

TECHNICAL EXHIBIT  
MINOR CHANGE APPLICATION FOR CONSTRUCTION PERMIT  
CLASS A STATION WSPF-CA  
FACILITY ID 11559  
ST. PETERSBURG, FLORIDA  
CH 35 28 KW (MAX-DA)

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of a minor change application to modify the licensed operation of Class A station WSPF-CA at St. Petersburg, Florida (Facility ID: 11559; File No. BLTTL-19890110IF). Specifically, this application proposes to amend the transmitter site coordinates, change from a non-directional to a directional antenna, increase the antenna directional maximum effective radiated power (ERP) to 28 kilowatts, and also increase the antenna radiation center height above mean sea level (RCAMSL) to 81 meters. No other changes are proposed. This application is considered a "minor change" in facilities pursuant to Section 73.3572(a)(2), as there will be no change in frequency (output channel) and the proposed 74 dBu contour will overlap a portion of the licensed 74 dBu contour (Figure 1).

It is proposed to operate on channel 35 (596-602 MHz) with a "minus" carrier frequency offset and employing an Andrew AL8N-35-PL directional antenna system. The maximum ERP will be 28 kW. The antenna radiation center will be at 74 meters above ground level (AGL) and 81 meters above mean sea level.

Figure 2 contains the horizontal and vertical pattern data for the proposed AL8N-35-PL antenna.

Analog TV Broadcast Station Protection

A study has been conducted using the provisions of Section 74.705 which indicates that the proposed WSPF-CA operation will not create prohibited interference to other existing, authorized or proposed NTSC full-power stations, except with respect to the pending applications of station WXPX(TV) on channel 42 at Bradenton, Florida (BPCT-19980708KH and BPCT-20020215AAZ). However, interference studies were

prepared with respect to the two pending applications based on OET Bulletin No. 69. Interference calculations for the proposed WSPF-CA operation are summarized below.

Protected NTSC Station	FCC Service Population	Proposed Interference Population
WXPX(TV), Ch. 42, Bradenton, FL Application (BPCT-19980708KH) Application (BLCT-20020215AAZ)	No Interference Calculated No Interference Calculated	

The results of the OET Bulletin No. 69 interference analyses indicate the proposed operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the WSPF-CA operation complies with the FCC's interference standards towards all NTSC stations and allotments. Therefore, a waiver of Section 74.705 is requested with respect to the WXPX(TV) applications based on OET-69 calculations. Figure 3 is a printout of the OET-69 interference calculations with respect to the WXPX(TV) facilities.

#### DTV Station and DTV Table of Allotments Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed WSPF-CA operation on channel 35 complies with the FCC's 0.5% interference threshold criteria to all allotted, proposed or actual DTV operating facilities on channels 34, 35 and 36. Interference calculations for the proposed WSPF-CA operation are summarized below.

Protected NTSC Station	FCC Service Population	Proposed Interference Population
WUSF-DT, Ch. 34, Tampa, FL Allotment CP (BPEDT-19991217ACB)	No Interference Calculated No Interference Calculated	
WFTX-DT, Ch. 35, Cape Coral, FL Allotment License (BLCDT-20020211AAC)	882,290 882,290	2,799 (0.3%) 0 (0.0%)

The results of the OET Bulletin No. 69 interference analyses indicate the proposed operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the WSPF-CA operation complies with the FCC's DTV interference criteria. Figure 3 is a printout of the OET-69 interference calculations with respect to the stations tabulated above.

LPTV/TV Translator/Class A Protection

A study has been conducted using the provisions of Section 74.707 which indicates that the WSPF-CA proposal will not create prohibited interference to other existing, authorized or proposed LPTV/Class A stations except with respect to Class A station WARP-LP on channel 20 at Tampa-St. Petersburg, Florida. However, an interference study was prepared with respect to WARP-CA based on OET Bulletin No. 69. Interference calculations for the proposed WSPF-CA operation are summarized below.

Protected NTSC Station	FCC Service Population	Proposed Interference Population
WARP-CA, Ch. 20, Tampa/St. Pete., FL License (BLTTL-19931220IL)	No Interference Calculated	

The results of the OET Bulletin No. 69 interference analyses indicate the proposed operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the WSPF-CA operation complies with the FCC's interference standards towards all LPTV, TV translator, and Class A stations. Therefore, a waiver of Section 74.707 is requested with respect to WARP-CA based on OET-69 calculations. Figure 3 is a printout of the OET-69 interference calculations with respect to the licensed WARP-CA facility.

Land Mobile Station Protection

The proposed WSPF-CA operation does not cause interference to land mobile radio stations (LMRS).

US-Mexican TV Agreement Compliance

The proposed channel 35 operation will be located 812 kilometers from the closest point of the US-Mexican common border. Therefore, coordination with Mexico is not necessary.

Environmental Protection Act

The proposed WSPF-CA facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."<sup>1</sup> The calculated power density at the rooftop was calculated using the appropriate equation on Page 13 of the Bulletin. Based on a relative field factor of 0.12, a visual effective radiated power of 28 kilowatts and 10 percent aural power, the calculated power density at the rooftop is 0.9964 milliwatt per square centimeter (mW/cm<sup>2</sup>), or 49.9 percent of the Commission's recommended limit applicable to controlled exposure areas (2.00 mW/cm<sup>2</sup> for TV channel 35). Therefore, measurements will be taken to show compliance with the FCC's RF emission rules.

Access to the rooftop will be restricted and appropriately marked with warning signs. Furthermore, an agreement will be in effect in the event that workers or other authorized personnel enter the restricted area, to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

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<sup>1</sup> See *Report and Order* in ET Docket 93-62, FCC 96-326, adopted August 1, 1996, 11 FCC Rcd 15123 (1997). See also *First Memorandum Opinion and Order*, ET Docket 93-62, FCC 96-487, adopted December 23, 1996, 11 FCC Rcd 17512 (1997), and *Second Memorandum Opinion and Order and Notice of Proposed Rulemaking*, ET Docket 93-62, FCC 97-303, adopted August 25, 1997.

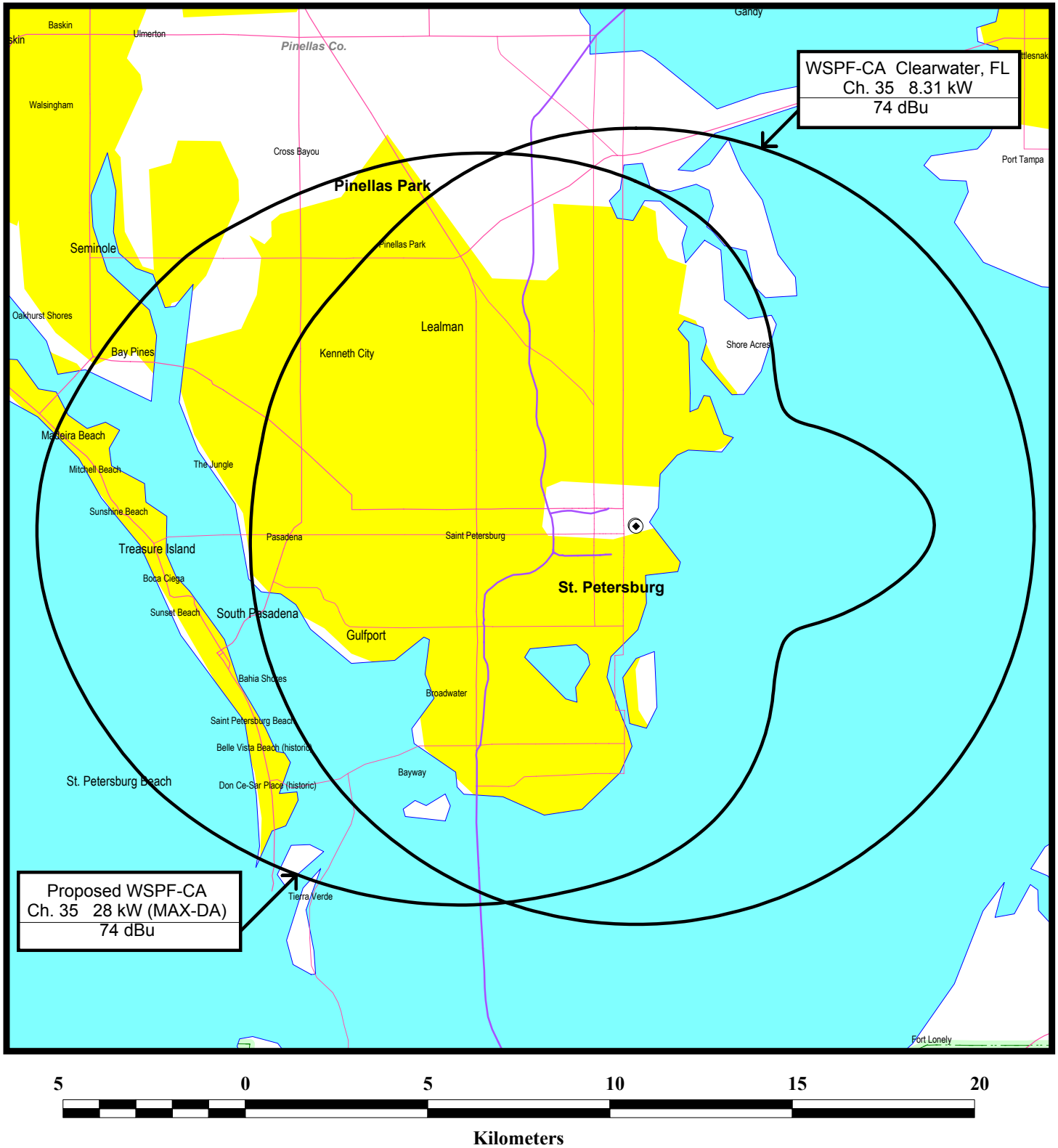
In addition, it appears that the existing site is otherwise excluded from environmental processing as it complies with all the criteria for such an exclusion in Section 1.1306.

Jerome J. Manarchuck

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 34237

April 16, 2003

Figure 1



## PREDICTED COVERAGE CONTOURS

CLASS A STATION WSPF-CA  
ST. PETERSBURG, FLORIDA  
CH 35 28 KW (MAX-DA)

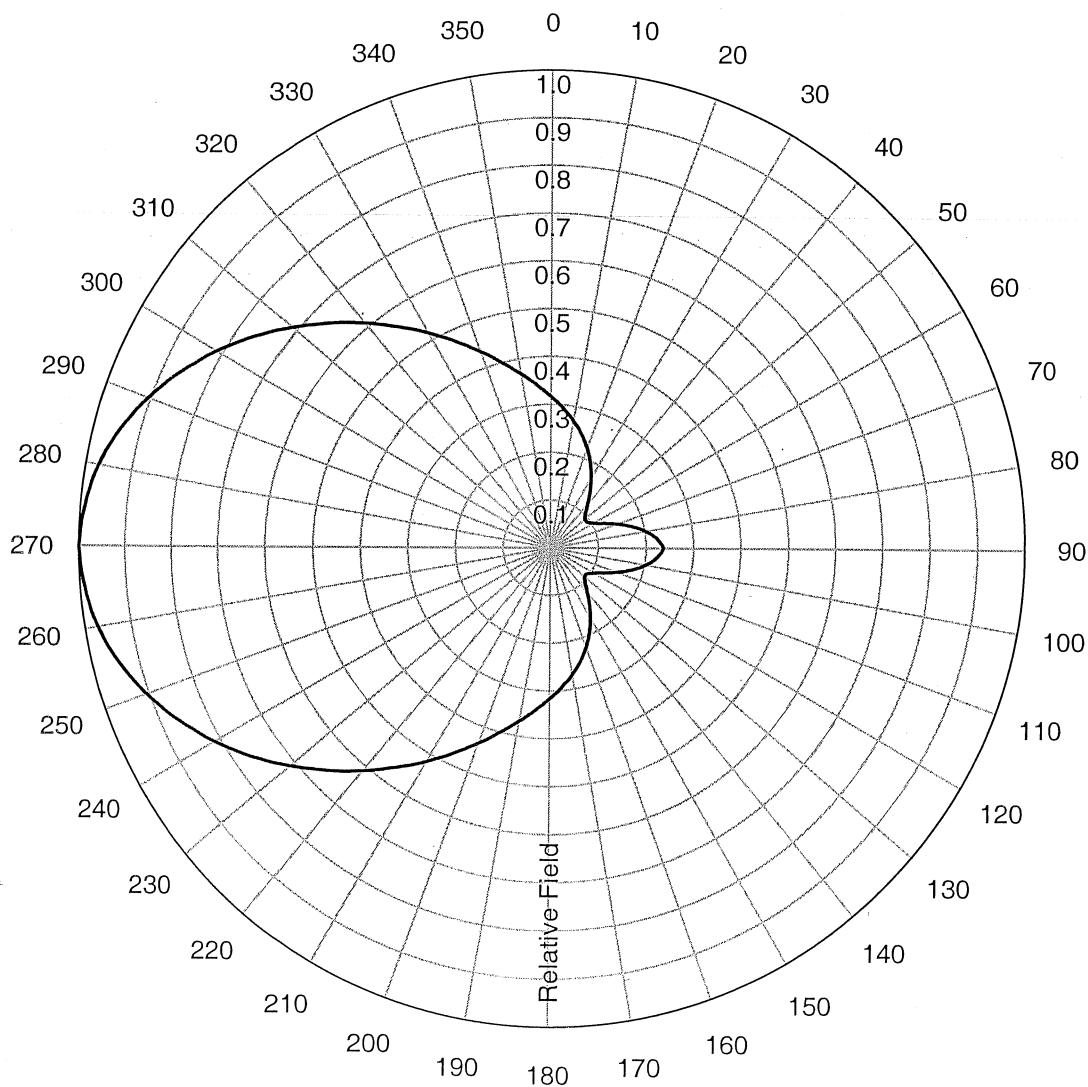
du Treil, Lundin & Rackley, Inc. Sarasota, Florida



# **ANDREW®** **AZIMUTH PATTERN**

Type: ALP-N

	Numeric	dBd
Directivity:	3.77	5.76
Peak(s) at:		
Polarization:	Horizontal	
Channel:	35	
Location:		
Note:		



ANDREW CORPORATION  
10500 W. 153rd Street  
Orland Park, Illinois U.S.A 60462



**ANDREW®**  
**AZIMUTH PATTERN**  
**FCC FILING FORMAT**

Type: ALP-N

Polarization: Horizontal

Angle	Field	ERP (kW)	ERP (dBk)
0	0.316	2.806	4.481
10	0.269	2.033	3.082
20	0.221	1.373	1.375
30	0.168	0.793	-1.006
40	0.120	0.405	-3.929
50	0.094	0.248	-6.050
60	0.104	0.304	-5.172
70	0.147	0.607	-2.166
80	0.202	1.147	0.594
90	0.236	1.565	1.946
100	0.202	1.147	0.594
110	0.147	0.607	-2.166
120	0.104	0.304	-5.172
130	0.094	0.248	-6.050
140	0.120	0.405	-3.929
150	0.168	0.793	-1.006
160	0.221	1.373	1.375
170	0.269	2.033	3.082
180	0.316	2.806	4.481
190	0.368	3.806	5.804
200	0.435	5.318	7.257
210	0.517	7.511	8.757
220	0.611	10.491	10.208
230	0.713	14.286	11.549
240	0.815	18.666	12.711
250	0.906	23.067	13.630
260	0.972	26.550	14.241
270	1.000	28.102	14.487
280	0.972	26.550	14.241
290	0.906	23.067	13.630
300	0.815	18.666	12.711
310	0.713	14.286	11.549
320	0.611	10.491	10.208
330	0.517	7.511	8.757
340	0.435	5.318	7.257
350	0.368	3.806	5.804



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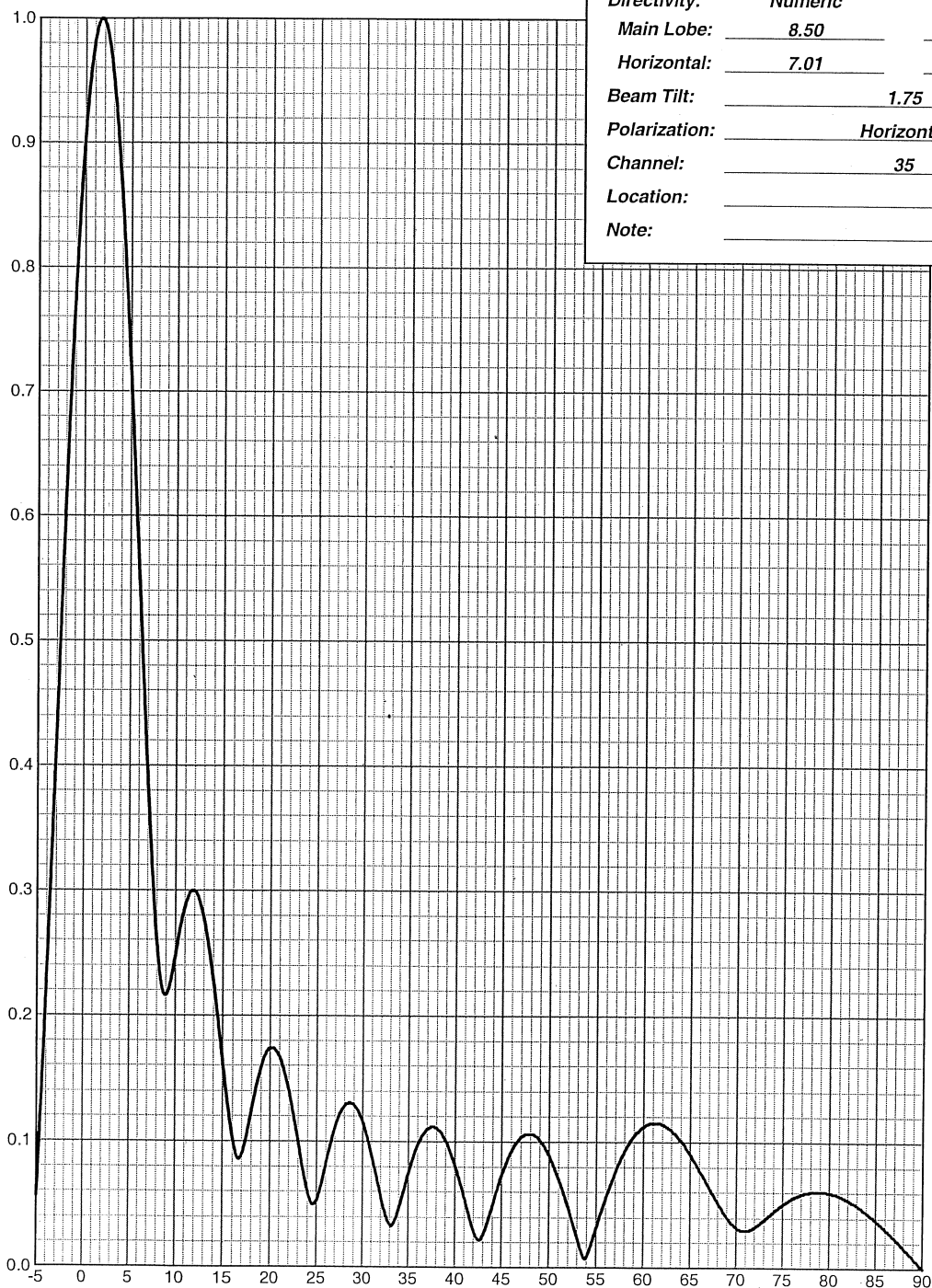


**ANDREW®**

# **ELEVATION PATTERN**

Type:	AL8	
Directivity:	Numeric	dBd
Main Lobe:	8.50	9.29
Horizontal:	7.01	8.46
Beam Tilt:	1.75	
Polarization:	Horizontal	
Channel:	35	
Location:		
Note:		

Relative Field



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Orland Park, Illinois U.S.A 60462

**ANDREW®****ELEVATION TABULATED DATA**Type: AL8Polarization: Horizontal

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-5.00	0.056	-25.04	6.50	0.465	-6.65	42.00	0.029	-30.75	88.00	0.016	-35.92
-4.75	0.098	-20.22	6.75	0.424	-7.45	43.00	0.026	-31.70	89.00	0.008	-41.94
-4.50	0.141	-17.02	7.00	0.385	-8.29	44.00	0.050	-26.02	90.00	0.000	0.00
-4.25	0.186	-14.61	7.25	0.348	-9.17	45.00	0.074	-22.62			
-4.00	0.233	-12.65	7.50	0.314	-10.06	46.00	0.092	-20.72			
-3.75	0.280	-11.06	7.75	0.284	-10.93	47.00	0.104	-19.66			
-3.50	0.328	-9.68	8.00	0.258	-11.77	48.00	0.106	-19.49			
-3.25	0.377	-8.48	8.25	0.238	-12.45	49.00	0.101	-19.91			
-3.00	0.425	-7.43	8.50	0.225	-12.96	50.00	0.089	-21.01			
-2.75	0.473	-6.50	8.75	0.217	-13.25	51.00	0.070	-23.10			
-2.50	0.521	-5.66	9.00	0.216	-13.31	52.00	0.048	-26.38			
-2.25	0.568	-4.92	9.25	0.220	-13.15	53.00	0.023	-32.77			
-2.00	0.614	-4.24	9.50	0.227	-12.88	54.00	0.009	-40.92			
-1.75	0.658	-3.64	9.75	0.237	-12.51	55.00	0.032	-29.90			
-1.50	0.701	-3.09	10.00	0.248	-12.11	56.00	0.056	-25.04			
-1.25	0.742	-2.59	11.00	0.287	-10.84	57.00	0.076	-22.38			
-1.00	0.780	-2.16	12.00	0.299	-10.49	58.00	0.093	-20.63			
-0.75	0.816	-1.77	13.00	0.277	-11.15	59.00	0.105	-19.58			
-0.50	0.850	-1.41	14.00	0.227	-12.88	60.00	0.112	-19.02			
-0.25	0.880	-1.11	15.00	0.161	-15.86	61.00	0.115	-18.79			
0.00	0.908	-0.84	16.00	0.101	-19.91	62.00	0.114	-18.86			
0.25	0.931	-0.62	17.00	0.090	-20.92	63.00	0.109	-19.25			
0.50	0.952	-0.43	18.00	0.125	-18.06	64.00	0.101	-19.91			
0.75	0.969	-0.27	19.00	0.159	-15.97	65.00	0.090	-20.92			
1.00	0.983	-0.15	20.00	0.174	-15.19	66.00	0.077	-22.27			
1.25	0.992	-0.07	21.00	0.167	-15.55	67.00	0.064	-23.88			
1.50	0.998	-0.02	22.00	0.140	-17.08	68.00	0.051	-25.85			
1.75	1.000	0.00	23.00	0.099	-20.09	69.00	0.040	-27.96			
2.00	0.998	-0.02	24.00	0.060	-24.44	70.00	0.032	-29.90			
2.25	0.992	-0.07	25.00	0.053	-25.51	71.00	0.030	-30.46			
2.50	0.983	-0.15	26.00	0.083	-21.62	72.00	0.033	-29.63			
2.75	0.970	-0.26	27.00	0.112	-19.02	73.00	0.038	-28.40			
3.00	0.953	-0.42	28.00	0.128	-17.86	74.00	0.045	-26.94			
3.25	0.933	-0.60	29.00	0.129	-17.79	75.00	0.051	-25.85			
3.50	0.910	-0.82	30.00	0.115	-18.79	76.00	0.056	-25.04			
3.75	0.883	-1.08	31.00	0.088	-21.11	77.00	0.059	-24.58			
4.00	0.854	-1.37	32.00	0.056	-25.04	78.00	0.061	-24.29			
4.25	0.821	-1.71	33.00	0.034	-29.37	79.00	0.061	-24.29			
4.50	0.787	-2.08	34.00	0.048	-26.38	80.00	0.060	-24.44			
4.75	0.750	-2.49	35.00	0.075	-22.50	81.00	0.058	-24.73			
5.00	0.713	-2.94	36.00	0.098	-20.18	82.00	0.054	-25.35			
5.25	0.673	-3.44	37.00	0.110	-19.17	83.00	0.050	-26.02			
5.50	0.632	-3.99	38.00	0.111	-19.09	84.00	0.044	-27.13			
5.75	0.591	-4.58	39.00	0.100	-20.00	85.00	0.038	-28.40			
6.00	0.548	-5.22	40.00	0.080	-21.94	86.00	0.031	-30.17			
6.25	0.506	-5.91	41.00	0.055	-25.19	87.00	0.024	-32.40			



ANDREW CORPORATION  
10500 W. 153rd Street  
Orland Park, Illinois U.S.A 60462

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Date: 04-14-2003 Time: 10:06:37

Record Selected for Analysis

WSPF-CA USERRECORD-01 ST. PETERSBURG FL US  
 Channel 35 ERP 28. kW HAAT 81. m RCAMSL 00081 m  
 Latitude 027-46-23 Longitude 0082-38-08  
 Status APP Zone 3 Border Offset -  
 Dir Antenna Make CDB Model 00000000016983 Beam tilt N Ref Azimuth 270.  
 Last update Cutoff date Docket  
 Comments  
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	2.796	79.7	9.4
45.0	0.320	80.6	5.6
90.0	1.559	81.0	8.2
135.0	0.319	81.0	5.6
180.0	2.796	80.9	9.5
225.0	12.271	79.9	13.4
270.0	28.000	75.5	16.4
315.0	12.271	73.3	12.9

Evaluation from Class A Station

Station inside contour of station

WUSF-DT 34 TAMPA FL DTVPLN DTVP0933

Station inside contour of station

WUSF-TV 34 TAMPA FL BPEDT 19991217ACB

Contour overlap to station

WFTX 35 CAPE CORAL FL BLCDT 20020211AAC

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Contour overlap to station

WFTX-DT 35 CAPE CORAL FL DTVPLN DTVP0969

Spacing violation to station

WXPX 42 BRADENTON FL BPCT 19980708KH

Site-to-site distance 37.2km

Spacing violation to station

WXPX 42 BRADENTON FL BPCT 20020215AAZ

Site-to-site distance 37.2km

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

WARP-CA 20 TAMPA-ST. PETERSBURG FL BLTTL 19931220IL

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station

WUSF-TV 34 TAMPA FL BPEDT19991217ACB causes

Contour overlap to Class A station

WSPF-CA 35 ST. PETERSBURG FL USERRECORD01

Station

WFTX 35 CAPE CORAL FL BLCDT20020211AAC causes

Contour overlap to Class A station

WSPF-CA 35 ST. PETERSBURG FL USERRECORD01

Station

WOFL 35 ORLANDO FL BPCT19960626KE causes

Contour overlap to Class A station

WSPF-CA 35 ST. PETERSBURG FL USERRECORD01

Station

WOFL 35 ORLANDO FL BLCT19960507KF causes

[illegible]

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	WARP-CA	TAMPA-ST. PETERSBURG FL	BLTTL	-19931220IL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WWWB-DT	LAKELAND FL	66.5	PLN	DTVPLN	-DTVP0344
19	WMOR-TV	LAKELAND FL	36.1	CP MOD	BMPCDT	-20011101AAK
20	WBBH-TV	FORT MYERS FL	143.5	CP	BPCT	-19990709LC
20	WCJB-TV	GAINESVILLE FL	186.9	LIC	BLCT	-19821029KE
20	WBSF-DT	MELBOURNE FL	174.8	PLN	DTVPLN	-DTVP0391
20	WOTF	MELBOURNE FL	174.8	CP	BPCDT	-19991029ADG
20	WLRN-TV	MIAMI FL	319.2	CP MOD	BMPEDT	-20010316AAW
20	WLRN-DT	MIAMI FL	319.6	PLN	DTVPLN	-DTVP0392
20	WABW-DT	PELHAM GA	390.4	PLN	DTVPLN	-DTVP0394
21	WCLF-DT	CLEARWATER FL	37.8	PLN	DTVPLN	-DTVP0431
21	WCLF	CLEARWATER FL	36.1	CP	BPCDT	-19991101AHE
24	WTSP	ST. PETERSBURG FL	37.8	CP MOD	BMPCDT	-20000501AFO
24	WTSP-DT	ST. PETERSBURG FL	37.8	PLN	DTVPLN	-DTVP0561
34	WUSF-DT	TAMPA FL	35.5	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	35.5	CP	BPEDT	-19991217ACB
35	WFTX	CAPE CORAL FL	144.2	LIC	BLCDDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	144.2	PLN	DTVPLN	-DTVP0969
35	WSPF-CA	ST. PETERSBURG FL	10.5	LIC	BLTTL	-19890110IF
35	WSPF-CA	ST. PETERSBURG FL	10.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 1

Before Analysis

Results for: 20N FL TAMPA-ST. PETERSBURG BLTTL 19931220IL LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	750056	887.4
not affected by terrain losses	750056	887.4
lost to NTSC IX	43187	32.0
lost to additional IX by ATV	6031	24.0
lost to all IX	49218	56.0

Potential Interfering Stations Included in above Scenario 1

20N FL FORT MYERS	BPCT	19990709LC	CP
19A FL LAKELAND	BMPCDT	20011101AAK	CP
21A FL CLEARWATER	BPCDT	19991101AHE	CP
35N FL ST. PETERSBURG	BLTTL	19890110IF	LIC

After Analysis

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Results for: 20N FL TAMPA-ST. PETERSBURG BLTTL 19931220IL LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	750056	887.4
not affected by terrain losses	750056	887.4
lost to NTSC IX	27237	16.0
lost to additional IX by ATV	15159	36.0
lost to all IX	42396	52.0

Potential Interfering Stations Included in above Scenario 1

20N FL FORT MYERS	BPCT	19990709LC	CP
19A FL LAKELAND	BMPCDT	20011101AAK	CP
21A FL CLEARWATER	BPCDT	19991101AHE	CP
35N FL ST. PETERSBURG	USERRECORD01		APP

#####

Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
34	WUSF-DT	TAMPA FL	DTVPLN -DTVP0933

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WCEU-DT	NEW SMYRNA BEACH FL	182.7	PLN	DTVPLN -DTVP0896
33	WRXY-DT	TICE FL	126.8	PLN	DTVPLN -DTVP0897
34	WTVX	FORT PIERCE FL	201.6	PLN	DTVPLN -NPLN1470
34	WJWB-DT	JACKSONVILLE FL	278.4	PLN	DTVPLN -DTVP0931
34	DNCE	MARATHON FL	367.7	PLN	DTVPLN -NPLN1488
35	WFTX-DT	CAPE CORAL FL	125.6	PLN	DTVPLN -DTVP0969
35	WOFL	ORLANDO FL	142.6	PLN	DTVPLN -NPLN1493

Results for: 34A FL TAMPA DTVPLN DTVP0933 PLN

HAAT 308.0 m, ATV ERP 73.3 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2772006	16938.3
not affected by terrain losses	2771991	16934.3
lost to NTSC IX	1795	24.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1795	24.0

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
16	WUSFTV	TAMPA FL	DTVPLN -NPLN0949

Stations Potentially Affecting This Station

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WZDY-DT	ORLANDO FL	86.1	PLN	DTVPLN	-DTVP0126
15	WBBH-DT	FORT MYERS FL	124.0	PLN	DTVPLN	-DTVP0165
15	WCEU	NEW SMYRNA BEACH FL	182.7	PLN	DTVPLN	-NPLN0916
16	WCJB-DT	GAINESVILLE FL	188.1	PLN	DTVPLN	-DTVP0209
16	NEW	MARIANNA FL	394.0	PLN	DTVPLN	-NPLN0948
16	WPBF-DT	TEQUESTA FL	201.2	PLN	DTVPLN	-DTVP0210
17	WKCF-DT	CLERMONT FL	142.0	PLN	DTVPLN	-DTVP0254
19	WWWB-DT	LAKELAND FL	31.0	PLN	DTVPLN	-DTVP0344
20	WBBHTV	FORT MYERS FL	124.0	PLN	DTVPLN	-NPLN1072
20	WBSF-DT	MELBOURNE FL	141.9	PLN	DTVPLN	-DTVP0391
23	WMFE-DT	ORLANDO FL	141.9	PLN	DTVPLN	-DTVP0517
24	WMFETV	ORLANDO FL	141.9	PLN	DTVPLN	-NPLN1203
24	WTSP-DT	ST. PETERSBURG FL	61.5	PLN	DTVPLN	-DTVP0561
30	WBCC-DT	COCOA FL	141.9	PLN	DTVPLN	-DTVP0779
30	WGSU	FORT MYERS FL	125.0	PLN	DTVPLN	-NPLN1378
31	WGSU-DT	FORT MYERS FL	125.0	PLN	DTVPLN	-DTVP0816

Results for: 16N FL TAMPA		DTVPLN	NPLN0949	PLN
	POPULATION	AREA (sq km)		
within Noise Limited Contour	2772006	16938.3		
not affected by terrain losses	2771991	16934.3		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	10571	212.0		
lost to all IX	10571	212.0		

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WUSF-DT	TAMPA FL	DTVPLN	-DTVP0933

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WCEU	NEW SMYRNA BEACH FL	145.1	CP	BPEDT	-20000412AAQ
33	WCEU-DT	NEW SMYRNA BEACH FL	182.7	PLN	DTVPLN	-DTVP0896
33	WRXY-TV	TICE FL	126.8	CP	BPCDT	-19991028AFP
33	WRXY-DT	TICE FL	126.8	PLN	DTVPLN	-DTVP0897
34	WTVX	FORT PIERCE FL	201.6	LIC	BLCT	-19800624KF
34	WJWB	JACKSONVILLE FL	278.4	CP	BPCDT	-19991025AEM
34	WJWB-DT	JACKSONVILLE FL	278.4	PLN	DTVPLN	-DTVP0931
35	WFTX	CAPE CORAL FL	125.6	LIC	BLCDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	125.6	PLN	DTVPLN	-DTVP0969
35	WOFL	ORLANDO FL	142.6	CP	BPCT	-19960626KE
35	WSPF-CA	ST. PETERSBURG FL	37.5	APP	USERRECORD-01	

Proposal causes no interference

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OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WUSF-TV	TAMPA FL	BPEDT	-19991217ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WCEU	NEW SMYRNA BEACH FL	145.1	CP	BPEDT	-20000412AAQ
33	WCEU-DT	NEW SMYRNA BEACH FL	182.7	PLN	DTVPLN	-DTVP0896
33	WRXY-TV	TICE FL	126.8	CP	BPCDT	-19991028AFP
33	WRXY-DT	TICE FL	126.8	PLN	DTVPLN	-DTVP0897
34	WTVX	FORT PIERCE FL	201.6	LIC	BLCT	-19800624KF
34	WJWB	JACKSONVILLE FL	278.4	CP	BPCDT	-19991025AEM
34	WJWB-DT	JACKSONVILLE FL	278.4	PLN	DTVPLN	-DTVP0931
35	WFTX	CAPE CORAL FL	125.6	LIC	BLCDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	125.6	PLN	DTVPLN	-DTVP0969
35	WOFL	ORLANDO FL	142.7	CP	BPCT	-19960626KE
35	WSPF-CA	ST. PETERSBURG FL	37.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
35	WFTX-DT	CAPE CORAL FL	DTVPLN	-DTVP0969

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WTVX	FORT PIERCE FL	144.5	PLN	DTVPLN	-NPLN1470
34	WUSF-DT	TAMPA FL	125.6	PLN	DTVPLN	-DTVP0933
35	WCTD	MIAMI FL	192.9	PLN	DTVPLN	-NPLN1492
35	WOFL	ORLANDO FL	213.0	PLN	DTVPLN	-NPLN1493
36	WFTX	CAPE CORAL FL	0.0	PLN	DTVPLN	-NPLN1515
36	WHBI-DT	LAKE WORTH FL	170.8	PLN	DTVPLN	-DTVP1008

Results for: 35A FL CAPE CORAL      DTVPLN      DTVP0969      PLN  
HAAT 450.0 m, ATV ERP 216.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	882541	24116.9
not affected by terrain losses	882541	24116.9
lost to NTSC IX	251	4.0
lost to additional IX by ATV	0	0.0

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lost to ATV IX only	0	0.0
lost to all IX	251	4.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
36	WFTX	CAPE CORAL FL	DTVPLN	-NPLN1515

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WFTS	TAMPA FL	125.0	PLN	DTVPLN	-NPLN1328
29	WFTS-DT	TAMPA FL	125.0	PLN	DTVPLN	-DTVP0740
29	WFLX	WEST PALM BEACH FL	156.7	PLN	DTVPLN	-NPLN1353
33	WRXY-DT	TICE FL	1.3	PLN	DTVPLN	-DTVP0897
34	WUSF-DT	TAMPA FL	125.6	PLN	DTVPLN	-DTVP0933
35	WFTX-DT	CAPE CORAL FL	0.0	PLN	DTVPLN	-DTVP0969
35	WCTD	MIAMI FL	192.9	PLN	DTVPLN	-NPLN1492
36	WUFT-DT	GAINESVILLE FL	329.1	PLN	DTVPLN	-DTVP1007
36	WHBI-DT	LAKE WORTH FL	170.8	PLN	DTVPLN	-DTVP1008
38	WTTA	ST. PETERSBURG FL	125.0	PLN	DTVPLN	-NPLN1538
40	WWSB	SARASOTA FL	101.5	PLN	DTVPLN	-NPLN1580
43	WBSF	MELBOURNE FL	189.5	PLN	DTVPLN	-NPLN1637
44	WTOG	ST. PETERSBURG FL	123.8	PLN	DTVPLN	-NPLN1656
50	WBHSTV	TAMPA FL	125.0	PLN	DTVPLN	-NPLN1772
51	WSCV	FORT LAUDERDALE FL	183.3	PLN	DTVPLN	-NPLN1792

Results for: 36N FL CAPE CORAL	DTVPLN	NPLN1515	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	879142	24096.8	
not affected by terrain losses	879142	24096.8	
lost to NTSC IX	9151	189.8	
lost to additional IX by ATV	0	0.0	
lost to all IX	9151	189.8	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WFTX	CAPE CORAL FL	BLCDT	-20020211AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WTVX	FORT PIERCE FL	144.6	LIC	BLCT	-19800624KF
34	WUSF-DT	TAMPA FL	125.6	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	125.6	CP	BPEDT	-19991217ACB
35	WPXM	MIAMI FL	192.9	LIC	BLCT	-19921026KE
35	WOFL	ORLANDO FL	213.1	CP	BPCT	-19960626KE
36	WFTX	CAPE CORAL FL	0.0	CP	BPCT	-20000912AAI
36	WPXP	LAKE WORTH FL	159.5	APP	BMPCDT	-20020501AAH
36	WHBI-DT	LAKE WORTH FL	170.9	PLN	DTVPLN	-DTVP1008
36	WPXP	LAKE WORTH FL	159.5	CP	BPCDT	-19991027ADA
35	WSPF-CA	ST. PETERSBURG FL	136.4	APP	USERRECORD-01	

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Total scenarios = 1  
Result key: 2  
Scenario 1 Affected station 4  
Before Analysis

Results for: 35A FL CAPE CORAL BLC DT 20020211AAC LIC  
HAAT 404.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1053931	29227.6
not affected by terrain losses	1053931	29227.6
lost to NTSC IX	104	24.2
lost to additional IX by ATV	13051	238.3
lost to ATV IX only	13051	238.3
lost to all IX	13155	262.5

Potential Interfering Stations Included in above Scenario 1

35N FL ORLANDO	BPCT	19960626KE	CP
34A FL TAMPA	BPEDT	19991217ACB	CP

After Analysis

Results for: 35A FL CAPE CORAL BLC DT 20020211AAC LIC  
HAAT 404.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1053931	29227.6
not affected by terrain losses	1053931	29227.6
lost to NTSC IX	2903	32.3
lost to additional IX by ATV	13051	234.3
lost to ATV IX only	13051	238.3
lost to all IX	15954	266.6

Potential Interfering Stations Included in above Scenario 1

35N FL ORLANDO	BPCT	19960626KE	CP
34A FL TAMPA	BPEDT	19991217ACB	CP
35N FL ST. PETERSBURG	USERRECORD01		APP

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	WFTX-DT	CAPE CORAL FL	DTVPLN -DTVP0969

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

34	WTVX	FORT PIERCE FL	144.5	LIC	BLCT	-19800624KF
34	WUSF-DT	TAMPA FL	125.6	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	125.6	CP	BPEDT	-19991217ACB
35	WPXM	MIAMI FL	192.9	LIC	BLCT	-19921026KE
35	WOFL	ORLANDO FL	213.0	CP	BPCT	-19960626KE
36	WFTX	CAPE CORAL FL	0.0	CP	BPCT	-20000912AAI
36	WPXP	LAKE WORTH FL	159.4	APP	BMPCDT	-20020501AAH
36	WHBI-DT	LAKE WORTH FL	170.8	PLN	DTVPLN	-DTVP1008
36	WPXP	LAKE WORTH FL	159.4	CP	BPCDT	-19991027ADA
35	WSPF-CA	ST. PETERSBURG FL	136.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WPXP	BRADENTON FL	BPCT	-19980708KH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WUSF-DT	TAMPA FL	3.2	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	3.2	CP	BPEDT	-19991217ACB
35	WFTX	CAPE CORAL FL	122.6	LIC	BLCDDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	122.6	PLN	DTVPLN	-DTVP0969
35	WOFL	ORLANDO FL	144.4	CP	BPCT	-19960626KE
39	960919LB	CRYSTAL RIVER FL	96.6	APP	BPEDT	-19960919LB
40	WWSB	SARASOTA FL	31.0	CP	BPCT	-19991012AAS
41	WZVN-TV	NAPLES FL	121.2	CP MOD	BMPCDT	-20020227ABM
41	WZVN-DT	NAPLES FL	167.3	PLN	DTVPLN	-DTVP1153
41	WRBW	ORLANDO FL	146.8	CP	BPCDT	-20000501ADF
41	WRBW-DT	ORLANDO FL	143.7	PLN	DTVPLN	-DTVP1154
42	WJXT-DT	JACKSONVILLE FL	281.2	PLN	DTVPLN	-DTVP1187
42	WXEL-TV	WEST PALM BEACH FL	242.7	LIC	BLET	-19820625KF
42	WXEL-TV	WEST PALM BEACH FL	242.7	APP	BPET	-20030212AAE
43	WOTF	MELBOURNE FL	142.9	LIC	BLCT	-19980422KG
44	WTOG	ST. PETERSBURG FL	1.2	LIC	BLCT	-19990415KI
45	WLCB-TV	LEESBURG FL	104.9	CP MOD	BMPET	-20000717AAM
45	WTVK	NAPLES FL	123.8	LIC	BLCDDT	-20021030ACB
46	WLCB-DT	LEESBURG FL	125.0	PLN	DTVPLN	-DTVP1322
46	WTVK	NAPLES FL	123.8	LIC	BLCT	-20020418AAA
49	WRXY-TV	TICE FL	123.8	CP	BPCT	-20020520AAU
50	WFTT	TAMPA FL	2.5	CP	BPCT	-19960710KG
56	WOPX	MELBOURNE FL	115.7	LIC	BLCT	-19980327KF
57	WTTA	ST. PETERSBURG FL	2.5	CP	BPCDT	-19991007AAX
57	WTTA-DT	ST. PETERSBURG FL	2.5	PLN	DTVPLN	-DTVP1602
35	WSPF-CA	ST. PETERSBURG FL	37.2	APP	USERRECORD-01	

Proposal causes no interference

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OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WXPX	BRADENTON FL	BPCT	-20020215AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WUSF-DT	TAMPA FL	3.2	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	3.2	CP	BPEDT	-19991217ACB
35	WFTX	CAPE CORAL FL	122.6	LIC	BLCDDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	122.6	PLN	DTVPLN	-DTVP0969
35	WOFL	ORLANDO FL	144.4	CP	BPCT	-19960626KE
39	960919LB	CRYSTAL RIVER FL	96.6	APP	BPEDT	-19960919LB
40	WWSB	SARASOTA FL	31.0	CP	BPCT	-19991012AAS
41	WZVN-TV	NAPLES FL	121.2	CP MOD	BMPCDDT	-20020227ABM
41	WZVN-DT	NAPLES FL	167.3	PLN	DTVPLN	-DTVP1153
41	WRBW	ORLANDO FL	146.8	CP	BPCDDT	-20000501ADF
41	WRBW-DT	ORLANDO FL	143.7	PLN	DTVPLN	-DTVP1154
42	WJXT-DT	JACKSONVILLE FL	281.2	PLN	DTVPLN	-DTVP1187
42	WXEL-TV	WEST PALM BEACH FL	242.7	LIC	BLET	-19820625KF
42	WXEL-TV	WEST PALM BEACH FL	242.7	APP	BPET	-20030212AAE
43	WOTF	MELBOURNE FL	142.9	LIC	BLCT	-19980422KG
44	WTOG	ST. PETERSBURG FL	1.2	LIC	BLCT	-19990415KI
45	WLCB-TV	LEESBURG FL	104.9	CP MOD	BMPET	-20000717AAM
45	WTVK	NAPLES FL	123.8	LIC	BLCDDT	-20021030ACB
46	WLCB-DT	LEESBURG FL	125.0	PLN	DTVPLN	-DTVP1322
46	WTVK	NAPLES FL	123.8	LIC	BLCT	-20020418AAA
49	WRXY-TV	TICE FL	123.8	CP	BPCT	-20020520AAU
50	WFTT	TAMPA FL	2.5	CP	BPCT	-19960710KG
56	WOPX	MELBOURNE FL	115.7	LIC	BLCT	-19980327KF
57	WTTA	ST. PETERSBURG FL	2.5	CP	BPCDDT	-19991007AAX
57	WTTA-DT	ST. PETERSBURG FL	2.5	PLN	DTVPLN	-DTVP1602
35	WSPF-CA	ST. PETERSBURG FL	37.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WSPF-CA	ST. PETERSBURG FL	USERRECORD-01	

Stations Potentially Affecting This Station

OET-69 NTSC/DTV/LPTV/CLASS A INTERFERENCE STUDY

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WFTS-TV	TAMPA FL	37.4	CP	BPCT	-19960702KP
31	WGCU-DT	FORT MYERS FL	137.0	PLN	DTVPLN	-DTVP0816
33	WRXY-TV	TICE FL	137.6	CP	BPCDT	-19991028AFP
33	WRXY-DT	TICE FL	137.6	PLN	DTVPLN	-DTVP0897
34	WUSF-DT	TAMPA FL	37.5	PLN	DTVPLN	-DTVP0933
34	WUSF-TV	TAMPA FL	37.5	CP	BPEDT	-19991217ACB
35	WFTX	CAPE CORAL FL	136.4	LIC	BLCDT	-20020211AAC
35	WFTX-DT	CAPE CORAL FL	136.4	PLN	DTVPLN	-DTVP0969
35	WPXM	MIAMI FL	327.1	LIC	BLCT	-19921026KE
35	WOFL	ORLANDO FL	177.7	CP	BPCT	-19960626KE
39	960919LB	CRYSTAL RIVER FL	103.9	APP	BPEDT	-19960919LB
42	WFCT-DT	BRADENTON FL	55.6	PLN	DTVPLN	-DTVP1186
42	WXPX	BRADENTON FL	37.2	CP	BPCDT	-19990602KF
49	WRXY-TV	TICE FL	137.7	CP	BPCT	-20020520AAU
50	WFTT	TAMPA FL	37.4	CP	BPCT	-19960710KG

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 8  
Before Analysis

Results for: 35N FL ST. PETERSBURG	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	354764	372.2
not affected by terrain losses	354764	372.2
lost to NTSC IX	145109	236.1
lost to additional IX by ATV	0	0.0
lost to all IX	145109	236.1

Potential Interfering Stations Included in above Scenario 1

50N FL TAMPA BPCT 19960710KG CP

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