

Percent allowed new interference: 0.000
Percent allowed new interference to Class A: 0.000
TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-19-2008 Time: 11:27:59

Record Selected for Analysis

WPLG USERRECORD-01 MIAMI FL US
Channel 10 ERP 156. kW HAAT 309. m RCAMSL 00311 m
Latitude 025-58-00 Longitude 0080-12-43
Status APP Zone 3 Border
Dir Antenna Make usr Model DIE_WPLG_PT Beam tilt N Ref Azimuth 0.
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

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	149.517	308.0	116.2
45.0	79.751	309.0	110.2
90.0	22.764	310.4	99.4
135.0	40.337	310.1	104.2
180.0	149.517	309.0	116.3
225.0	79.751	309.0	110.2
270.0	22.764	308.0	99.3

315.0 40.337 308.0 104.0

Evaluation toward Class A Stations

Contour overlap to Class A station

WWCI-CA 10 VERO BEACH FL BLTVA 20020726AAE

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WPLG 10 MIAMI FL USERRECORD01

and station

SHORT TO: WPLG 10 MIAMI FL BPCDT 20080317ABK
025-58- 0 0080-12-43
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

SHORT TO: WPLG 10 MIAMI FL DTVPLN DTVP0247
25 -57-59 80 -12-44
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

SHORT TO: WPLG 10 MIAMI FL BLCT 19990218KE
025-57-59 0080-12-44
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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
10	WPLG	MIAMI FL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	180.1	LIC	BLCDT	-20060531ADP
09	WINK-TV	FORT MYERS FL	180.1	PLN	DTVPLN	-DTVP0187
10	WTSP	ST. PETERSBURG FL	352.7	CP	BPCDT	-20080408AFG
10	WTSP	ST. PETERSBURG FL	352.7	PLN	DTVPLN	-DTVP0249
10	WWCI-CA	VERO BEACH FL	182.6	LIC	BLTVA	-20020726AAE

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	BLCDT	-20060531ADP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	NEW10	GAINESVILLE FL	324.3	CP	BPCDT	-20080317ABJ
09	NEW	GAINESVILLE FL	324.3	PLN	DTVPLN	-DTVP0188
10	WPLG	MIAMI FL	180.1	PLN	DTVPLN	-DTVP0247
10	WTSP	ST. PETERSBURG FL	182.6	CP	BPCDT	-20080408AFG
10	WTSP	ST. PETERSBURG FL	182.6	PLN	DTVPLN	-DTVP0249
10	WPLG	MIAMI FL	180.1	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.
09	WINK-TV	FORT MYERS FL	DTVPLN	-DTVP0187

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	NEW10	GAINESVILLE FL	324.3	CP	BPCDT	-20080317ABJ
09	NEW	GAINESVILLE FL	324.3	PLN	DTVPLN	-DTVP0188
10	WPLG	MIAMI FL	180.1	PLN	DTVPLN	-DTVP0247
10	WTSP	ST. PETERSBURG FL	182.6	CP	BPCDT	-20080408AFG
10	WTSP	ST. PETERSBURG FL	182.6	PLN	DTVPLN	-DTVP0249
10	WPLG	MIAMI FL	180.1	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.
10	WTSP	ST. PETERSBURG FL	BPCDT	-20080408AFG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	182.6	LIC	BLCDDT	-20060531ADP
09	WINK-TV	FORT MYERS FL	182.6	PLN	DTVPLN	-DTVP0187
09	NEW10	GAINESVILLE FL	161.7	CP	BPCDDT	-20080317ABJ
09	NEW	GAINESVILLE FL	161.7	PLN	DTVPLN	-DTVP0188
10	WPLG	MIAMI FL	352.7	PLN	DTVPLN	-DTVP0247
10	WJXX	ORANGE PARK FL	260.0	LIC	BLCDDT	-20041102AEE
10	WJXX	ORANGE PARK FL	260.0	PLN	DTVPLN	-DTVP0248
10	WALB	ALBANY GA	365.5	PLN	DTVPLN	-DTVP0250
10	WALB	ALBANY GA	365.5	CP	BPCDDT	-20080509AAP
11	WESH	DAYTONA BEACH FL	172.9	LIC	BMLCDDT	-20040930AXX
11	WESH	DAYTONA BEACH FL	172.9	PLN	DTVPLN	-DTVP0309
10	WPLG	MIAMI FL	352.7	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 10A FL ST. PETERSBURG BPCDDT 20080408AFG CP
HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12113	99.7
lost to ATV IX only	12113	99.7
lost to all IX	12113	99.7

Potential Interfering Stations Included in above Scenario 1

10A FL ORANGE PARK	BLCDDT	20041102AEE	LIC
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	BMLCDDT	20040930AXX	LIC
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP

HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17119	123.6
lost to ATV IX only	17119	123.6
lost to all IX	17119	123.6

Potential Interfering Stations Included in above Scenario 1

10A FL ORANGE PARK	BLCDT	20041102AEE	LIC
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	BMLCDT	20040930AXX	LIC
10A FL MIAMI	USERRECORD01		APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 1

10D FL ST. PETERSBURG BPCDT 20080408AFG
ERP 17.90 kW HAAT 457.0 m RCAMSL 461.0 m
Antenna CDB 0000000085929

Percent new interference from proposal: 0.1450 to BPCDT 20080408AFG

Result key: 2
Scenario 2 Affected station 3
Before Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP

HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9

not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12113	99.7
lost to ATV IX only	12113	99.7
lost to all IX	12113	99.7

Potential Interfering Stations Included in above Scenario 2

10A FL ORANGE PARK	BLCDT	20041102AEE	LIC
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	DTVPLN	DTVP0309	PLN
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP
 HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17119	123.6
lost to ATV IX only	17119	123.6
lost to all IX	17119	123.6

Potential Interfering Stations Included in above Scenario 2

10A FL ORANGE PARK	BLCDT	20041102AEE	LIC
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	DTVPLN	DTVP0309	PLN
10A FL MIAMI	USERRECORD01		APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
 ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
 Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 2

10D FL ST. PETERSBURG BPCDT 20080408AFG
 ERP 17.90 kW HAAT 457.0 m RCAMSL 461.0 m

Antenna CDB 00000000085929

Percent new interference from proposal: 0.1450 to BPCDT 20080408AFG

Result key: 3
Scenario 3 Affected station 3
Before Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP
HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12166	103.7
lost to ATV IX only	12166	103.7
lost to all IX	12166	103.7

Potential Interfering Stations Included in above Scenario 3

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	BMLCDT	20040930AXX	LIC
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP
HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17172	127.6
lost to ATV IX only	17172	127.6
lost to all IX	17172	127.6

Potential Interfering Stations Included in above Scenario 3

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	BMLCDT	20040930AXX	LIC
10A FL MIAMI	USERRECORD01		APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
 ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
 Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 3

10D FL ST. PETERSBURG BPCDT 20080408AFG
 ERP 17.90 kW HAAT 457.0 m RCAMSL 461.0 m
 Antenna CDB 00000000085929

Percent new interference from proposal: 0.1450 to BPCDT 20080408AFG

Result key: 4
 Scenario 4 Affected station 3
 Before Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP
 HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12166	103.7
lost to ATV IX only	12166	103.7
lost to all IX	12166	103.7

Potential Interfering Stations Included in above Scenario 4

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	DTVPLN	DTVP0309	PLN
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG BPCDT 20080408AFG CP
HAAT 457.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3466196	34104.9
not affected by terrain losses	3464875	34085.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17172	127.6
lost to ATV IX only	17172	127.6
lost to all IX	17172	127.6

Potential Interfering Stations Included in above Scenario 4

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A GA ALBANY	DTVPLN	DTVP0250	PLN
11A FL DAYTONA BEACH	DTVPLN	DTVP0309	PLN
10A FL MIAMI	USERRECORD01		APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 4

10D FL ST. PETERSBURG BPCDT 20080408AFG
ERP 17.90 kW HAAT 457.0 m RCAMSL 461.0 m
Antenna CDB 0000000085929

Percent new interference from proposal: 0.1450 to BPCDT 20080408AFG

Worst case new IX 0.1450% Scenario 3

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WTSP	ST. PETERSBURG FL	DTVPLN	-DTVP0249

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	182.6	LIC	BLCDDT	-20060531ADP
09	WINK-TV	FORT MYERS FL	182.6	PLN	DTVPLN	-DTVP0187
09	NEW10	GAINESVILLE FL	161.7	CP	BPCDDT	-20080317ABJ
09	NEW	GAINESVILLE FL	161.7	PLN	DTVPLN	-DTVP0188
10	WPLG	MIAMI FL	352.7	PLN	DTVPLN	-DTVP0247
10	WJXX	ORANGE PARK FL	260.0	LIC	BLCDDT	-20041102AEE
10	WJXX	ORANGE PARK FL	260.0	PLN	DTVPLN	-DTVP0248
10	WALB	ALBANY GA	365.5	PLN	DTVPLN	-DTVP0250
10	WALB	ALBANY GA	365.5	CP	BPCDDT	-20080509AAP
11	WESH	DAYTONA BEACH FL	172.9	LIC	BMLCDDT	-20040930AXX
11	WESH	DAYTONA BEACH FL	172.9	PLN	DTVPLN	-DTVP0309
10	WPLG	MIAMI FL	352.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 4
Before Analysis

Results for: 10A FL ST. PETERSBURG DTVPLN DTVP0249 PLN
HAAT 458.0 m, ATV ERP 18.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3463409	33341.9
not affected by terrain losses	3454301	33318.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	67.8
lost to ATV IX only	7196	67.8
lost to all IX	7196	67.8

Potential Interfering Stations Included in above Scenario 1

10A FL ORANGE PARK	BLCDDT	20041102AEE	LIC
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG DTVPLN DTVP0249 PLN
HAAT 458.0 m, ATV ERP 18.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3463409	33341.9
not affected by terrain losses	3454301	33318.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7841	87.7
lost to ATV IX only	7841	87.7
lost to all IX	7841	87.7

Potential Interfering Stations Included in above Scenario 1

10A FL ORANGE PARK BLCDT 20041102AEE LIC
10A FL MIAMI USERRECORD01 APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 1

10D FL ST. PETERSBURG DTVPLN DTVP0249
ERP 18.13 kW HAAT 458.0 m RCAMSL 462.0 m
Antenna CDB 00000000084846

Percent new interference from proposal: 0.0187 to DTVPLN DTVP0249

Result key: 6
Scenario 2 Affected station 4
Before Analysis

Results for: 10A FL ST. PETERSBURG DTVPLN DTVP0249 PLN
HAAT 458.0 m, ATV ERP 18.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3463409	33341.9
not affected by terrain losses	3454301	33318.0

lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	67.8
lost to ATV IX only	7196	67.8
lost to all IX	7196	67.8

Potential Interfering Stations Included in above Scenario 2

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A FL MIAMI	DTVPLN	DTVP0247	PLN

After Analysis

Results for: 10A FL ST. PETERSBURG DTVPLN DTVP0249 PLN
 HAAT 458.0 m, ATV ERP 18.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3463409	33341.9
not affected by terrain losses	3454301	33318.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7841	87.7
lost to ATV IX only	7841	87.7
lost to all IX	7841	87.7

Potential Interfering Stations Included in above Scenario 2

10A FL ORANGE PARK	DTVPLN	DTVP0248	PLN
10A FL MIAMI	USERRECORD01		APP

The following station failed the de minimis interference criteria.

10D FL MIAMI USERRECORD01
 ERP 156.00 kW HAAT 309.0 m RCAMSL 311.0 m
 Antenna usr DIE_WPLG_PT

Due to interference to the following station and scenario: 2

10D FL ST. PETERSBURG DTVPLN DTVP0249
 ERP 18.13 kW HAAT 458.0 m RCAMSL 462.0 m
 Antenna CDB 00000000084846

Percent new interference from proposal: 0.0187 to DTVPLN DTVP0249

Worst case new IX 0.0187% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WWCI-CA	VERO BEACH FL	BLTVA -20020726AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WFTV	ORLANDO FL	130.7	LIC	BLCT -19991028AAY
10	WPLG	MIAMI FL	182.6	CP	BPCDT -20080317ABK
10	WPLG	MIAMI FL	182.6	PLN	DTVPLN -DTVP0247
10	WPLG	MIAMI FL	182.6	LIC	BLCT -19990218KE
10	WJXX	ORANGE PARK FL	317.7	LIC	BLCDDT -20041102AEE
10	WJXX	ORANGE PARK FL	317.7	PLN	DTVPLN -DTVP0248
10	WTSP	ST. PETERSBURG FL	241.5	CP	BPCDT -20080408AFG
10	WTSP	ST. PETERSBURG FL	241.5	PLN	DTVPLN -DTVP0249
10	WTSP	ST. PETERSBURG FL	241.5	CP	BPCT -20041025ADK
11	WESH	DAYTONA BEACH FL	129.8	LIC	BMLCDDT -20040930AXX
11	WESH	DAYTONA BEACH FL	129.8	PLN	DTVPLN -DTVP0309
10	WPLG	MIAMI FL	182.6	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.
10	WPLG	MIAMI FL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WINK-TV	FORT MYERS FL	180.1	LIC	BLCDDT	-20060531ADP
09	WINK-TV	FORT MYERS FL	180.1	PLN	DTVPLN	-DTVP0187
10	WTSP	ST. PETERSBURG FL	352.7	CP	BPCDDT	-20080408AFG
10	WTSP	ST. PETERSBURG FL	352.7	PLN	DTVPLN	-DTVP0249

Total scenarios = 1

Result key: 7
Scenario 1 Affected station 6
Before Analysis

Results for: 10A FL MIAMI USERRECORD01 APP

HAAT 309.0 m, ATV ERP 156.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5032247	36399.1
not affected by terrain losses	5032247	36399.1
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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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED