

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/cdb/pt\_tvdb.sff  
 TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-28-2011 Time: 21:21:51

Record Selected for Analysis

WMDF-LP BDFCDTL -20110304AAR KEY WEST FL US  
 Channel 41 ERP 5.7 kW HAAT 00001 m RCAMSL 00027 m  
 STRINGENT MASK  
 Latitude 024-33-18 Longitude 0081-48- 5  
 Status CP Zone Border Site number: 01  
 Dir Antenna Make CDB Model 00000000104251 Beam tilt Y Ref  
 Azimuth 0.0  
 Last update 00000000 Cutoff date 20110304 Docket  
 Comments  
 Applicant THREE GRAND TV, LLC

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: 1 Computed HAAT: 33

Contour Overlap to Proposed Station

Station  
WMDF-LP 41 KEY WEST FL BLTTL20070220ABP  
Station inside contour of Digital LPTV station  
WMDF-LP 41 KEY WEST FL BDFCDTL 20110304AAR

Station  
WKWT-LP 42 KEY WEST FL BLTTL20110822ABU  
Station inside contour of Digital LPTV station  
WMDF-LP 41 KEY WEST FL BDFCDTL 20110304AAR

Station  
WKWT 42 KEY WEST FL USERRECORD01  
Station inside contour of Digital LPTV station  
WMDF-LP 41 KEY WEST FL BDFCDTL 20110304AAR

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

	Proposed Station			
Channel	Call	City/State	ARN	
41	WMDF-LP	KEY WEST FL	BDFCDTL	

20110304AAR

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status
27	WGZT-LP	KEY WEST FL	0.5	LIC BLTTL
-20030804AAH				
27	WGZT-LP	KEY WEST FL	6.5	APP BSTA
-20060418AEM				
27	WGZT-LP	KEY WEST FL	1.3	APP BSTA
-20080115ADX				
38	W38AA	MARATHON FL	71.6	LIC BLTT
-20060103AAT				
39	W39AC	KEY WEST FL	0.0	LIC BLTTL
-20060103AAI				
41	WJAN-CD	MIAMI FL	173.2	LIC BLDTA
-20100907ACD				
41	WJAN-CD	MIAMI FL	193.9	APP BPTTA
-20010116AGG				
41	WZVN-TV	NAPLES FL	252.0	LIC BLCDT
-20030619AAM				
41	W41DV-D	WABASSCO FL	378.1	CP BNPDTL
-20091112AIY				
42	WKWT-LP	KEY WEST FL	5.2	LIC BLTTL
-20110822ABU				
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				
42	WKWT	KEY WEST FL	6.3	APP

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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
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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  
 41 WMDF-LP KEY WEST FL 0.5 CP BDFCDTL  
 -20110304AAR  
 42 WKWT-LP KEY WEST FL 5.0 LIC BLTTL  
 -20110822ABU  
 42 WKWT KEY WEST FL 6.1 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 -  
 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  
 41 WMDF-LP KEY WEST FL 6.5 CP BDFCDTL  
 -20110304AAR  
 42 WKWT-LP KEY WEST FL 1.7 LIC BLTTL  
 -20110822ABU  
 42 WKWT KEY WEST FL 0.2 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 BSTA -  
 20080115ADX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
27	WXEL-TV	WEST PALM BEACH FL	273.1	LIC BLEDT
-20040713AAJ				
28	W28CP	SUMMERLAND KEY FL	13.7	CP MOD BMPTTL
-20090526AEA				
41	WMDF-LP	KEY WEST FL	1.3	CP BDFCDTL
-20110304AAR				
42	WKWT-LP	KEY WEST FL	4.0	LIC BLTTL
-20110822ABU				
42	WKWT	KEY WEST FL	5.1	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
38	WTCE-TV	FORT PIERCE FL	275.6	LIC BLEDT
-20090820ACI				
38	WPMF-LP	MIAMI FL	151.4	LIC BLTTA
-20030326AHQ				
41	WMDF-LP	KEY WEST FL	71.6	CP BDFCDTL
-20110304AAR				

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.
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39 W39AC KEY WEST FL BLTTL -  
20060103AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
38	W38EK-D	KEY WEST FL	6.5	CP
Application Ref. No. BNPDTL				
-20090825APX				
41	WMDF-LP	KEY WEST FL	0.0	CP
Application Ref. No. BDFCDTL				
-20110304AAR				
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	BLDTA -

20100907ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
40	WBEC-TV	BOCA RATON FL	56.7	LIC
Application Ref. No. BLEDT				
-20071220ABP				
41	WMDF-LP	KEY WEST FL	173.2	CP
Application Ref. No. BDFCDTL				
-20110304AAR				
41	WZVN-TV	NAPLES FL	192.5	LIC
Application Ref. No. BLCDT				
-20030619AAM				
41	WRBW	ORLANDO FL	346.2	LIC
Application Ref. No. BLCDT				
-20060810AIX				
42	WHDT	STUART FL	117.5	CP MOD
Application Ref. No. BMPCDT				
-20090115AFU				
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	BPTTA -

20010116AGG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
38	WTCE-TV	FORT PIERCE FL	141.3	LIC BLEDT
-20090820ACI				
40	WBEC-TV	BOCA RATON FL	32.8	LIC BLEDT
-20071220ABP				
41	WMDF-LP	KEY WEST FL	193.9	CP BDFCDTL
-20110304AAR				
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	LIC BLCDT
-20060627ABB				
49	WFGC	PALM BEACH FL	112.1	APP BPCDT
-20100309ABX				
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	BLCDT -
20030619AAM			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
40	WBEC-TV	BOCA RATON FL	182.0	LIC BLEDT
-20071220ABP				
40	WACX	LEESBURG FL	207.3	LIC BLCDT
-20060117ACC				
41	WMDF-LP	KEY WEST FL	252.0	CP BDFCDTL
-20110304AAR				
41	WRBW	ORLANDO FL	210.4	LIC BLCDT
-20060810AIX				
42	WXPX-TV	BRADENTON FL	121.1	LIC BLCDT
-20100713AAA				
42	WHDT	STUART FL	153.7	CP MOD BMPCDT

-20090115AFU  
 42 WHDT-DR STUART FL 167.6 APP BPRM  
 -20080620AOT  
 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
40	WACX	LEESBURG FL	112.7	LIC BLCDT
-20060117ACC				
41	WMDF-LP	KEY WEST FL	378.1	CP BDFCDTL
-20110304AAR				
41	WZVN-TV	NAPLES FL	164.3	LIC BLCDT
-20030619AAM				
41	WRBW	ORLANDO FL	113.7	LIC BLCDT
-20060810AIX				
42	WHDT	STUART FL	130.5	CP MOD BMPCDT
-20090115AFU				
42	WHDT-DR	STUART FL	118.2	APP BPRM
-20080620AOT				
42	NEW	WABASSO FL	5.8	APP BNPDTL
-20090901AIH				

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	WKWT-LP	KEY WEST FL	BLTTL	-
20110822ABU				

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
41	WMDF-LP	KEY WEST FL	5.2	CP BDFCDTL
-20110304AAR				
41	WMDF-LP	KEY WEST FL	1.7	LIC BLTTL
-20070220ABP				
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				

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
41	WMDF-LP	KEY WEST FL	88.4	CP BDFCDTL
-20110304AAR				
42	WXPX-TV	BRADENTON FL	364.1	LIC BLCDT
-20100713AAA				
42	WHDT	STUART FL	214.3	CP MOD BMPCDT
-20090115AFU				
42	WHDT-DR	STUART FL	235.6	APP BPRM
-20080620AOT				

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
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				
41	WMDF-LP	KEY WEST FL	122.7	CP BDFCDTL
-20110304AAR				
43	W43CB-D	MATECUMBE FL	72.9	CP BPDFL
-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				

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
41	WMDF-LP	KEY WEST FL	0.1	CP BDFCDTL
-20110304AAR				
44	WTOG	ST. PETERSBURG FL	366.9	CP MOD BMPCDT
-20080606AAO				

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
41	WMDF-LP	KEY WEST FL	5.5	CP BDFCDTL
-20110304AAR				
49	WFGC	PALM BEACH FL	288.9	LIC BLCDT
-20060627ABB				
49	WFGC	PALM BEACH FL	288.9	APP BPCDT
-20100309ABX				
50	WGZT-LD	KEY WEST FL	1.0	CP BDCCDTL
-20061025AFE				

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.
42	WKWT	KEY WEST FL	USERRECORD-	01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
41	WMDF-LP	KEY WEST FL	6.3	CP BDFCDTL
-20110304AAR				
41	WMDF-LP	KEY WEST FL	0.2	LIC BLTTL
-20070220ABP				
42	WXPX-TV	BRADENTON FL	364.6	LIC BLCDT
-20100713AAA				
42	WHDT	STUART FL	268.8	CP MOD BMPCDT
-20090115AFU				
42	WHDT-DR	STUART FL	291.7	APP BPRM
-20080620AOT				

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 15  
 Before Analysis

Results for: 42N FL KEY WEST USERRECORD01  
 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	12606	12.0
not affected by terrain losses	11367	10.0
lost to NTSC IX	11367	10.0
lost to additional IX by ATV	0	0.0
lost to all IX	11367	10.0

Potential Interfering Stations Included in above Scenario 1

41N FL KEY WEST BLTTL 20070220ABP LIC

After Analysis

Results for: 42N FL KEY WEST USERRECORD01  
 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	12606	12.0
not affected by terrain losses	11367	10.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10336	9.0
lost to all IX	10336	9.0

Potential Interfering Stations Included in above Scenario 1

41A FL KEY WEST BDFCDTL 20110304AAR CP

Percent new IX = -8.1786%

Worst case new IX -8.1786% Scenario 1

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMDF-LP	KEY WEST FL	BDFCDTL -
20110304AAR			

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status
Application Ref. No.				

41 WZVN-TV NAPLES FL 252.0 LIC BLCDT  
 -20030619AAM  
 42 WKWT-LP KEY WEST FL 5.2 LIC BLTTL  
 -20110822ABU  
 42 WKWT KEY WEST FL 6.3 APP  
 USERRECORD-01

Total scenarios = 1

Result key: 2  
 Scenario 1 Affected station 16  
 Before Analysis

Results for: 41A FL KEY WEST BDFCDTL 20110304AAR  
 CP

HAAT	1.0 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

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED