

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: 06-26-2013 Time: 18:17:26

Record Selected for Analysis

WMDF USERRECORD-01 KEY WEST FL US  
Channel 04 ERP 3. kW HAAT 79. m RCAMSL 00079 m STRINGENT MASK  
Latitude 025-05-29 Longitude 0080-26-37  
Status APP Zone 3 Border Site number: 01  
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

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	3.000	79.0	44.164
45.0	3.000	78.9	44.148
90.0	3.000	79.0	44.164
135.0	3.000	79.0	44.164
180.0	3.000	79.0	44.164
225.0	3.000	78.4	44.055
270.0	3.000	79.0	44.164
315.0	3.000	79.0	44.164

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

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Start of Interference Analysis

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

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	WSBS-TV	KEY WEST FL	149.4	LIC	BLCDT -20051031AAH
03	WSBS-TV	KEY WEST FL	149.4	CP	BPCDT -20080620AAG
03	DWSBS-CD	MIAMI, ETC. FL	102.5	LIC	BLDVL -20091016AEJ
04	DWFOL-LP	ORLANDO FL	394.3	APP	BSTA -20120321AEU

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	WSBS-TV	KEY WEST FL	BLCDT -20051031AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	WMDF	KEY WEST FL	149.4	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.
03	WSBS-TV	KEY WEST FL	BPCDT -20080620AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	WMDF	KEY WEST FL	149.4	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.
03	DWSBS-CD	MIAMI, ETC. FL	BLDVL -20091016AEJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	WSBS-TV	KEY WEST FL	226.8	LIC	BLCDT -20051031AAH
03	WSBS-TV	KEY WEST FL	226.8	CP	BPCDT -20080620AAG
04	WMDF	KEY WEST FL	102.5	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.
04	DWFOL-LP	ORLANDO FL	BSTA -20120321AEU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	WMDF	KEY WEST FL	394.3	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.
04	WMDF	KEY WEST FL	USERRECORD-01

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 5  
Before Analysis

Results for: 4A FL KEY WEST USERRECORD01 APP  
HAAT 79.0 m, ATV ERP 3.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	82286	6130.3
not affected by terrain losses	82286	6130.3
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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