

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of SKY TELEVISION, L.L.C., licensee of digital television station WSKY-DT in Manteo, North Carolina, in support of its request to operate on Channel 4.

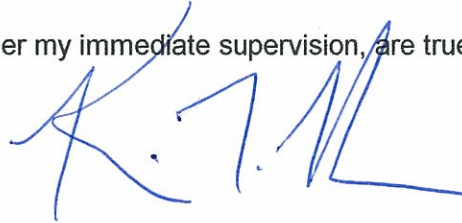
It is proposed to utilize the existing Dielectric directional antenna, which is mounted at the 274-meter level of an existing 316-meter tower. Exhibit B provides elevation and azimuth pattern data for the proposed antenna. Proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 35 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 2.0 kilometers and an increment spacing of 1.0 kilometers. A power density calculation is provided in Exhibit F.

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 WSKY-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 assigned Antenna Structure Registration Number 1252202 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.

A handwritten signature in blue ink, appearing to read 'K. T. Fisher', with a stylized, overlapping structure.

KEVIN T. FISHER

February 4, 2010

Dielectric

Proposal Number
Date 28 Sep 2000
Call Letters WSKY
Location Manteo, NC
Customer
Antenna Type THB-C2-4/8-1

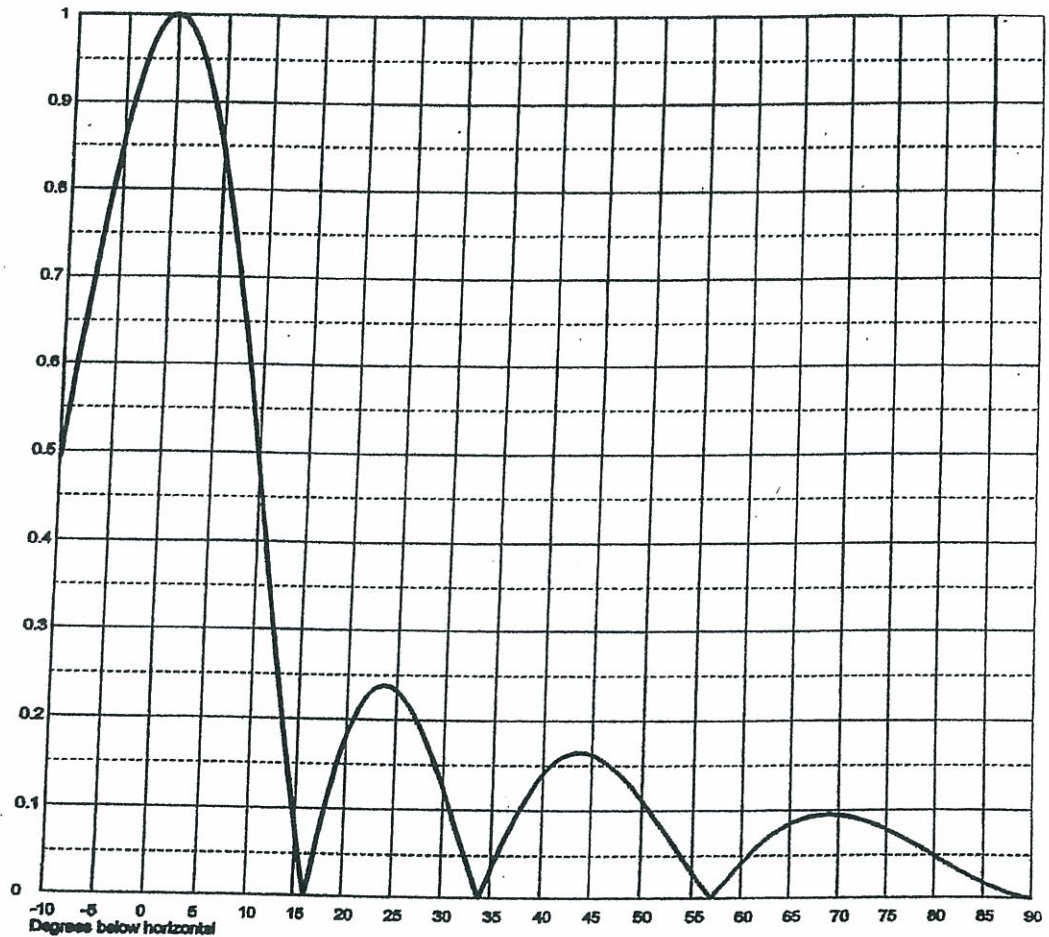
Revision
Channel 4

ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

4.0 (6.02 dB)
4.0 (6.02 dB)
Calculated

Beam Tilt 0.00 Degrees
Frequency 69.00 MHz
Drawing # 04H040000-00



Remarks:

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WSKY-DT
CHANNEL 4 – MANTEO, NORTH CAROLINA

SMITH AND FISHER

Dielectric

Proposal Number
Date 28 Sep 2000
Call Letters WSKY
Location Manteo, NC
Customer
Antenna Type THB-C2-4/8-1

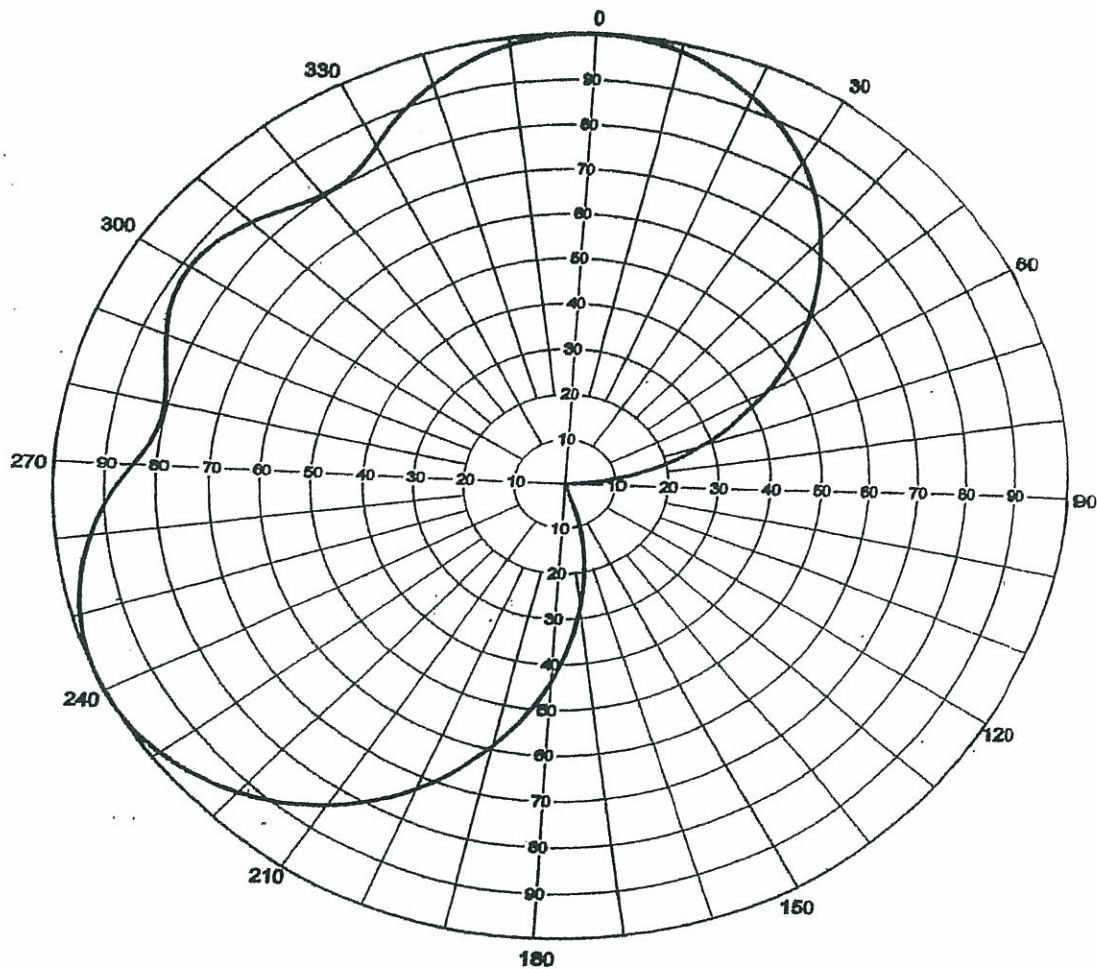
Revision
Channel 4

RMS Gain at Main Lobe
Calculated / Measured

AZIMUTH PATTERN

2.00 (3.01 dB)
Calculated

Frequency 69 MHz
Drawing # THB-C2



Note: Antenna will be mounted such that 0° on graph is oriented at 135°T.

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED WSKY-DT
CHANNEL 4 - MANTEO, NORTH CAROLINA

SMITH AND FISHER

ANTENNA AZIMUTH PATTERN DATA
PROPOSED WSKY-DT
CHANNEL 4 – MANTEO, NORTH CAROLINA

<u>Azimuth (° T)</u>	<u>Relative Field</u>	<u>ERP (dbk)</u>	<u>Azimuth (° T)</u>	<u>Relative Field</u>	<u>ERP (dbk)</u>
0	0.960	10.6	180	0.664	7.2
10	0.996	10.8	190	0.519	5.1
20	0.996	10.8	200	0.362	2.0
30	0.960	10.6	210	0.203	-3.1
40	0.890	9.8	220	0.056	-14.2
50	0.810	9.0	230	0.001	-49.2
60	0.823	9.1	240	0.001	-49.2
70	0.874	9.6	250	0.001	-49.2
80	0.874	9.6	260	0.001	-49.2
90	0.823	9.1	270	0.001	-49.2
100	0.810	9.0	280	0.001	-49.2
110	0.890	9.8	290	0.056	-14.2
120	0.960	10.6	300	0.203	-3.1
130	0.996	10.8	310	0.362	2.0
140	0.996	10.8	320	0.519	5.1
150	0.960	10.6	330	0.664	7.2
160	0.890	9.8	340	0.790	8.8
170	0.790	8.8	350	0.890	9.8

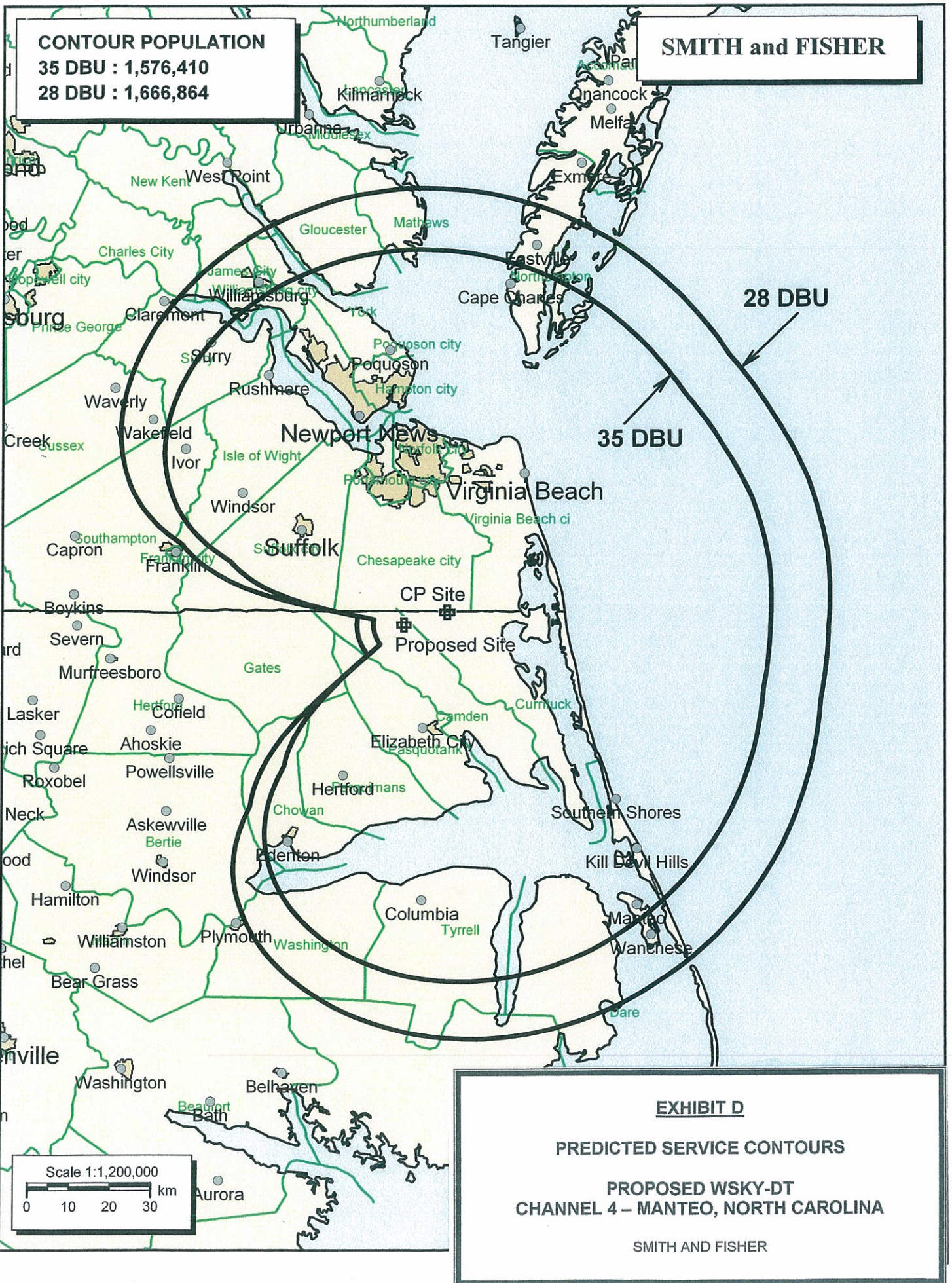
PROPOSED OPERATING PARAMETERS

PROPOSED WSKY-DT
CHANNEL 4 – MANTEO, NORTH CAROLINA

Transmitter Power Output:	2.3 kw
Transmission Line Efficiency:	78.2 %
Antenna Power Gain – Main Lobe:	6.6
Effective Radiated Power – Main Lobe:	12.0 kw
Transmitter Make and Model:	Type-accepted
Rated Output	3 kw
Transmission Line Make and Model:	Andrew HJ8-50B
Size and Type:	3" air heliax
Length:	925 feet*
Antenna Make and Model:	Dielectric THB-C2-4/8-1
Orientation	75° T**
Beam Tilt	0 degrees
Radiation Center Above Ground:	274 meters
Radiation Center Above Mean Sea Level:	278 meters

*assumed

**line of symmetry



INTERFERENCE STUDY
PROPOSED WSKY-DT
CHANNEL 4 – MANTEO, NORTH CAROLINA

The instant application specifies an ERP of 12.0 kw (directional) at 274 meters above average terrain, which we have determined to be allowable under the FCC's interference standards with respect to various post-transition digital television facilities.

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 WSKY-DT to other pertinent stations are tabulated in Exhibit E-2.

As shown, the proposed WSKY-DT facility would not contribute any interference to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed WSKY-DT facility does not cause any 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 WSKY-DT
CHANNEL 4 – MANTEO, NORTH CAROLINA

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WSKY-DT</u>	<u>%</u>
[NO STATIONS AFFECTED]					

EXHIBIT F

POWER DENSITY CALCULATION
PROPOSED WSKY-DT
CHANNEL 4 – MANTEO, 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 Manteo facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 12 kw, an antenna radiation center 274 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of 0.000071 mw/cm^2 is calculated to occur 282 meters north-northeast and southeast of the base of the tower. Since this is significantly less than 0.1 percent of the 0.2 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 4 (66-72 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.