

WSJP-LD Present Operation Interference Study

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WSJP AGUADILLA 1X1, Model: Longley-Rice

Start: 2024.03.17 11:22:46

Study created: 2024.03.17 11:22:46

Study build station data: LMS TV 2024-03-14

Proposal: WSJP-LD D14 LD LIC AGUADILLA, PR
File number: BLANK0000143062
Facility ID: 127507
Station data: LMS TV 2024-03-14
Record ID: 25076ff379edbd630179fbb28be013e5
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WVQS-LD	D14	LD	LIC	ISABEL SEGUNDA, PR	BLANK0000155001	143.6 km
No	WVQS-LD	D14	LD	CP	ISABEL SEGUNDA, PR	BLANK0000052580	143.6
Yes	WTIN-TV	D14	DT	LIC	PONCE, PR	BLANK0000148086	66.2
No	WMTJ	D15	DT	LIC	FAJARDO, PR	BLANK0000065487	143.5
No	WKHD-LD	D15	LD	LIC	Mayaguez, PR	BLANK0000126646	11.1
No	WUSP-LD	D15	LD	LIC	PONCE, PR	BLANK0000113352	69.1

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WVOZ 1580 L DAD D AGUADILLA, PR BL20180911ADH

WVOZ 1580 L DAD N AGUADILLA, PR BL20180911ADH

Record parameters as studied:

Channel: D14
Mask: Full Service
Latitude: 18 24 16.20 N (NAD83)
Longitude: 67 9 6.00 W
Height AMSL: 106.6 m
HAAT: 0.0 m
Peak ERP: 0.450 kW
Antenna: SCA-PR-450CU (ID 23500) 0.0 deg
Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.450 kW	63.2 m	22.8 km
45.0	0.003	-14.8	4.4
90.0	0.000	-105.0	3.4
135.0	0.000	15.3	3.3
180.0	0.000	39.2	2.9
225.0	0.000	64.1	4.4
270.0	0.001	106.6	6.6
315.0	0.002	106.6	8.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 34 m

Distance to Canadian border: 2931.3 km

Distance to Mexican border: 3169.5 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 118.3 degrees Distance: 93.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.8 degrees Distance: 4360.0 km

No land mobile station failures found

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 BLANK0000148086 LIC scenario 1

****IX: 0.51% interference caused**

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTIN-TV	D14	DT	LIC	PONCE, PR	BLANK0000148086	
Undesireds:	WSJP-LD	D14	LD	LIC	AGUADILLA, PR	BLANK0000143062	66.2 km
	WMTJ	D15	DT	LIC	FAJARDO, PR	BLANK0000065487	84.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
50041.9 3,716,312	49515.8 3,602,363	49151.3 3,482,137	49016.5 3,464,230	0.27 0.51

Undesired	Total IX	Unique IX, before	Unique IX, after
WSJP-LD D14 LD LIC 134.8	17,907	134.8	17,907
WMTJ D15 DT LIC 364.6	120,226	364.6	120,226

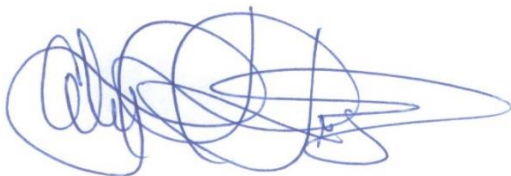
Interference to proposal scenario 1

39.13% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSJP-LD	D14	LD	LIC	AGUADILLA, PR	BLANK0000143062	
Undesireds:	WVQS-LD	D14	LD	LIC	ISABEL SEGUNDA, PR	BLANK0000155001	143.6 km
	WTIN-TV	D14	DT	LIC	PONCE, PR	BLANK0000148086	66.2

Service area	Terrain-limited	IX-free	Percent IX
242.0 51,904	227.2 47,652	65.9 29,007	70.99 39.13

Undesired	Total IX	Unique IX	Prcnt Unique IX
WTIN-TV D14 DT LIC 161.3	18,645	161.3	70.99 39.1



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