

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000156039 #1316, Model: Longley-Rice

Start: 2024.01.01 16:37:45

Study created: 2024.01.01 16:37:45

Study build station data: LMS TV 2023-12-27

Proposal: W33ED-D D33 LD LIC MOD. APP ASRN 1283788

File number: BLANK0000156039

Facility ID: 181832

Station data: User record

Record ID: 788

Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSJU-LD	D32-	LD	LIC	CEIBA, PR	BLANK0000152502	0.2 km
No	W32FB-D	D32	LD	LIC	CEIBA, PR	BLANK0000156352	40.8
No	WIPM-TV	D32	DT	LIC	MAYAGUEZ, PR	BLANK0000199928	139.4
No	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	111.5
Yes	W33EL-D	D33	LD	LIC	CAGUAS, PR	BLANK0000202712	37.5
No	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	139.4
No	W34FK-D	D34	LD	LIC	ANASCO, PR	BLANK0000148547	139.5
Yes	WIDP	D34	DT	LIC	GUAYAMA, PR	BLANK0000078426	19.3
No	WWKQ-LD	D34-	LD	LIC	QUEBRADILLAS, PR	BLANK0000189709	134.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33

Mask: Full Service

Latitude: 18 16 47.90 N (NAD83)

Longitude: 65 40 9.00 W

Height AMSL: 306.4 m

HAAT: 0.0 m

Peak ERP: 3.00 kW

Antenna: KAT-75010210 (ID 1003083) 35.0 deg

Elev Pattn: Generic

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.17 kW	287.3 m	41.5 km
45.0	2.79	301.1	46.9
90.0	0.312	306.2	35.1
135.0	0.016	299.4	19.6
180.0	0.005	285.4	13.7
225.0	0.020	263.9	19.1
270.0	0.015	-230.8	6.1
315.0	0.015	194.3	15.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 213 m

Distance to Canadian border: 2947.3 km

Distance to Mexican border: 3320.7 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 247.8 degrees    Distance: 80.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.2 degrees    Distance: 4486.3 km

Study cell size: 0.50 km

Profile point spacing: 0.05 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000202712 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W33EL-D	D33	LD	LIC	CAGUAS, PR	BLANK0000202712	
Undesireds:	W33ED-D	D33	LD	LIC	3KW A.VAZQUEZ FSM, PR	BLANK0000156039	37.5 km
	W32FB-D	D32	LD	LIC	CEIBA, PR	BLANK0000156352	3.7
	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	102.0

WIDP	D34	DT	LIC	GUAYAMA, PR	BLANK0000078426	18.2	
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
1945.5 1,407,949	1646.3	1,153,656	1613.8	1,139,552	1612.3	1,139,198	0.09 0.03
Undesired	Total IX		Unique IX, before		Unique IX, after		
W33ED-D D33 LD LIC	5.9	411			1.5	354	
W32FB-D D32 LD LIC	20.9	12,346	19.0	12,058	18.5	12,053	
WJWN-TV D33 DT LIC	3.2	967	1.5	679	1.5	679	
WIDP D34 DT LIC	10.4	1,079	10.1	1,079	6.2	1,027	

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Interference to BLANK0000078426 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIDP	D34	DT	LIC	GUAYAMA, PR	BLANK0000078426	
Undesireds:	W33ED-D	D33	LD	LIC	3KW A.VAZQUEZ FSM, PR	BLANK0000156039	19.3 km
	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	120.2
	WCCV-TV	D35	DT	LIC	ARECIBO, PR	BLANK0000076642	95.9

Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24006.2 2,559,821	21975.2	2,353,835	21700.9	2,347,918	21663.5	2,347,918	0.17 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
W33ED-D D33 LD LIC	37.4	0			37.4	0	
WJWN-TV D33 DT LIC	263.7	0	263.7	0	263.7	0	
WCCV-TV D35 DT LIC	10.6	5,917	10.6	5,917	10.6	5,917	

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Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W33ED-D	D33	LD	LIC	3KW A.VAZQUEZ FSM, PR	BLANK0000156039	
Undesireds:	WSJU-LD	D32-	LD	LIC	CEIBA, PR	BLANK0000152502	0.2 km
	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	139.4
	WIDP	D34	DT	LIC	GUAYAMA, PR	BLANK0000078426	19.3

Service area	Terrain-limited		IX-free		Percent IX	
2510.5 98,380	2423.8	81,044	2416.7	80,989	0.29	0.07
Undesired	Total IX		Unique IX		Prct Unique IX	

WSJU-LD D32- LD LIC	3.2	55	3.2	55	0.13	0.07
WJWN-TV D33 DT LIC	3.9	0	3.0	0	0.12	0.00
WIDP D34 DT LIC	1.0	0	0.0	0	0.00	0.00