

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WOLE App #2390, Model: Longley-Rice
Start: 2018.12.18 10:19:39

Study created: 2018.12.18 10:19:39

Study build station data: LMS TV 2018-12-18

Proposal: WOLE-DT D12 DT APP AGUADILLA, PR
File number: WOLE App
Facility ID: 71725
Station data: User record
Record ID: 2368
Country: U.S.
Zone: II

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WLII-DT	D11	DT	LIC	CAGUAS, PR	BLANK0000001042	93.7 km
Yes	WORO-DT	D13	DT	LIC	FAJARDO, PR	BLCDT20131112BKR	127.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12
Latitude: 18 8 56.00 N (NAD83)
Longitude: 66 59 20.00 W
Height AMSL: 898.6 m
HAAT: 606.0 m
Peak ERP: 44.0 kW
Antenna: ERI ATW6V8-ESWC-12H 0.0 deg
Elev Pattn: Generic
Elec Tilt: 2.00

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	43.3 kW	567.1 m	124.4 km
45.0	19.6	518.6	113.7
90.0	5.64	116.3	72.0
135.0	19.6	632.2	119.9
180.0	43.3	802.4	134.2
225.0	36.8	795.2	132.2
270.0	34.5	773.7	131.0
315.0	36.8	642.9	127.5

ERP exceeds maximum
ERP: 44.0 kW ERP maximum: 30.5 kW

Distance to Canadian border: 2959.7 km

Distance to Mexican border: 3195.7 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 103.7 degrees Distance: 66.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.9 degrees Distance: 4391.8 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 BLANK0000001042 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WLII-DT	D11	DT	LIC	CAGUAS, PR	BLANK0000001042	
Undesireds:	WOLE-DT	D12	DT	BL	AGUADILLA, PR	DTVBL71725	93.1 km
	WOLE-DT	D12	DT	APP	AGUADILLA, PR	WOLE App	93.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
30932.1	2,801,102	28715.5	2,591,533	28045.6	2,591,249	28530.9	-1.73 -0.01
Undesired			Total IX	Unique IX, before		Unique IX, after	
WOLE-DT D12 DT BL		670.0	284	670.0	284		
WOLE-DT D12 DT APP		184.6	0			184.6	0

Interference to BLCDDT20131112BKR LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WORO-DT	D13	DT	LIC	FAJARDO, PR	BLCDDT20131112BKR	
Undesireds:	WOLE-DT	D12	DT	BL	AGUADILLA, PR	DTVBL71725	126.7 km
	WOLE-DT	D12	DT	APP	AGUADILLA, PR	WOLE App	127.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
51861.1	3,375,571	50944.1	3,180,107	49027.3	3,118,760	49737.0	-1.45 -1.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
WOLE-DT D12 DT BL		1916.8	61,347	1916.8	61,347		
WOLE-DT D12 DT APP		1207.1	30,017			1207.1	30,017

Interference to proposal scenario 1
7.15% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WOLE-DT	D12	DT	APP	AGUADILLA, PR	WOLE App	
Undesireds:	WLII-DT	D11	DT	LIC	CAGUAS, PR	BLANK0000001042	93.7 km
	WORO-DT	D13	DT	LIC	FAJARDO, PR	BLCDDT20131112BKR	127.3
Service area		Terrain-limited		IX-free		Percent IX	
46058.5	1,858,709	45438.1	1,617,760	45142.2	1,502,159	0.65	7.15
Undesired			Total IX	Unique IX		Prcnt Unique IX	
WLII-DT D11 DT LIC		151.9	62,959	12.0	10,726	0.03	0.66
WORO-DT D13 DT LIC		283.9	104,875	144.0	52,642	0.32	3.25