

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WCNC-TV, INC., licensee of WCNC-DT, Channel 22 in Charlotte, North Carolina, in support of its Application for Construction Permit to operate with a maximized post-transition DTV facility.

It is proposed to mount a standard Dielectric directional antenna at the 592-meter level of the existing 600-meter tower on which the present WCNC-DT antenna is mounted. Exhibit B provides elevation and azimuth patterns 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 48 dBu service contour. An interference study is included in Exhibit D, and it is important to note that the study utilized a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer. A power density calculation is provided in Exhibit E.

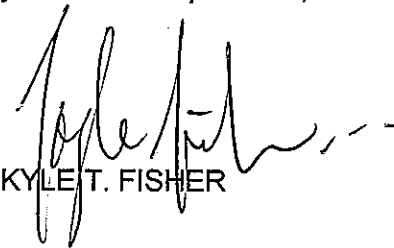
It is important to note that, while the proposed effective radiated power of 1000 kw exceeds that allowable in Section 73.622(f)(8)(i) of the Commission's Rules, the coverage of the facility proposed herein does not exceed that of the largest station in the market (WJZY-DT, Channel 47 in Belmont, North Carolina), as allowed in Section 73.622(f)(5) of the Rules.

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 WCNC-DT site. However, if such should occur, the owner of this station recognizes its obligation to take whatever corrective actions are necessary.

EXHIBIT A

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 has issued Antenna Structure Registration Number 1001294 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.


KYLE T. FISHER

June 11, 2008

Date
Call Letters
Location
Customer
Antenna Type

09 Jun 2008

Channel 22

TFU-18GTH-R C170

ELEVATION PATTERN

RMS Gain at Main Lobe

15.5 (11.90 dB)

Beam Tilt

1.00 Degrees

RMS Gain at Horizontal

12.7 (11.04 dB)

Frequency

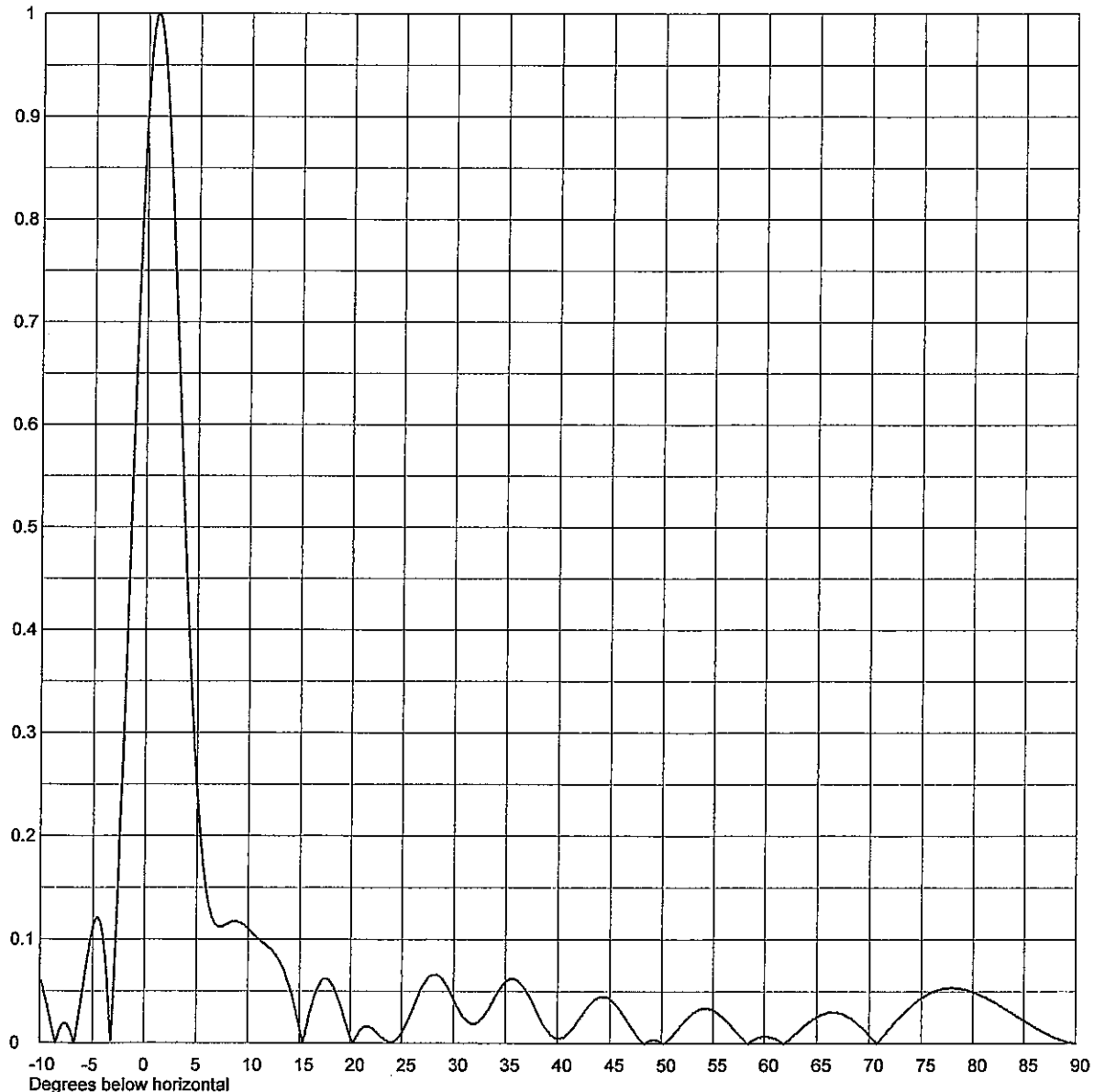
521.00 MHz

Calculated / Measured

Calculated

Drawing #

18G155100-90



Remarks:

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WCNC-DT
CHANNEL 22 – CHARLOTTE, NORTH CAROLINA

SMITH AND FISHER

Date

09 Jun 2008

Call Letters

Channel 22

Location

Customer

Antenna Type TFU-18GTH-R C170

AZIMUTH PATTERN

Gain

1.70 (2.30 dB)

Frequency

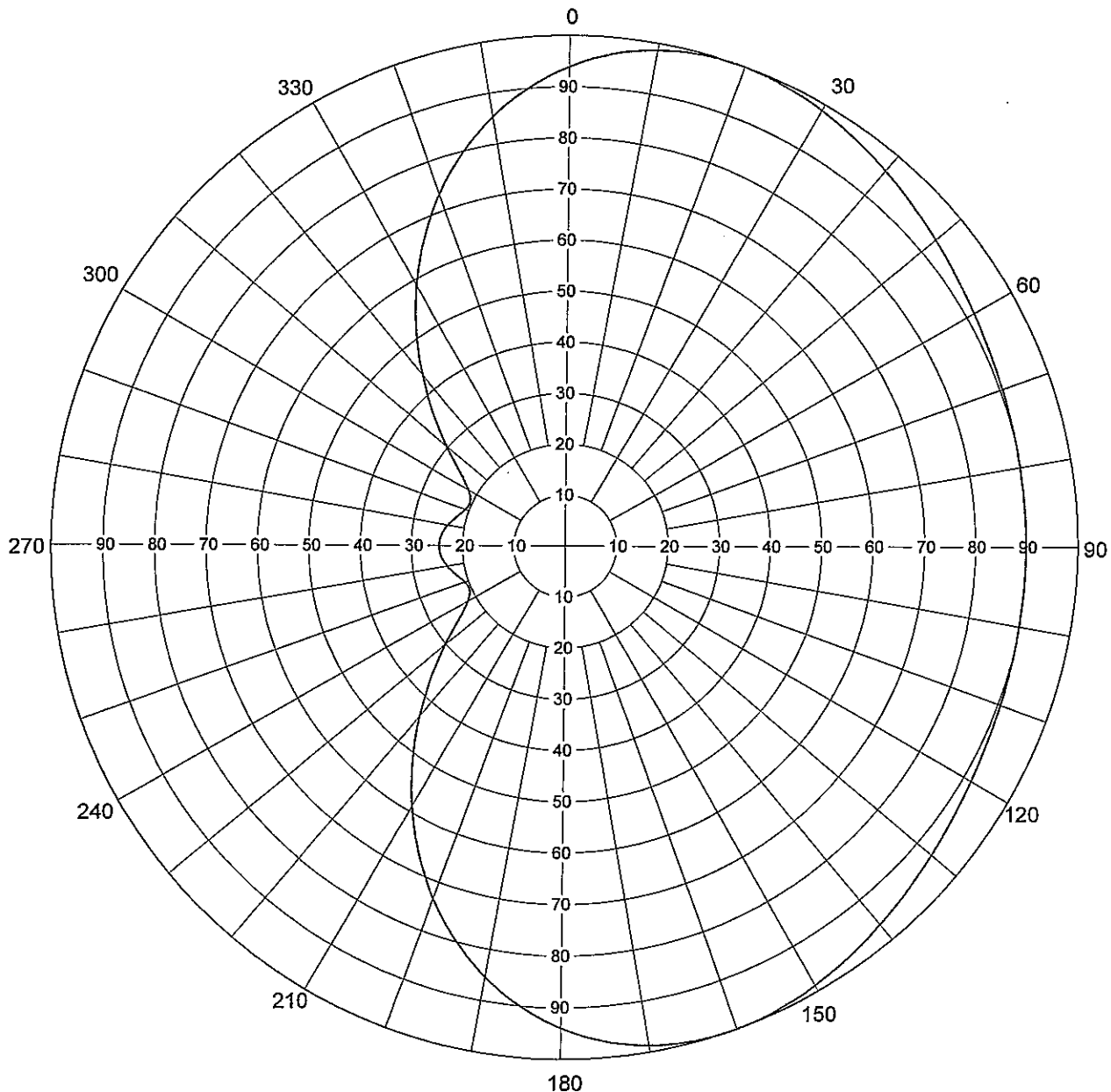
521 MHz

Calculated / Measured

Calculated

Drawing #

TFU-C170



Remarks:

EXHIBIT B-2**ANTENNA AZIMUTH PATTERN****PROPOSED WCNC-DT
CHANNEL 22 - CHARLOTTE, NORTH CAROLINA**

SMITH AND FISHER

ANTENNA AZIMUTH PATTERN DATA

PROPOSED WCNC-DT
CHANNEL 22 – CHARLOTTE, NORTH CAROLINA

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.940	999.5	180	0.940	999.5
10	0.987	999.9	190	0.854	998.6
20	1.000	1000.0	200	0.733	997.3
30	0.988	999.9	210	0.588	995.4
40	0.963	999.7	220	0.437	992.8
50	0.936	999.4	230	0.302	989.6
60	0.917	999.2	240	0.218	986.8
70	0.905	999.1	250	0.207	986.3
80	0.900	999.1	260	0.232	987.3
90	0.899	999.1	270	0.245	987.8
100	0.900	999.1	280	0.232	987.3
110	0.905	999.1	290	0.207	986.3
120	0.917	999.2	300	0.218	986.8
130	0.936	999.4	310	0.302	989.6
140	0.963	999.7	320	0.437	992.8
150	0.988	999.9	330	0.588	995.4
160	1.000	1000.0	340	0.733	997.3
170	0.987	999.9	350	0.854	998.6

CONTOUR POPULATION

48 DBU : 2,672,950

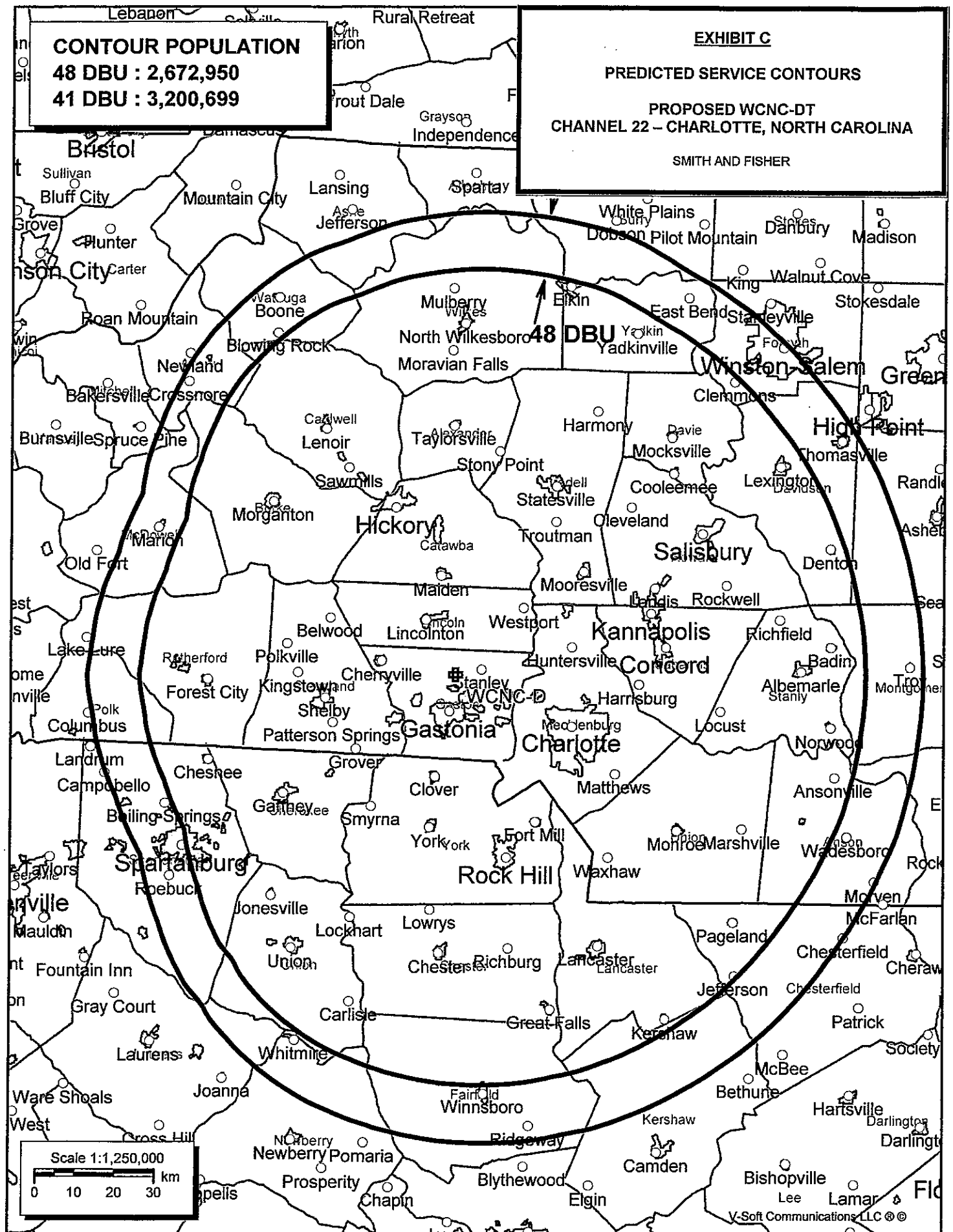
41 DBU : 3,200,699

EXHIBIT C

PREDICTED SERVICE CONTOURS

**PROPOSED WCNC-DT
CHANNEL 22 - CHARLOTTE, NORTH CAROLINA**

SMITH AND FISHER



INTERFERENCE STUDY
PROPOSED WCNC-DT
CHANNEL 22 – CHARLOTTE, NORTH CAROLINA

The instant application specifies an ERP of 1000 kw (directional) at 595 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 2.0 kilometers and an increment spacing of 1.0 kilometer along each radial. In addition, we utilized the 2000 U.S. Census. Changes in interference caused by proposed WCNC-DT to other pertinent stations are tabulated in Exhibit D-2.

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

A Longley-Rice interference study also reveals that the proposed WCNC-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 D-2

INTERFERENCE STUDY SUMMARY
PROPOSED WCNC-DT
CHANNEL 22 – CHARLOTTE, NORTH CAROLINA

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WCNC-DT*</u>	<u>%</u>
WXL-DT BPCDT-20080515ACT	Savannah, GA	22	676,483	54	<0.1
WBTV-DT BLCDT-19991025AEB	Charlotte, NC	23	3,584,514	190	<0.1
WHNS-DT BPCDT-20080225ABE	Greenville, SC	21	1,844,104	4,649	0.3
WBTV-DT Allot.	Charlotte, NC	23	3,584,514	190	<0.1
WHNS-DT Allot.	Greenville, SC	21	1,797,214	4,885	0.3

*Above that caused by the allotment facility.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WCNC-DT
CHANNEL 22 – CHARLOTTE, NORTH CAROLINA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Charlotte 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 592 meters above ground, and the elevation pattern of the Dielectric directional antenna, maximum power density two meters above ground of 0.00027 mw/cm^2 is calculated to occur 125 meters from the base of the tower. Since this is only 0.1 percent of the 0.35 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 22 (518-524 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.