

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of PAPPAS TELECASTING OF OPELIKA, L. P. (A DELAWARE LIMITED PARTNERSHIP), permittee of WLGA-DT in Opelika, Alabama, in support of its Application for Construction Permit to operate with a maximized post-transition DTV facility on Channel 47, its allotment channel.

It is proposed to mount a standard ERI directional antenna at the 530-meter level of the existing 538-meter tower on which the present analog WLGA antenna is mounted. Exhibit B provides azimuth and elevation pattern data for the proposed antenna. Proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 48 dBu service contour. An interference study is included in Exhibit E, and it is important to note that the study utilized a cell size of 0.5 kilometer and an increment spacing of 0.1 kilometer. A power density calculation is provided in Exhibit F.

It is important to note that, while the proposed effective radiated power of 750 kw exceeds that allowable in Section 73.622(f)(8)(i) of the Commission's Rules, the coverage of the facility proposed herein does not exceed that of the largest station in the market (WRBL-DT, Channel 15 in Columbus, Georgia), as allowed in Section 73.622(f)(5) of the Rules. The area within the allotted WRBL-DT noise-limited service contour is 42,956 square kilometers, while the area within that of proposed WLGA-DT is only 36,607 square kilometers.

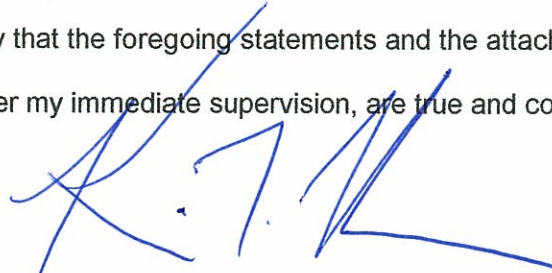
It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the WLGA-DT site.

EXHIBIT A

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 1243417 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

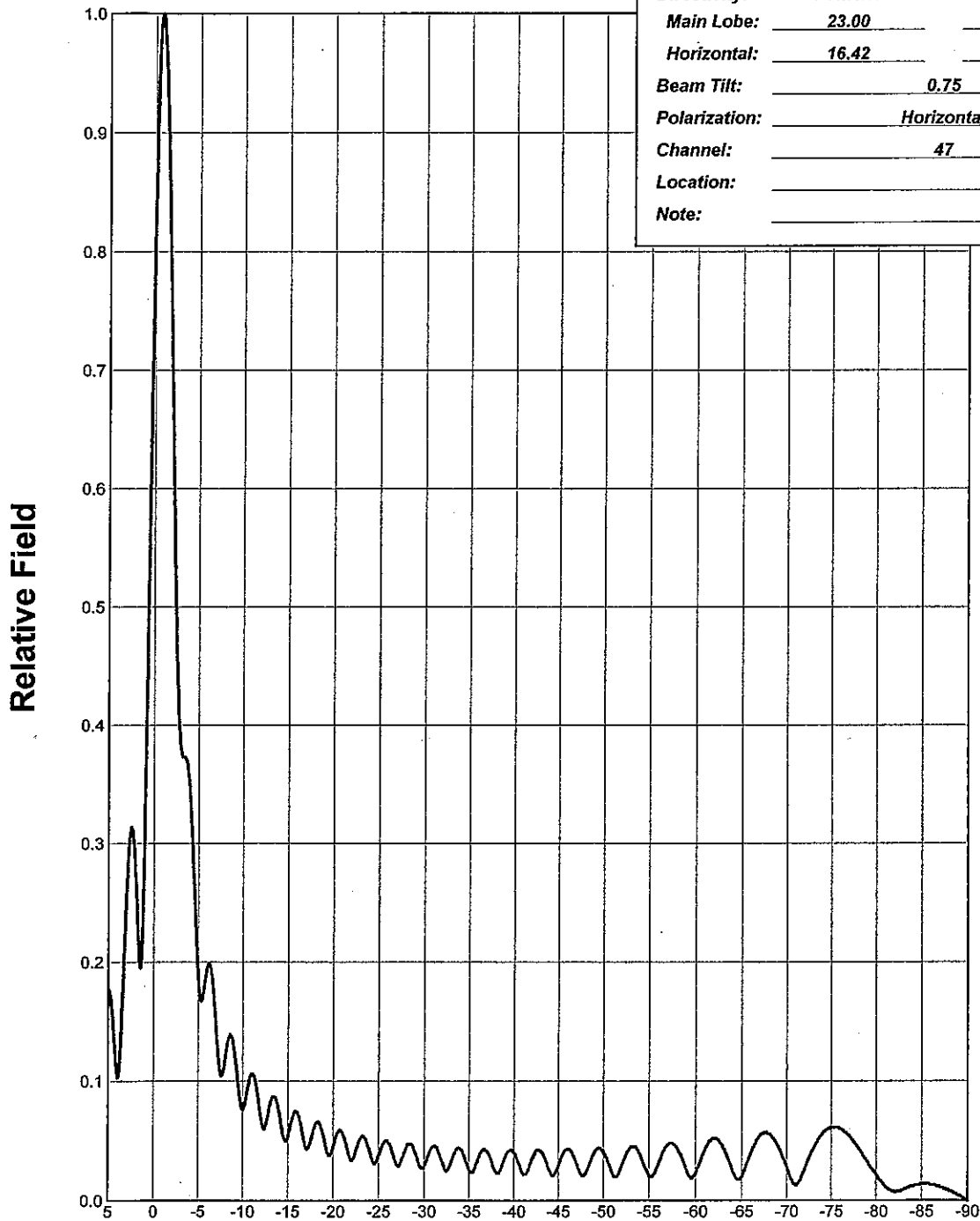
August 28, 2008



ELEVATION PATTERN

Type: ATW23H3H

Directivity:	Numeric	dBd
Main Lobe:	<u>23.00</u>	<u>13.62</u>
Horizontal:	<u>16.42</u>	<u>12.15</u>
Beam Tilt:	<u>0.75</u>	
Polarization:	<u>Horizontal</u>	
Channel:	<u>47</u>	
Location:		
Note:		



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

EXHIBIT B-1

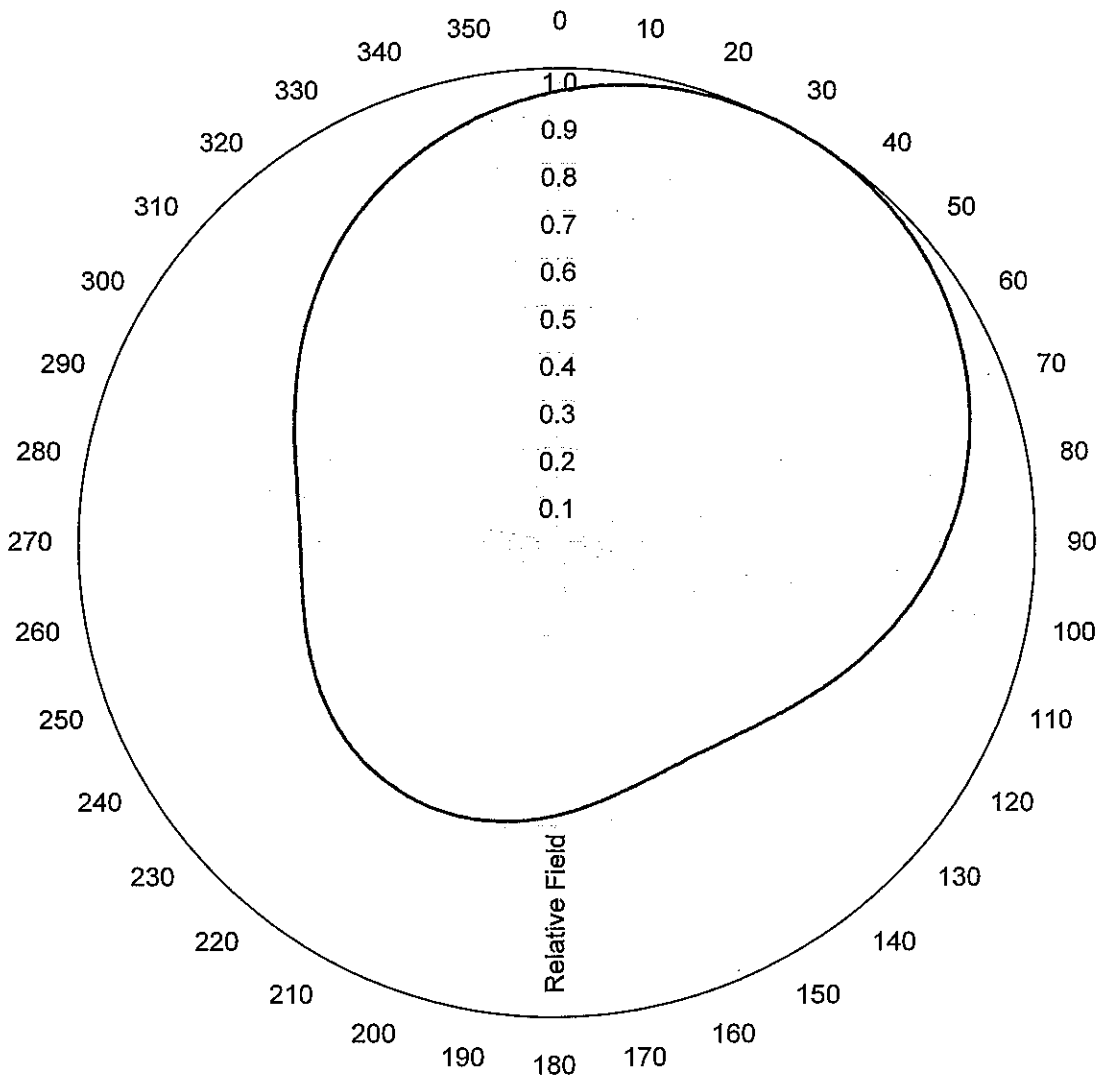
ANTENNA ELEVATION PATTERN
PROPOSED WLGA-DT
CHANNEL 47 - OPELIKA, ALABAMA
SMITH AND FISHER



AZIMUTH PATTERN

Type: ATW-S

	Numeric	dBd
Directivity:	<u>1.83</u>	<u>2.62</u>
Peak(s) at:		
Polarization:	<u>Horizontal</u>	
Channel:	<u>47</u>	
Location:		
Note:		



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EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED WLGA-DT
CHANNEL 47 - OPELIKA, ALABAMA

SMITH AND FISHER



**AZIMUTH PATTERN
FCC FILING FORMAT**

Type: ATW-S

Polarization: Horizontal

Angle	Field	ERP (kW)	ERP (dBk)
0	0.952	679.727	28.323
10	0.979	718.830	28.566
20	0.995	742.518	28.707
30	1.000	749.999	28.751
40	0.995	742.518	28.707
50	0.979	718.830	28.566
60	0.952	679.727	28.323
70	0.915	627.918	27.979
80	0.868	565.067	27.521
90	0.813	495.726	26.952
100	0.753	425.256	26.287
110	0.691	358.110	25.540
120	0.632	299.568	24.765
130	0.583	254.916	24.064
140	0.550	226.875	23.558
150	0.536	215.472	23.334
160	0.539	217.890	23.382
170	0.556	231.852	23.652
180	0.578	250.563	23.989
190	0.599	269.100	24.299
200	0.614	282.747	24.514
210	0.619	287.370	24.584
220	0.614	282.747	24.514
230	0.599	269.100	24.299
240	0.578	250.563	23.989
250	0.556	231.852	23.652
260	0.539	217.890	23.382
270	0.536	215.472	23.334
280	0.550	226.875	23.558
290	0.583	254.916	24.064
300	0.632	299.568	24.765
310	0.691	358.110	25.540
320	0.753	425.256	26.287
330	0.813	495.726	26.952
340	0.868	565.067	27.521
350	0.915	627.918	27.979



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EXHIBIT B-3

ANTENNA RELATIVE FIELD VALUES

**PROPOSED WLGA-DT
CHANNEL 47 – OPELIKA, ALABAMA**

SMITH AND FISHER

EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED WLGA-DT
CHANNEL 47 – OPELIKA, ALABAMA

Transmitter Power Output:	28.9 kw
Transmission Line Efficiency:	61.7%
Antenna Power Gain – Main Lobe:	42.09
Effective Radiated Power – Main Lobe:	750 kw

Transmitter Make and Model:	Type-accepted
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Transmission Line Make and Model:	Andrew MACX675B
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Size and Type:	6-1/8" rigid
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Length:	1,775 feet*
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Antenna:

Make and Model:	ERI ATW23H3-HTS-47H
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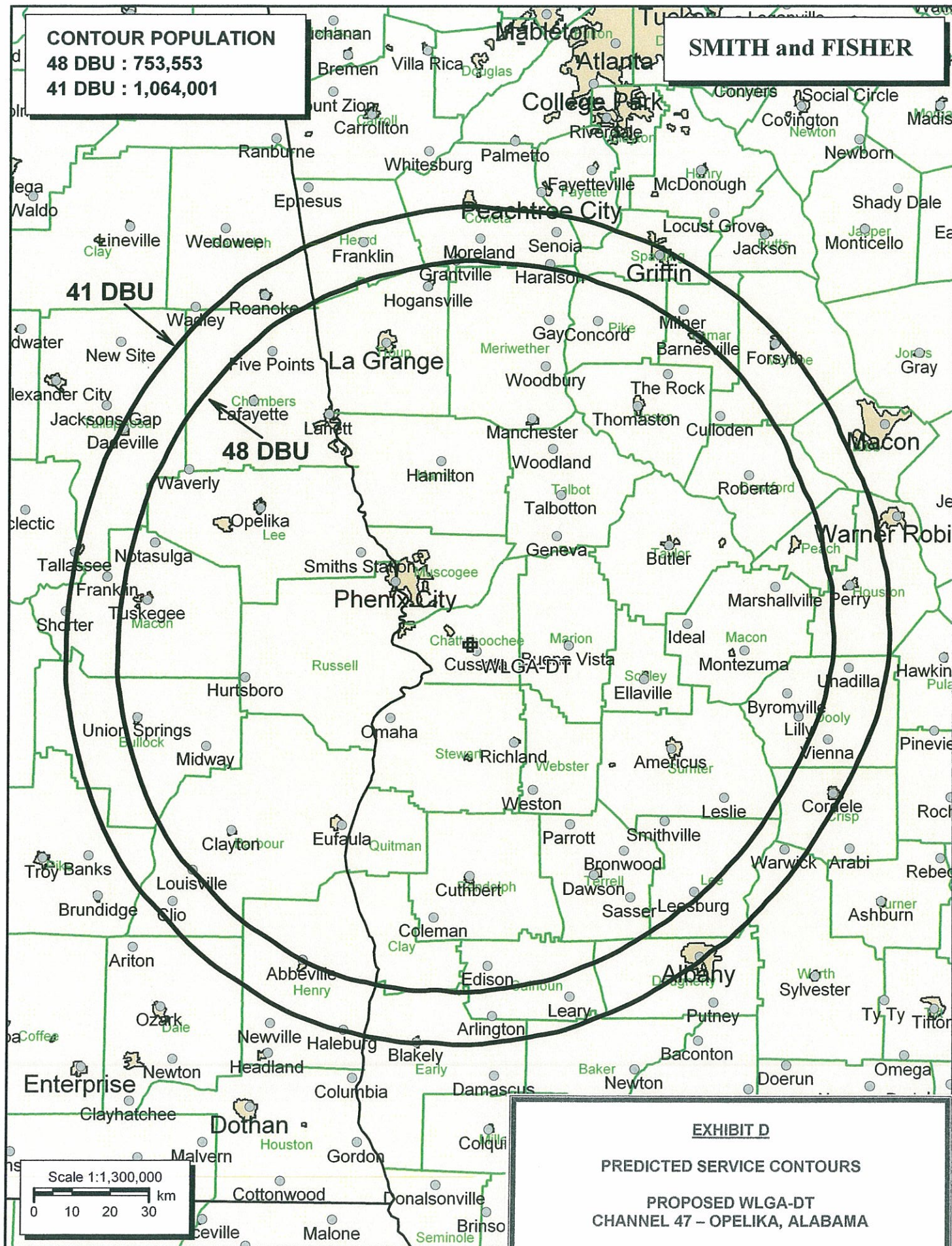
Orientation	30 degrees true
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Beam Tilt	0.75 degrees
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Radiation Center Above Ground:	530 meters
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Radiation Center Above Mean Sea Level:	677 meters
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*estimated



INTERFERENCE STUDY
PROPOSED WLGA-DT
CHANNEL 47 – OPELIKA, ALABAMA

The instant application specifies an ERP of 750 kw (directional) at 556 meters above average terrain, which we have determined to be allowable under the FCC's recently approved interference standards with respect to various post-transition 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, we have relied upon the V-Soft Communications "Probe III" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a cell size of 0.5 kilometer and an increment spacing of 0.1 kilometer along each radial. In addition, we utilized the 2000 U.S. Census. Changes in interference caused by proposed WLGA-DT to other pertinent stations are tabulated in Exhibit E-2.

As shown, the proposed WLGA-DT facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted WLGA-DT facility) to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed WLGA-DT facility does not cause significant (0.5%) interference within the protected service contour of any potentially affected Class A low power television station.

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

EXHIBIT E-2

INTERFERENCE STUDY SUMMARY

PROPOSED WLGA-DT
CHANNEL 47 – OPELIKA, ALABAMA

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WLGA-DT*</u>	<u>%</u>
WMCF-DT BPCDT-20080616ADZ	Montgomery, AL	46	715,998	2,954	0.41
WCTV-DT Allotment	Thomasville, GA	46	974,642	0	0
WRJM-DT Allotment	Troy, AL	48	487,779	294	<0.1

*Above that caused by the allotment facility.

Note: This study utilized a cell size of 0.5 km and an increment of 0.1 km.

EXHIBIT F

POWER DENSITY CALCULATION

PROPOSED WLGA-DT
CHANNEL 47 – OPELIKA, ALABAMA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Opelika facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 750 kw, an antenna radiation center 530 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.00031 mw/cm^2 is calculated to occur 141 meters north-northeast of the base of the tower. Since this is less than 0.1 percent of the 0.45 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 47 (668-674 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.