

# INTERFERENCE ANALYSIS FOR W03BV-D, ORLANDO, FLORIDA (CHANNEL 3) (MODIFICATION OF CONSTRUCTION PERMIT)

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: w03bv030 #5262, Model: Longley-Rice

Study build station data: LMS TV 2022-01-14

Proposal: W03BV030 D3 LD APP Orlando, FL  
File number: w03bv030  
Facility ID: 187412  
Station data: User record  
Record ID: 4405  
Country: U.S.

Individual records excluded:

0000071959 DWVCI-LP D4+ LD APP ORLANDO, FL BLANK0000071959 (Cancelled facility record removed from study.)

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W03BU-D	D3	LD	LIC	Miami, FL	BLANK0000177215	318.7 km
No	WTSP	D4	LD	LIC	ST. PETERSBURG, FL	BLCDT20120301ADG	130.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D3  
Mask: Simple  
Latitude: 28 35 12.60 N (NAD83)  
Longitude: 81 4 57.50 W  
Height AMSL: 473.0 m  
HAAT: 460.0 m  
Peak ERP: 3.00 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	464.5 m	77.0 km
45.0	3.00	468.5	77.2
90.0	3.00	468.8	77.2
135.0	3.00	460.0	76.7
180.0	3.00	452.9	76.2
225.0	3.00	453.5	76.2
270.0	3.00	455.6	76.4
315.0	3.00	459.8	76.6

Distance to Canadian border: 1459.8 km

Distance to Mexican border: 1590.4 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 158.0 degrees Distance: 117.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 306.6 degrees Distance: 2547.1 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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W03BV030	D3	LD	APP	Orlando, FL	w03bv030	

	Service area		Terrain-limited		IX-free		Percent IX
18486.5	3,049,179	18478.6	3,047,795	18478.6	3,047,795	0.00	0.00

-----