

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-06-2009 Time: 17:50:08

Record Selected for Analysis

W47AL USERRECORD-01 ORLANDO FL US
Channel 47 ERP 6.5 kW HAAT 30. m RCAMSL 00045 m
Latitude 028-28-00 Longitude 0081-22-28
Status APP Zone 2 Border Offset Z
Dir Antenna Make usr Model AND_ALPE Beam tilt N Ref Azimuth 340.
Last update Cutoff date Docket
Comments
Applicant

Census data selected: 2000

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)	74.0 dBu F(50,50) (km)
0.0	6.487	33.0	7.4
45.0	5.466	33.0	7.1
90.0	2.317	33.0	5.8
135.0	0.273	33.0	3.4
180.0	0.320	33.0	3.5
225.0	1.871	33.0	5.5
270.0	5.149	33.0	7.0
315.0	6.487	33.0	7.4

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 0.03km from AM station

PINE CASTLE-SKY LAKE FL WAJL Status: Antenna: NDD

Proposed station is 0.03km from AM station

PINE CASTLE SKY LAKE FL WAMT Status: Antenna: DAN

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

Start of Interference Analysis

Channel	Call	City/State	ARN
47	W47AL	ORLANDO FL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WTGL	LEESBURG FL	31.5	LIC	BLEDT	-20050915ALL
46	WTGL	LEESBURG FL	31.5	CP	BPEDT	-20080612AAG
47	W47AL	ORLANDO FL	23.5	LIC	BLTTTL	-19991217ABN
47	WFTT-TV	TAMPA FL	111.3	LIC	BLCDDT	-20060912ADB
47	WFTT-TV	TAMPA FL	111.1	CP	BPCDDT	-20080902ADT
48	WOPX	MELBOURNE FL	48.1	LIC	BLCDDT	-20020510AAH

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	WTGL	LEESBURG FL	BLEDT	-20050915ALL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	WXCW	NAPLES FL	212.1	LIC	BLCDDT	-20021030ACB
45	WXCW	NAPLES FL	212.1	PLN	DTVPLN	-DTVP1606
46	WHFT-TV	MIAMI FL	302.0	LIC	BLCDDT	-20060221ACH
46	WHFT-TV	MIAMI FL	302.0	PLN	DTVPLN	-DTVP1641
46	WHFT-TV	MIAMI FL	302.0	CP	BPCDDT	-20080618ATK
46	WCTV	THOMASVILLE GA	360.4	LIC	BLCDDT	-20050815AAA
46	WCTV	THOMASVILLE GA	360.4	PLN	DTVPLN	-DTVP1642
47	WFTT-TV	TAMPA FL	142.1	LIC	BLCDDT	-20060912ADB
47	WFTT-TV	TAMPA FL	142.1	PLN	DTVPLN	-DTVP1670
47	WFTT-TV	TAMPA FL	141.9	CP	BPCDDT	-20080902ADT
47	W47AL	ORLANDO FL	31.5	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.
46	WTGL	LEESBURG FL	BPEDT	-20080612AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	WXCW	NAPLES FL	212.1	LIC	BLCDDT	-20021030ACB

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

45	WXCW	NAPLES FL	212.1	PLN	DTVPLN	-DTVP1606
46	WHFT-TV	MIAMI FL	302.0	LIC	BLCDDT	-20060221ACH
46	WHFT-TV	MIAMI FL	302.0	PLN	DTVPLN	-DTVP1641
46	WHFT-TV	MIAMI FL	302.0	CP	BPCDDT	-20080618ATK
46	WCTV	THOMASVILLE GA	360.4	LIC	BLCDDT	-20050815AAA
46	WCTV	THOMASVILLE GA	360.4	PLN	DTVPLN	-DTVP1642
47	WFTT-TV	TAMPA FL	142.1	LIC	BLCDDT	-20060912ADB
47	WFTT-TV	TAMPA FL	142.1	PLN	DTVPLN	-DTVP1670
47	WFTT-TV	TAMPA FL	141.9	CP	BPCDDT	-20080902ADT
47	W47AL	ORLANDO FL	31.5	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.
47	W47AL	ORLANDO FL	BLTTL -19991217ABN

(NOTE: AFFECTED STATION IS THE STATION BEING MODIFIED BY THIS PROPOSAL. THE STUDIES TO THIS AFFECTED STATION ARE, THEREFORE, REMOVED.)

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	WFTT-TV	TAMPA FL	BLCDDT -20060912ADB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	WTGL	LEESBURG FL	142.1	LIC	BLEDT -20050915ALL
46	WTGL	LEESBURG FL	142.1	PLN	DTVPLN -DTVP1640
46	WTGL	LEESBURG FL	142.1	CP	BPEDT -20080612AAG
47	WAMI-TV	HOLLYWOOD FL	290.9	LIC	BLCDDT -20021015ABJ
47	WAMI-TV	HOLLYWOOD FL	290.9	PLN	DTVPLN -DTVP1668
47	WAMI-TV	HOLLYWOOD FL	290.9	CP	BPCDDT -20060113ACR
48	WFXU	LIVE OAK FL	223.2	APP	BPCDDT -20080617ABP
48	WOPX	MELBOURNE FL	142.1	APP	BPCDDT -20080620AKI
48	WOPX	MELBOURNE FL	115.2	PLN	DTVPLN -DTVP1705
48	WOPX	MELBOURNE FL	115.2	LIC	BLCDDT -20020510AAH
47	W47AL	ORLANDO FL	111.3	APP	USERRECORD-01

Total scenarios = 15

Result key: 13

Scenario 1 Affected station 4 WFTT-TV

Before Analysis

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

Results for: 47A FL TAMPA BLCDT 20060912ADB LIC
 HAAT 317.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3459342	23138.8
not affected by terrain losses	3459213	23135.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10380	152.7
lost to ATV IX only	10380	152.7
lost to all IX	10380	152.7

Potential Interfering Stations Included in above Scenario 1

46A FL LEESBURG	BLEDT	20050915ALL	LIC
48A FL MELBOURNE	DTVPLN	DTVP1705	PLN

After Analysis

Results for: 47A FL TAMPA BLCDT 20060912ADB LIC
 HAAT 317.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3459342	23138.8
not affected by terrain losses	3459213	23135.8
lost to NTSC IX	40	10.0
lost to additional IX by ATV	10340	142.7
lost to ATV IX only	10380	152.7
lost to all IX	10380	152.7

Potential Interfering Stations Included in above Scenario 1

46A FL LEESBURG	BLEDT	20050915ALL	LIC
48A FL MELBOURNE	DTVPLN	DTVP1705	PLN
47N FL ORLANDO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

(NOTE: WORST-CASE SCENARIO TO THIS AFFECTED STATION IS SHOWN—ALL OTHERS HAVE BEEN REMOVE. ALL REMOVED SCENARIOS SHOW THE SAME OR LESS NEW INTERFERENCE THAN SHOWN BY THE WORST-CASE SCENARIO.)

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	WFTT-TV	TAMPA FL	BPCDT	-20080902ADT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WTGL	LEESBURG FL	141.9	LIC	BLEDT	-20050915ALL
46	WTGL	LEESBURG FL	141.9	PLN	DTVPLN	-DTVP1640
46	WTGL	LEESBURG FL	141.9	CP	BPEDT	-20080612AAG

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

47	WAMI-TV	HOLLYWOOD FL	291.4	LIC	BLCDDT	-20021015ABJ
47	WAMI-TV	HOLLYWOOD FL	291.4	PLN	DTVPLN	-DTVP1668
47	WAMI-TV	HOLLYWOOD FL	291.4	CP	BPCDDT	-20060113ACR
48	WFXU	LIVE OAK FL	222.6	APP	BPCDDT	-20080617ABP
48	WOPX	MELBOURNE FL	141.9	APP	BPCDDT	-20080620AKI
48	WOPX	MELBOURNE FL	115.2	PLN	DTVPLN	-DTVP1705
48	WOPX	MELBOURNE FL	115.2	LIC	BLCDDT	-20020510AAH
47	W47AL	ORLANDO FL	111.1	APP	USERRECORD-01	

Total scenarios = 45

Result key: 28
 Scenario 1 Affected station 5 WFTT-TV
 Before Analysis

Results for: 47A FL TAMPA BPCDDT 20080902ADT CP
 HAAT 387.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3628695	27757.6
not affected by terrain losses	3628687	27752.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25866	477.0
lost to ATV IX only	25866	477.0
lost to all IX	25866	477.0

Potential Interfering Stations Included in above Scenario 1

46A FL LEESBURG	BLEDDT	20050915ALL	LIC
47A FL HOLLYWOOD	BLCDDT	20021015ABJ	LIC
48A FL MELBOURNE	DTVPLN	DTVP1705	PLN

After Analysis

Results for: 47A FL TAMPA BPCDDT 20080902ADT CP
 HAAT 387.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3628695	27757.6
not affected by terrain losses	3628687	27752.6
lost to NTSC IX	931	21.0
lost to additional IX by ATV	24935	457.1
lost to ATV IX only	25866	477.0
lost to all IX	25866	478.0

Potential Interfering Stations Included in above Scenario 1

46A FL LEESBURG	BLEDDT	20050915ALL	LIC
47A FL HOLLYWOOD	BLCDDT	20021015ABJ	LIC
48A FL MELBOURNE	DTVPLN	DTVP1705	PLN
47N FL ORLANDO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

FIGURE 3 – POST-TRANSITION OET-69 SHOWING FOR W47AL, ORLANDO, FL, 47z (ANALOG)

(NOTE: WORST-CASE SCENARIO TO THIS AFFECTED STATION IS SHOWN—ALL OTHERS HAVE BEEN REMOVE. ALL REMOVED SCENARIOS SHOW THE SAME OR LESS NEW INTERFERENCE THAN SHOWN BY THE WORST-CASE SCENARIO.)

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WOPX	MELBOURNE FL	BLCDT	-20020510AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WFTT-TV	TAMPA FL	115.2	LIC	BLCDT	-20060912ADB
47	WFTT-TV	TAMPA FL	115.2	PLN	DTVPLN	-DTVP1670
47	WFTT-TV	TAMPA FL	115.2	CP	BPCDT	-20080902ADT
48	WFXU	LIVE OAK FL	328.7	LIC	BLCDT	-20071113ACD
48	WFXU	LIVE OAK FL	398.4	PLN	DTVPLN	-DTVP1704
48	WFXU	LIVE OAK FL	245.4	APP	BPCDT	-20080617ABP
49	WVEN-TV	DAYTONA BEACH FL	93.9	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	93.9	PLN	DTVPLN	-DTVP1734
49	WFGC	PALM BEACH FL	173.5	LIC	BLCDT	-20060627ABB
49	WFGC	PALM BEACH FL	173.5	PLN	DTVPLN	-DTVP1736
47	W47AL	ORLANDO FL	48.1	APP	USERRECORD-01	

Proposal causes no interference

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