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Consulting Engineer

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WVDO CH4 CL-46 FSM, Model: Longley-Rice
Start: 2018.04.22 13:30:21

Study created: 2018.04.22 13:30:21

Study build station data: LMS TV 2018-04-16

Proposal: WVDO-LD CH4 D4 LD LIC CAROLINA, PR
File number: WVDO CH4 CL-46
Facility ID: 183026
Station data: User record
Record ID: 206
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

All APP records excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
	Number	Distance				
Yes	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	
	BLDVL20140317ABW		27.1	km		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D4
Mask: Full Service
Latitude: 18 16 38.80 N (NAD83)
Longitude: 65 51 10.60 W
Height AMSL: 803.0 m
HAAT: 589.5 m
Peak ERP: 3.00 kW
Antenna: CL-46 AT 40 AND 320 270.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.266 kW	700.6 m	65.6 km
45.0	0.010	502.5	32.0
90.0	0.003	262.5	17.4
135.0	0.010	638.8	36.2
180.0	0.266	689.1	65.2
225.0	2.80	657.2	84.7
270.0	2.42	588.2	81.4
315.0	2.80	677.4	85.3

Distance to Canadian border: 2947.0 km

Distance to Mexican border: 3302.7 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 241.3 degrees Distance: 62.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.3 degrees Distance: 4472.0 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 BLDVL20140317ABW LIC scenario 1

Number	Call	Chan	Svc	Status	City, State	File
		Distance				
Desired:	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	
BLDVL20140317ABW						
Undesireds:	WVDO-LD	CH4D4	LD	LIC	CAROLINA, PR	WVDO
CH4 CL-46		27.1 km				

	Service area		Terrain-limited		IX-free, before
IX-free, after	Percent	New IX			
7194.7	2,063,628	7088.2	2,026,534	7088.2	2,026,534
7042.9	2,002,476	0.64	1.19		
Undesired			Total IX		Unique IX, before
Unique IX, after					
WVDO-LD CH4 D4 LD LIC		45.3	24,058		
45.3	24,058				

 Interference to proposal scenario 1

Number	Call	Chan	Svc	Status	City, State	File
		Distance				
Desired:	WVDO-LD	CH4D4	LD	LIC	CAROLINA, PR	WVDO
CH4 CL-46						
Undesireds:	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	
BLDVL20140317ABW		27.1 km				
	Service area		Terrain-limited		IX-free	
Percent IX						
12422.6	2,633,467	12119.1	2,555,958	12088.5	2,547,976	0.25
0.31						
Undesired			Total IX		Unique IX	Prcnt
Unique IX						
WZNA-LD D3 LD LIC		30.5	7,982	30.5	7,982	0.25
0.31						