

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: CP Mod, Model: Longley-Rice  
Start: 2022.09.08 17:39:19

Study created: 2022.09.08 17:39:19

Study build station data: LMS TV 2022-09-08

Proposal: WIPM-TV D32 DT CP MAYAGUEZ, PR  
File number: CP Mod  
Facility ID: 53863  
Station data: User record  
Record ID: 776  
Country: U.S.  
Zone: II

Search options:  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WNJX-TV	D31	DT	LIC	MAYAGUEZ, PR	BLANK0000152412	0.0 km
Yes	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Latitude: 18 8 51.60 N (NAD83)  
Longitude: 66 58 57.10 W  
Height AMSL: 997.9 m  
HAAT: 690.3 m  
Peak ERP: 583 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 1.25

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	583 kW	673.6 m	120.2 km
45.0	583	561.8	114.5
90.0	583	215.9	81.9
135.0	583	716.6	122.3
180.0	583	896.7	129.0
225.0	583	888.4	128.7
270.0	583	860.4	127.8
315.0	583	708.9	121.9

ERP exceeds maximum  
ERP: 583 kW ERP maximum: 256 kW

Distance to Canadian border: 2959.8 km

Distance to Mexican border: 3196.4 km

\*\*The Proposal is within coordination distance of the FCC monitoring station  
 Conditions at FCC monitoring station: Santa Isabel PR  
 Bearing: 103.8 degrees Distance: 66.1 km  
 ERP: 583 kW HAAT: 481.9 m Field strength: 65.3 dBu, 1.8 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 311.9 degrees Distance: 4392.4 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%

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 Interference to BLANK0000152412 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNJX-TV	D31	DT	LIC	MAYAGUEZ, PR	BLANK0000152412	
Undesireds:	WIPM-TV	D32	DT	BL	MAYAGUEZ, PR	DTVBL53863	0.1 km
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	CP Mod	0.0
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	94.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39336.3 1,628,732	38559.8 1,408,042	38523.8 1,387,442	38539.8 1,396,636	-0.04 -0.66

Undesired	Total IX	Unique IX, before	Unique IX, after
WIPM-TV D32 DT BL	16.0 9,194	16.0 9,194	
WIPM-TV D32 DT CP	0.0 0		0.0 0
WRFB D30 DT CP	20.0 11,406	20.0 11,406	20.0 11,406

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 Interference to BLANK0000123459 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJWN-TV	D33	DT	LIC	SAN SEBASTIAN, PR	BLANK0000123459	
Undesireds:	WIPM-TV	D32	DT	BL	MAYAGUEZ, PR	DTVBL53863	0.1 km
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	CP Mod	0.0
	WIDP	D34	DT	LIC	GUAYAMA, PR	BLANK0000078426	120.2

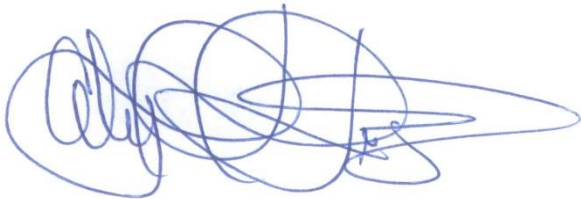
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36001.6 2,063,156	35409.2 1,758,721	35385.2 1,735,726	35385.2 1,739,274	0.00 -0.20

Undesired	Total IX	Unique IX, before	Unique IX, after
WIPM-TV D32 DT BL	12.0 3,548	12.0 3,548	
WIPM-TV D32 DT CP	12.0 0		12.0 0
WIDP D34 DT LIC	12.0 19,447	12.0 19,447	12.0 19,447

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	CP Mod	

	Service area		Terrain-limited		IX-free		Percent IX
44958.2	2,280,935	44337.8	1,983,333	44337.8	1,983,333	0.00	0.00



Alejandro Luciano PE  
Consulting Engineer  
PO Box 194528  
San Juan, Puerto Rico 00919-4528  
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