

Census data selected: 1990

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-13-2010 Time: 09:50:46

Record Selected for Analysis

WDFL USERRECORD-01 US
Channel 11 ERP 0.3 kW HAAT 94. m RCAMSL 00094 m STRINGENT MASK
Latitude 025-10-00 Longitude 0080-22-30
Status APP Zone 2 Border
Dir Antenna Make usr Model 1 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 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)	48.0 dBu F(50,90) (km)
0.0	0.300	94.0	29.2
45.0	0.037	94.0	18.1
90.0	0.001	94.0	7.8
135.0	0.002	94.0	9.2
180.0	0.058	94.0	20.3
225.0	0.268	93.9	28.5
270.0	0.003	94.0	9.9
315.0	0.010	94.0	13.2

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
11	WDFL		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	W10CQ	KEY WEST FL	159.1	LIC	BLTVL	-20060517ABC
10	WPLG	MIAMI FL	90.4	CP	BPCDT	-20080317ABK
10	WPLG	MIAMI FL	90.4	APP	BMPCDT	-20080620AIT
11	WESH	DAYTONA BEACH FL	388.7	LIC	BMLCDT	-20040930AXX
11	WWJV-LP	JUPITER FL	198.7	CP	BDISDTL	-20060330AET
11	W11DF-D	KEY WEST FL	159.1	CP	BDCCDVL	-20061030AFN
11	WBPB-LD	PALM BEACH FL	135.3	APP	BMPDVL	-20080820ABJ
11	WBPB-LD	PALM BEACH FL	135.3	CP	BDISDVL	-20071018AQF
11	WVEA-LP	TAMPA FL	372.1	CP	BDCCDVL	-20061017AAG
12	W12DI-D	KEY WEST FL	159.1	CP	BDCCDTV	-20061012AAP
12	WPTV	WEST PALM BEACH FL	158.9	CP MOD	BMPCDT	-20080619AEL

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	W10CQ	KEY WEST FL	BLTVL	-20060517ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WPLG	MIAMI FL	223.9	CP	BPCDT	-20080317ABK
10	WPLG	MIAMI FL	223.9	PLN	DTVPLN	-DTVP0247
10	WPLG	MIAMI FL	223.9	APP	BMPCDT	-20080620AIT
10	WWCI-CA	VERO BEACH FL	366.6	CP	BDFCDVA	-20080804ADJ
11	W11DF-D	KEY WEST FL	0.0	CP	BDCCDVL	-20061030AFN
11	WDFL		159.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WPLG	MIAMI FL	BPCDT	-20080317ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	180.1	CP	BPCDT	-20080617AAB
09	WINK-TV	FORT MYERS FL	180.1	PLN	DTVPLN	-DTVP0187
09	WINK-TV	FORT MYERS FL	180.1	LIC	BLCDT	-20060531ADP
10	WTSP	ST. PETERSBURG FL	352.7	PLN	DTVPLN	-DTVP0249
10	WTSP	ST. PETERSBURG FL	352.7	CP	BPCDT	-20080408AFG
10	WTSP	ST. PETERSBURG FL	352.7	APP	BMPCDT	-20080620AMT
11	WDFL		90.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1

Scenario 1 Affected station 2 WPLG
Before Analysis

Results for: 10A FL MIAMI BPCDT 20080317ABK CP
HAAT 309.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3998623	27706.7
not affected by terrain losses	3998623	27706.7
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

After Analysis

Results for: 10A FL MIAMI BPCDT 20080317ABK CP
HAAT 309.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3998623	27706.7
not affected by terrain losses	3998623	27706.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9173	209.3
lost to ATV IX only	9173	209.3
lost to all IX	9173	209.3

Potential Interfering Stations Included in above Scenario 1

11A USERRECORD01 APP

Percent new IX = 0.2294%

Result key: 2
Scenario 2 Affected station 2 WPLG
Before Analysis

Results for: 10A FL MIAMI BPCDT 20080317ABK CP
HAAT 309.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3998623	27706.7
not affected by terrain losses	3998623	27706.7
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 2

After Analysis

Results for: 10A FL MIAMI BPCDT 20080317ABK CP
HAAT 309.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3998623	27706.7
not affected by terrain losses	3998623	27706.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9173	209.3
lost to ATV IX only	9173	209.3
lost to all IX	9173	209.3

Potential Interfering Stations Included in above Scenario 2

11A USERRECORD01 APP

Percent new IX = 0.2294%

Worst case new IX 0.2294% Scenario 1

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WPLG	MIAMI FL	BMPCDT -20080620AIT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WINK-TV	FORT MYERS FL	180.1	CP	BPCDT -20080617AAB
09	WINK-TV	FORT MYERS FL	180.1	PLN	DTVPLN -DTVP0187
09	WINK-TV	FORT MYERS FL	180.1	LIC	BLCDT -20060531ADP
10	WTSP	ST. PETERSBURG FL	352.7	PLN	DTVPLN -DTVP0249
10	WTSP	ST. PETERSBURG FL	352.7	CP	BPCDT -20080408AFG
10	WTSP	ST. PETERSBURG FL	352.7	APP	BMPCDT -20080620AMT
11	WDFL		90.4	APP	USERRECORD-01

Total scenarios = 1

Result key: 3

Scenario 1 Affected station 3 WPLG

Before Analysis

Results for: 10A FL MIAMI BMPCDT 20080620AIT APP

HAAT 309.0 m, ATV ERP 156.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4079415	36372.3
not affected by terrain losses	4079415	36372.3
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

After Analysis

Results for: 10A FL MIAMI BMPCDT 20080620AIT APP

HAAT 309.0 m, ATV ERP 156.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4079415	36372.3
not affected by terrain losses	4079415	36372.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16701	431.5
lost to ATV IX only	16701	431.5
lost to all IX	16701	431.5

Potential Interfering Stations Included in above Scenario 1

11A USERRECORD01 APP

Percent new IX = 0.4094%

Worst case new IX 0.4094% Scenario 1

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WESH	DAYTONA BEACH FL	BMLCDT -20040930AXX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WJXX	ORANGE PARK FL	191.0	LIC	BLCDDT -20041102AEE
10	WJXX	ORANGE PARK FL	191.0	PLN	DTVPLN -DTVP0248
10	WTSP	ST. PETERSBURG FL	172.9	PLN	DTVPLN -DTVP0249
10	WTSP	ST. PETERSBURG FL	172.9	CP	BPCDDT -20080408AFG
10	WTSP	ST. PETERSBURG FL	172.9	APP	BMPCDDT -20080620AMT
11	WTOC-TV	SAVANNAH GA	383.8	APP	BMPCDDT -20080619ACE
11	WTOC-TV	SAVANNAH GA	383.8	PLN	DTVPLN -DTVP0310
11	WTOC-TV	SAVANNAH GA	383.8	CP	BPCDDT -20080408AAD
12	WTVT	TAMPA FL	145.3	LIC	BLCDDT -20000501ABM
12	WTVT	TAMPA FL	145.3	PLN	DTVPLN -DTVP0367
12	WTVT	TAMPA FL	145.3	CP	BPCDDT -20080311ACM
11	WDFL		388.7	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WWJV-LP	JUPITER FL	BDISDTL -20060330AET

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WPLG	MIAMI FL	108.5	CP	BPCDDT -20080317ABK
10	WPLG	MIAMI FL	108.5	PLN	DTVPLN -DTVP0247
10	WPLG	MIAMI FL	108.5	APP	BMPCDDT -20080620AIT
10	WSWF-LP	ORLANDO FL	211.7	CP	BDISDVL -20080506AAE
10	NEW	ORLANDO FL	224.1	APP	BDCCDVL -20080918AGB
10	WWCI-CA	VERO BEACH FL	78.5	CP	BDFCDVA -20080804ADJ
11	WESH	DAYTONA BEACH FL	207.6	LIC	BMLCDT -20040930AXX
11	WESH	DAYTONA BEACH FL	207.6	PLN	DTVPLN -DTVP0309
11	W11DF-D	KEY WEST FL	314.1	CP	BDCCDVL -20061030AFN
11	WBPB-LD	PALM BEACH FL	63.5	APP	BMPDVL -20080820ABJ
11	WBPB-LD	PALM BEACH FL	63.5	CP	BDISDVL -20071018AQF
11	WVEA-LP	TAMPA FL	256.8	CP	BDCCDVL -20061017AAG
12	WPTV	WEST PALM BEACH FL	40.0	PLN	DTVPLN -DTVP0368
12	WPTV	WEST PALM BEACH FL	40.0	CP MOD	BMPCDDT -20080619AEL
11	WDFL		198.7	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	W11DF-D	KEY WEST FL	BDCCDVL -20061030AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	W10CQ	KEY WEST FL	0.0	LIC	BLTVL	-20060517ABC
11	WWJV-LP	JUPITER FL	314.1	CP	BDISDTL	-20060330AET
11	WBPB-LD	PALM BEACH FL	259.6	APP	BMPDVL	-20080820ABJ
11	WBPB-LD	PALM BEACH FL	259.6	CP	BDISDVL	-20071018AQF
11	WVEA-LP	TAMPA FL	382.7	CP	BDCCDVL	-20061017AAG
12	W12DI-D	KEY WEST FL	0.0	CP	BDCCDTV	-20061012AAP
11	WDFL		159.1	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WBPB-LD	PALM BEACH FL	BMPDVL	-20080820ABJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WPLG	MIAMI FL	45.0	CP	BPCDT	-20080317ABK
10	WPLG	MIAMI FL	45.0	PLN	DTVPLN	-DTVP0247
10	WPLG	MIAMI FL	45.0	APP	BMPCDT	-20080620AIT
10	WWCI-CA	VERO BEACH FL	138.6	CP	BDFCDVA	-20080804ADJ
11	WESH	DAYTONA BEACH FL	263.8	LIC	BMLCDT	-20040930AXX
11	WESH	DAYTONA BEACH FL	263.8	PLN	DTVPLN	-DTVP0309
11	WWJV-LP	JUPITER FL	63.5	CP	BDISDTL	-20060330AET
11	W11DF-D	KEY WEST FL	259.6	CP	BDCCDVL	-20061030AFN
11	WVEA-LP	TAMPA FL	286.1	CP	BDCCDVL	-20061017AAG
12	WPTV	WEST PALM BEACH FL	24.6	PLN	DTVPLN	-DTVP0368
12	WPTV	WEST PALM BEACH FL	24.6	CP MOD	BMPCDT	-20080619AEL
11	WDFL		135.3	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WBPB-LD	PALM BEACH FL	BDISDVL	-20071018AQF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WPLG	MIAMI FL	45.0	CP	BPCDT	-20080317ABK
10	WPLG	MIAMI FL	45.0	PLN	DTVPLN	-DTVP0247
10	WPLG	MIAMI FL	45.0	APP	BMPCDT	-20080620AIT
10	WWCI-CA	VERO BEACH FL	138.6	CP	BDFCDVA	-20080804ADJ
11	WESH	DAYTONA BEACH FL	263.8	LIC	BMLCDT	-20040930AXX
11	WESH	DAYTONA BEACH FL	263.8	PLN	DTVPLN	-DTVP0309
11	WWJV-LP	JUPITER FL	63.5	CP	BDISDTL	-20060330AET
11	W11DF-D	KEY WEST FL	259.6	CP	BDCCDVL	-20061030AFN
11	WVEA-LP	TAMPA FL	286.1	CP	BDCCDVL	-20061017AAG
12	WPTV	WEST PALM BEACH FL	24.6	PLN	DTVPLN	-DTVP0368
12	WPTV	WEST PALM BEACH FL	24.6	CP MOD	BMPCDT	-20080619AEL
11	WDFL		135.3	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WVEA-LP	TAMPA FL	BDCCDVL -20061017AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WSWF-LP	ORLANDO FL	138.6	CP	BDISDVL -20080506AAE
10	NEW	ORLANDO FL	124.5	APP	BDCCDVL -20080918AGB
10	WTSP	ST. PETERSBURG FL	39.6	PLN	DTVPLN -DTVP0249
10	WTSP	ST. PETERSBURG FL	39.6	CP	BPCDT -20080408AFG
10	WTSP	ST. PETERSBURG FL	39.6	APP	BMPCDT -20080620AMT
10	WWCI-CA	VERO BEACH FL	206.9	CP	BDFCDVA -20080804ADJ
11	WESH	DAYTONA BEACH FL	155.6	LIC	BMLCDT -20040930AXX
11	WESH	DAYTONA BEACH FL	155.6	PLN	DTVPLN -DTVP0309
11	WWJV-LP	JUPITER FL	256.8	CP	BDISDTL -20060330AET
11	W11DF-D	KEY WEST FL	382.7	CP	BDCCDVL -20061030AFN
11	WBPB-LD	PALM BEACH FL	286.1	APP	BMPDVL -20080820ABJ
11	WBPB-LD	PALM BEACH FL	286.1	CP	BDISDVL -20071018AQF
12	WTVT	TAMPA FL	25.8	LIC	BLCDT -20000501ABM
12	WTVT	TAMPA FL	25.8	PLN	DTVPLN -DTVP0367
12	WTVT	TAMPA FL	25.8	CP	BPCDT -20080311ACM
11	WDFL		372.1	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	W12DI-D	KEY WEST FL	BDCCDTV -20061012AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	W11DF-D	KEY WEST FL	0.0	CP	BDCCDVL -20061030AFN
12	WTVT	TAMPA FL	365.4	LIC	BLCDT -20000501ABM
12	WTVT	TAMPA FL	365.4	PLN	DTVPLN -DTVP0367
12	WTVT	TAMPA FL	365.4	CP	BPCDT -20080311ACM
12	WPTV	WEST PALM BEACH FL	276.6	PLN	DTVPLN -DTVP0368
12	WPTV	WEST PALM BEACH FL	276.6	CP MOD	BMPCDT -20080619AEL
11	WDFL		159.1	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	WPTV	WEST PALM BEACH FL	BMPCDT -20080619AEL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	WTVT	TAMPA FL	242.7	LIC	BLCDT -20000501ABM
12	WTVT	TAMPA FL	242.7	PLN	DTVPLN -DTVP0367

12	WTVT	TAMPA FL	242.7	CP	BPCDT	-20080311ACM
13	WPEC	WEST PALM BEACH FL	0.4	CP	BPCDT	-20080609AAU
13	WPEC	WEST PALM BEACH FL	0.4	PLN	DTVPLN	-DTVP0428
13	WPEC	WEST PALM BEACH FL	0.4	LIC	BLCDT	-20021216AAU
11	WDFL		158.9	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WDFL		USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WPLG	MIAMI FL	90.4	CP	BPCDT -20080317ABK
10	WPLG	MIAMI FL	90.4	PLN	DTVPLN -DTVP0247
10	WPLG	MIAMI FL	90.4	APP	BMPCDT -20080620AIT
11	WESH	DAYTONA BEACH FL	388.7	LIC	BMLCDT -20040930AXX
11	WESH	DAYTONA BEACH FL	388.7	PLN	DTVPLN -DTVP0309
11	WWJV-LP	JUPITER FL	198.7	CP	BDISDTL -20060330AET
11	W11DF-D	KEY WEST FL	159.1	CP	BDCCDVL -20061030AFN
11	WBPB-LD	PALM BEACH FL	135.3	APP	BMPDVL -20080820ABJ
11	WBPB-LD	PALM BEACH FL	135.3	CP	BDISDVL -20071018AQF
11	WVEA-LP	TAMPA FL	372.1	CP	BDCCDVL -20061017AAG
12	W12DI-D	KEY WEST FL	159.1	CP	BDCCDTV -20061012AAP

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 12 WDFL
Before Analysis

Results for: 11A USERRECORD01 APP

HAAT 94.0 m, ATV ERP 0.3 kW	
	POPULATION AREA (sq km)
within Noise Limited Contour	18476 1112.0
not affected by terrain losses	18476 1112.0
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

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED