

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, licensee of WDLI-DT, Channel 39 in Canton, Ohio, in support of its Application for Construction Permit to operate an auxiliary facility on this channel while the authorized Channel 49 facility (BPCDT-20090723AFG) is constructed next month.

It is proposed to mount a standard ERI directional antenna at the 244-meter level of the existing 327-meter tower on which the present WDLI-DT antenna is mounted. Exhibit B provides elevation and azimuth pattern data for the proposed antenna. Operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted 41 dBu service contours of the licensed facility and the proposed auxiliary facility are plotted (as well as the city-grade contour of the auxiliary facility). As shown, the city of license is completely contained within the proposed auxiliary 48 dBu service contour. In addition, the proposed auxiliary contour is completely contained within that licensed to WDLI-DT on Channel 39. 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 WDLI-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. The FCC issued Antenna Structure Registration Number 1063363 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.

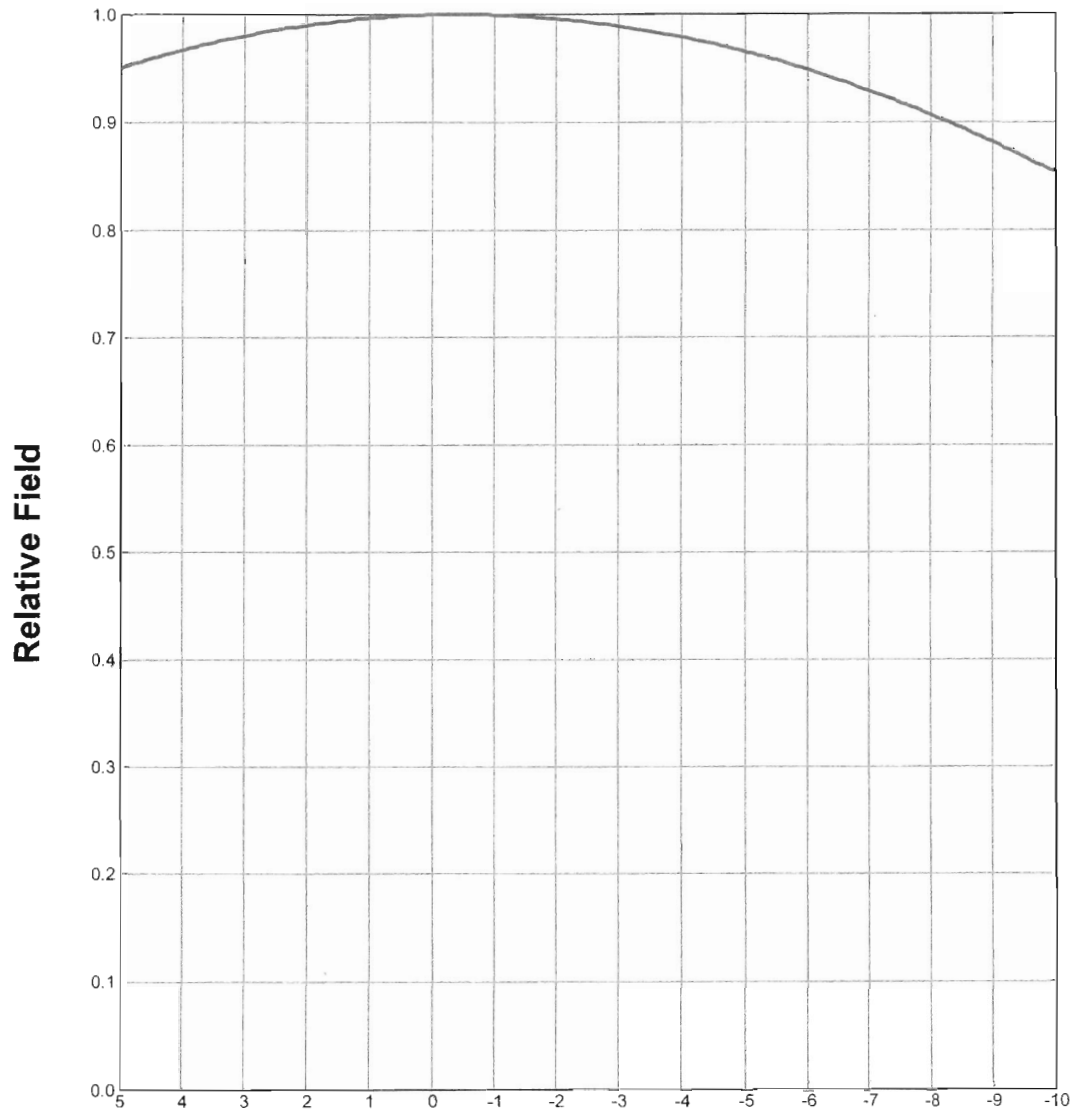


KEVIN T. FISHER

August 11, 2010

ELEVATION PATTERN

Type:	ATW2G1H2H		Channel:	39
Directivity:	Numeric	dBd	Location:	Canton, Ohio
Main Lobe:	2.00	3.01	Beam Tilt:	-0.40
Horizontal:	2.00	3.01	Polarization:	Horizontal



Preliminary, subject to final design and review.

ELECTRONICS RESEARCH, INC. **ERI**

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 – CANTON, OHIO

SMITH AND FISHER

TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT

Type: ATW-GS

Polarization: Horizontal

ANGLE	FIELD	ERP (kW)	ERP (dBk)
0	0.990	37.793	15.774
10	0.998	38.406	15.844
20	0.998	38.406	15.844
30	0.991	37.869	15.783
40	0.976	36.732	15.650
50	0.953	35.021	15.443
60	0.920	32.637	15.137
70	0.876	29.590	14.711
80	0.821	25.991	14.148
90	0.754	21.922	13.409
100	0.676	17.621	12.460
110	0.591	13.468	11.293
120	0.507	9.912	9.962
130	0.436	7.330	8.651
140	0.391	5.895	7.705
150	0.381	5.597	7.480
160	0.403	6.263	7.967
170	0.438	7.398	8.691
180	0.471	8.554	9.322
190	0.491	9.296	9.683
200	0.491	9.296	9.683
210	0.471	8.554	9.322
220	0.438	7.398	8.691
230	0.402	6.231	7.946
240	0.382	5.627	7.503
250	0.391	5.895	7.705
260	0.436	7.330	8.651
270	0.507	9.912	9.962
280	0.591	13.468	11.293
290	0.676	17.621	12.460
300	0.753	21.864	13.397
310	0.820	25.928	14.138
320	0.876	29.590	14.711
330	0.920	32.637	15.137
340	0.953	35.021	15.443
350	0.976	36.732	15.650

Preliminary, subject to final design and review.

ELECTRONICS RESEARCH, INC. **ERI**

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

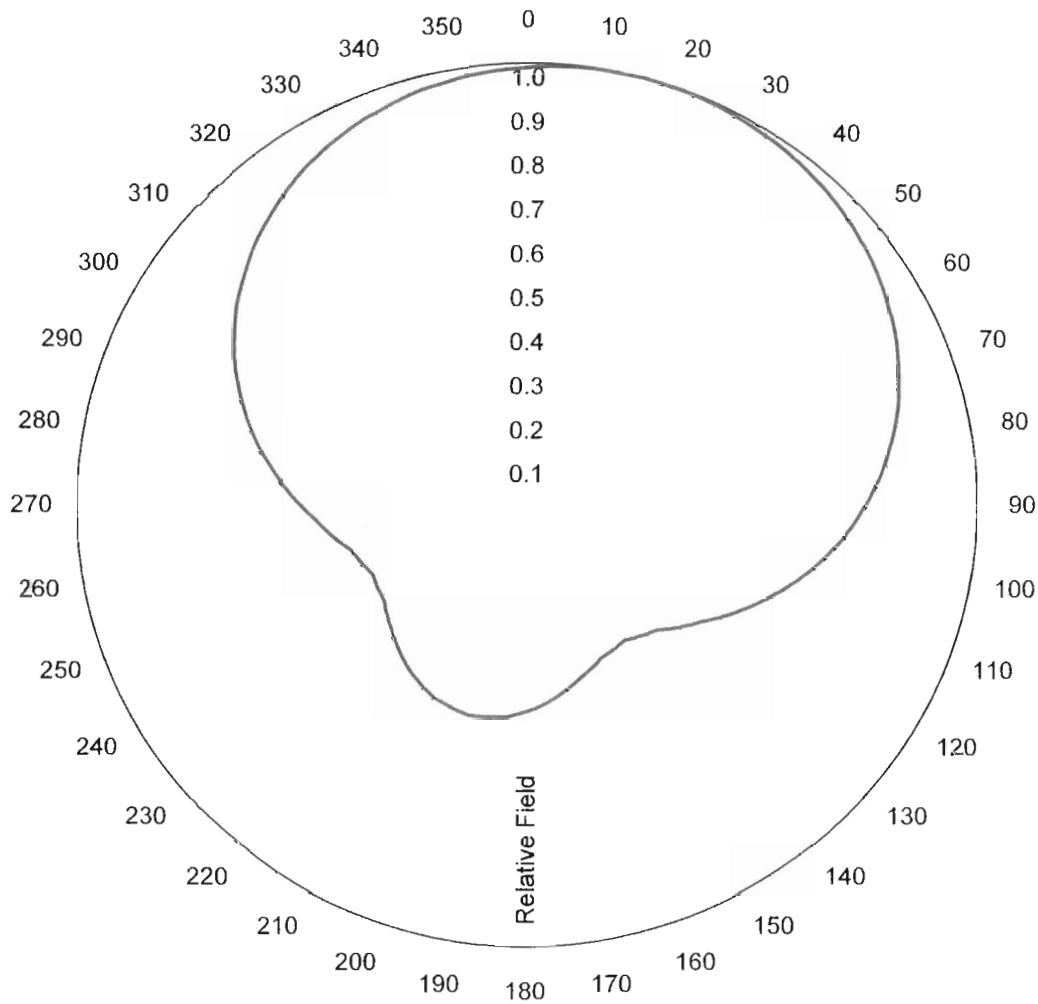
**PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 – CANTON, OHIO**

SMITH AND FISHER

AZIMUTH PATTERN

Type: ATW-GS
Directivity: Numeric 2.00 dBd 3.01
Peak(s) at: _____

Channel: 39
Location: Canton, Ohio
Polarization: Horizontal
Note: Pattern shape and directivity may vary with
channel and routing configuration.



Preliminary, subject to final design and review.

ELECTRONICS RESEARCH, INC. **ERI**

EXHIBIT B-3**ANTENNA RELATIVE FIELD VALUES**

**PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 – CANTON, OHIO**

SMITH AND FISHER

PROPOSED OPERATING PARAMETERS

PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 – CANTON, OHIO

Transmitter Power Output:	12.2 kw
Transmission Line Efficiency:	79.0%
Antenna Power Gain – Main Lobe:	4.00
Effective Radiated Power – Main Lobe:	38.6 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	ERI MACX675B
Size and Type:	6-1/8" rigid
Length:	900 feet
Antenna:	
Make and Model:	ERI ATW2G1H2-HSGS-39H
Orientation	15 degrees true
Beam Tilt	0.4 degrees
Radiation Center Above Ground:	244 meters
Radiation Center Above Mean Sea Level:	541 meters

SMITHANDFISHER

LICENSED 41 DBU

**AUXILIARY
41 DBU**

**AUX.
48 DBU**

EXHIBIT D

PREDICTED SERVICE CONTOURS

**PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 - CANTON, OHIO**

SMITH AND FISHER

Scale 1:1,000,000



EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WDLI-DT AUXILIARY
CHANNEL 39 – CANTON, OHIO

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Canton facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 38.6 kw, an antenna radiation center 244 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.0022 mw/cm^2 is calculated to occur 179 meters north of the base of the tower. Since this is only 0.5 percent of the 0.41 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 39 (620-626 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.