

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WXAX-CD RELOC LWR HGT, Model: Longley-Rice
Start: 2022.06.09 19:06:07

Study created: 2022.06.09 19:05:04

Study build station data: LMS TV 2022-04-20

Proposal: WXAX-CD D26 DC APP CLEARWATER, FL
File number: WXAX-CD RELOC LWR HGT
Facility ID: 57538
Station data: User record
Record ID: 843
Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WFEF-LD	D25	LD	LIC	Orlando, FL	BLANK0000067989	114.7 km
No	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	0.0
No	W25ER-D	D25	LD	CP	VERO BEACH, FL	BNPDTL20100723AHA	165.8
No	W25ER-D	D25	LD	APP	VERO BEACH, FL	BLANK0000149823	165.7
No	WGVT-LD	D26	LD	CP	GAINESVILLE, FL	BLANK0000140066	213.8
No	WGVT-LD	D26	LD	LIC	GAINESVILLE, FL	BLDTL20080605AAQ	213.8
Yes	W26DP-D	D26	LD	LIC	INVERNESS, FL	BLDTT20100122AAL	119.5
No	W45BZ	D26+	LD	CP	JACKSONVILLE, FL	BLANK0000054939	281.7
No	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000072044	422.0
No	WLRN-TV	D26	DT	LIC	MIAMI, FL	BLANK0000123106	289.3
No	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	151.6
No	WHDN-CD	D26	DC	LIC	NAPLES, FL	BLANK0000001626	185.1
No	W26FI-D	D26	LD	CP	OKEECHOBEE, FL	BLANK0000071804	93.4
No	W26FI-D	D26	LD	APP	OKEECHOBEE, FL	BLANK0000149833	90.7
Yes	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLANK0000149963	146.8
Yes	WSNN-LD	D26	LD	LIC	SARASOTA, FL	BLANK0000059117	56.9
No	W26FH-D	D26	LD	CP	TALLAHASSEE, FL	BLANK0000071875	353.8
No	W26FJ-D	D26	LD	CP	VALDOSTA, GA	BNPDTL20090825CAF	348.3
No	WOCD-LD	D27	LD	LIC	DUNNELLON, FL	BLANK0000154197	140.0
No	WOCD-LD	D27	LD	CP	DUNNELLON, FL	BLANK0000188883	145.3
No	WOCD-LD	N27-	TX	LIC	DUNNELLON, FL	BLTTL20090331AEX	146.7
No	WLZE-LD	D27	LD	LIC	FORT MYERS, FL	BLANK0000185687	123.5
No	WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	144.6
Yes	WTBT-LD	D27	LD	LIC	TAMPA, FL	BLANK0000179693	3.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
 Mask: Full Service
 Latitude: 27 49 10.80 N (NAD83)
 Longitude: 82 15 38.00 W
 Height AMSL: 396.6 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: KAT-4X1-7500000044(RR) (ID 1008326) 300.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.10

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.674 kW	376.2 m	43.2 km
45.0	0.010	379.8	19.8
90.0	0.001	373.4	11.2
135.0	0.000	363.2	7.9
180.0	0.008	367.7	18.6
225.0	0.155	377.9	34.3
270.0	6.67	387.0	56.6
315.0	12.0	385.6	59.8

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 376 m

Distance to Canadian border: 1540.2 km

Distance to Mexican border: 1467.0 km

Conditions at FCC monitoring station: Vero Beach FL
 Bearing: 98.1 degrees Distance: 161.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 309.0 degrees Distance: 2508.0 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 BLDDT20100122AAL LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W26DP-D	D26	LD	LIC	INVERNESS, FL	BLDDT20100122AAL	
Undesireds:	WXAX-CD	D26	DC	BL	CLEARWATER, FL	DTVBL57538	116.4 km
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	119.5
	WGVV-LD	D26	LD	CP	GAINESVILLE, FL	BLANK0000140066	94.6
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	270.1
	W26FI-D	D26	LD	CP	OKEECHOBEE, FL	BLANK0000071804	186.0
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLANK0000149963	132.7
	WOCD-LD	D27	LD	LIC	DUNNELLON, FL	BLANK0000154197	21.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2742.5		177,400		2667.2		173,265	0.37 0.36
Undesired		Total IX		Unique IX, before		Unique IX, after	
WXAX-CD D26 DC BL		0.0		0		0	
WXAX-CD D26 DC APP		9.9		632		9.9 632	
WKMG-TV D26 DT LIC		75.3		4,135		75.3 4,135	

Interference to BLANK0000149963 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLANK0000149963	
Undesireds:	WXAX-CD	D26	DC	BL	CLEARWATER, FL	DTVBL57538	145.2 km
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	146.8
	WJGV-CD	D25	DC	LIC	PALATKA, FL	BLDTA20110519ACL	124.5

WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	146.8
WLRN-TV	D26	DT	LIC	MIAMI, FL	BLANK0000123106	304.5
WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	246.6
WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	4.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37098.4	3,815,932	37092.3	3,814,821	36560.3	3,775,345	36722.7	3,791,613	-0.44 -0.43

Undesired				Total IX		Unique IX, before		Unique IX, after
WXAX-CD D26 DC BL	217.0			21,703		202.1	16,927	
WXAX-CD D26 DC APP	41.7			1,060				39.7 659
WJGV-CD D25 DC LIC	243.2			5,668		243.2	5,668	243.2 5,668
WFTT-TV D25 DT LIC	3.0			1,068		0.0	0	1.0 667
WLRN-TV D26 DT LIC	1.0			0		0.0	0	0.0 0
WHDN-CD D26 DC CP	1.0			0		0.0	0	0.0 0
WRDQ D27 DT LIC	83.7			15,813		71.7	12,105	83.7 15,813

Interference to BLANK0000149963 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLANK0000149963	
Undesireds:	WXAX-CD	D26	DC	BL	CLEARWATER, FL	DTVBL57538	145.2 km
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	146.8
	WJGV-CD	D25	DC	LIC	PALATKA, FL	BLDTA20110519ACL	124.5
	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	146.8
	WLRN-TV	D26	DT	LIC	MIAMI, FL	BLANK0000123106	304.5
	WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	4.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37098.4	3,815,932	37092.3	3,814,821	36560.3	3,775,345	36722.7	3,791,613	-0.44 -0.43

Undesired				Total IX		Unique IX, before		Unique IX, after
WXAX-CD D26 DC BL	217.0			21,703		202.1	16,927	
WXAX-CD D26 DC APP	41.7			1,060				39.7 659
WJGV-CD D25 DC LIC	243.2			5,668		243.2	5,668	243.2 5,668
WFTT-TV D25 DT LIC	3.0			1,068		0.0	0	1.0 667
WLRN-TV D26 DT LIC	1.0			0		0.0	0	0.0 0
WRDQ D27 DT LIC	83.7			15,813		71.7	12,105	83.7 15,813

Interference to BLANK0000059117 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSNN-LD	D26	LD	LIC	SARASOTA, FL	BLANK0000059117	
Undesireds:	WXAX-CD	D26	DC	BL	CLEARWATER, FL	DTVBL57538	59.7 km
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	56.9
	WGVT-LD	D26	LD	CP	GAINESVILLE, FL	BLANK0000140066	266.8
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	111.0
	W26FI-D	D26	LD	CP	OKEECHOBEE, FL	BLANK0000071804	105.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5948.3	711,694	5948.3	711,694	5630.3	710,121	5717.3	710,308	-1.55 -0.03

Undesired				Total IX		Unique IX, before		Unique IX, after
WXAX-CD D26 DC BL	318.0			1,573		318.0	1,573	
WXAX-CD D26 DC APP	231.0			1,386				231.0 1,386

Interference to BLANK0000179693 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTBT-LD	D27	LD	LIC	TAMPA, FL	BLANK0000179693	
Undesireds:	WXAX-CD	D26	DC	BL	CLEARWATER, FL	DTVBL57538	0.0 km
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	3.1
	W26FI-D	D26	LD	CP	OKEECHOBEE, FL	BLANK0000071804	95.1
	WSNN-LD	D26	LD	LIC	SARASOTA, FL	BLANK0000059117	59.7
	WOCN-LD	D27	LD	LIC	DUNNELLON, FL	BLANK0000154197	136.9
	WWRJ-LD	D27	LD	LIC	JACKSONVILLE, FL	BLANK0000149999	280.8
	WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	143.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6371.8	2,636,455	6363.9	2,634,407	6272.1	2,602,654	6286.1	2,607,179	-0.22 -0.17

Undesired			Total IX	Unique IX, before	Unique IX, after
WXAX-CD D26 DC BL	38.9		14,942	14.0	4,525
WXAX-CD D26 DC APP	0.0		0		0.0
WSNN-LD D26 LD LIC	2.0		4,231	2.0	4,231
WRDQ D27 DT LIC	75.8		22,997	50.8	12,580
				75.8	22,997

Interference to proposal scenario 1
4.56% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WXAX-CD	D26	DC	APP	CLEARWATER, FL	WXAX-CD RELOC LWR HGT	
Undesireds:	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	0.0 km
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	151.6
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLANK0000149963	146.8

Service area	Terrain-limited	IX-free	Percent IX
4233.2 2,224,102	4223.2 2,224,029	3551.1 2,122,511	15.91 4.56

Undesired			Total IX	Unique IX	Prcnt Unique IX
WFTT-TV D25 DT LIC	672.1		101,518	655.1	15.51
WKMG-TV D26 DT LIC	17.0		556	0.0	0.00