

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WXOD-DISP8 #706, Model: Longley-Rice

Start: 2018.03.30 13:45:05

Study created: 2018.03.30 13:45:05

Study build station data: LMS TV 2018-03-29

Proposal: WXOD-LD D8 LD LIC West Palm Beach, FL

File number: WXOD-DISP8

Facility ID: 183693

Station data: User record

Record ID: 646

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WACX	D7	DT	CP	LEESBURG, FL	BLANK0000026844	195.0 km
Yes	WSVN	D7	DT	LIC	MIAMI, FL	BLCDDT20110127ABO	117.7
No	WFGC	D7	DT	CP	PALM BEACH, FL	BLANK0000034361	29.3
No	WFLA-TV	D7	DT	LIC	TAMPA, FL	BLCDDT20090612AAU	224.7
No	WNBW-DT	D8	DT	CP	GAINESVILLE, FL	BLANK0000027928	372.4
No	WNBW-DT	D8	DT	APP	GAINESVILLE, FL	BLANK0000034476	372.4
No	WGEN-TV	D8	DT	LIC	KEY WEST, FL	BLCDDT20090619ACO	319.0
No	W08ED-D	D8	LD	LIC	MARATHON, FL	BLDVL20120203AAN	262.4
No	W43CB-D	D8	LD	APP	MATECUMBE, FL	BLANK0000042705	131.6
No	WOFT-LD	D8	LD	LIC	Orlando, FL	BLANK0000013855	195.0
No	WDGT-LD	D9	LD	CP	MIAMI, FL	BLANK0000005692	118.6
Yes	WSVN	D9	DT	CP	MIAMI, FL	BLANK0000024852	117.7
No	WDGT-LD	D9	LD	LIC	MIAMI, FL	BLDVL20141014AAW	118.6
No	WFLA-TV	D9	DT	CP	TAMPA, FL	BLANK0000034735	224.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8

Mask: Full Service

Latitude: 27 1 32.00 N (NAD83)

Longitude: 80 10 41.90 W

Height AMSL: 264.9 m

HAAT: 0.0 m

Peak ERP: 2.00 kW

Antenna: DIE THB-C2 260.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.07 kW	260.8 m	52.4 km
45.0	0.006	263.5	19.9
90.0	0.000	263.5	1.2
135.0	0.262	263.0	42.5
180.0	1.73	260.6	55.8
225.0	1.58	259.1	55.1
270.0	1.45	259.2	54.5
315.0	1.98	261.7	56.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 261 m

Distance to Canadian border: 1641.0 km

Distance to Mexican border: 1668.6 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 325.2 degrees Distance: 78.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 308.7 degrees Distance: 2723.4 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

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Interference to BLCDT20110127ABO LIC scenario 1

\*\*IX: 0.67% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSVN	D7	DT	LIC	MIAMI, FL	BLCDT20110127ABO	
Undesireds:	WXOD-LD	D8	LD	LIC	West Palm Beach, FL	WXOD-DISP8	117.7 km
	WFLA-TV	D7	DT	LIC	TAMPA, FL	BLCDT20090612AAU	291.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36945.0		5,588,822		36945.0		5,588,822	0.72 0.67
				36930.9		5,588,822	
				36665.3		5,551,198	
Undesired		Total IX		Unique IX, before		Unique IX, after	
WXOD-LD D8 LD LIC		265.6		37,624		265.6	37,624
WFLA-TV D7 DT LIC		14.1		0		14.1	0

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Interference to BLANK0000024852 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSVN	D9	DT	CP	MIAMI, FL	BLANK0000024852	
Undesireds:	WXOD-LD	D8	LD	LIC	West Palm Beach, FL	WXOD-DISP8	117.7 km
	WFLA-TV	D9	DT	CP	TAMPA, FL	BLANK0000034735	291.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36398.8		5,588,752		36398.8		5,588,752	0.54 0.36
				36327.3		5,588,694	
				36131.1		5,568,727	
Undesired		Total IX		Unique IX, before		Unique IX, after	
WXOD-LD D8 LD LIC		199.2		19,967		196.2	19,967
WFLA-TV D9 DT CP		71.5		58		68.5	58

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Interference to BLANK0000024852 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSVN	D9	DT	CP	MIAMI, FL	BLANK0000024852	
Undesireds:	WXOD-LD	D8	LD	LIC	West Palm Beach, FL	WXOD-DISP8	117.7 km
	WFLA-TV	D9	DT	BL	TAMPA, FL	DTVBL64592	291.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36398.8		5,588,752		36398.8		5,588,752	0.55 0.36
				36381.7		5,588,752	
				36182.5		5,568,785	
Undesired		Total IX		Unique IX, before		Unique IX, after	
WXOD-LD D8 LD LIC		199.2		19,967		199.2	19,967
WFLA-TV D9 DT BL		17.1		0		17.1	0

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Interference to proposal scenario 1

4.40% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WXOD-LD	D8	LD	LIC	West Palm Beach, FL	WXOD-DISP8	
Undesireds:	WFGC	D7	DT	CP	PALM BEACH, FL	BLANK0000034361	29.3 km
	WDGT-LD	D9	LD	CP	MIAMI, FL	BLANK0000005692	118.6
Service area		Terrain-limited		IX-free		Percent IX	
6768.9	1,288,959	6768.9	1,288,959	6693.3	1,232,217	1.12	4.40
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WFGC D7 DT CP				75.6 56,742	75.6 56,742	1.12 4.40	