

OET-69 Interference Analysis (WFTV, Orlando, FL, Channel 39)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-03-2011

Record Selected for Analysis

WFTV USERRECORD-01 ORLANDO FL US
Channel 39 ERP 1000. kW HAAT 489. m RCAMSL 00501 m
Latitude 028-34-04 Longitude 0081-03-16
Status APP Zone 3 Border Site number: 01
Dir Antenna Make usr Model WFTV 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 (site # 01) does not meet maximum height/power limits
Channel 39 ERP = 1000.00 HAAT = 489.

Site number 1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	413.449	495.4	105.6
45.0	351.649	498.8	104.4
90.0	408.321	497.3	105.7
135.0	352.242	491.8	103.8
180.0	410.881	480.2	104.3
225.0	343.396	482.8	102.8
270.0	409.600	483.7	104.6
315.0	343.982	485.8	103.1

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station
WZZX-CA 36 ORLANDO, ETC. FL BLTTA 20040528AAT

Contour overlap to Class A station
WHDO-CA 38 ORLANDO FL BLTTA 20080321ACD

Contour overlap to Class A station
WHDO-CA 38 ORLANDO FL BPTTA 20080804AFI

Class A Evaluation Complete

Checks to Site Number 01

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

OET-69 Interference Analysis (WFTV, Orlando, FL, Channel 39)

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
39	WFTV	ORLANDO FL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTMO-CA	ORLANDO FL	39.5	LIC	BLTT 19980529JK
36	WZXZ-CA	ORLANDO, ETC. FL	2.5	LIC	BLTTA 20040528AAT
38	WTCE-TV	FORT PIERCE FL	191.9	LIC	BLEDT 20090820ACI
38	WHDO-CA	ORLANDO FL	43.0	LIC	BLTTA 20080321ACD
38	WHDO-CA	ORLANDO FL	39.4	CP	BPTTA 20080804AFI
38	WSPF-CA	ST. PETERSBURG FL	173.5	CP	BDISDTA 20100407AAC
39	WSAV-TV	SAVANNAH GA	388.7	LIC	BLCDT 20050705AAP
40	WACX	LEESBURG FL	3.5	LIC	BLCDT 20060117ACC

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WTMO-CA	ORLANDO FL	BLTT -19980529JK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WMFE-TV	ORLANDO FL	35.5	LIC	BLEDT -20090225ABF
27	WRDQ	ORLANDO FL	39.5	LIC	BLCDT -20090612ADN
27	WRDQ	ORLANDO FL	39.5	CP MOD	BMPCDT -20080619AGB
29	WFTS-TV	TAMPA FL	115.9	LIC	BLCDT -20090320AGN
30	WBCC	COCOA FL	38.8	LIC	BLEDT -20030429ABH
31	WGCU	FORT MYERS FL	201.3	LIC	BLEDT -20080922AEM
31	WGCU	FORT MYERS FL	201.3	CP	BPEDT -20100505AFP
31	WTVJ	MIAMI FL	317.5	LIC	BLCDT -20030707ABG
31	WOGX	OCALA FL	119.1	LIC	BLCDT -20020730ABS
31	W31CZ-D	TAMPA FL	117.6	LIC	BLDTL -20100827AAE
32	WTTA	ST. PETERSBURG FL	115.9	CP MOD	BMPCDT -20100129AEE
32	WTTA-DR	ST. PETERSBURG FL	115.9	APP	BPRM -20090820ADU
33	WDSC-TV	NEW SMYRNA BEACH FL	38.8	LIC	BLEDT -20050121AKU
34	WUSF-TV	TAMPA FL	115.5	LIC	BLEDT -20060913ABQ
39	WFTV	ORLANDO FL	39.5	PLN	DTVPLN -DTVPL389
46	WTGL	LEESBURG FL	36.6	LIC	BLEDT -20090402AHH
39	WFTV	ORLANDO FL	39.5	APP	USERRECORD-01

Proposal causes no interference

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
36	WZXZ-CA	ORLANDO, ETC. FL	BLTTA -20040528AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WFTS-TV	TAMPA FL	142.4	LIC	BLCDT -20090320AGN
32	WTTA	ST. PETERSBURG FL	142.4	CP MOD	BMPCDT -20100129AEE
32	WTTA-DR	ST. PETERSBURG FL	142.4	APP	BPRM -20090820ADU
33	WDSC-TV	NEW SMYRNA BEACH FL	3.5	LIC	BLEDT -20050121AKU
34	WUSF-TV	TAMPA FL	142.1	LIC	BLEDT -20060913ABQ
35	WRCF-LP	ORLANDO FL	0.0	CP	BDISDTA -20090615AAJ
36	WUFT	GAINESVILLE FL	179.2	LIC	BLEDT -20040304AAF
36	WPXP-TV	LAKE WORTH FL	237.2	LIC	BLCDT -20030808ABE
36	DWLWA-LD	LAKELAND FL	92.6	CP	BDCCDTL -20061012AAY
36	W36DV-D	SEBASTIAN FL	109.9	CP	BNPDTL -20090825BUM
39	WFTV	ORLANDO FL	2.5	PLN	DTVPLN -DTVPL389
40	WACX	LEESBURG FL	1.0	LIC	BLCDT -20060117ACC
43	WOTF-DT	MELBOURNE FL	1.0	LIC	BLCDT -20090616ACO
44	WTOG	ST. PETERSBURG FL	143.5	CP MOD	BMPCDT -20080606AAO

OET-69 Interference Analysis (WFTV, Orlando, FL, Channel 39)

51 WHLV-TV COCOA FL 1.0 LIC BLCDDT -20090615ADQ
39 WFTV ORLANDO FL 2.5 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.
38	WTCE-TV	FORT PIERCE FL	BLEDT -20090820ACI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WFTV	ORLANDO FL	191.9	PLN	DTVPLN -DTVP1389
39	WFTV	ORLANDO FL	191.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WHDO-CA	ORLANDO FL	BLTTA -20080321ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBCC	COCOA FL	44.5	LIC	BLEDT -20030429ABH
31	WOGX	OCALA FL	133.6	LIC	BLCDDT -20020730ABS
34	WUSF-TV	TAMPA FL	101.3	LIC	BLEDT -20060913ABQ
38	WTCE-TV	FORT PIERCE FL	200.5	LIC	BLEDT -20090820ACI
38	WGPS-LP	SEBRING FL	108.1	CP	BDISDTL -20100702ASM
39	WFTV	ORLANDO FL	43.1	PLN	DTVPLN -DTVP1389
40	WACX	LEESBURG FL	41.3	LIC	BLCDDT -20060117ACC
41	WRBW	ORLANDO FL	44.5	LIC	BLCDDT -20060810AIX
42	WXPX-TV	BRADENTON FL	103.1	LIC	BLCDDT -20030109AEP
42	WXPX-TV	BRADENTON FL	103.1	CP	BPCDDT -20080620AKT
46	WTGL	LEESBURG FL	41.3	LIC	BLEDT -20090402AHH
39	WFTV	ORLANDO FL	43.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WHDO-CA	ORLANDO FL	BPTTA -20080804AFI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBCC	COCOA FL	41.8	LIC	BLEDT -20030429ABH
31	WOGX	OCALA FL	143.4	LIC	BLCDDT -20020730ABS
34	WUSF-TV	TAMPA FL	103.5	LIC	BLEDT -20060913ABQ
38	WTCE-TV	FORT PIERCE FL	190.7	LIC	BLEDT -20090820ACI
38	WGPS-LP	SEBRING FL	101.5	CP	BDISDTL -20100702ASM
39	WFTV	ORLANDO FL	39.5	PLN	DTVPLN -DTVP1389
40	WACX	LEESBURG FL	38.5	LIC	BLCDDT -20060117ACC
41	WRBW	ORLANDO FL	41.8	LIC	BLCDDT -20060810AIX
42	WXPX-TV	BRADENTON FL	105.1	LIC	BLCDDT -20030109AEP
42	WXPX-TV	BRADENTON FL	105.1	CP	BPCDDT -20080620AKT
46	WTGL	LEESBURG FL	38.5	LIC	BLEDT -20090402AHH
39	WFTV	ORLANDO FL	39.4	APP	USERRECORD-01

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 5

OET-69 Interference Analysis (WFTV, Orlando, FL, Channel 39)

Before Analysis

Results for: 38N FL ORLANDO	BPTTA	20080804AFI	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	811637	1560.8	
not affected by terrain losses	811637	1560.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	10180	20.2	
lost to all IX	10180	20.2	

Potential Interfering Stations Included in above Scenario 1

38A FL FORT PIERCE	BLEDT	20090820ACI	LIC
39A FL ORLANDO	DTVPLN	DTVP1389	PLN

After Analysis

Results for: 38N FL ORLANDO	BPTTA	20080804AFI	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	811637	1560.8	
not affected by terrain losses	811637	1560.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	9465	16.1	
lost to all IX	9465	16.1	

Potential Interfering Stations Included in above Scenario 1

38A FL FORT PIERCE	BLEDT	20090820ACI	LIC
39A FL ORLANDO	USERRECORD01		APP

Percent new IX = -0.0881%

Worst case new IX -0.0881% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WSPF-CA	ST. PETERSBURG FL	BDISDTA -20100407AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	W38CO	FORT MYERS FL	147.3	CP	BDFCDTT -20060306BBY
38	W38CO	FORT MYERS FL	147.2	LIC	BLTT -20010430AAB
38	WTCE-TV	FORT PIERCE FL	256.4	LIC	BLEDT -20090820ACI
38	WHDO-CA	ORLANDO FL	130.8	LIC	BLTTA -20080321ACD
38	WHDO-CA	ORLANDO FL	134.4	CP	BPTTA -20080804AFI
38	WGFS-LP	SEBRING FL	126.1	CP	BDISDTL -20100702ASM
38	W38EO-D	WILLISTON FL	159.4	CP	BNPDTL -20090825BUS
39	WFTV	ORLANDO FL	173.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	WSAV-TV	SAVANNAH GA	BLCDT -20050705AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WFTV	ORLANDO FL	388.6	PLN	DTVPLN -DTVP1389
39	WSB-TV	ATLANTA GA	342.9	LIC	BLCDT -20041020ADC
39	WSB-TV	ATLANTA GA	342.9	CP	BPCDT -20080619ACR
39	WMYT-TV	ROCK HILL SC	367.4	LIC	BLCDT -20090619ACX
39	WKTC	SUMTER SC	234.0	LIC	BLCDT -20071022BDD
40	WMGT-TV	MACON GA	226.1	LIC	BLCDT -20070112AHJ
39	WFTV	ORLANDO FL	388.7	APP	USERRECORD-01

OET-69 Interference Analysis (WFTV, Orlando, FL, Channel 39)

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.
40	WACX	LEESBURG FL	BLCDT	-20060117ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WFTV	ORLANDO FL	3.4	PLN	DTVPLN	-DTVP1389
40	WBEC-TV	BOCA RATON FL	302.1	LIC	BLEDT	-20071220ABP
40	WTWC-TV	TALLAHASSEE FL	363.4	CP MOD	BMPCDT	-20100128AEA
41	WZVN-TV	NAPLES FL	207.3	LIC	BLCDT	-20030619AAM
41	WRBW	ORLANDO FL	3.4	LIC	BLCDT	-20060810AIX
39	WFTV	ORLANDO FL	3.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WFTV	ORLANDO FL	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WTCE-TV	FORT PIERCE FL	191.9	LIC	BLEDT	-20090820ACI
39	WSAV-TV	SAVANNAH GA	388.7	LIC	BLCDT	-20050705AAP
40	WACX	LEESBURG FL	3.5	LIC	BLCDT	-20060117ACC

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 9

Before Analysis

Results for: 39A FL ORLANDO USERRECORD01 APP

HAAT 489.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3078676	36212.6
not affected by terrain losses	3078676	36212.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3708	44.3
lost to ATV IX only	3708	44.3
lost to all IX	3708	44.3

Potential Interfering Stations Included in above Scenario 1

40A FL LEESBURG BLCDT 20060117ACC LIC

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