

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Keyw27d15kwTUA70F, Model: Longley-Rice

Start: 2023.03.31 11:45:20

Study created: 2023.03.31 11:45:20

Study build station data: LMS TV 2023-03-28

Proposal: WGZT-LD D27 LD APP KEY WEST, FL

Facility ID: 6030

Station data: User record

Record ID: 1305

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W25DQ-D	N25	TX	LIC	KEY WEST, FL	BLTTTL20060425ABS	14.8 km
No	WLRN-TV	D26	DT	LIC	MIAMI, FL	BLANK0000123106	226.0
No	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000159121	217.1
No	WHDN-CD	D26	DC	LIC	NAPLES, FL	BLANK0000001626	183.4
No	WLZE-LD	D27	LD	LIC	FORT MYERS, FL	BLANK0000185687	249.9
No	WSFL-TV	D27	DT	LIC	MIAMI, FL	BLANK0000070454	223.3
No	WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	452.5
No	WTBT-LD	D27	LD	LIC	TAMPA, FL	BLANK0000179693	369.2
No	WHFT-TV	D28	DT	LIC	MIAMI, FL	BLANK0000071957	228.6
No	WZVN-TV	D28	DT	LIC	NAPLES, FL	BLANK0000107164	252.3
No	WYMI-LD	D28	LD	LIC	SUMMERLAND KEY, FL	BLANK0000179379	32.2
No	WYMI-LD	N28-	TX	LIC	SUMMERLAND KEY, FL	BLTTTL20060803ALL	32.2
No	W29CW-D	N29z	TX	LIC	DUCK KEY, FL	BLTTTL20050912ACC	89.4
No	DDWTVK-LP	N31	TX	APP	KEY WEST, FL	BLTTTL20090326ACP	5.5
No	DDWTVK-LP	N31	TX	APP	KEY WEST, FL	BPTTL20130529ASA	6.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Full Service
Latitude: 24 33 10.00 N (NAD83)
Longitude: 81 47 53.00 W
Height AMSL: 30.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 70.0 deg
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.138 kW	30.0 m	10.8 km
45.0	9.01	29.9	28.0
90.0	10.9	29.9	28.8
135.0	0.333	30.0	13.4
180.0	0.078	30.0	9.4
225.0	0.037	30.0	7.8
270.0	0.037	30.0	7.8
315.0	0.078	30.0	9.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 30 m

Distance to Canadian border: 1904.1 km

Distance to Mexican border: 1527.8 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 18.6 degrees Distance: 358.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 314.1 degrees Distance: 2783.6 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:	WGZT-LD	D27	LD	APP	KEY WEST, FL		
Undesireds:	WYMI-LD	D28	LD	LIC	SUMMERLAND KEY, FL	BLANK00000179379	32.2 km

	Service area		Terrain-limited		IX-free		Percent IX
868.8	33,939	868.8	33,939	868.8	33,939	0.00	0.00