tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WANA-LD App, Model: Longley-Rice
Start: 2019.07.15 15:07:56

Study created: 2019.07.15 15:07:55

Study build station data: LMS TV 2019-07-15

    Proposal: WANA-LD D16 LD APP NAPLES, FL
 File number: WANA-LD App
 Facility ID: 67888
Station data: User record
   Record ID: 2606
     Country: U.S.

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

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	53.8 km
No	WKME-CD	D15	DC	LIC	KISSIMMEE, FL	BLANK0000004305	225.3
No	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	361.5
No	W16CL	D16+	LD	APP	KEY WEST, FL	BLANK0000071669	198.7
No	W16CL	N16+	TX	LIC	KEY WEST, FL	BLTTL20081002AFT	198.7
No	W16CA-D	D16	LD	LIC	LAYTON, FL	BLANK0000001634	186.5
No	W16CA-D	D16	LD	CP	LAYTON, FL	BLANK0000001818	152.8
No	W16DQ-D	D16	LD	LIC	LEALMAN, FL	BLANK0000033827	196.3
No	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000034010	257.1
No	WVCI-LP	N16+	TX	LIC	ORLANDO, FL	BLTTL20030522AGC	251.9
Yes	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	156.8
No	W16CC-D	D16	LD	LIC	WEST GATE, FL	BLDTL20101112AQD	158.1
No	W16CC-D	D16	LD	CP	WEST GATE, FL	BLANK0000029326	154.2
No	WKCF	D17	DT	LIC	CLERMONT, FL	BLCDT20020718AAR	257.1
No	WBEH-CD	D17	DC	LIC	MIAMI, FL	BLANK0000071638	154.2
No	W17DG-D	D17	LD	LIC	MIAMI, FL	BLDTL20110113AAB	156.4
No	WTCN-CD	D17	DC	LIC	PALM BEACH, FL	BLANK0000072130	170.1
No	DWHRT-LD	D17z	LD	APP	SEBRING, ETC., FL	BLANK0000013279	131.4
No	WFTS-TV	D17	DT	CP	TAMPA, FL	BLANK0000034831	175.5
No	WXDT-LP	N23z	TX	LIC	NAPLES, FL	BLTTL20020730ABD	18.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D16
       Mask: Full Service
   Latitude: 26 20 30.00 N (NAD83)
  Longitude: 81 42 37.50 W
Height AMSL: 203.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 1.25

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	197.8 m	52.0 km
45.0	15.0	197.0	52.0
90.0	15.0	197.6	52.0
135.0	15.0	199.0	52.1
180.0	15.0	199.3	52.1
225.0	15.0	200.4	52.2
270.0	15.0	201.6	52.3
315.0	15.0	198.9	52.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 199 m

Distance to Canadian border: 1705.6 km

Distance to Mexican border: 1517.5 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 36.9 degrees Distance: 176.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.1 degrees Distance: 2655.4 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%

Interference to BLANK0000001052 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	
Undesireds:	WANA-LD	D16	LD	APP	NAPLES, FL	WANA-LD App	156.8 km
	WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	139.7
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000034010	176.3
	WBEH-CD	D17	DC	LIC	MIAMI, FL	BLANK0000071638	129.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33446.6	3,198,486	33446.6	3,198,486	33370.9	3,173,825	33170.4	3,172,076	0.60	0.06

Undesired	Total IX		Unique IX, before		Unique IX, after	
WANA-LD D16 LD APP	209.6	1,806			200.5	1,749
WBBH-TV D15 DT LIC	10.0	57	10.0	57	1.0	0
WRCF-CD D16 DC CP	58.7	11,399	58.7	11,399	58.7	11,399
WBEH-CD D17 DC LIC	6.9	13,205	6.9	13,205	6.9	13,205

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WANA-LD	D16	LD	APP	NAPLES, FL	WANA-LD App	
Undesireds:	W16CL	D16+	LD	APP	KEY WEST, FL	BLANK0000071669	198.7 km
	W16CA-D	D16	LD	LIC	LAYTON, FL	BLANK0000001634	186.5
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	156.8
	W16CC-D	D16	LD	LIC	WEST GATE, FL	BLDTL20101112AQD	158.1

Service area		Terrain-limited		IX-free		Percent IX	
8523.8	939,086	8523.8	939,086	8497.6	938,243	0.31	0.09

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WPBF D16 DT LIC	26.2	843	26.2	843	0.31	0.09