

# WCCV-TV CP MOD IX TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1,Study: BLANK0000026046 #1579, Model: Longley-Rice

Start: 2019.01.29 18:15:47

Study created: 2019.01.29 18:15:47

Study build station data: LMS TV 2019-01-26

File number: BLANK0000026046

Facility ID: 3001

Station data: User record

Record ID: 676

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	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9 km
Yes	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	27.5
Yes	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	27.5
Yes	WVOZ-TV	D36	DT	LIC	PONCE, PR	BLANK0000058766	17.3
No	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	191.7

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

Latitude: 18 14 0.00 N (NAD83)

Longitude: 66 45 33.00 W

Height AMSL: 1009.0 m

HAAT: 521.0 m

Peak ERP: 60.0 kW

Antenna: PSILP16AP-35-EP 345.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

40.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	34.4 kW	652.1 m	93.4 km
45.0	59.0	806.9	103.5
90.0	35.9	632.4	93.1
135.0	4.02	351.0	63.8
180.0	4.36	244.0	58.0
225.0	20.5	311.2	70.5
270.0	58.4	565.1	94.1
315.0	41.8	608.6	93.5

Distance to Canadian border: 2950.3 km

Distance to Mexican border: 3215.0 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 121.9 degrees Distance: 47.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.8 degrees Distance: 4403.6 km

Study cell size: 1.00 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

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	
Undesireds:	WCCV-TV	D35	DT	BL	ARECIBO, PR	DTVBL3001	95.9 km
	WCCV-TV	D35	DT	APP	ARECIBO, PR	BLANK0000026046	95.9
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	120.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24012.5	2,561,296	21790.2	2,323,316	21533.5	2,316,675	21537.4 2,318,912	-0.02 -0.10
Undesired				Total IX	Unique IX, before	Unique IX, after	
WCCV-TV D35 DT BL				15.7 6,641	15.7 6,641		

WCCV-TV D35 DT APP	11.8	4,404			11.8	4,404
WJWN-TV D33 DT CP	241.0	0	241.0	0	241.0	0

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Interference to BLANK0000036058 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	
Undesireds:	WCCV-TV	D35	DT	BL	ARECIBO, PR	DTVBL3001	27.5 km
	WCCV-TV	D35	DT	APP	ARECIBO, PR	BLANK0000026046	27.5
	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	178.5

  

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	3793.2	615,331	3641.6	564,403	3632.7
				562,166	3629.8
					561,408
					0.08
					0.13

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WCCV-TV D35 DT BL	2.0	344	2.0
WCCV-TV D35 DT APP	4.9	1,102	4.9
WTJX-TV D36 DT CP	6.9	1,893	6.9
			1,893

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Interference to BLDTA20140225AAJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	
Undesireds:	WCCV-TV	D35	DT	BL	ARECIBO, PR	DTVBL3001	27.5 km
	WCCV-TV	D35	DT	APP	ARECIBO, PR	BLANK0000026046	27.5
	WTJX-TV	D36	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000025655	178.5

  

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	3125.1	437,329	3070.0	411,616	3068.1
				411,616	3065.1
					411,484
					0.10
					0.03

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WCCV-TV D35 DT BL	1.0	0	1.0
WCCV-TV D35 DT APP	3.9	132	3.9
WTJX-TV D36 DT CP	1.0	0	1.0
			0

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Interference to BLANK0000058766 LIC scenario 1

Desired:	Call WVOZ-TV	Chan D36	Svc DT	Status LIC	City, State PONCE, PR	File Number BLANK0000058766	Distance
Undesireds:	WCCV-TV	D35	DT	BL	ARECIBO, PR	DTVBL3001	17.2 km
	WCCV-TV	D35	DT	APP	ARECIBO, PR	BLANK0000026046	17.3
	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
13765.4 1,133,356	13011.6 921,696	12928.8 920,703	12935.7 920,703	-0.05 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WCCV-TV D35 DT BL	74.9 114	58.1 0	
WCCV-TV D35 DT APP	61.1 0		51.2 0
WIMN-CD D36 DC CP	21.7 151	4.9 113	10.8 151
WTJX-TV D36 DT CP	3.9 842	2.0 766	3.0 842

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Interference to BLANK0000058766 LIC scenario 2

Desired:	Call WVOZ-TV	Chan D36	Svc DT	Status LIC	City, State PONCE, PR	File Number BLANK0000058766	Distance
Undesireds:	WCCV-TV	D35	DT	BL	ARECIBO, PR	DTVBL3001	17.2 km
	WCCV-TV	D35	DT	APP	ARECIBO, PR	BLANK0000026046	17.3
	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
13765.4 1,133,356	13011.6 921,696	12932.8 920,816	12942.6 920,854	-0.08 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WCCV-TV D35 DT BL	74.9 114	71.0 38	
WCCV-TV D35 DT APP	61.1 0		61.1 0
WIMN-CD D36 DC LIC	3.9 0	1.0 0	3.9 0
WTJX-TV D36 DT CP	3.9 842	3.0 766	3.9 842

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Interference to proposal scenario 1  
2.25% interference received

Desired:	Call WCCV-TV	Chan D35	Svc DT	Status APP	City, State ARECIBO, PR	File Number BLANK0000026046	Distance
Undesireds:	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9 km
	WIMN-CD	D36	DC	CP	ARECIBO, PR	BLANK0000036058	27.5
	WVOZ-TV	D36	DT	LIC	PONCE, PR	BLANK0000058766	17.3

Service area	Terrain-limited	IX-free	Percent IX
22838.1 3,399,625	18343.0 2,596,091 17465.8	2,537,620	4.78 2.25

  

Undesired	Total IX	Unique IX	Prcnt Unique IX
WIDP D34 DT CP	14.8 22,368 12.8	22,345	0.07 0.86
WIMN-CD D36 DC CP	22.7 4,989 20.7	4,966	0.11 0.19
WVOZ-TV D36 DT LIC	841.7 31,137 841.7	31,137	4.59 1.20

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Interference to proposal scenario 2  
2.40% interference received

Desired:	Call WCCV-TV	Chan D35	Svc DT	Status APP	City, State ARECIBO, PR	File Number BLANK0000026046	Distance
Undesireds:	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9 km
	WIMN-CD	D36	DC	LIC	ARECIBO, PR	BLDTA20140225AAJ	27.5
	WVOZ-TV	D36	DT	LIC	PONCE, PR	BLANK0000058766	17.3

Service area	Terrain-limited	IX-free	Percent IX
22838.1 3,399,625	18343.0 2,596,091 17452.0	2,533,820	4.86 2.40

  

Undesired	Total IX	Unique IX	Prcnt Unique IX
WIDP D34 DT CP	14.8 22,368 11.8	21,717	0.06 0.84
WIMN-CD D36 DC LIC	37.4 9,417 34.5	8,766	0.19 0.34
WVOZ-TV D36 DT LIC	841.7 31,137 841.7	31,137	4.59 1.20