

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W33E0 CH 3 Proposed Facility, Model: Longley-Rice
Start: 2023.03.31 15:34:36

Study last edited: 2023.03.31 15:34:08

Proposal: W33E0-D D3 LD CP TALLAHASSEE, FL
File number: W33E0 CH 3 Proposed Facility
Facility ID: 182367
Station data: User record
Record ID: 156
Country: U.S.

Proposal "before": (none)

Study has been edited. Stations studied for impact of proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
W04DX-D	D4	LD	CP	TALLAHASSEE, FL	W04DX MINOR MOD	0.0 km

Record parameters as studied:

Channel: D3
Mask: Full Service
Latitude: 30 34 28.00 N (NAD83)
Longitude: 84 12 9.00 W
Height AMSL: 62.3 m
HAAT: 18.3 m
Peak ERP: 1.88 kW
Antenna: SCA-CL-24 (ID 20780) 210.0 deg
Elev Patrn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	12.7 m	6.3 km
45.0	0.004	15.3	6.6
90.0	0.000	11.3	3.1
135.0	0.004	22.1	6.7
180.0	0.819	26.9	24.6
225.0	1.49	16.8	27.6
270.0	0.012	18.3	9.0
315.0	0.000	22.7	3.1

Distance to Canadian border: 1241.5 km

Distance to Mexican border: 1345.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 352.5 degrees Distance: 368.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 304.9 degrees Distance: 2173.3 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 W04DX MINOR MOD CP scenario 1
Proposal causes no interference.

Interference to proposal scenario 1
21.66% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W33E0-D	D3	LD	CP	TALLAHASSEE, FL	W33E0 CH 3 Proposed Fa	
Undesireds:	W04DX-D	D4	LD	CP	TALLAHASSEE, FL	BNPDTL20090825AMC	22.1 km
	W04DX	D4	LD	APP	TALLAHASSEE, FL	NEW	0.0
Service area		Terrain-limited		IX-free		Percent IX	
641.5	236,242	618.5	235,859	417.6	184,780	32.48	21.66
Undesired	Total IX		Unique IX		Prcnt Unique IX		
W04DX-D D4 LD CP	200.9		51,079	200.9	51,079	32.48	21.66