

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  
/space/software/cdbs/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-22-2013 Time: 10:43:02

#### Record Selected for Analysis

WTXI USERRECORD-01 US  
Channel 33 ERP 15. kW HAAT 215. m RCAMSL 00217 m FULL SERVICE MASK  
Latitude 025-59-09 Longitude 0080-11-37  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make usr Model wtxi Beam tilt N Ref Azimuth 200.  
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  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	2.281	214.0	40.877
45.0	2.109	215.6	40.556
90.0	1.176	216.6	37.549
135.0	2.109	216.4	40.602
180.0	12.696	215.0	49.801
225.0	11.550	215.0	49.319
270.0	1.775	214.0	39.563
315.0	1.218	214.0	37.591

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
33	WTXI		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBFS-TV	MIAMI FL	3.4	LIC	BLCDDT	-20130909AAU
32	WYDT-CA	NAPLES FL	163.5	LIC	BLTTL	-19980130JC
33	WDSC-TV	NEW SMYRNA BEACH FL	303.9	LIC	BLEDT	-20050121AKU
33	WRXY-TV	TICE FL	182.5	LIC	BLCDDT	-20060627ABA
33	W33DB-D	WABASSO FL	196.3	CP	BNPDTL	-20091106AEV
34	WTVX	FORT PIERCE FL	127.8	LIC	BLCDDT	-20090929AGC
34	WVFW-LD	MIAMI FL	2.1	LIC	BLDTL	-20100611AIE
41	WJAN-CD	MIAMI FL	32.8	APP	BPTTA	-20010116AGG

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WBFS-TV	MIAMI FL	BLCDDT	-20130909AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WGCU	FORT MYERS FL	179.9	LIC	BLEDT	-20130624AAN
31	WTVJ	MIAMI FL	0.0	LIC	BLCDDT	-20030707ABG
32	WTTA-DR	ST. PETERSBURG FL	290.3	APP	BPRM	-20090820ADU
32	WTTA	ST. PETERSBURG FL	290.3	LIC	BLCDDT	-20101110AAI
33	WRXY-TV	TICE FL	181.0	LIC	BLCDDT	-20060627ABA
33	WTXI		3.4	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.
32	WYDT-CA	NAPLES FL	BLTTL	-19980130JC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WGCU	FORT MYERS FL	68.3	LIC	BLEDT	-20130624AAN
32	WBFS-TV	MIAMI FL	161.0	LIC	BLCDDT	-20130909AAU
32	WTTA-DR	ST. PETERSBURG FL	187.7	APP	BPRM	-20090820ADU
32	WTTA	ST. PETERSBURG FL	187.7	LIC	BLCDDT	-20101110AAI
33	WRXY-TV	TICE FL	64.9	LIC	BLCDDT	-20060627ABA
35	WFTX-TV	CAPE CORAL FL	65.9	LIC	BLCDDT	-20050311ACY
33	WTXI		163.5	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WDSC-TV	NEW SMYRNA BEACH FL	BLEDT -20050121AKU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WAWS	JACKSONVILLE FL	192.2	LIC	BLCDDT -20030328ANQ
32	WTTA-DR	ST. PETERSBURG FL	145.5	APP	BPRM -20090820ADU
32	WTTA	ST. PETERSBURG FL	145.4	LIC	BLCDDT -20101110AAI
33	WRXY-TV	TICE FL	215.3	LIC	BLCDDT -20060627ABA
34	WTVX	FORT PIERCE FL	178.0	LIC	BLCDDT -20090929AGC
34	WCWJ	JACKSONVILLE FL	191.6	LIC	BLCDDT -20060630AFM
34	WUSF-TV	TAMPA FL	145.1	LIC	BLEDT -20060913ABQ
33	WTXI		303.9	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.
33	WRXY-TV	TICE FL	BLCDDT -20060627ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WBFS-TV	MIAMI FL	181.0	LIC	BLCDDT -20130909AAU
32	WTTA-DR	ST. PETERSBURG FL	126.2	APP	BPRM -20090820ADU
32	WTTA	ST. PETERSBURG FL	126.2	LIC	BLCDDT -20101110AAI
33	WDSC-TV	NEW SMYRNA BEACH FL	215.3	LIC	BLEDT -20050121AKU
34	WTVX	FORT PIERCE FL	144.2	LIC	BLCDDT -20090929AGC
34	WUSF-TV	TAMPA FL	126.8	LIC	BLEDT -20060913ABQ
33	WTXI		182.5	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.
33	W33DB-D	WABASSO FL	BNPDTL -20091106AEV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	W32DJ-D	MELBOURNE FL	50.7	LIC	BLDTL -20071009AKR
33	WDSC-TV	NEW SMYRNA BEACH FL	113.7	LIC	BLEDT -20050121AKU
33	WRXY-TV	TICE FL	169.2	LIC	BLCDDT -20060627ABA
34	WTVX	FORT PIERCE FL	68.6	LIC	BLCDDT -20090929AGC
33	WTXI		196.3	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.
34	WTVX	FORT PIERCE FL	BLCDT -20090929AGC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WDSC-TV	NEW SMYRNA BEACH FL	178.0	LIC	BLEDT -20050121AKU
33	WRXY-TV	TICE FL	144.2	LIC	BLCDT -20060627ABA
34	WCWJ	JACKSONVILLE FL	368.9	LIC	BLCDT -20060630AFM
34	WUSF-TV	TAMPA FL	201.7	LIC	BLEDT -20060913ABQ
35	WFTX-TV	CAPE CORAL FL	144.6	LIC	BLCDT -20050311ACY
35	WPXM-TV	MIAMI FL	127.8	CP MOD	BMPCDT -20080620AMR
35	WPXM-TV	MIAMI FL	127.8	LIC	BLCDT -20090612AIT
33	WTXI		127.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WVFW-LD	MIAMI FL	BLDTL -20100611AIE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WTVX	FORT PIERCE FL	127.3	LIC	BLCDT -20090929AGC
34	WUSF-TV	TAMPA FL	292.2	LIC	BLEDT -20060913ABQ
35	WPXM-TV	MIAMI FL	2.1	CP MOD	BMPCDT -20080620AMR
35	WPXM-TV	MIAMI FL	2.1	LIC	BLCDT -20090612AIT
33	WTXI		2.1	APP	USERRECORD-01

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 7  
Before Analysis

Results for: 34A FL MIAMI BLDTL 20100611AIE LIC  
HAAT 262.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3589083	5176.1
not affected by terrain losses	3589083	5176.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	569772	764.3
lost to ATV IX only	569772	764.3
lost to all IX	569772	764.3

Potential Interfering Stations Included in above Scenario 1

34A FL FORT PIERCE	BLCDT	20090929AGC	LIC
35A FL MIAMI	BMPCDT	20080620AMR	CP

After Analysis

Results for: 34A FL MIAMI BLDTL 20100611AIE LIC

HAAT 262.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3589083	5176.1
not affected by terrain losses	3589083	5176.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	569772	764.3
lost to ATV IX only	569772	764.3
lost to all IX	569772	764.3

Potential Interfering Stations Included in above Scenario 1

34A FL FORT PIERCE	BLCDDT	20090929AGC	LIC
35A FL MIAMI	BMPCDT	20080620AMR	CP
33A	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 2  
Scenario 2 Affected station 7  
Before Analysis

Results for: 34A FL MIAMI BLDTL 20100611AIE LIC

HAAT 262.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3589083	5176.1
not affected by terrain losses	3589083	5176.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	559134	750.4
lost to ATV IX only	559134	750.4
lost to all IX	559134	750.4

Potential Interfering Stations Included in above Scenario 2

34A FL FORT PIERCE	BLCDDT	20090929AGC	LIC
35A FL MIAMI	BLCDDT	20090612AIT	LIC

After Analysis

Results for: 34A FL MIAMI BLDTL 20100611AIE LIC

HAAT 262.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3589083	5176.1
not affected by terrain losses	3589083	5176.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	559134	750.4
lost to ATV IX only	559134	750.4
lost to all IX	559134	750.4

Potential Interfering Stations Included in above Scenario 2

34A FL FORT PIERCE	BLCDDT	20090929AGC	LIC
35A FL MIAMI	BLCDDT	20090612AIT	LIC
33A	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WTCE-TV	FORT PIERCE FL	141.3	LIC	BLEDT	-20090820ACI
40	WBEC-TV	BOCA RATON FL	32.8	LIC	BLEDT	-20071220ABP
41	WMDF-LD	KEY WEST FL	106.6	LIC	BLDTL	-20130606AAA
41	WZVN-TV	NAPLES FL	177.6	LIC	BLCDDT	-20030619AAM
41	WRBW	ORLANDO FL	321.5	LIC	BLCDDT	-20060810AIX
42	WHDT	STUART FL	91.1	LIC	BLCDDT	-20130419ABG
42	WHDT-DR	STUART FL	111.4	APP	BPRM	-20080620AOT
49	WFGC	PALM BEACH FL	112.1	LIC	BLCDDT	-20130415AAD
33	WTXI		32.8	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.
33	WTXI		USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBFS-TV	MIAMI FL	3.4	LIC	BLCDDT	-20130909AAU
33	WDSC-TV	NEW SMYRNA BEACH FL	303.9	LIC	BLEDT	-20050121AKU
33	WRXY-TV	TICE FL	182.5	LIC	BLCDDT	-20060627ABA
33	W33DB-D	WABASSO FL	196.3	CP	BNPDTL	-20091106AEV
34	WTVX	FORT PIERCE FL	127.8	LIC	BLCDDT	-20090929AGC
34	WVFW-LD	MIAMI FL	2.1	LIC	BLDTL	-20100611AIE

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 9  
Before Analysis

Results for: 33A USERRECORD01 APP

	POPULATION	AREA (sq km)
HAAT 215.0 m, ATV ERP 15.0 kW		
within Noise Limited Contour	3848708	5738.2
not affected by terrain losses	3848708	5738.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	190691	541.1
lost to ATV IX only	190691	541.1
lost to all IX	190691	541.1

Potential Interfering Stations Included in above Scenario 1

32A FL MIAMI	BLCDDT	20130909AAU	LIC
34A FL MIAMI	BLDTL	20100611AIE	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED