

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: 11-21-2012 Time: 18:33:19

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 024-46-02 Longitude 0080-56-42
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000110250 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		22.0
45.0	2.905	41.0		24.7
90.0	0.193	41.0		12.8
135.0	0.012	41.0		6.6
180.0	0.017	41.0		7.1
225.0	0.809	41.0		18.5
270.0	3.910	41.0		26.1
315.0	0.989	41.0		19.4

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

Start of Interference Analysis

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

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
27	WGZT-LP	KEY WEST FL	89.4	LIC	BLTTL	-
20030804AAH						
38	WPMF-LP	MIAMI FL	134.9	LIC	BLTTA	-
20030326AHQ						
40	WBEC-TV	BOCA RATON FL	155.0	LIC	BLEDT	-
20071220ABP						
41	WJAN-CD	MIAMI FL	123.6	APP	BPTTA	-
20010116AGG						
41	WJAN-CD	MIAMI FL	98.4	LIC	BLDTA	-
20100907ACD						
41	WZVN-TV	NAPLES FL	242.7	LIC	BLCDT	-
20030619AAM						
41	W41DV-D	WABASSCO FL	333.5	CP	BNPDTL	-
20091112AIY						
42	WKWT-LP	KEY WEST FL	84.5	LIC	BLTTL	-
20110822ABU						
42	WKWT-LP	KEY WEST FL	49.3	APP	BDFCDTL	-
20120912ABS						
44	W44AC	KEY WEST FL	89.7	LIC	BLTTL	-
20040302AAT						
49	WKIZ-LP	KEY WEST FL	84.1	LIC	BLTTL	-
20041025ADZ						

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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
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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	89.4	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
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	CP MOD	BMPCDDT	-
20080620AMR						
35	WPXM-TV	MIAMI FL	23.8	LIC	BLCDDT	-
20090612AIT						
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	STUART FL	89.6	CP MOD	BMPCDDT	-
20090115AFU						
42	WHDT-DR	STUART FL	106.7	APP	BPRM	-
20080620AOT						
46	WHFT-TV	MIAMI FL	24.6	LIC	BLCDDT	-
20091124AGO						
41	WMDF	KEY WEST FL	134.9	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WACX	LEESBURG FL	302.1	LIC	BLCDT	-
20060117ACC						
41	WZVN-TV	NAPLES FL	182.0	LIC	BLCDT	-
20030619AAM						
41	WMDF	KEY WEST FL	155.0	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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
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	BLCDT	-
20030619AAM						
41	WRBW	ORLANDO FL	321.5	LIC	BLCDT	-
20060810AIX						
42	WHDT	STUART FL	91.1	CP MOD	BMPCDT	-
20090115AFU						
42	WHDT-DR	STUART FL	111.4	APP	BPRM	-
20080620AOT						
49	WFGC	PALM BEACH FL	112.1	CP	BPCDT	-
20100309ABX						
49	WFGC	PALM BEACH FL	112.1	LIC	BLCDT	-
20060627ABB						
41	WMDF	KEY WEST FL	123.6	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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WBEC-TV	BOCA RATON FL	56.7	LIC	BLEDT	-
20071220ABP						
41	WZVN-TV	NAPLES FL	192.5	LIC	BLCDT	-
20030619AAM						

41	WRBW	ORLANDO FL	346.2	LIC	BLCDT	-
20060810AIX						
42	WHDТ	STUART FL	117.5	CP MOD	BMPCDT	-
20090115AFU						
41	WMDF	KEY WEST FL	98.4	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	BLCDT	-20030619AAM

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WBEC-TV	BOCA RATON FL	182.0	LIC	BLEDT	-
20071220ABP						
40	WACX	LEESBURG FL	207.3	LIC	BLCDT	-
20060117ACC						
41	WRBW	ORLANDO FL	210.4	LIC	BLCDT	-
20060810AIX						
42	WXPX-TV	BRADENTON FL	121.1	LIC	BLCDT	-
20100713AAA						
42	WHDТ	STUART FL	153.7	CP MOD	BMPCDT	-
20090115AFU						
42	WHDТ-DR	STUART FL	167.6	APP	BPRM	-
20080620AOT						
41	WMDF	KEY WEST FL	242.7	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	BNPDTL	-20091112AIY

Stations Potentially Affecting This Station

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

20090901AIH
41 WMDF KEY WEST FL 333.5 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	BLTTL	-20110822ABU

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
42	WXPX-TV	BRADENTON FL	365.9	LIC	BLCDT	-
20100713AAA						
42	WHDT	STUART FL	270.4	CP MOD	BMPCDT	-
20090115AFU						
42	WHDT-DR	STUART FL	293.3	APP	BPRM	-
20080620AOT						
41	WMDF	KEY WEST FL	84.5	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.
42	WKWT-LP	KEY WEST FL	BDFCDTL	-20120912ABS

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
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	BLCDT	-
20100713AAA						
42	WHDT	STUART FL	243.4	CP MOD	BMPCDT	-
20090115AFU						
42	WHDT-DR	STUART FL	265.9	APP	BPRM	-
20080620AOT						
41	WMDF	KEY WEST FL	49.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

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

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
44	WTOG	ST. PETERSBURG FL	366.9	LIC	BLCDT -
20090622ACD					
41	WMDF	KEY WEST FL	89.7	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 11

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 No.	Call	City/State	Dist(km)	Status	Application Ref.
49	WFGC	PALM BEACH FL	288.9	CP	BPCDT -
20100309ABX					
49	WFGC	PALM BEACH FL	288.9	LIC	BLCDT -
20060627ABB					
50	WGZT-LD	KEY WEST FL	1.0	CP	BDCCDTL -
20061025AFE					
41	WMDF	KEY WEST FL	84.1	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.
41	WMDF	KEY WEST FL	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
41	WJAN-CD	MIAMI FL	98.4	LIC	BLDTA -
20100907ACD					
41	WZVN-TV	NAPLES FL	242.7	LIC	BLCDT -
20030619AAM					
42	WKWT-LP	KEY WEST FL	49.3	APP	BDFCDTL -
20120912ABS					

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 12
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	12029	1064.5
not affected by terrain losses	12029	1064.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	156	248.2
lost to ATV IX only	156	248.2
lost to all IX	156	248.2

Potential Interfering Stations Included in above Scenario 1

41A FL MIAMI BLDTA 20100907ACD LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED