

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/cdbbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-06-2012 Time: 14:52:53

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 024-39-58 Longitude 0081-21-32
Status APP Zone 3 Border Site number: 01
Dir Antenna Make usr Model WMDF-AZ 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	Call	Proposed Station City/State	ARN
41	WMDF	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	46.2	LIC	BLTTL	-
20030804AAH						
40	WBEC-TV	BOCA RATON FL	187.7	LIC	BLEDT	-
20071220ABP						
41	WJAN-CD	MIAMI FL	132.2	LIC	BLDTA	-
20100907ACD						
41	WJAN-CD	MIAMI FL	155.0	APP	BPTTA	-
20010116AGG						
41	WZVN-TV	NAPLES FL	243.1	LIC	BLCDT	-
20030619AAM						
41	W41DV-D	WABASSCO FL	352.9	CP	BNPDTL	-
20091112AIY						
42	WKWT-LP	KEY WEST FL	41.2	LIC	BLTTL	-
20110822ABU						
44	W44AC	KEY WEST FL	46.4	LIC	BLTTL	-
20040302AAT						
49	WKIZ-LP	KEY WEST FL	40.9	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.
27	WXEL-TV	WEST PALM BEACH FL	273.8	LIC	BLEDT	-
20040713AAJ						
42	WKWT-LP	KEY WEST FL	5.0	LIC	BLTTL	-
20110822ABU						

41 WMDL KEY WEST FL 46.2 APP USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

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	BLCDDT	-
20060117ACC						
41	WZVN-TV	NAPLES FL	182.0	LIC	BLCDDT	-
20030619AAM						
41	WMDL	KEY WEST FL	187.7	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.
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	BLCDDT	-
20030619AAM						
41	WRBW	ORLANDO FL	346.2	LIC	BLCDDT	-
20060810AIX						
42	WHDH	STUART FL	117.5	CP MOD	BMPCDDT	-
20090115AFU						
41	WMDL	KEY WEST FL	132.2	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-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	CP	BPCDT	-
20100309ABX						
49	WFGC	PALM BEACH FL	112.1	LIC	BLCDT	-
20060627ABB						
41	WMDF	KEY WEST FL	155.0	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.
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	WHDT-DR	STUART FL	167.6	APP	BPRM	-
20080620AOT						
42	WHDT	STUART FL	153.7	CP MOD	BMPCDT	-
20090115AFU						
41	WMDF	KEY WEST FL	243.1	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	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	BLCDDT	-
20060117ACC						
41	WZVN-TV	NAPLES FL	164.3	LIC	BLCDDT	-
20030619AAM						
41	WRBW	ORLANDO FL	113.7	LIC	BLCDDT	-
20060810AIX						
42	WHDT-DR	STUART FL	118.2	APP	BPRM	-
20080620AOT						
42	WHDT	STUART FL	130.5	CP MOD	BMPCDDT	-
20090115AFU						
42	NEW	WABASSO FL	5.8	APP	BNPDDL	-
20090901AIH						
41	WMDF	KEY WEST FL	352.9	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.
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	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	41.2	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.
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	BLCDDT	-
20090622ACD						
41	WMDF	KEY WEST FL	46.4	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 9

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	40.9	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.
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	132.2	LIC	BLDTA	-
20100907ACD						
41	WZVN-TV	NAPLES FL	243.1	LIC	BLCDT	-
20030619AAM						

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 10
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	11756	1065.4	
not affected by terrain losses	11756	1065.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED