

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of JACKSONVILLE EDUCATORS BROADCASTING, INC., licensee of noncommercial television station WTCE-DT, Channel 38 in Fort Pierce, Florida, in support of its Application for Construction Permit to operate with a maximized post-transition DTV facility. No change in site location or antenna pattern is proposed herein.

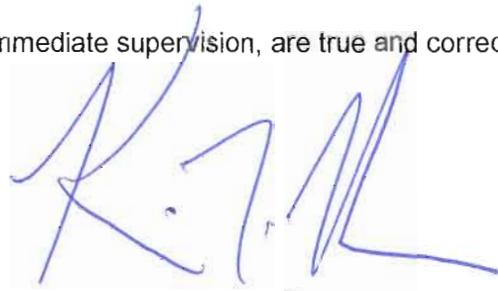
Exhibit B provides directional antenna pattern data, and proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 48 dBu service contour. An interference study is included as Exhibit E and 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 new WTCE-DT site. However, if such should occur, the owner of WTCE-DT recognizes its obligation to take whatever corrective actions are necessary.

Since no change in the 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 1018573 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

June 7, 2008

ANTENNA RADIATION VALUES
 PROPOSED WTCE-DT
 CHANNEL 38 - FORT PIERCE, FLORIDA

<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)	<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)
0	0.97	29.7	180	0.97	29.7
10	0.88	28.9	190	0.88	28.9
20	0.76	27.6	200	0.76	27.6
30	0.62	25.8	210	0.62	25.8
40	0.49	23.8	220	0.49	23.8
50	0.40	22.0	230	0.40	22.0
60	0.37	21.4	240	0.37	21.4
70	0.37	21.4	250	0.37	21.4
80	0.37	21.4	260	0.37	21.4
90	0.37	21.4	270	0.37	21.4
100	0.37	21.4	280	0.37	21.4
110	0.40	22.0	290	0.40	22.0
120	0.49	23.8	300	0.49	23.8
130	0.62	25.8	310	0.62	25.8
140	0.76	27.6	320	0.76	27.6
150	0.88	28.9	330	0.88	28.9
160	0.97	29.7	340	0.97	29.7
170	1.00	30.0	350	1.00	30.0

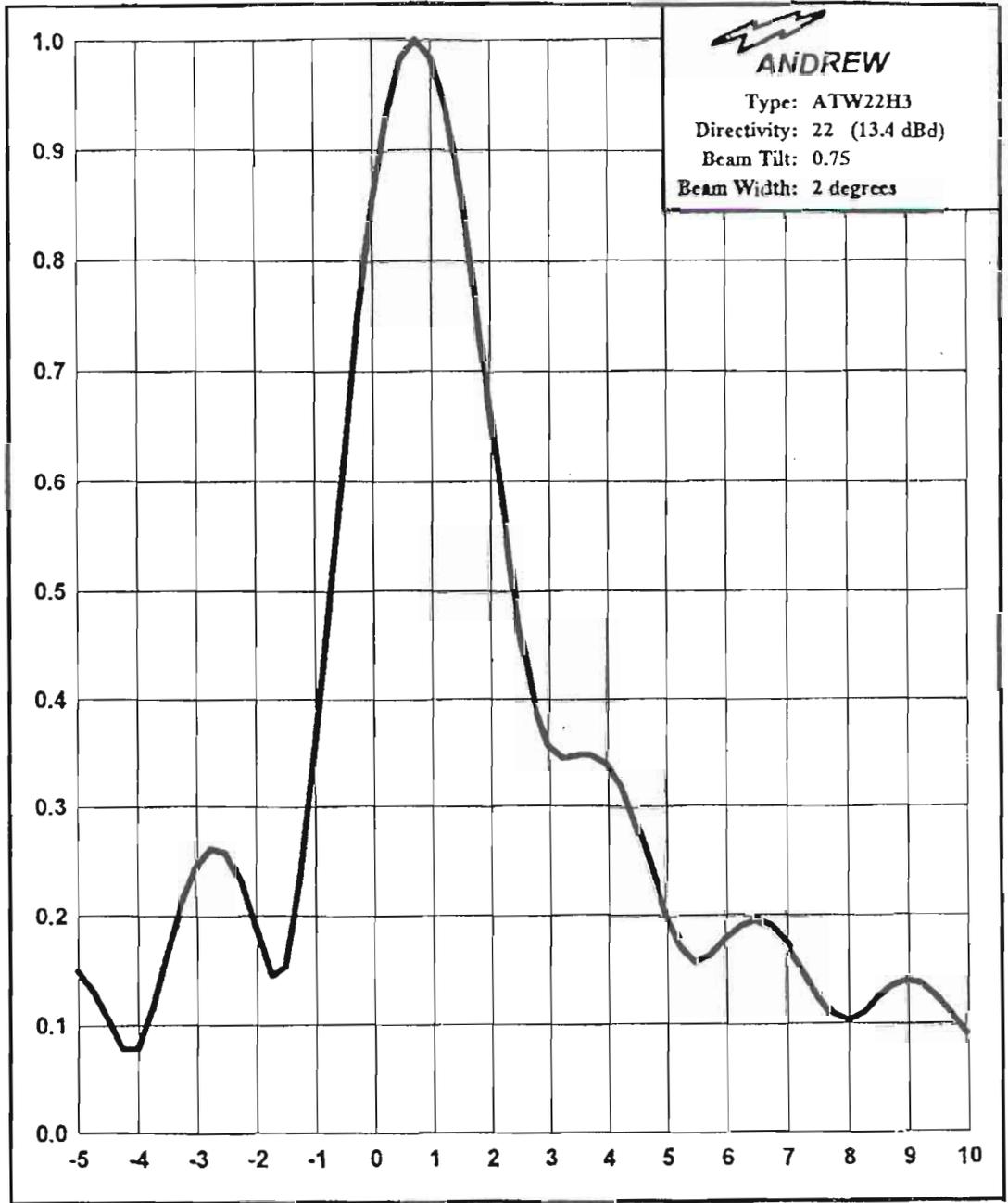
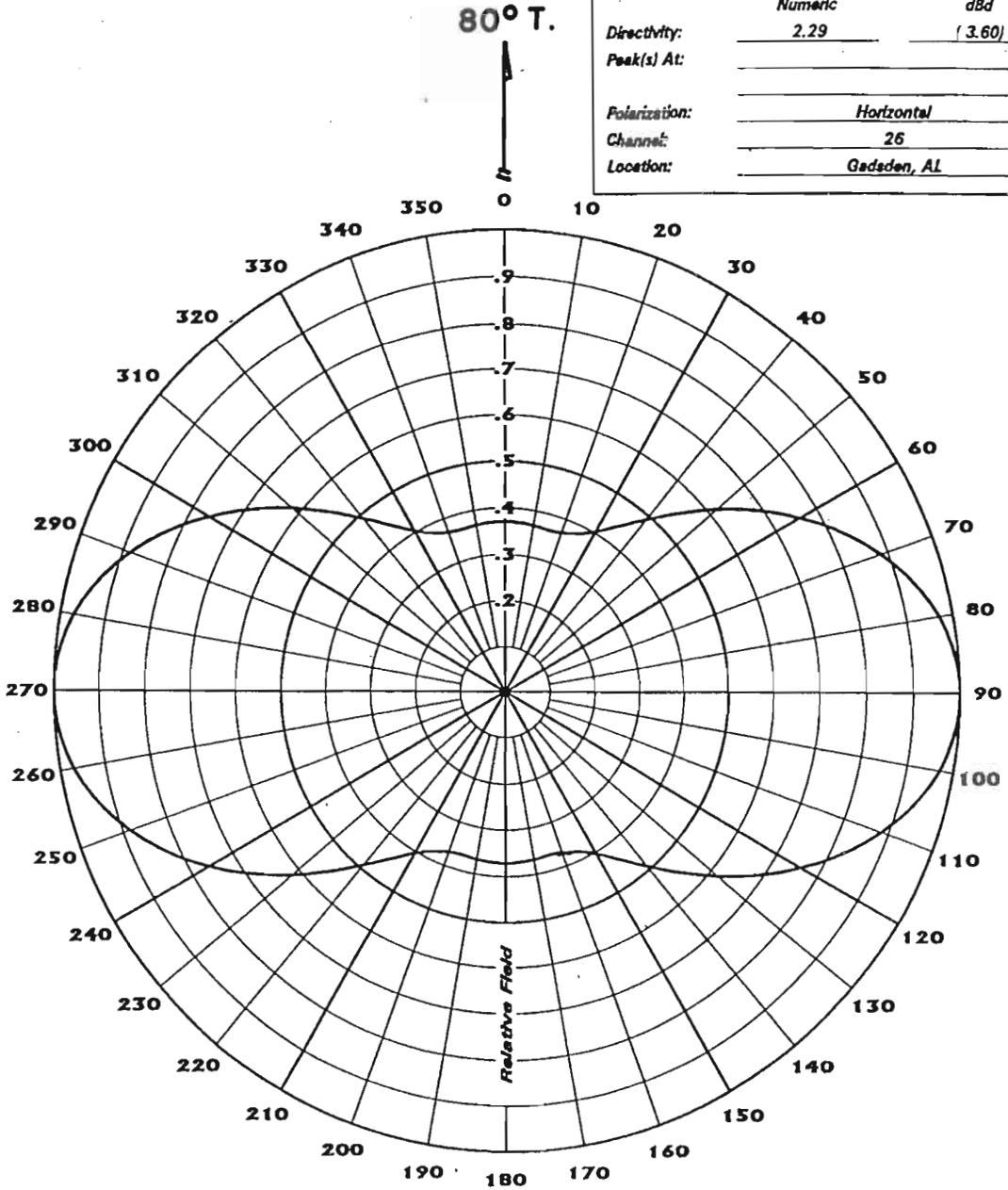


EXHIBIT B-1
ANTENNA ELEVATION PATTERN
PROPOSED WTCE-DT
CHANNEL 38 -- FORT PIERCE, FLORIDA.
SMITH AND FISHER

ANDREW
AZIMUTH PATTERN

Type:	CH26AZ-H-BID-PEANUT	
Directivity:	Numeric	dBd
	2.29	(3.60)
Peak(s) At:		
Polarization:	Horizontal	
Channel:	26	
Location:	Gadsden, AL	



**NOTE: ANTENNA WILL BE MOUNTED SUCH THAT
0° ON GRAPH WILL BE ORIENTED AT 80° T.**

EXHIBIT B-2

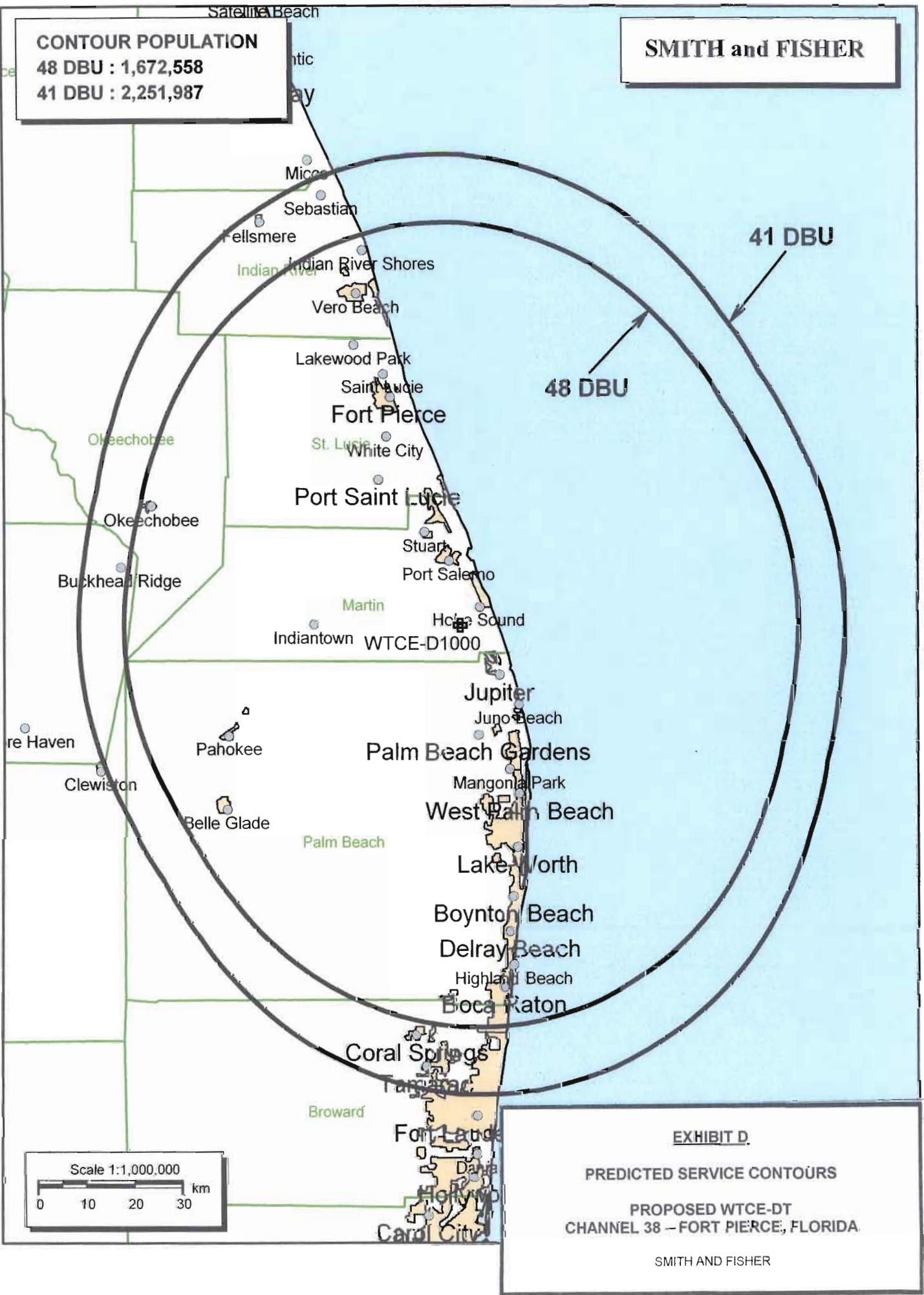
ANTENNA RELATIVE FIELD VALUES
PROPOSED WTCE-DT
CHANNEL 38 - FORT PIERCE, FLORIDA
SMITH AND FISHER

PROPOSED OPERATING PARAMETERS

PROPOSED WTCE-DT
CHANNEL 38 – FORT PIERCE, FLORIDA

Transmitter Power Output:	25.7 kw
Transmission Line Efficiency:	77.1%
Antenna Power Gain – Main Lobe:	50.38
Effective Radiated Power – Main Lobe:	1000 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew MACX675B
Size and Type:	6-1/8" rigid
Length:	1,000 feet*
Antenna Make and Model:	ERI ATW22H3-HTPX-38S
Orientation	170, 350 degrees true
Beam Tilt	0.75 degrees
Radiation Center Above Ground:	295 meters
Radiation Center Above Mean Sea Level:	300 meters

*estimated



CONTOUR POPULATION
 48 DBU : 1,672,558
 41 DBU : 2,251,987

SMITH and FISHER

41 DBU

48 DBU

Scale 1:1,000,000
 0 10 20 30 km

EXHIBIT D.
PREDICTED SERVICE CONTOURS
PROPOSED WTCE-DT
CHANNEL 38 – FORT PIERCE, FLORIDA.
 SMITH AND FISHER

INTERFERENCE STUDY
PROPOSED WTCE-DT
CHANNEL 38 – FORT PIERCE, FLORIDA

The instant application specifies an ERP of 1000 kw (directional) at 297 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 WTCE-DT to other pertinent stations are tabulated in Exhibit E-2.

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

A Longley-Rice interference study also reveals that the proposed WTCE-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-2INTERFERENCE STUDY SUMMARY
PROPOSED WTCE-DT
CHANNEL 38 – FORT PIERCE, FLORIDA

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WTCE-DT*</u>	<u>%</u>
WTTA-DT	St. Petersburg, FL	38	3,671,786	3,444	0.1
WPMF-lp	Miami, FL	38	1,061,382	0	0

*Above that caused by the allotment facility.

EXHIBIT F

POWER DENSITY CALCULATION
PROPOSED WTCE-DT
CHANNEL 38 – FORT PIERCE, FLORIDA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Fort Pierce 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 295 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.0016 mw/cm^2 is calculated to occur 79 meters north and south of the base of the tower. Since this is only 0.4 percent of the 0.41 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 38 (614-620 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.