

Post-Transition Interference Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000

Post Transition Data Base Selected
/export/home/cdbs/tvdb.sff_B
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WRDQDTPT USERRECORD-01 ORLANDO FL US
Channel 27 ERP 1000. kW HAAT 477. m RCAMSL 00489 m
Latitude 028-34-07 Longitude 0081-03-16
Status APP Zone 3 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 does not meet maximum height/power limits
Channel 27 ERP = 1000.00 HAAT = 477.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	483.5	113.3
45.0	1000.000	486.8	113.6
90.0	1000.000	485.4	113.5
135.0	1000.000	479.8	113.0
180.0	1000.000	468.2	112.1
225.0	1000.000	470.8	112.3
270.0	1000.000	471.7	112.4
315.0	1000.000	473.9	112.6

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Post-Transition Interference Analysis

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

	Proposed Station			
Channel	Call	City/State		ARN
27	WRDQDTPT	ORLANDO FL		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WKMG-TV	ORLANDO FL	4.6	LIC	BDTV	-0348
27	WTXL-TV	TALLAHASSEE FL	365.8	LIC	BDTV	-0368
27	WXEL-TV	WEST PALM BEACH FL	235.4	LIC	BDTV	-0382
28	WGFL	HIGH SPRINGS FL	188.9	LIC	BDTV	-0311
26	WKMGDTPT	ORLANDO FL	4.6	APP	USERRECORD-02	
27	WTXLDT	TALLAHASSEE FL	365.7	APP	USERRECORD-03	

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	WKMG-TV	ORLANDO FL	BDTV	-0348

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WVEA-TV	VENICE FL	146.8	LIC	BDTV	-0379
27	WRDQ	ORLANDO FL	4.6	LIC	BDTV	-0349
27	WRDQDTPT	ORLANDO FL	4.6	APP	USERRECORD-01	

Total scenarios = 1

Result key:

1

Scenario 1 Affected station 1
Before Analysis

Results for: 26A FL ORLANDO BDTV 0348 LIC
HAAT 516.0 m, ATV ERP 547.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2964724	35744.6
not affected by terrain losses	2964724	35744.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4552	12.1

Post-Transition Interference Analysis

27 WXEL-TV WEST PALM BEACH FL BDTV -0382

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WFLX	WEST PALM BEACH FL	0.0	LIC	BDTV	-0383
27	WRDQ	ORLANDO FL	235.4	LIC	BDTV	-0349
27	WRDQDTPT	ORLANDO FL	235.4	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 3
 Before Analysis

Results for: 27A FL WEST PALM BEACH BDTV 0382 LIC
 HAAT 440.0 m, ATV ERP 400.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4992027	26429.0
not affected by terrain losses	4992027	26429.0
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

After Analysis

Results for: 27A FL WEST PALM BEACH BDTV 0382 LIC
 HAAT 440.0 m, ATV ERP 400.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4992027	26429.0
not affected by terrain losses	4992027	26429.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	459	35.9
lost to ATV IX only	459	35.9
lost to all IX	459	35.9

Potential Interfering Stations Included in above Scenario 1

27A FL ORLANDO USERRECORD01 APP

Percent new IX = 0.0092%

Worst case new IX 0.0092% Scenario 1

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
---------	------	------------	-------------	----------

Post-Transition Interference Analysis

28 WGFL HIGH SPRINGS FL BDTV -0311

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WRDQ	ORLANDO FL	188.9	LIC	BDTV	-0349
27	WTXL-TV	TALLAHASSEE FL	177.0	LIC	BDTV	-0368
28	WFLX	WEST PALM BEACH FL	409.1	LIC	BDTV	-0383
28	WTGS	HARDEEVILLE SC	293.2	LIC	BDTV	-1408
29	WFTS-TV	TAMPA FL	201.0	LIC	BDTV	-0374
27	WRDQDTPT	ORLANDO FL	188.9	APP	USERRECORD-01	
27	WTXLDT	TALLAHASSEE FL	176.9	APP	USERRECORD-03	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	WKMGDTPT	ORLANDO FL	USERRECORD-02	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WVEA-TV	VENICE FL	146.8	LIC	BDTV	-0379
27	WRDQ	ORLANDO FL	4.6	LIC	BDTV	-0349
27	WRDQDTPT	ORLANDO FL	4.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
 Scenario 1 Affected station 5
 Before Analysis

Results for: 26A FL ORLANDO USERRECORD02 APP

	POPULATION	AREA (sq km)
HAAT 516.0 m, ATV ERP 810.0 kW		
within Noise Limited Contour	2981965	35865.6
not affected by terrain losses	2981965	35865.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5596	8.1
lost to ATV IX only	5596	8.1
lost to all IX	5596	8.1

Potential Interfering Stations Included in above Scenario 1

27A FL ORLANDO BDTV 0349 LIC

After Analysis

Results for: 26A FL ORLANDO USERRECORD02 APP

HAAT 516.0 m, ATV ERP 810.0 kW

Post-Transition Interference Analysis

	POPULATION	AREA (sq km)
within Noise Limited Contour	2981965	35865.6
not affected by terrain losses	2981965	35865.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9941	36.2
lost to ATV IX only	9941	36.2
lost to all IX	9941	36.2

Potential Interfering Stations Included in above Scenario 1

27A FL ORLANDO USERRECORD01 APP

Percent new IX = 0.1460%

Worst case new IX 0.1460% Scenario 1

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	WTXLDT	TALLAHASSEE FL	USERRECORD-03

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WKRG-TV	MOBILE AL	369.1	LIC	BDTV -0047
27	WAIQ	MONTGOMERY AL	291.1	LIC	BDTV -0051
27	WAGA	ATLANTA GA	349.6	LIC	BDTV -0393
28	WGFL	HIGH SPRINGS FL	176.9	LIC	BDTV -0311
27	WRDQ	ORLANDO FL	365.7	LIC	BDTV -0349
27	WRDQDTPT	ORLANDO FL	365.7	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.
27	WRDQDTPT	ORLANDO FL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WKMG-TV	ORLANDO FL	4.6	LIC	BDTV -0348
27	WTXL-TV	TALLAHASSEE FL	365.8	LIC	BDTV -0368
27	WXEL-TV	WEST PALM BEACH FL	235.4	LIC	BDTV -0382
28	WGFL	HIGH SPRINGS FL	188.9	LIC	BDTV -0311
26	WKMGDTPT	ORLANDO FL	4.6	APP	USERRECORD-02
27	WTXLDT	TALLAHASSEE FL	365.7	APP	USERRECORD-03

Post-Transition Interference Analysis

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 7
Before Analysis

Results for: 27A FL ORLANDO USERRECORD01 APP
HAAT 477.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3264319	41608.3
not affected by terrain losses	3264314	41584.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5272	237.6
lost to ATV IX only	5272	237.6
lost to all IX	5272	237.6

Potential Interfering Stations Included in above Scenario 1

27A FL WEST PALM BEACH BDTV 0382 LIC

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED