

INTERFERENCE ANALYSIS FOR W30EM-D, OCALA, FLORIDA (CHANNEL 30)

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: w30em700, Model: Longley-Rice

Study build station data: LMS TV 2021-10-29 #718

Proposal: W30EM700 D30 LD APP OCALA, FL
File number: w30em700
Facility ID: 187644
Station data: User record
Record ID: 4257
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	DWVCI-LP	N16+	TX	APP	ORLANDO, FL	BLTTL20030522AGC	132.1 km
No	DW23AQ	N23-	TX	APP	LAKE CITY, FL	BLTT19931215JE	90.9
No	WOCD-LD	N27-	TX	LIC	DUNNELLON, FL	BLTTL20090331AEX	39.3
No	WXPX-TV	D29	DT	LIC	BRADENTON, FL	BLANK0000105367	176.1
No	WTBZ-LP	N29z	TX	LIC	GAINESVILLE, FL	BLTTL20050907ABX	12.6
No	WGFL	D29	DT	LIC	HIGH SPRINGS, FL	BLANK0000100460	29.8
No	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	226.8
No	WSWF-LD	D29	LD	LIC	ORLANDO, FL	BLANK0000106247	147.8
No	WQXT-CD	D29	DC	LIC	ST. AUGUSTINE, FL	BLANK0000098976	115.0
No	WFXL	D29	DT	CP	ALBANY, GA	BLANK0000150485	255.6
No	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	386.9
No	K30QJ-D	D30	LD	CP	CHATAHOOCHEE, FL	BNPDTL20090825AHT	274.3
Yes	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	158.7
No	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	437.9
No	W30EE-D	D30	LD	LIC	JACKSONVILLE, FL	BLANK0000090922	126.7
No	W30FA-D	D30	LD	CP	JASPER, FL	BLANK0000156358	123.7
No	WWDI-CD	D30	DC	LIC	NAPLES, FL	BLANK0000108316	326.3
No	WWDI-CD	D30	DC	CP	NAPLES, FL	BLANK0000130436	326.3
No	DW45DJ-D	D30	LD	APP	PANAMA CITY, FL	BLANK0000123144	336.4
No	W30CY-D	D30	LD	CP	PONCE DE LEON, FL	BNPDTL20090825AUT	372.7
No	WVUP-CD	D30	DC	LIC	TALLAHASSEE, FL	BLANK0000120620	215.7
No	WRMD-CD	D30	DC	LIC	TAMPA, FL	BLANK0000091495	172.9
No	WVWW-LD	D30	LD	LIC	Vero Beach, FL	BLANK0000113947	281.7
No	W30EU-D	D30	LD	CP	ALBANY, GA	BNPDTL20090825CAA	280.5
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	388.5
No	WVCZ-LD	D30	LD	CP	VALDOSTA, GA	BLANK0000149751	182.2
No	WVCZ-LD	D30	LD	LIC	VALDOSTA, GA	BLANK0000001216	175.5
No	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	348.3
No	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	344.9
No	WODH-LD	D31	LD	LIC	Jacksonville, FL	BLANK0000108060	127.9
No	K31PL-D	D31	LD	CP	MADISON, FL	BNPDTL20090825AHL	157.8
No	WSCF-LD	D31	LD	CP	MELBOURNE, FL	BLANK0000117962	226.8
No	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	9.9
No	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	128.5
No	W31EG-D	D31	LD	LIC	TAMPA, FL	BLANK0000121903	156.0
No	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	217.1
No	WSWG	D31	DT	APP	VALDOSTA, GA	BLANK0000149841	217.1
No	WXCK-LD	N33	TX	LIC	CHIEFLAND, FL	BLTTL19960415IC	38.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 29 23 50.90 N (NAD83)
Longitude: 82 25 14.50 W
Height AMSL: 100.2 m
HAAT: 75.0 m
Peak ERP: 15.0 kW
Antenna: ERI-AL8M-30M-SP 0.0 deg
Elev Pattern: Generic
Elec Tilt: 0.75

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	79.4 m	40.8 km

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45.0	11.4	72.3	38.4
90.0	5.08	62.6	32.9
135.0	0.333	71.3	20.5
180.0	1.51	80.2	29.5
225.0	0.333	78.1	21.4
270.0	5.08	74.9	34.8
315.0	11.4	79.4	39.4

Distance to Canadian border: 1364.8 km

Distance to Mexican border: 1476.1 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 138.3 degrees Distance: 264.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 306.0 degrees Distance: 2388.9 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%

Interference to BLEDT20130801ABM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W30EM700	D30	LD	APP	OCALA, FL	w30em700	158.7 km
	WXPX-TV	D29	DT	LIC	BRADENTON, FL	BLANK0000105367	146.8
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	LIC	NAPLES, FL	BLANK0000108316	246.6
	WRMD-CD	D30	DC	LIC	TAMPA, FL	BLANK0000091495	145.2
	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	402.6
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	28623.4	3,377,737	28621.4	3,377,737	28330.5	3,353,253	28329.5	3,353,253	0.00 0.00

Undesired			Total IX	Unique IX, before	Unique IX, after
W30EM700 D30 LD APP	1.0		0		1.0 0
WXPX-TV D29 DT LIC	8.0		2,077	0.0 0	0.0 0
WMVJ-CD D29 DC LIC	18.0		1,173	18.0 1,173	18.0 1,173
WSCV D30 DT LIC	1.0		134	0.0 0	0.0 0
WWDT-CD D30 DC LIC	1.0		134	0.0 0	0.0 0
WRMD-CD D30 DC LIC	227.4		19,616	215.4 16,653	215.4 16,653
WOGX D31 DT LIC	43.5		3,695	43.5 3,695	43.5 3,695
WTMO-CD D31 DC LIC	6.0		886	2.0 0	2.0 0

Interference to BLEDT20130801ABM LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W30EM700	D30	LD	APP	OCALA, FL	w30em700	158.7 km
	WXPX-TV	D29	DT	LIC	BRADENTON, FL	BLANK0000105367	146.8
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	CP	NAPLES, FL	BLANK0000130436	246.6
	WRMD-CD	D30	DC	LIC	TAMPA, FL	BLANK0000091495	145.2
	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	402.6
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	28623.4	3,377,737	28621.4	3,377,737	28330.5	3,353,253	28329.5	3,353,253	0.00 0.00

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Undesired		Total IX	Unique IX, before		Unique IX, after	
W30EM700 D30 LD APP	1.0	0			1.0	0
WXPX-TV D29 DT LIC	8.0	2,077	0.0	0	0.0	0
WMVJ-CD D29 DC LIC	18.0	1,173	18.0	1,173	18.0	1,173
WSCV D30 DT LIC	1.0	134	0.0	0	0.0	0
WWDT-CD D30 DC CP	1.0	134	0.0	0	0.0	0
WRMD-CD D30 DC LIC	227.4	19,616	215.4	16,653	215.4	16,653
WOGX D31 DT LIC	43.5	3,695	43.5	3,695	43.5	3,695
WTMO-CD D31 DC LIC	6.0	886	2.0	0	2.0	0

Interference to proposal scenario 1
13.52% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W30EM700	D30	LD	APP	OCALA, FL	w30em700	
Undesireds:	WGFL	D29	DT	LIC	HIGH SPRINGS, FL	BLANK0000100460	29.8 km
	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	158.7
	WWDT-CD	D30	DC	LIC	NAPLES, FL	BLANK0000108316	326.3
	WVCZ-LD	D30	LD	CP	VALDOSTA, GA	BLANK0000149751	182.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	9.9

Service area	Terrain-limited	IX-free	Percent IX
3429.2 271,199	3429.2 271,199	2522.1 234,534	26.45 13.52

Undesired		Total IX	Unique IX		Prcnt Unique IX
WGFL D29 DT LIC	151.1	9,074	113.8	5,338	3.32 1.97
WEFS D30 DT LIC	3.0	156	0.0	0	0.00 0.00
WOGX D31 DT LIC	793.3	31,327	754.0	27,435	21.99 10.12
