

# W36EP-D PROPOSED FACILITY ON CH 35 POST REPACK TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000030184 #980, Model: Longley-Rice

Start: 2018.04.26 11:37:13

Study created: 2018.04.26 11:37:13

Study build station data: LMS TV 2018-04-25

Proposal: DW48DT-D D35 LD STA GUAYANILLA, PR

File number: BLANK0000030184

Facility ID: 181870

Station data: User record

Record ID: 430

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
No	WPRU-LP	N20z	TX	LIC	AQUADILLA, PR	BLTTL20101020ABE	55.9 km
No	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	22.8
Yes	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	97.2
No	WWKQ-LD	D34-	LD	APP	QUEBRADILLAS, PR	BLANK0000051821	48.4
No	W34ED-D	D34	LD	LIC	TRUJILLO ALTO, PR	BLDTL20140404AAY	70.7
No	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	138.3
Yes	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	17.3
No	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	43.2
No	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	43.2
No	WXWZ-LD	D36	LD	APP	GUAYAMA, PR	BLANK0000052871	70.7
Yes	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	26.0
Yes	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	0.2
Yes	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	10.5
No	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	192.6
No	WIVE-LP	N42-	TX	LIC	CEIBA, PR	BLTTL20030128ABW	116.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35  
Mask: Full Service  
Latitude: 18 4 41.00 N (NAD83)  
Longitude: 66 44 54.00 W  
Height AMSL: 665.1 m  
HAAT: 0.0 m  
Peak ERP: 10.0 kW  
Antenna: PSILP8BG (ID 17800) 180.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.50

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.441 kW	-70.2 m	13.8 km
45.0	0.552	-89.6	14.6
90.0	7.92	421.2	58.0
135.0	4.22	550.8	58.4
180.0	1.30	630.6	52.6
225.0	4.22	566.6	58.7
270.0	7.92	443.7	58.9
315.0	0.552	-97.7	14.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 294 m

Distance to Canadian border: 2967.6 km

Distance to Mexican border: 3222.2 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 101.5 degrees    Distance: 40.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.9 degrees    Distance: 4416.0 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 BLANK0000025304 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	97.2 km
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	120.2
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	95.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	24002.1	2,561,120	21754.5	2,325,306	21502.2	2,319,202	21498.9 2,319,202 0.01 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA	16.0		0		3.2		0
WJWN-TV D33 DT CP	238.3		0		238.3		0
WCCV-TV D35 DT CP	14.0		6,104		14.0		6,104

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Interference to BLANK0000026046 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	17.3 km
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	27.5
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	17.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	22589.5	3,419,212	18310.6	2,604,992	17497.3	2,562,476	16708.9 2,550,255 4.51 0.48
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA	1580.5		47,006		788.4		12,221
WIDP D34 DT CP	10.3		4,847		10.1		4,828
WIMN-CD D36 DC CP	14.8		3,011		14.5		2,992
WVOZ-TV D36 DT CP	788.4		34,677		788.4		34,677
					2.2		63

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Interference to BLANK0000026046 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	17.3 km
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9
	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	27.5
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	17.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	22589.5	3,419,212	18310.6	2,604,992	17476.6	2,556,517	16688.5 2,544,296 4.51 0.48
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA	1580.5		47,006		788.2 12,221		
WIDP D34 DT CP	10.3		4,847		10.1 4,828		4.9 4,683
WIMN-CD D36 DC LIC	35.7		8,970		35.2 8,951		34.5 8,944
WVOZ-TV D36 DT CP	788.4		34,677		788.2 34,677		2.2 63

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Interference to BLANK0000006958 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	26.0 km
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	25.4
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	49.7
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	26.1
	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	19.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	10641.8	694,883	10439.2	627,933	4589.5	535,461	4589.5 535,461 0.00 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA	2.5		118		0.0 0		
WCCV-TV D35 DT CP	38.6		8,471		20.4 2,448		20.4 2,448
WIMN-CD D36 DC CP	173.3		24,494		153.9 18,406		153.9 18,406
WVOZ-TV D36 DT CP	5576.2		46,103		2629.2 22,586		2628.4 22,586
W36EP-D D36 LD LIC	3027.7		43,009		79.9 19,427		79.6 19,415

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Interference to BLANK0000006958 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	26.0 km
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	25.4
	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	49.7
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	26.1
	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	19.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
10641.8	694,883	10439.2		627,933	4593.5	539,997	0.00 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA			2.5	118			0.0 0
WCCV-TV D35 DT CP			38.6	8,471	20.7	3,284	20.7 3,284
WIMN-CD D36 DC LIC			168.6	19,088	150.0	13,870	150.0 13,870
WVOZ-TV D36 DT CP			5576.2	46,103	2629.4	22,586	2628.7 22,586
W36EP-D D36 LD LIC			3027.7	43,009	80.1	19,461	79.9 19,449

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Interference to BLANK0000028456 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	0.2 km
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	17.2
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	43.1
	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	192.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13763.2	1,131,391	13018.1		922,764	12933.4	921,764	12926.5 920,504 0.05 0.14
Undesired			Total IX		Unique IX, before		Unique IX, after
DW48DT-D D35 LD STA			7.4	1,401			6.9 1,260
WCCV-TV D35 DT CP			74.2	0	59.1	0	59.1 0
WIMN-CD D36 DC CP			21.7	172	5.7	146	5.2 5
WTJX-TV D36 DT CP			4.9	854	3.9	828	3.9 828

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Interference to BLANK0000028456 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	0.2 km
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	17.2
	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	43.1
	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	192.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	13763.2	1,131,391	13018.1	922,764	12938.5	921,910	12931.1	920,509	0.06 0.15

Undesired		Total IX	Unique IX, before	Unique IX, after
DW48DT-D D35 LD STA	7.4	1,401		7.4 1,401
WCCV-TV D35 DT CP	74.2	0	72.2 0	72.2 0
WIMN-CD D36 DC LIC	3.0	26	0.5 0	0.5 0
WTJX-TV D36 DT CP	4.9	854	4.4 828	4.4 828

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Interference to BLANK0000006960 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	
Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	10.5 km
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	50.4
	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	19.2
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	10.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	4589.1	444,299	4115.9	284,226	1139.9	198,494	1136.9	197,949	0.26 0.27

Undesired		Total IX	Unique IX, before	Unique IX, after
DW48DT-D D35 LD STA	87.6	7,855		3.0 545
WIMN-CD D36 DC CP	1.7	68	1.2 68	1.2 68
WNTE-LD D36 LD LIC	2860.1	61,244	71.3 6,926	69.0 6,841
WVOZ-TV D36 DT CP	2903.5	78,738	114.2 24,420	109.2 23,437

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Interference to BLANK0000006960 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	

Undesireds:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	10.5 km
	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	19.2
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	10.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4589.1 444,299	4115.9 284,226	1141.1 198,562	1138.2 198,017	0.26 0.27

Undesired	Total IX	Unique IX, before	Unique IX, after
DW48DT-D D35 LD STA 87.6	7,855	3.0	545
WNTE-LD D36 LD LIC 2860.1	61,244	71.3	6,926
WVOZ-TV D36 DT CP 2903.5	78,738	114.6	24,420
		109.7	23,437

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Interference to proposal scenario 1  
3.19% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DW48DT-D	D35	LD	STA	GUAYANILLA, PR	BLANK0000030184	
Undesireds:	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	17.3 km
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	43.2
	WNTE-LD	D36	LD	LIC	MAYAGUEZ, PR	BLANK0000006958	26.0
	WVOZ-TV	D36	DT	CP	PONCE, PR	BLANK0000028456	0.2
	W36EP-D	D36	LD	LIC	YAUCO, PR	BLANK0000006960	10.5

Service area	Terrain-limited	IX-free	Percent IX
6652.4 697,522	6249.7 581,505	5834.5 562,932	6.64 3.19

Undesired	Total IX	Unique IX	Prcnt Unique IX
WCCV-TV D35 DT CP 346.7	4,334	284.8	1,537
WNTE-LD D36 LD LIC 117.3	13,827	56.4	12,208
WVOZ-TV D36 DT CP 7.6	1,399	6.7	215
W36EP-D D36 LD LIC 5.7	1,850	5.2	1,776
			0.08 0.31