

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: 03-03-2011 Time: 17:08:34

Record Selected for Analysis

WMDF USERRECORD-01 KEY WEST FL US
Channel 41 ERP 5.7 kW HAAT 30. m RCAMSL 00027 m STRINGENT MASK
Latitude 024-33-18 Longitude 0081-48-05
Status APP Zone 3 Border Site number: 01
Dir Antenna Make usr Model ATC-BC8P3S Beam tilt N Ref Azimuth 0.
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	0.351	33.0		13.3
45.0	4.060	33.0		24.0
90.0	3.814	33.0		23.7
135.0	0.346	33.0		13.2
180.0	0.107	33.0		10.0
225.0	0.346	33.0		13.2
270.0	3.814	33.0		23.7
315.0	4.060	33.0		24.0

Database HAAT does not agree with computed HAAT

Database HAAT: 30 Computed HAAT: 33

Contour Overlap to Proposed Station

Station
WMDF-LP 41 KEY WEST FL BLTTL20070220ABP

Station inside contour of Digital LPTV station
WMDF 41 KEY WEST FL USERRECORD01

Station
WKR-LP 42 KEY WEST FL BNPTTL20000821ABG

Station inside contour of Digital LPTV station
WMDF 41 KEY WEST FL USERRECORD01

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	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	6.5	APP	BSTA	-20060418AEM
27	WGZT-LP	KEY WEST FL	1.3	APP	BSTA	-20080115ADX
27	WGZT-LP	KEY WEST FL	0.5	LIC	BLTTL	-20030804AAH
38	W38AA	MARATHON FL	71.6	LIC	BLTT	-20060103AAT
39	W39AC	KEY WEST FL	0.0	LIC	BLTTL	-20060103AAI
41	WJAN-CD	MIAMI FL	193.9	APP	BPTTA	-20010116AGG
41	WJAN-CD	MIAMI FL	173.2	LIC	BLDTA	-20100907ACD
41	WZVN-TV	NAPLES FL	252.1	LIC	BLCDD	-20030619AAM
41	W41DV-D	WABASSCO FL	378.1	CP	BNPDTL	-20091112AIY
42	WKRP-LP	KEY WEST FL	5.2	CP	BNPTTL	-20000821ABG
42	W42DM	MARATHON FL	88.4	CP	BNPTTL	-20000828BHN
43	W43AD	MATECUMBE FL	122.7	LIC	BLTTL	-20010725ADO
44	W44AC	KEY WEST FL	0.1	LIC	BLTTL	-20040302AAT
49	WKIZ-LP	KEY WEST FL	5.5	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	BSTA	-20060418AEM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WXEL-TV	WEST PALM BEACH FL	268.7	LIC	BLEDT	-20040713AAJ
28	W28CP	SUMMERLAND KEY FL	8.4	CP MOD	BMPTTL	-20090526AEA
42	WKRP-LP	KEY WEST FL	1.7	CP	BNPTTL	-20000821ABG
41	WMDF	KEY WEST FL	6.5	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.
27	WGZT-LP	KEY WEST FL	BSTA -20080115ADX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WXEL-TV	WEST PALM BEACH FL	273.1	LIC	BLEDT -20040713AAJ
28	W28CP	SUMMERLAND KEY FL	13.7	CP MOD	BMPTTL -20090526AEA
42	WKRP-LP	KEY WEST FL	4.0	CP	BNPTTL -20000821ABG
41	WMDF	KEY WEST FL	1.3	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.
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
28	W28CP	SUMMERLAND KEY FL	14.6	CP MOD	BMPTTL -20090526AEA
42	WKRP-LP	KEY WEST FL	5.0	CP	BNPTTL -20000821ABG
41	WMDF	KEY WEST FL	0.5	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	W38AA	MARATHON FL	BLTT -20060103AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WTCE-TV	FORT PIERCE FL	275.6	LIC	BLEDT -20090820ACI
38	WPMF-LP	MIAMI FL	151.4	LIC	BLTTA -20030326AHQ
41	WMDF	KEY WEST FL	71.6	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	W39AC	KEY WEST FL	BLTTL -20060103AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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38 W38EK-D KEY WEST FL 6.5 CP BNPDTL -20090825APX
41 WMDF KEY WEST FL 0.0 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	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	BMPCDDT -20090115AFU
49	WFGC	PALM BEACH FL	112.1	APP	BPCDDT -20100309ABX
49	WFGC	PALM BEACH FL	112.1	LIC	BLCDDT -20060627ABB
41	WMDF	KEY WEST FL	193.9	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	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	WHDT	STUART FL	117.5	CP MOD	BMPCDDT -20090115AFU
41	WMDF	KEY WEST FL	173.2	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.
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	CP	BPCDDT -20080620AKT
42	WXPX-TV	BRADENTON FL	121.1	LIC	BLCDDT -20030109AEP
42	WHDT-DR	STUART FL	167.6	APP	BPRM -20080620AOT
42	WHDT	STUART FL	153.7	CP MOD	BMPCDDT -20090115AFU

41 WMDF KEY WEST FL 252.1 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.
41	W41DV-D	WABASSCO FL	BNPDTL -20091112AIY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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	WHDT-DR	STUART FL	118.2	APP	BPRM -20080620AOT
42	WHDT	STUART FL	130.5	CP MOD	BMPCDT -20090115AFU
42	NEW	WABASSO FL	5.8	APP	BNPDTL -20090901AIH
41	WMDF	KEY WEST FL	378.1	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WKRP-LP	KEY WEST FL	BNPTTL -20000821ABG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WMDF-LP	KEY WEST FL	1.7	LIC	BLTTL -20070220ABP
42	WXPX-TV	BRADENTON FL	365.9	CP	BPCDT -20080620AKT
42	WXPX-TV	BRADENTON FL	365.9	LIC	BLCDT -20030109AEP
42	WHDT-DR	STUART FL	293.3	APP	BPRM -20080620AOT
42	WHDT	STUART FL	270.4	CP MOD	BMPCDT -20090115AFU
41	WMDF	KEY WEST FL	5.2	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.
42	W42DM	MARATHON FL	BNPTTL -20000828BHN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	WXPX-TV	BRADENTON FL	364.1	CP	BPCDT -20080620AKT
42	WXPX-TV	BRADENTON FL	364.1	LIC	BLCDT -20030109AEP
42	WHDT-DR	STUART FL	235.6	APP	BPRM -20080620AOT
42	WHDT	STUART FL	214.3	CP MOD	BMPCDT -20090115AFU
41	WMDF	KEY WEST FL	88.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	W43AD	MATECUMBE FL	BLTTL -20010725ADO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
35	WPXM-TV	MIAMI FL	128.5	LIC	BLCDT -20090612AIT
35	WPXM-TV	MIAMI FL	128.5	APP	BMPCDT -20080620AMR
40	WBEC-TV	BOCA RATON FL	128.5	LIC	BLEDT -20071220ABP
43	W43CB-D	MATECUMBE FL	72.9	CP	BPDTL -20090618ADJ
43	WWDT-CA	NAPLES FL	214.9	LIC	BLTTA -20041022AEI
43	WTCN-CA	PALM BEACH FL	240.3	STA	BSTA -20070706AAU
46	WHFT-TV	MIAMI FL	130.0	LIC	BLCDT -20091124AGO
47	WAMI-DT	HOLLYWOOD FL	128.5	LIC	BLCDT -20090311ACD
41	WMDF	KEY WEST FL	122.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

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	CP MOD	BMPCDT -20080606AAO
41	WMDF	KEY WEST FL	0.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

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	W49CL	MIAMI FL	222.0	LIC	BLTTL -20060124AAA
49	WFGC	PALM BEACH FL	288.9	APP	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	5.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 15

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	WZVN-TV	NAPLES FL	252.1	LIC	BLCDT -20030619AAM
42	WKRP-LP	KEY WEST FL	5.2	CP	BNPTTL -20000821ABG

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 15
Before Analysis

Results for: 41A FL KEY WEST USERRECORD01 APP

HAAT 30.0 m, ATV ERP 5.7 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	34230	1093.4
not affected by terrain losses	34230	1093.4
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

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED