

TECHNICAL EXHIBIT  
DTV MAXIMIZATION APPLICATION  
STATION WSFL-DT  
MIAMI, FLORIDA  
CH 19 1000 KW 276 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WSFL-DT for its "maximized" DTV operation at Miami, Florida. This application requests a construction permit (CP) for WSFL-DT digital television operation on channel 19 at Miami with a non-directional effective radiated power of 1000 kilowatts.

Proposed Facilities

Station WSFL-DT proposes to operate DTV channel 19 from its licensed DTV site. The antenna height above average terrain for the channel 19 DTV operation will be 276 meters. The proposed WSFL-DT effective radiated power exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions for WSFL-DT.<sup>1</sup> Therefore, an allocation study was completed to ensure no prohibited interference would occur.

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<sup>1</sup> See Seventh Report And Order And Eighth Further Notice Of Proposed Rule Making in the Matter of Advanced Television Systems and their Impact Upon the Existing Television Broadcast Service, MB Docket 87-268, Released August 6, 2007; Adopted August 1, 2007.

The proposed DTV transmitter site will be located at the WSFL-DT site. Therefore, the proposed site location is:

25° 58' 07" North Latitude  
80° 13' 20" West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1.

The Appendix contains the vertical plane radiation pattern for the proposed antenna system.

Figure 2 is a map showing the proposed DTV predicted coverage contour and the associated DTV appendix B Noise-Limited coverage contour. The extent of the contours have been calculated using the normal FCC prediction method.

#### Population Served

The herein proposed WSFL-DT "maximized" facility is predicted to serve 4,906,800 persons, post-transition based upon the 2000 Census. WSFL-DT's associated Appendix B facility is predicted to serve 4,771,000 persons. Therefore, the herein proposed WSFL-DT facility would serve more than 100% of WSFL-DT's Appendix B population.

#### Allocation Considerations

The proposed WSFL-DT Channel 19 facility meets the requirements of Section 73.623 of the FCC Rules concerning

predicted interference to other Appendix B DTV allotments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and published FCC guidelines for preparation of such interference analyses. The Longley-Rice interference analyses were conducted using the software developed by du Treil, Lundin & Rackley, Inc. based on the FCC published software routines.<sup>2</sup> Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed WSFL-DT facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.<sup>3</sup>

#### Radiofrequency Electromagnetic Field Exposure

The proposed WSFL-DT facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed WSFL-DT antenna is located 276 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.15 is assumed for the antenna's downward radiation. The calculated power density

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<sup>2</sup> The duTreil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed.

<sup>3</sup> Interference analysis results reflect the net change in interference to a given station considering the interference predicted to occur from all other stations (i.e. "masking") including the allotment facility for WSFL-DT. This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

at a point 2 meters above ground level is 0.01 mW/cm<sup>2</sup>. This is less than 8 percent of the Commission's recommended limit of 0.34 mW/cm<sup>2</sup> for channel 19 for an "uncontrolled" environment.

Access to the transmitting site is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, 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. The proposed WSFL-DT operation appears to be otherwise categorically excluded from environmental processing.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

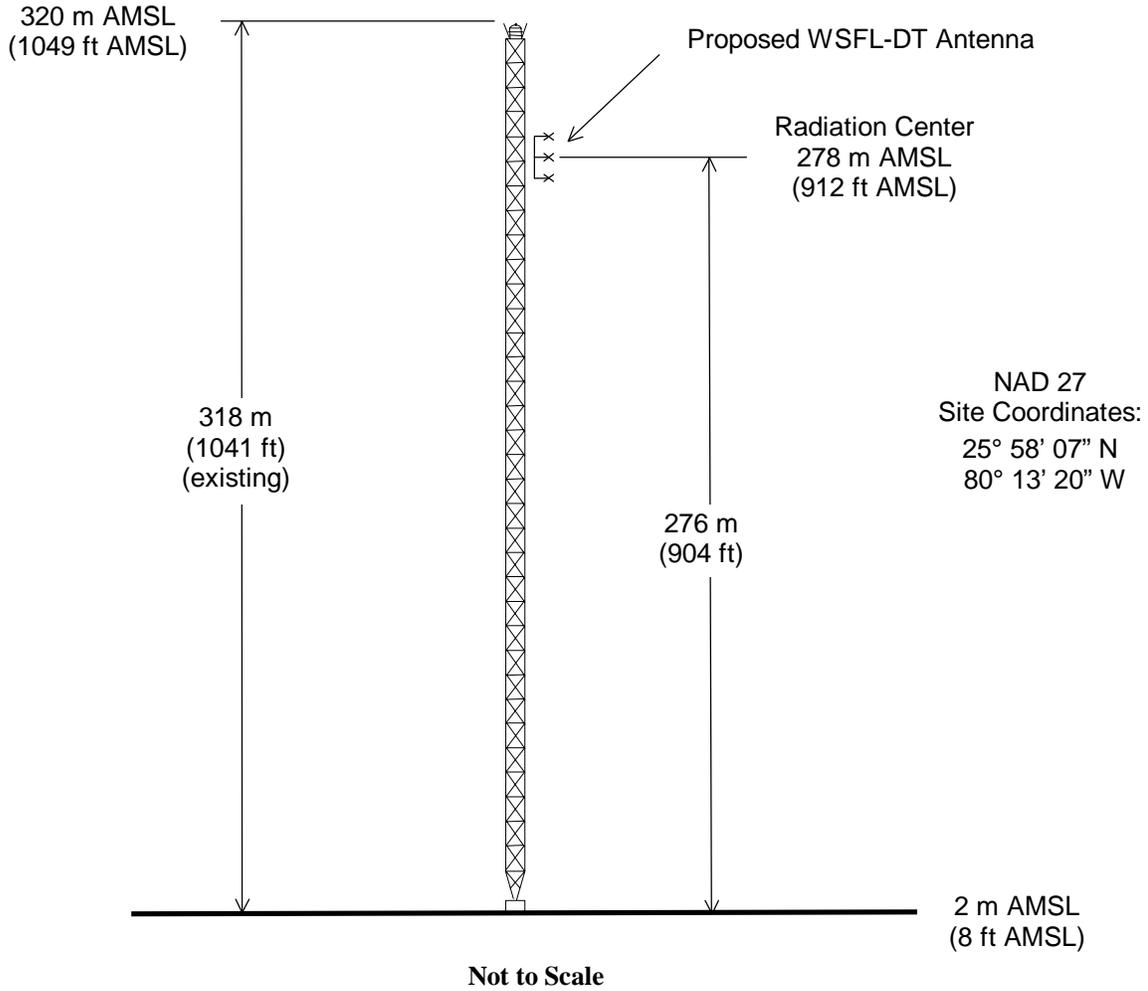
Charles Cooper

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 32437  
941.329.6000

June 13, 2008



ASR: 1026553



**ANTENNA AND SUPPORTING STRUCTURE**

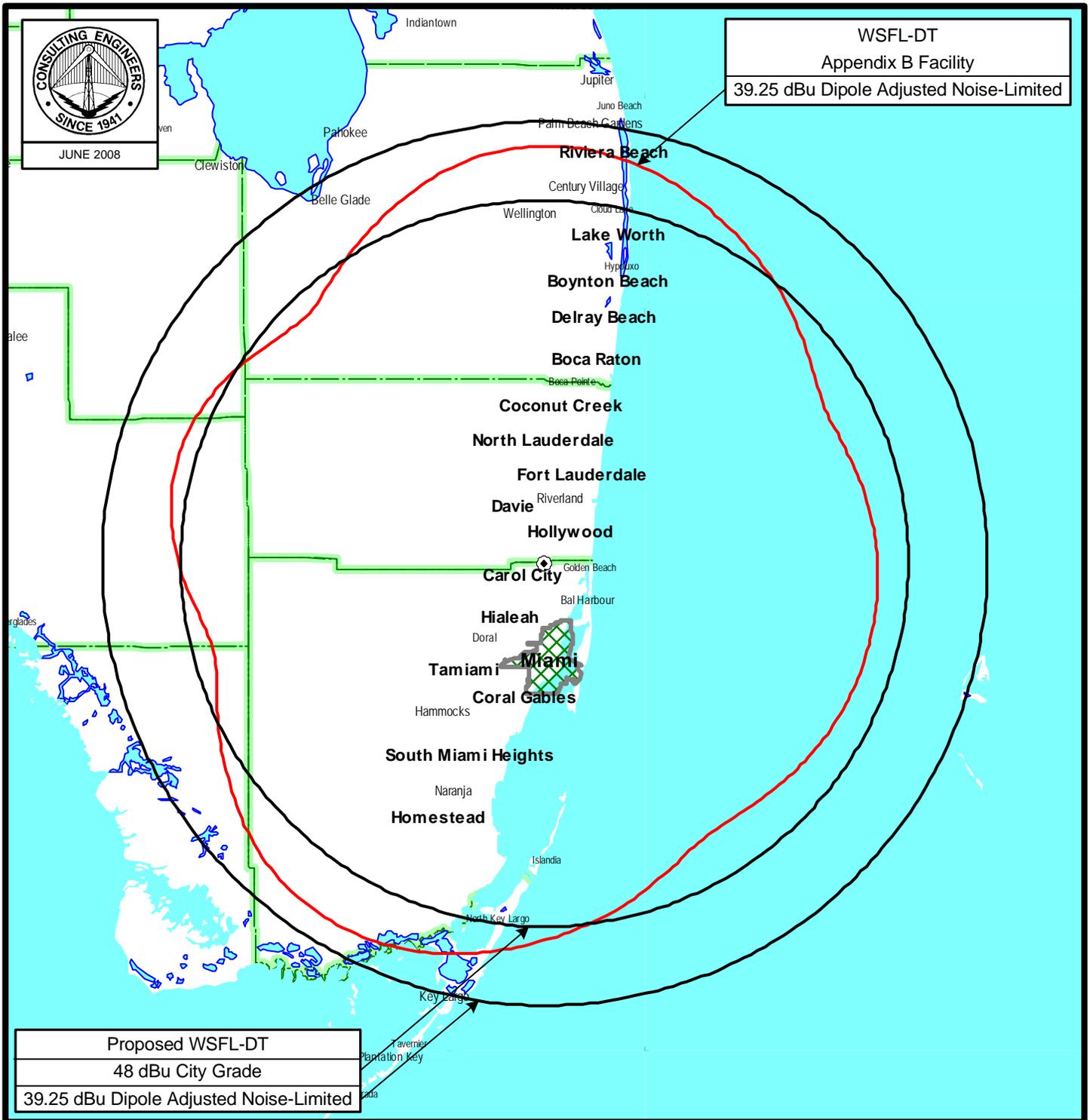
DTV STATION WSFL-DT

MIAMI, FLORIDA

CH 19 1000 KW 276 M

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

Figure 2



## PREDICTED COVERAGE CONTOURS

STATION WSFL-DT

MIAMI, FLORIDA

CH 19 1000 KW 276 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt\_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-13-2008 Time: 15:31:19

Record Selected for Analysis

WSFL USERRECORD-01 MIAMI FL US
Channel 19 ERP 1000. kW HAAT 276. m RCAMSL 00278 m
Latitude 025-58-07 Longitude 0080-13-20
Status APP Zone 2 Border
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

Facility meets maximum height/power limits

Table with 4 columns: Azimuth (Deg), ERP (kW), HAAT (m), 41.0 dBu F(50,90) (km). Rows show values for various azimuths from 0.0 to 315.0.

Evaluation toward Class A Stations

Station inside contour of Class A station
WDLP-CA 21 MIAMI, POMPANO BEACH FL BLTTA 20080206ADA

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WSFL 19 MIAMI FL USERRECORD01

and station

Figure 3

SHORT TO: WSFL-TV 19 MIAMI FL BLCDT 20070124ABF
025-58- 7 0080-13-20
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: WSFL-TV 19 MIAMI FL DTVPLN DTVP0673
25 -58-07 80 -13-20
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Table with 4 columns: Channel, Call, City/State, ARN. Row 1: 19, WSFL, MIAMI FL, USERRECORD01

Stations Potentially Affected by Proposed Station

Table with 7 columns: Chan, Call, City/State, Dist(km), Status, Application Ref. No. Rows list affected stations like WPBT, WMOR-TV, WLRN-TV, and WDLP-CA.

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Analysis of Interference to Affected Station 1

Analysis of current record

Figure 3

Channel	Call	City/State	Application	Ref. No.
18	WPBT	MIAMI FL	BLEDT	-20010712AGD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WSFL-TV	MIAMI FL	1.5	PLN	DTVPLN	-DTVP0673
19	WSFL	MIAMI FL	1.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WPBT	MIAMI FL	DTVPLN	-DTVP0636

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WSFL-TV	MIAMI FL	1.5	PLN	DTVPLN	-DTVP0673
19	WSFL	MIAMI FL	1.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WMOR-TV	LAKELAND FL	BLEDT	-20050726ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WTEV-TV	JACKSONVILLE FL	281.7	LIC	BLEDT	-20030328ANV
19	WTEV-TV	JACKSONVILLE FL	281.7	PLN	DTVPLN	-DTVP0671
19	WSFL-TV	MIAMI FL	288.4	PLN	DTVPLN	-DTVP0673
19	WSFL	MIAMI FL	288.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1

Scenario 1 Affected station 3  
Before Analysis

Results for: 19A FL LAKELAND BLEDT 20050726ABO LIC  
HAAT 458.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4421183	41823.7
not affected by terrain losses	4421183	41823.7

Figure 3

lost to NTSC IX	0	0.0
lost to additional IX by ATV	74759	312.0
lost to ATV IX only	74759	312.0
lost to all IX	74759	312.0

Potential Interfering Stations Included in above Scenario 1

19A FL JACKSONVILLE BLEDT 20030328ANV LIC

After Analysis

Results for: 19A FL LAKELAND BLEDT 20050726ABO LIC

HAAT 458.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4421183	41823.7
not affected by terrain losses	4421183	41823.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	76518	476.0
lost to ATV IX only	76518	476.0
lost to all IX	76518	476.0

Potential Interfering Stations Included in above Scenario 1

19A FL JACKSONVILLE BLEDT 20030328ANV LIC  
19A FL MIAMI USERRECORD01 APP

Percent new IX = 0.0405%

Result key: 2

Scenario 2 Affected station 3  
Before Analysis

Results for: 19A FL LAKELAND BLEDT 20050726ABO LIC

HAAT 458.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4421183	41823.7
not affected by terrain losses	4421183	41823.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	74759	312.0
lost to ATV IX only	74759	312.0
lost to all IX	74759	312.0

Potential Interfering Stations Included in above Scenario 2

19A FL JACKSONVILLE DTVPLN DTVP0671 PLN

After Analysis

Results for: 19A FL LAKELAND BLEDT 20050726ABO LIC

HAAT 458.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4421183	41823.7
not affected by terrain losses	4421183	41823.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	76518	476.0
lost to ATV IX only	76518	476.0
lost to all IX	76518	476.0

Figure 3

Potential Interfering Stations Included in above Scenario 2

19A FL JACKSONVILLE DTVPLN DTVP0671 PLN
19A FL MIAMI USERRECORD01 APP

Percent new IX = 0.0405%

Worst case new IX 0.0405% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel Call City/State Application Ref. No.
19 WMOR-TV LAKELAND FL DTVPLN -DTVP0672

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
19 WTEV-TV JACKSONVILLE FL 281.7 LIC BLCDDT -20030328ANV
19 WTEV-TV JACKSONVILLE FL 281.7 PLN DTVPLN -DTVP0671
19 WSFL-TV MIAMI FL 288.4 PLN DTVPLN -DTVP0673
19 WSFL MIAMI FL 288.4 APP USERRECORD-01

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 4
Before Analysis

Results for: 19A FL LAKELAND DTVPLN DTVP0672 PLN
HAAT 458.0 m, ATV ERP 1000.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 4421183 41823.7
not affected by terrain losses 4421183 41823.7
lost to NTSC IX 0 0.0
lost to additional IX by ATV 74759 312.0
lost to ATV IX only 74759 312.0
lost to all IX 74759 312.0

Potential Interfering Stations Included in above Scenario 1

19A FL JACKSONVILLE BLCDDT 20030328ANV LIC

After Analysis

Results for: 19A FL LAKELAND DTVPLN DTVP0672 PLN
HAAT 458.0 m, ATV ERP 1000.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 4421183 41823.7
not affected by terrain losses 4421183 41823.7
lost to NTSC IX 0 0.0

Figure 3

lost to additional IX by ATV 76518 476.0
lost to ATV IX only 76518 476.0
lost to all IX 76518 476.0

Potential Interfering Stations Included in above Scenario 1

19A FL JACKSONVILLE BLCDDT 20030328ANV LIC
19A FL MIAMI USERRECORD01 APP

Percent new IX = 0.0405%

Result key: 4
Scenario 2 Affected station 4
Before Analysis

Results for: 19A FL LAKELAND DTVPLN DTVP0672 PLN
HAAT 458.0 m, ATV ERP 1000.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 4421183 41823.7
not affected by terrain losses 4421183 41823.7
lost to NTSC IX 0 0.0
lost to additional IX by ATV 74759 312.0
lost to ATV IX only 74759 312.0
lost to all IX 74759 312.0

Potential Interfering Stations Included in above Scenario 2

19A FL JACKSONVILLE DTVPLN DTVP0671 PLN

After Analysis

Results for: 19A FL LAKELAND DTVPLN DTVP0672 PLN
HAAT 458.0 m, ATV ERP 1000.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 4421183 41823.7
not affected by terrain losses 4421183 41823.7
lost to NTSC IX 0 0.0
lost to additional IX by ATV 76518 476.0
lost to ATV IX only 76518 476.0
lost to all IX 76518 476.0

Potential Interfering Stations Included in above Scenario 2

19A FL JACKSONVILLE DTVPLN DTVP0671 PLN
19A FL MIAMI USERRECORD01 APP

Percent new IX = 0.0405%

Worst case new IX 0.0405% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Figure 3

Channel	Call	City/State	Application Ref. No.
20	WLRN-TV	MIAMI FL	BLEDT -20030311AEF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	WSFL-TV	MIAMI FL	2.9	PLN	DTVPLN -DTVP0673
19	WSFL	MIAMI FL	2.9	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.
20	WLRN-TV	MIAMI FL	DTVPLN -DTVP0722

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	WSFL-TV	MIAMI FL	2.9	PLN	DTVPLN -DTVP0673
19	WSFL	MIAMI FL	2.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
20	WLRN-TV	MIAMI FL	BPEDT -20061219AAB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	WSFL-TV	MIAMI FL	2.9	PLN	DTVPLN -DTVP0673
19	WSFL	MIAMI FL	2.9	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.
21	WDLF-CA	MIAMI, POMPANO BEACH FL	BLTTA -20080206ADA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Figure 3

18	WPBT	MIAMI FL	3.6	LIC	BLEDT	-20010712AGD
18	WPBT	MIAMI FL	3.6	PLN	DTVPLN	-DTVP0636
19	WSFL-TV	MIAMI FL	3.4	LIC	BLCDT	-20070124ABF
19	WSFL-TV	MIAMI FL	3.4	PLN	DTVPLN	-DTVP0673
20	WLRN-TV	MIAMI FL	0.8	LIC	BLEDT	-20030311AEF
20	WLRN-TV	MIAMI FL	0.8	PLN	DTVPLN	-DTVP0722
20	WLRN-TV	MIAMI FL	0.8	CP	BPEDT	-20061219AAB
21	WCLF	CLEARWATER FL	289.0	LIC	BLCDT	-20060627AAQ
21	WCLF	CLEARWATER FL	289.0	PLN	DTVPLN	-DTVP0755
21	WTCE-TV	FORT PIERCE FL	161.9	LIC	BLET	-19900510KE
22	WFOR-TV	MIAMI FL	3.4	LIC	BLCDT	-20011023ABS
22	WFOR-TV	MIAMI FL	3.4	PLN	DTVPLN	-DTVP0796
23	WLTW	MIAMI FL	3.4	CP	BPEDT	-20080312AEX
23	WLTW	MIAMI FL	3.4	PLN	DTVPLN	-DTVP0838
23	WLTW	MIAMI FL	3.4	LIC	BLCT	-19950710KF
25	WPBF	TEQUESTA FL	127.8	LIC	BLCT	-19990817LC
28	WFLX	WEST PALM BEACH FL	65.9	LIC	BLCDT	-20020417AAP
28	WFLX	WEST PALM BEACH FL	65.9	PLN	DTVPLN	-DTVP1033
35	WPXM	MIAMI FL	0.0	CP	BPEDT	-20080306AAZ
35	WPXM	MIAMI FL	0.0	PLN	DTVPLN	-DTVP1285
35	WPXM	MIAMI FL	35.6	LIC	BLCT	-19921026KE
36	WPXP	LAKE WORTH FL	67.1	LIC	BLCDT	-20030808ABE
36	WPXP	LAKE WORTH FL	67.1	PLN	DTVPLN	-DTVP1322
19	WSFL	MIAMI FL	3.4	APP	USERRECORD-01	

Total scenarios = 8

Result key: 5

Scenario 1 Affected station 8  
Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 1

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	BPEDT	20080312AEX	CP
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3

Figure 3

lost to all IX 303943 517.3

Potential Interfering Stations Included in above Scenario 1

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 6

Scenario 2 Affected station 8

Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 2

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 2

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 2

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 7

Scenario 3 Affected station 8

Figure 3

Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 3

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 3

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 8

Scenario 4 Affected station 8

Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 4

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC

Figure 3

22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 4

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	BLEDT	20030311AEF	LIC
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 9  
 Scenario 5 Affected station 8  
 Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 5

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 5

Figure 3

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 10  
 Scenario 6 Affected station 8  
 Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 6

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3445088	3685.4
not affected by terrain losses	3445088	3685.4
lost to NTSC IX	26119	12.0
lost to additional IX by ATV	277824	505.3
lost to all IX	303943	517.3

Potential Interfering Stations Included in above Scenario 6

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	BLCDT	20011023ABS	LIC
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 11  
 Scenario 7 Affected station 8  
 Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

Figure 3

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3445088	3685.4	
not affected by terrain losses	3445088	3685.4	
lost to NTSC IX	26119	12.0	
lost to additional IX by ATV	277824	505.3	
lost to all IX	303943	517.3	

Potential Interfering Stations Included in above Scenario 7

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	DTVPLN	DTVP0673	PLN

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3445088	3685.4	
not affected by terrain losses	3445088	3685.4	
lost to NTSC IX	26119	12.0	
lost to additional IX by ATV	277824	505.3	
lost to all IX	303943	517.3	

Potential Interfering Stations Included in above Scenario 7

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	BPCDT	20080312AEX	CP
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 12  
Scenario 8 Affected station 8  
Before Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3445088	3685.4	
not affected by terrain losses	3445088	3685.4	
lost to NTSC IX	26119	12.0	
lost to additional IX by ATV	277824	505.3	
lost to all IX	303943	517.3	

Potential Interfering Stations Included in above Scenario 8

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	DTVPLN	DTVP0673	PLN

Figure 3

After Analysis

Results for: 21N FL MIAMI, POMPANO BEACH BLTTA 20080206ADA LIC

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3445088	3685.4	
not affected by terrain losses	3445088	3685.4	
lost to NTSC IX	26119	12.0	
lost to additional IX by ATV	277824	505.3	
lost to all IX	303943	517.3	

Potential Interfering Stations Included in above Scenario 8

23N FL MIAMI	BLCT	19950710KF	LIC
35N FL MIAMI	BLCT	19921026KE	LIC
20A FL MIAMI	DTVPLN	DTVP0722	PLN
22A FL MIAMI	DTVPLN	DTVP0796	PLN
23A FL MIAMI	DTVPLN	DTVP0838	PLN
19A FL MIAMI	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	WSFL	MIAMI FL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	WPBT	MIAMI FL	1.5	LIC	BLEDT -20010712AGD
18	WPBT	MIAMI FL	1.5	PLN	DTVPLN -DTVP0636
19	WMOR-TV	LAKELAND FL	288.4	LIC	BLCDDT -20050726ABO
19	WMOR-TV	LAKELAND FL	288.4	PLN	DTVPLN -DTVP0672
20	WLRN-TV	MIAMI FL	2.9	LIC	BLEDT -20030311AEF
20	WLRN-TV	MIAMI FL	2.9	PLN	DTVPLN -DTVP0722
20	WLRN-TV	MIAMI FL	2.9	CP	BPEDT -20061219AAB

Total scenarios = 1

Result key: 13  
Scenario 1 Affected station 9  
Before Analysis

Results for: 19A FL MIAMI USERRECORD01 APP

HAAT 276.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4906800	29929.1
not affected by terrain losses	4906800	29929.1

**Figure 3**

lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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