

Study created: 2018.05.31 14:55:50

Study build station data: LMS TV 2018-05-31

Proposal: W40CU-D D32 LD LIC ST. PETERSBURG, FL

File number: BLDTL20100202ABT

Facility ID: 61201

Station data: User record

Record ID: 40

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Individual records excluded:

20101110AAI WTTA D32 DT LIC ST. PETERSBURG, FL BLCDT20101110AAI

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	152.7 km
No	WGCU	D31	DT	LIC	FORT MYERS, FL	BLEDT20130624AAN	151.5
No	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	173.2

No	W15CM-D	D31	LD APP	ORIENT CITY, FL	BLANK0000051679	38.1
No	WTMO-CD	D31	DC LIC	ORLANDO, FL	BLDTA20110815ACQ	153.2
No	W40CQ-D	D32	LD APP	ALACHUA, ETC., FL	BLANK0000053910	198.9
Yes	WHLV-TV	D32	DT CP	COCOA, FL	BLANK0000034686	184.0
No	W50CO	D32-	LD APP	JACKSONVILLE, FL	BLANK0000052065	295.9
No	WFOX-TV	D32	DT LIC	JACKSONVILLE, FL	BLCDT20030328ANQ	294.2
No	W32EA-D	D32	LD CP	KEY WEST, FL	BNPDTL20100302ABU	378.3
No	W32ER-D	D32	LD CP	MADISON, FL	BNPDTL20100513ALM	282.8
No	W32DJ-D	D32	LD LIC	MELBOURNE, FL	BLDTL20071009AKR	204.7
No	WBFS-TV	D32	DT LIC	MIAMI, FL	BLCDT20130909AAU	327.2
Yes	WXCW	D32	DT CP	NAPLES, FL	BLANK0000034571	152.7
No	WFSU-TV	D32	DT LIC	TALLAHASSEE, FL	BLEDT20030730ACW	331.7
No	W33BL	D33	LD CP	CHIEFLAND, FL	BLANK0000001084	180.4
No	WGCT-LD	D33	LD LIC	CRYSTAL RIVER, FL	BLANK0000004224	43.2
Yes	WGCT-LD	D33	LD CP	CRYSTAL RIVER, FL	BLANK0000029382	49.1
No	WDSC-TV	D33	DT LIC	NEW SMYRNA BEACH, FL	BLEDT20050121AKU	187.1
No	WOFL	D33	DT CP	ORLANDO, FL	BLANK0000034529	184.5
No	WRXY-TV	D33	DT APP	TICE, FL	BLANK0000035687	151.9
No	WRXY-TV	D33	DT LIC	TICE, FL	BLCDT20060627ABA	151.9
No	WDNP-LD	N36+	TX LIC	ST. PETERSBURG, FL	BLTT20020725AAC	23.1

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WHBO 1040 L DAN D PINELLAS PARK, FL BL20030729AJW

WHBO 1040 L DAN N PINELLAS PARK, FL BL20030729AJW

Record parameters as studied:

Channel: D32

Mask: Full Service

Latitude: 27 50 52.90 N (NAD83)

Longitude: 82 45 48.30 W

Height AMSL: 190.7 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: PSI PSILPD16AD-32-EP 25.0 deg

Elev Pattn: 16 bay slot vertical pattern

Elec Tilt: 1.70

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.14 kW	180.3 m	45.5 km
45.0	9.27	188.7	47.3
90.0	1.26	188.6	36.9
135.0	0.302	180.4	29.1
180.0	0.162	190.6	26.5
225.0	0.231	189.8	28.3
270.0	0.294	186.4	29.3
315.0	1.08	185.2	35.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 186 m

Distance to Canadian border: 1537.1 km

Distance to Mexican border: 1418.0 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 96.8 degrees Distance: 211.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 309.4 degrees Distance: 2467.7 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%

No IX check failures found.