

# W32DV-D LICENSED FACILITY ON CH 32 POST REPACK TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000010684 #1010, Model: Longley-Rice

Start: 2018.04.28 13:32:26

Study created: 2018.04.28 13:31:28

Study build station data: LMS TV 2018-04-27

Proposal: W32DV-D D32 LD LIC ARROYO, PR

File number: BLANK0000010684

Facility ID: 182687

Station data: LMS TV 2018-04-27

Record ID: 25076f9153aedc3a0153b590e0d1049e

Country: U.S.

Search options:

Baseline record excluded if station has CP

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	30.5 km
No	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	0.0
Yes	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	94.2
No	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
Yes	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
Yes	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	119.0
No	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	73.0
No	W33CY-D	D33	LD	LIC	ANASCO, PR	BLDTL20140404AAX	119.0
Yes	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2
No	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	128.9

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

Mask: Full Service

Latitude: 17 59 28.00 N (NAD83)  
Longitude: 66 6 23.70 W  
Height AMSL: 286.5 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: ANT-ACS8AR (ID 17789) 180.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.50

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.013 kW	-169.0 m	6.0 km
45.0	0.013	-101.6	6.0
90.0	12.2	219.8	50.4
135.0	13.0	286.0	54.5
180.0	15.0	285.2	55.2
225.0	13.0	281.0	54.2
270.0	12.2	212.2	50.0
315.0	0.013	-231.0	6.0

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 98 m

Distance to Canadian border: 2978.1 km

Distance to Mexican border: 3289.0 km

Conditions at FCC monitoring station: Santa Isabel PR  
Bearing: 273.2 degrees    Distance: 28.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 311.7 degrees    Distance: 4473.0 km

Study cell size: 0.50 km  
Profile point spacing: 0.50 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 BLANK0000036801 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	30.5 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	1.4
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	95.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2898.4	1,186,380	1944.0	972,345	1670.6	652,437	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DV-D D32 LD LIC			0.2	0		0.2	0
WRFB D30 DT CP			266.8	317,903	250.5	308,229	
WNJX-TV D31 DT CP			22.9	11,679	6.6	2,005	

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Interference to BLANK0000029719 CP scenario 1

\*\*IX: 1.02% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	94.8
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	39378.4	1,629,023	38781.1	1,437,783	38750.1	1,423,893	0.12 1.02
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DV-D D32 LD LIC			45.4	14,585		45.4	14,585
WRFB D30 DT CP			13.3	7,838	13.3	7,838	
WIPM-TV D32 DT CP			17.7	6,052	17.7	6,052	

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Interference to BLANK0000024551 CP scenario 1

\*\*IX: 4.70% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	

Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 km
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
44277.1	2,196,114	43774.9	1,869,967	43770.5	1,868,885	42629.5	1,781,121	2.61 4.70

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DV-D D32 LD LIC	1141.0	87,764		1141.0 87,764
WNJX-TV D31 DT CP	4.4	1,082	4.4 1,082	4.4 1,082

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Interference to BLDTL20140916ACJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	119.0 km
	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	115.7
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	28.0
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	28.0
	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	48.1
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	28.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
7002.1	846,876	6092.7	632,415	1656.8	349,330	1656.3	349,330	0.03 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DV-D D32 LD LIC	191.5	129		0.5 0
WNJX-TV D31 DT CP	869.1	24,632	5.4 1,282	5.2 1,282
WIPM-TV D32 DT CP	4428.9	281,587	3417.9 249,874	3417.9 249,874
W28EQ-D N32+ TX LIC	3.9	457	1.5 216	1.5 216
WJWN-TV D33 DT CP	889.3	17,639	0.0 0	0.0 0

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Interference to BLANK0000027870 CP scenario 1

\*\*IX: 0.83% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 km
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.0

WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	120.2
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
35366.6 1,959,488	34914.9 1,730,546	34883.3 1,715,876	34832.2 1,701,647	0.15 0.83		
Undesired	Total IX	Unique IX, before	Unique IX, after			
W32DV-D D32 LD LIC	51.1 14,229		51.1 14,229			
WIPM-TV D32 DT CP	26.6 2,323	26.6 2,323	26.6 2,323			
WIDP D34 DT CP	4.9 12,347	4.9 12,347	4.9 12,347			

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Interference to proposal scenario 1  
11.20% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	30.5 km
	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2

Service area	Terrain-limited	IX-free	Percent IX
5528.7 258,719	5157.8 214,052	1640.6 190,070	68.19 11.20
Undesired	Total IX	Unique IX	Prcnt Unique IX
W31DL-D D31 LD LIC	3.2 1,432	0.0 0	0.00 0.00
WIPM-TV D32 DT CP	3517.2 23,982	3513.3 22,550	68.12 10.53
WJWN-TV D33 DT CP	0.7 0	0.0 0	0.00 0.00

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Interference to proposal scenario 2  
11.20% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	0.0 km
	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2

Service area	Terrain-limited	IX-free	Percent IX
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5528.7	258,719	5157.8	214,052	1640.3	190,070	68.20	11.20
Undesired			Total IX		Unique IX	Prcnt Unique IX	
W31DV-D D31 LD LIC	0.5	0	0.2	0	0.00	0.00	
W31DL-D D31 LD LIC	3.2	1,432	0.0	0	0.00	0.00	
WIPM-TV D32 DT CP	3517.2	23,982	3513.1	22,550	68.11	10.53	
WJWN-TV D33 DT CP	0.7	0	0.0	0	0.00	0.00	