

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: 04-26-2013 Time: 19:01:44

Record Selected for Analysis

WMDF USERRECORD-01 KEY WEST FL US  
 Channel 41 ERP 3.91 kW HAAT 41. m RCAMSL 00041 m STRINGENT MASK  
 Latitude 024-51-20 Longitude 0080-43-51  
 Status APP Zone 3 Border Site number: 01  
 Dir Antenna Make CDB Model 00000000111449 Beam tilt N Ref Azimuth 340.  
 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	1.677	41.0	21.994
45.0	2.905	41.0	24.669
90.0	0.193	41.0	12.760
135.0	0.012	41.0	6.570
180.0	0.017	41.0	7.068
225.0	0.809	41.0	18.493
270.0	3.910	41.0	26.111
315.0	0.989	41.0	19.447

Contour Overlap to Proposed Station

Station			
WJAN-CD 41 MIAMI	FL BPTTA20010116AGG	causes	

Contour overlap to Digital LPTV station  
 WMDF 41 KEY WEST FL USERRECORD01

Contour Overlap Evaluation to Proposed Station 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

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#### Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
41	WMDF	KEY WEST FL	USERRECORD01

#### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WGZT-LP	KEY WEST FL	112.9	LIC	BLTTL	-20030804AAH
38	WPMF-LP	MIAMI FL	115.4	LIC	BLTTA	-20030326AHQ
40	WBEC-TV	BOCA RATON FL	136.7	LIC	BLEDT	-20071220ABP
41	WJAN-CD	MIAMI FL	106.6	APP	BPTTA	-20010116AGG
41	WJAN-CD	MIAMI FL	80.5	LIC	BLDTA	-20100907ACD
41	WZVN-TV	NAPLES FL	241.9	LIC	BLCDT	-20030619AAM
41	W41DV-D	WABASSCO FL	321.3	CP	BNPDTL	-20091112AIY
42	WKWT-LP	KEY WEST FL	72.8	APP	BDFCDTL	-20120912ABS
42	WKWT-LP	KEY WEST FL	108.0	LIC	BLTTL	-20110822ABU
42	WHDT	STUART FL	197.5	CP MOD	BMPCDT	-20090115AFU
44	W44AC	KEY WEST FL	113.2	LIC	BLTTL	-20040302AAT
49	WKIZ-LP	KEY WEST FL	107.6	LIC	BLTTL	-20041025ADZ

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#### Analysis of Interference to Affected Station 1

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WGZT-LP	KEY WEST FL	BLTTL	-20030804AAH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WXEL-TV	WEST PALM BEACH FL	273.8	LIC	BLEDT	-20040713AAJ
42	WKWT-LP	KEY WEST FL	5.0	LIC	BLTTL	-20110822ABU
41	WMDF	KEY WEST FL	112.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WPMF-LP	MIAMI FL	BLTTA -20030326AHQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WSCV	FORT LAUDERDALE FL	23.8	LIC	BLCDDT -20090720ADZ
31	WTVJ	MIAMI FL	22.1	LIC	BLCDDT -20030707ABG
35	WPXM-TV	MIAMI FL	23.8	LIC	BLCDDT -20090612AIT
35	WPXM-TV	MIAMI FL	23.8	CP MOD	BMPCDT -20080620AMR
36	WPXP-TV	LAKE WORTH FL	90.8	LIC	BLCDDT -20030808ABE
38	WTCE-TV	FORT PIERCE FL	139.3	LIC	BLEDT -20090820ACI
39	WLMF-LD	MIAMI FL	22.2	APP	BDISDTL -20110831ACI
40	WBEC-TV	BOCA RATON FL	23.8	LIC	BLEDT -20071220ABP
42	WHDT-DR	STUART FL	106.7	APP	BPRM -20080620AOT
42	WHDT	STUART FL	89.6	CP MOD	BMPCDT -20090115AFU
46	WHFT-TV	MIAMI FL	24.6	LIC	BLCDDT -20091124AGO
41	WMDF	KEY WEST FL	115.4	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.
40	WBEC-TV	BOCA RATON FL	BLEDT -20071220ABP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WACX	LEESBURG FL	302.1	LIC	BLCDDT -20060117ACC
41	WZVN-TV	NAPLES FL	182.0	LIC	BLCDDT -20030619AAM
41	WMDF	KEY WEST FL	136.7	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.
41	WJAN-CD	MIAMI FL	BPTTA -20010116AGG

## 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	WZVN-TV	NAPLES FL	177.6	LIC	BLCDDT -20030619AAM
41	WRBW	ORLANDO FL	321.5	LIC	BLCDDT -20060810AIX
42	WHDT-DR	STUART FL	111.4	APP	BPRM -20080620AOT
42	WHDT	STUART FL	91.1	CP MOD	BMPCDT -20090115AFU
49	WFGC	PALM BEACH FL	112.1	LIC	BLCDDT -20060627ABB
49	WFGC	PALM BEACH FL	112.1	CP	BPCDDT -20100309ABX
41	WMDF	KEY WEST FL	106.6	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.
41	WJAN-CD	MIAMI FL	BLDTA	-20100907ACD

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WBEC-TV	BOCA RATON FL	56.7	LIC	BLEDT	-20071220ABP
41	WZVN-TV	NAPLES FL	192.5	LIC	BLCDDT	-20030619AAM
41	WRBW	ORLANDO FL	346.2	LIC	BLCDDT	-20060810AIX
42	WHD	STUART FL	117.5	CP MOD	BMPDDT	-20090115AFU
41	WMDF	KEY WEST FL	80.5	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.
41	WZVN-TV	NAPLES FL	BLCDDT	-20030619AAM

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WBEC-TV	BOCA RATON FL	182.0	LIC	BLEDT	-20071220ABP
40	WACX	LEESBURG FL	207.3	LIC	BLCDDT	-20060117ACC
41	WRBW	ORLANDO FL	210.4	LIC	BLCDDT	-20060810AIX
42	WXPX-TV	BRADENTON FL	121.1	LIC	BLCDDT	-20100713AAA
42	WHD	STUART FL	167.6	APP	BPRM	-20080620AOT
42	WHD	STUART FL	153.7	CP MOD	BMPDDT	-20090115AFU
41	WMDF	KEY WEST FL	241.9	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.
41	W41DV-D	WABASSCO FL	BNPDDL	-20091112AIY

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WACX	LEESBURG FL	112.7	LIC	BLCDDT	-20060117ACC
41	WZVN-TV	NAPLES FL	164.3	LIC	BLCDDT	-20030619AAM
41	WRBW	ORLANDO FL	113.7	LIC	BLCDDT	-20060810AIX
42	WHD	STUART FL	118.2	APP	BPRM	-20080620AOT
42	WHD	STUART FL	130.5	CP MOD	BMPDDT	-20090115AFU
42	NEW	WABASSO FL	5.8	APP	BNPDDL	-20090901AIH

41 WMDF KEY WEST FL 321.3 APP USERRECORD-01  
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.
42	WKWT-LP	KEY WEST FL	BDFCDTL -20120912ABS

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WJAN-CD	MIAMI FL	159.2	APP	BPTTA -20010116AGG
41	WOCH-CA	CHICAGO IL	*****	APP	BSTA -20120221ABL
42	WXPX-TV	BRADENTON FL	360.9	LIC	BLCDDT -20100713AAA
42	WHDT-DR	STUART FL	265.9	APP	BPRM -20080620AOT
42	WHDT	STUART FL	243.4	CP MOD	BMPCDDT -20090115AFU
41	WMDF	KEY WEST FL	72.8	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.
42	WKWT-LP	KEY WEST FL	BLTTL -20110822ABU

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	WXPX-TV	BRADENTON FL	365.9	LIC	BLCDDT -20100713AAA
42	WHDT-DR	STUART FL	293.3	APP	BPRM -20080620AOT
42	WHDT	STUART FL	270.4	CP MOD	BMPCDDT -20090115AFU
41	WMDF	KEY WEST FL	108.0	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 10

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WHDT	STUART FL	BMPCDDT -20090115AFU

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WZVN-TV	NAPLES FL	153.7	LIC	BLCDDT -20030619AAM
42	WXPX-TV	BRADENTON FL	242.7	LIC	BLCDDT -20100713AAA
42	WHDT-DR	STUART FL	23.2	APP	BPRM -20080620AOT
41	WMDF	KEY WEST FL	197.5	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 11

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
44	W44AC	KEY WEST FL	BLTTL -20040302AAT

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WTOG	ST. PETERSBURG FL	366.9	LIC	BLCDDT -20090622ACD
41	WMDF	KEY WEST FL	113.2	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 12

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	WKIZ-LP	KEY WEST FL	BLTTL -20041025ADZ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	WFGC	PALM BEACH FL	288.9	LIC	BLCDDT -20060627ABB
49	WFGC	PALM BEACH FL	288.9	CP	BPCDDT -20100309ABX
50	WGZT-LD	KEY WEST FL	1.0	CP	BDCCDDL -20061025AFE
41	WMDF	KEY WEST FL	107.6	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 13

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMDF	KEY WEST FL	USERRECORD-01

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WJAN-CD	MIAMI FL	80.5	LIC	BLDTA -20100907ACD
41	WZVN-TV	NAPLES FL	241.9	LIC	BLCDDT -20030619AAM

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 13  
Before Analysis

Results for: 41A FL KEY WEST                      USERRECORD01                      APP

HAAT    41.0 m, ATV ERP    3.9 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	5477	1064.8
not affected by terrain losses	5477	1064.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3164	628.5
lost to ATV IX only	3164	628.5
lost to all IX	3164	628.5

Potential Interfering Stations Included in above Scenario                      1

41A FL MIAMI                      BLDTA                      20100907ACD    LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED