tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WVCIL-LD D4 #2561, Model: Longley-Rice
Start: 2019.04.18 16:17:17

Study created: 2019.04.18 16:17:17

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

    Proposal: WVCI-LD D4 LD APP ORLANDO, FL
 File number: WVCIL-LD D4
 Facility ID: 3601
Station data: User record
   Record ID: 2543
     Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WMDF-LD	D4	LD	CP	MIAMI, FL	BLANK0000067117	336.4 km
No	WMDF-LD	D4	LD	LIC	MIAMI, FL	BLDVL20141003ABG	359.5
Yes	WTSP	D4	LD	LIC	ST. PETERSBURG, FL	BLCDT20120301ADG	98.6

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: D4
       Mask: Stringent
   Latitude: 28 35 39.50 N (NAD83)
  Longitude: 81 25 11.70 W
Height AMSL: 134.4 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	117.2 m	50.9 km
45.0	3.00	110.8	49.8
90.0	3.00	109.6	49.7
135.0	3.00	104.1	48.7
180.0	3.00	105.0	48.9
225.0	3.00	97.7	47.6
270.0	3.00	105.2	48.9
315.0	3.00	100.3	48.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 106 m

Distance to Canadian border: 1456.8 km

Distance to Mexican border: 1557.8 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 144.8 degrees   Distance: 134.1 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

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 BLCDT20120301ADG LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTSP	D4	LD	LIC	ST. PETERSBURG, FL	BLCDT20120301ADG	
Undesireds:	WVCI-LD	D4	LD	APP	ORLANDO, FL	WVCIL-LD D4	98.6 km

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
975.9	115,609	975.9	115,609	975.9	115,609	973.8	115,318	0.21	0.25

Undesired	Total IX		Unique IX, before		Unique IX, after	
WVCI-LD D4 LD APP	2.0	291			2.0	291

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVCI-LD	D4	LD	APP	ORLANDO, FL	WVCIL-LD D4	
Undesireds:	WMDF-LD	D4	LD	CP	MIAMI, FL	BLANK0000067117	336.4 km

Service area		Terrain-limited		IX-free		Percent IX	
7559.2	2,255,292	7551.2	2,255,169	7551.2	2,255,169	0.00	0.00