

tvstudy v2.2.2
Database: localhost, Study: WFGC 12.1 KW, Model: Longley-Rice
Start: 2017.06.08 09:36:39

Study created: 2017.06.08 09:36:33

Study build station data: LMS TV 2017-06-02 (11)

Proposal: WFGC D7 DT LIC PALM BEACH, FL
File number: WFGC 12.1 KW
Facility ID: 11123
Station data: User record
Record ID: 403
Country: U.S.
Zone: III

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WACX	D7	DT	BL	LEESBURG, FL	DTVBL60018	220.3 km

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WJNO 1290 L DA2 D WEST PALM BEACH, FL BL19991213ABA
WJNO 1290 L DA2 N WEST PALM BEACH, FL BL19991213ABA

Record parameters as studied:

Channel: D7
Latitude: 26 45 48.00 N (NAD83)
Longitude: 80 12 17.80 W
Height AMSL: 128.1 m
HAAT: 123.0 m
Peak ERP: 12.1 kW
Antenna: DIE-THV-5A7-R-P220 2.0 deg

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.0 kW	122.8 m	79.1 km
45.0	5.59	123.3	73.3
90.0	1.90	123.9	65.1
135.0	6.73	123.2	74.7
180.0	11.7	122.8	78.9
225.0	2.20	122.9	66.1
270.0	0.011	122.2	29.2
315.0	3.37	121.7	69.1

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1669.6 km

Distance to Mexican border: 1666.1 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 335.7 degrees Distance: 102.9 km
ERP: 8.44 kW Field strength: 23.3 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 309.1 degrees Distance: 2739.7 km

Study cell size: 2.00 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 DTVBL60018 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WACX	D7	DT	BL	LEESBURG, FL	DTVBL60018	
Undesireds:	WFGC	D7	DT	BL	PALM BEACH, FL	DTVBL11123	220.3 km

WFGC	D7	DT	LIC	PALM BEACH, FL	WFGC 11.6 KW	220.3
WXGA-TV	D7	DT	BL	WAYCROSS, GA	DTVBL23929	326.2
WNBW-DT	D8	DT	BL	GAINESVILLE, FL	DTVBL83965	185.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
35292.2	3,949,125	35187.4	3,935,976	35159.3	3,934,270	35159.3	3,934,270	0.00 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
WFGC D7 DT BL	4.1	1	4.1	1		
WFGC D7 DT LIC	4.1	1			4.1	1
WXGA-TV D7 DT BL	24.0	1,705	24.0	1,705	24.0	1,705

Interference to proposal, scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WFGC	D7	DT	LIC	PALM BEACH, FL	WFGC 11.6 KW	
Undesireds: WACX	D7	DT	BL	LEESBURG, FL	DTVBL60018	220.3 km

Service area		Terrain-limited		IX-free		Percent IX
14766.6	2,872,780	14758.7	2,872,780	14671.5	2,864,896	0.59 0.27
Undesired		Total IX		Unique IX		Prcnt Unique IX
WACX D7 DT BL	87.2	7,884	87.2	7,884		0.59 0.27