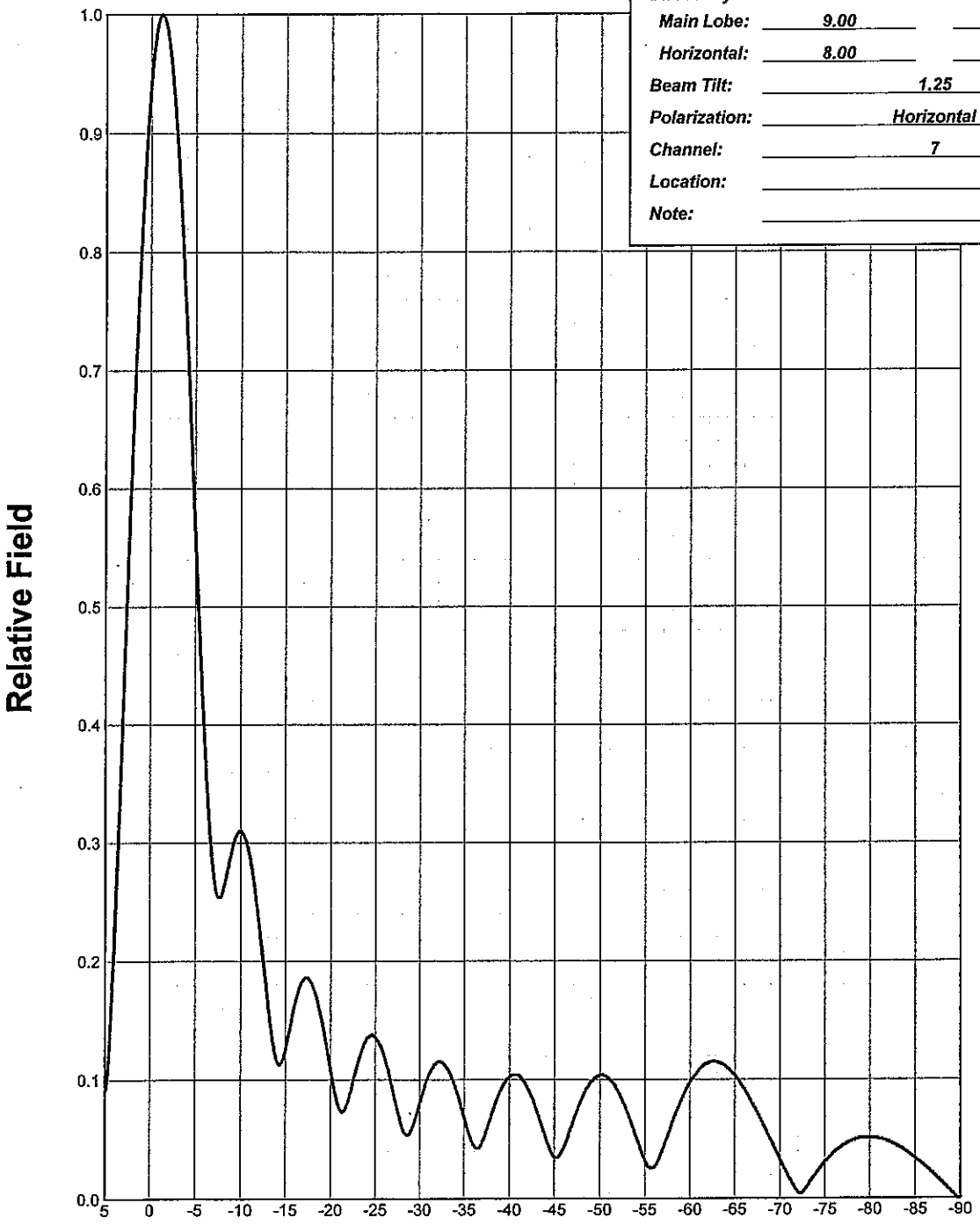
June 20, 2008

KYLE T. FISHER

ERI®

ELEVATION PATTERN

Type:	ATW9V5H	
Directivity:	Numeric	dBd
Main Lobe:	9.00	9.54
Horizontal:	8.00	9.03
Beam Tilt:	1.25	
Polarization:	Horizontal	
Channel:	7	
Location:		
Note:		



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

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN

SMITH AND FISHER

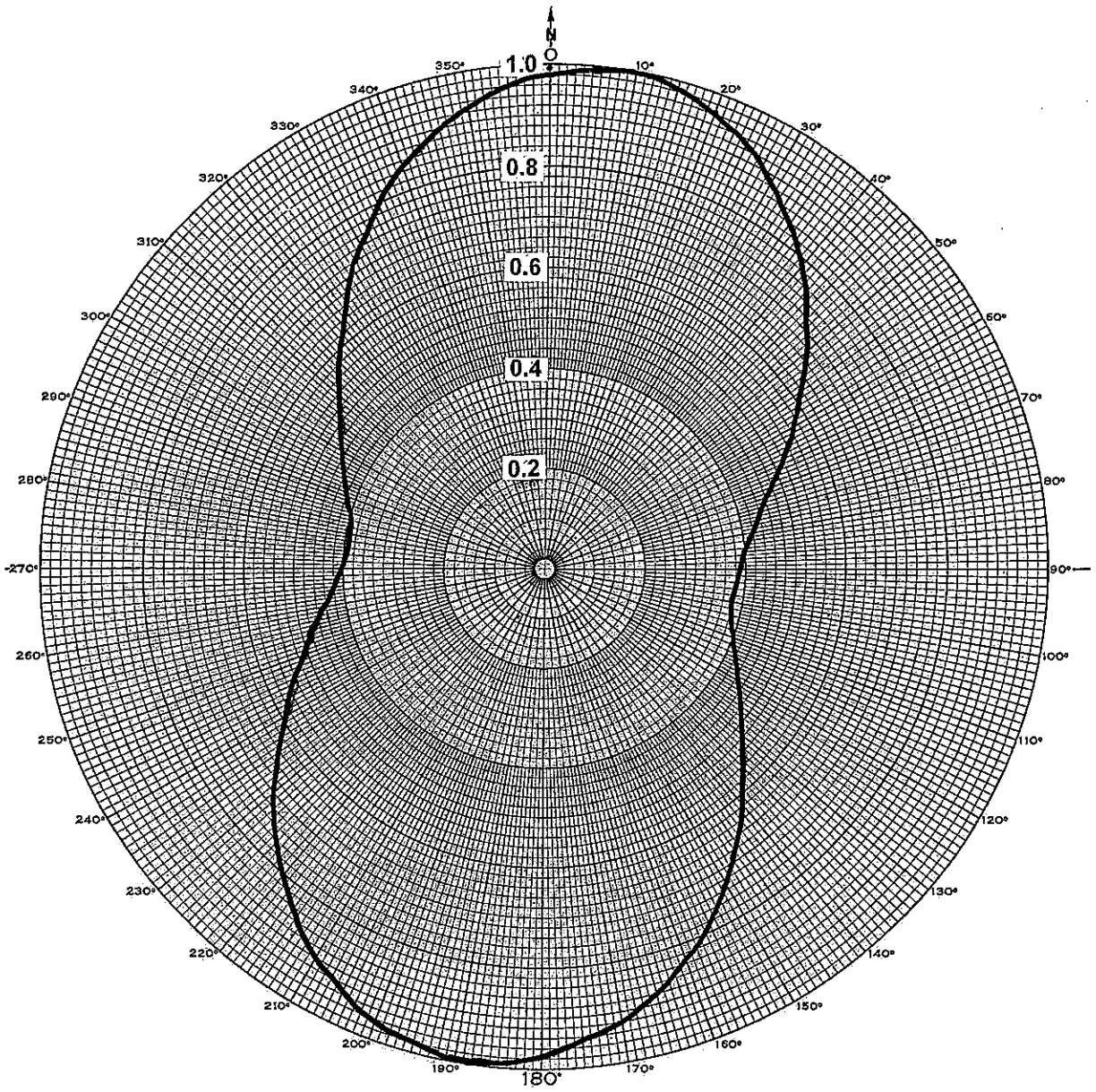


EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN

SMITH AND FISHER

EXHIBIT B-3

ANTENNA AZIMUTH PATTERN DATA

PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN

Azimuth (° T)	Relative Field	ERP (kw)	Azimuth (° T)	Relative Field	ERP (kw)
0	0.982	59.8	180	0.982	59.8
10	0.995	60.0	190	0.995	60.0
20	0.964	59.7	200	0.964	59.7
30	0.895	59.0	210	0.895	59.0
40	0.798	58.0	220	0.798	58.0
50	0.688	56.8	230	0.688	56.8
60	0.580	55.3	240	0.580	55.3
70	0.489	53.8	250	0.489	53.8
80	0.427	52.6	260	0.427	52.6
90	0.393	51.9	270	0.393	51.9
100	0.386	51.7	280	0.386	51.7
110	0.404	52.1	290	0.404	52.1
120	0.449	53.0	300	0.449	53.0
130	0.522	54.4	310	0.522	54.4
140	0.621	55.9	320	0.621	55.9
150	0.732	57.3	330	0.732	57.3
160	0.839	58.5	340	0.839	58.5
170	0.927	59.3	350	0.927	59.3

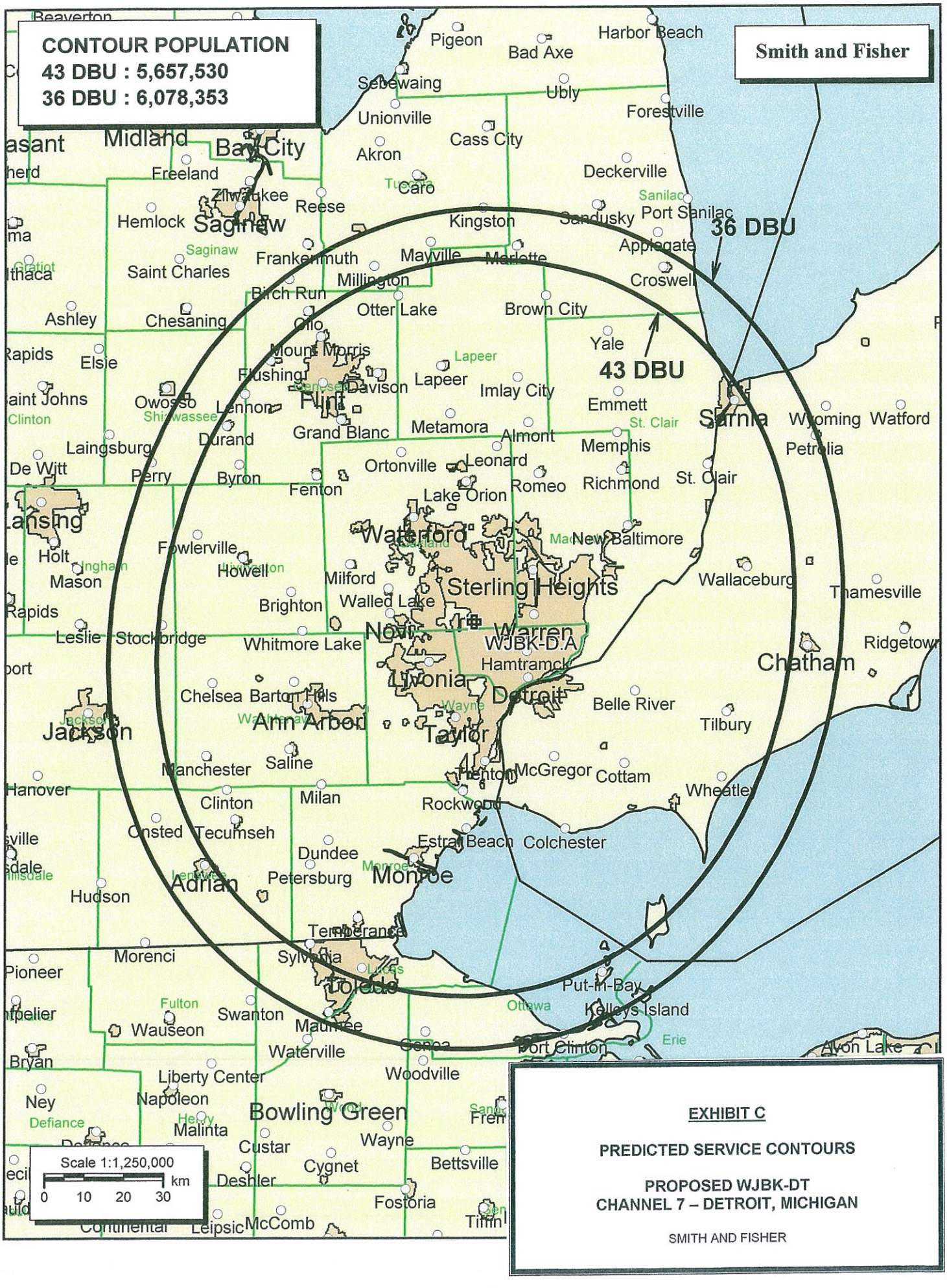

CONTOUR POPULATION
43 DBU : 5,657,530
36 DBU : 6,078,353
Smith and Fisher
36 DBU
43 DBU
Scale 1:1,250,000
0 10 20 30 km
EXHIBIT C
PREDICTED SERVICE CONTOURS
PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN
SMITH AND FISHER

EXHIBIT D

INTERFERENCE STUDY

PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN

The instant application specifies an ERP of 60 kw (directional) at 314 meters above average terrain, which has been determined to be allowable under the FCC's recently approved interference standards with respect to various digital television facilities as they will exist on or before February 17, 2009, the date by which all stations must operate with the parameters recently adopted in the Commission's DTV Table of Allotments.

In evaluating the interference effect of this proposal, the applicant has relied upon the same Longley-Rice interference software used by the Commission in its studies. Based on the results of this analysis, the proposed WJBK-DT facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted WJBK-DT facility) to the service population of any potentially affected post-transition DTV station or Class A LPTV station.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WJBK-DT
CHANNEL 7 – DETROIT, MICHIGAN

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Detroit facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 60 kw (H, V), an antenna radiation center 315 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.00044 mw/cm^2 is calculated to occur 159 meters east-southeast of the base of the tower. Since this is only 0.4 percent of the 0.2 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 7 (174-180 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.