

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: WVCi-LP N16 License, Model: Longley-Rice  
 Start: 2019.04.18 15:11:25

Study created: 2019.04.18 15:11:25

Study build station data: LMS TV 2019-04-18

Proposal: WVCi-LP N16+ TX LIC ORLANDO, FL  
 File number: WVCi-LP N16 License  
 Facility ID: 3601  
 Station data: User record  
 Record ID: 2541  
 Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WOTF-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	37.6 km
No	WOTF-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000034458	37.6
No	WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	199.7
No	WNFT-LD	D15	LD	LIC	GAINESVILLE, FL	BLDTL20110714ACG	160.7
No	WUJX-LD	D15	LD	CP	JACKSONVILLE, FL	BLANK0000051691	188.2
No	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	133.2
No	WL5CM-D	D15	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	117.8
No	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	141.6
No	WL6CA-D	D16	LD	CP	LAYTON, FL	BLANK0000001818	352.1
No	WL6DQ-D	D16	LD	LIC	LEALMAN, FL	BLANK0000033827	117.8
No	NEW	D16	LD	APP	MONTICELLO, FL	BNPDTL20090825BMD	323.7
No	WANA-LD	D16	LD	LIC	NAPLES, FL	BLDTL20131018ABP	268.4
Yes	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000034010	33.0
No	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	431.1
No	NEW	D16	LD	APP	QUINCY, FL	BNPDTL20090825AMZ	375.3
No	NEW	D16	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AAP	348.4
No	NEW	D16	LD	APP	TALLAHASSEE, FL	BNPDTL20090825BLQ	338.5
No	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	192.1
No	WL6CC-D	D16	LD	LIC	WEST GATE, FL	BLDTL20101112AQD	314.1
No	WL6CC-D	D16	LD	CP	WEST GATE, FL	BLANK0000029326	314.8
No	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	385.4
No	WMKH-LD	D16	LD	LIC	HILTON HEAD ISLAND, SC	BLDTL20121019ADL	410.6
No	WTCN-CA	D17	DC	CP	PALM BEACH, FL	BLANK0000033632	212.7
No	DWHRT-LD	D17z	LD	APP	SEBRING, ETC., FL	BLANK0000013279	122.2
No	WFTS-TV	D17	DT	CP	TAMPA, FL	BLANK0000034831	117.3

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WRLZ 1270 L DA2 D EATONVILLE, FL BL20090527AHT  
 WRLZ 1270 L DA2 N EATONVILLE, FL BL20090527AHT  
 WDBO 580 L DAN D ORLANDO, FL BL20030321ADD  
 WDBO 580 L DAN N ORLANDO, FL BL20030321ADD  
 WRSO 810 L DA2 D ORLOVISTA, FL BMML20150304ADE  
 WRSO 810 L DA2 N ORLOVISTA, FL BMML20150304ADE  
 WRSO 810 C DAD D ORLOVISTA, FL BP20160523AAT  
 WRSO 810 C DAD N ORLOVISTA, FL BP20160523AAT

Record parameters as studied:

Channel: N16+  
 Latitude: 28 35 35.00 N (NAD83)  
 Longitude: 81 25 13.00 W  
 Height AMSL: 135.0 m  
 HAAT: 0.0 m  
 Peak ERP: 9.20 kW  
 Antenna: AND-ALP8L1-HSER (ID 16977) 60.0 deg  
 Elev Pattern: Generic

71.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.23 kW	117.6 m	17.2 km
45.0	9.20	111.3	17.2
90.0	9.20	110.2	17.1
135.0	6.65	104.6	15.1
180.0	1.69	105.7	10.8
225.0	0.112	98.4	5.4
270.0	0.041	104.9	4.2
315.0	3.06	100.6	12.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 107 m

Distance to Canadian border: 1456.9 km

Distance to Mexican border: 1557.7 km

Conditions at FCC monitoring station: Vero Beach FL  
Bearing: 144.7 degrees    Distance: 134.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 306.8 degrees    Distance: 2520.2 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLANK0000034010 CP scenario 1

**\*\*IX: 20.57% interference caused**

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000034010	
Undesireds:	WVCI-LP	N16+	TX	LIC	ORLANDO, FL	WVCI-LP N16 License	33.0 km
	WOTF-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	43.6
	WFTS-TV	D17	DT	CP	TAMPA, FL	BLANK0000034831	142.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	6432.0	1,906,789	6432.0	1,906,789	6432.0	1,906,789	5731.1    1,514,584    10.90    20.57
Undesired				Total IX	Unique IX, before	Unique IX, after	
WVCI-LP N16+ TX LIC		700.9		392,205		700.9    392,205	

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Interference to proposal scenario 1

**99.35% interference received**

	Call	Chan	Svc	Status	City, State	File Number	Distance
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Undesireds:	WOTF-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	37.6 km
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	141.6
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000034010	33.0
	W16CC-D	D16	LD	LIC	WEST GATE, FL	BLDTL20101112AQD	314.1
	Service area		Terrain-limited		IX-free	Percent IX	
	557.3	633,718	557.3	633,718	5.0	4,139	99.11    99.35
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WCJB-TV D16 DT LIC		1.0		573	0.0	0	0.00    0.00
WRCF-CD D16 DC CP		552.3		629,579	551.3	629,006	98.93    99.26