

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: PPitt10dlkwDir220F, Model: Longley-Rice

Start: 2024.02.01 13:58:07

Study created: 2024.02.01 13:58:07

Study build station data: LMS TV 2024-01-31

Proposal: WIIC-LD D10+ LD STA PITTSBURGH, PA

Facility ID: 68411

Station data: User record

Record ID: 2085

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	77.1 km
No	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	318.3
No	W45DN-D	D10	LD	LIC	WASHINGTON, DC	BLANK0000199355	318.3
No	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	461.5
No	DDWBPN-LP	N10z	TX	APP	BINGHAMTON, NY	BLTVL20000824ADL	363.0
No	WHEC-TV	D10	DT	LIC	ROCHESTER, NY	BMLCDT20111228ABJ	348.0
No	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	196.6
No	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	197.8
No	WHTM-TV	D10	DT	LIC	HARRISBURG, PA	BLANK0000176940	234.8
No	W10CP-D	D10	LD	LIC	TOWANDA, PA	BLDTV20090806AAV	304.4
No	WWBT	D10	DT	LIC	RICHMOND, VA	BLANK0000185198	378.1
Yes	WVUX-LD	D10	LD	LIC	Fairmont, WV	BLANK0000220190	139.6
Yes	WVUX-LD	D10	LD	APP	Fairmont, WV	BLANK0000223140	139.6
No	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	303.1
No	WPKD-TV	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10+  
Mask: Full Service  
Latitude: 40 26 23.80 N (NAD83)  
Longitude: 79 43 8.30 W  
Height AMSL: 387.0 m  
HAAT: 0.0 m  
Peak ERP: 1.00 kW  
Antenna: SAM-SAM-260 (ID 110292) 220.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.010 kW	47.3 m	9.5 km
45.0	0.018	14.7	8.8
90.0	0.008	33.5	7.5
135.0	0.000	35.1	4.4
180.0	0.397	60.8	25.7
225.0	0.970	76.2	33.8
270.0	0.102	56.7	18.2
315.0	0.000	73.3	6.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 50 m

Proposal 21.00 dBu contour does not cross Canadian border

Distance to Canadian border: 219.2 km

Distance to Mexican border: 2260.1 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 118.9 degrees    Distance: 285.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 277.5 degrees Distance: 2155.0 km

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%

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 Interference to BLCDT20111206ACB LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		77.1 km
	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	146.1
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	125.9
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000153713	340.2
	WVPB-TV	D9	DT	LIC	HUNTINGTON, WV	BLANK0000141956	246.1
	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	147.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	31410.3	3,892,424	28833.8	3,619,499	28626.2	3,608,851	28620.2 3,606,266
							0.02 0.07
Undesired				Total IX	Unique IX, before	Unique IX, after	
WIIC-LD D10+ LD STA		6.0		2,585		6.0	2,585
WJW D8 DT LIC		11.9		2,881	10.0	2,189	10.0 2,189
WWCP-TV D8 DT LIC		30.0		1,543	30.0	1,543	30.0 1,543
WUSA D9 DT LIC		7.0		297	3.0	119	3.0 119
WVPB-TV D9 DT LIC		162.8		6,105	158.8	5,927	158.8 5,927
WOIO D10 DT LIC		2.0		692	0.0	0	0.0 0

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 Interference to BLCDT20111206ACB LIC scenario 2

Desired:	Call WTOV-TV	Chan D9	Svc DT	Status LIC	City, State STEUBENVILLE, OH	File Number BLCDT20111206ACB	Distance
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		77.1 km
	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	146.1
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	125.9
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000153713	340.2
	WVPB-TV	D9	DT	LIC	HUNTINGTON, WV	BLANK0000141956	246.1
	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	147.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31410.3	3,892,424	28833.8	3,619,499	28559.5	3,588,099	28553.5 3,585,514	0.02 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WIIC-LD D10+ LD STA	6.0 2,585		6.0 2,585
WJW D8 DT LIC	11.9 2,881	1.0 76	1.0 76
WWCP-TV D8 DT LIC	30.0 1,543	30.0 1,543	30.0 1,543
WUSA D9 DT LIC	7.0 297	3.0 119	3.0 119
WVPB-TV D9 DT LIC	162.8 6,105	158.8 5,927	158.8 5,927
WOIO D10 DT CP	77.6 23,557	66.6 20,752	66.6 20,752

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Interference to BLANK0000220190 LIC scenario 1

Desired:	Call WVUX-LD	Chan D10	Svc LD	Status LIC	City, State Fairmont, WV	File Number BLANK0000220190	Distance
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		139.6 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	329.7
	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	259.3
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	181.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5692.8	205,315	5340.9	196,994	5291.3	195,857	5291.3 195,857	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after				
WIIC-LD D10+ LD STA	1.0 0		0.0 0				
WOWK-TV D10 DT LIC	49.6 1,137	49.6 1,137	48.6 1,137				

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Interference to BLANK0000220190 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUX-LD	D10	LD	LIC	Fairmont, WV	BLANK0000220190	
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		139.6 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	329.7
	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	259.3
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	181.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5692.8	205,315	5340.9		196,994	5289.4	195,820	0.00 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
WIIC-LD D10+ LD STA		1.0	0			0.0 0	
WOIO D10 DT CP		2.0	37	2.0	37	2.0 37	
WOWK-TV D10 DT LIC		49.6	1,137	49.6	1,137	48.6 1,137	

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Interference to BLANK0000223140 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUX-LD	D10	LD	APP	Fairmont, WV	BLANK0000223140	
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		139.6 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	329.7
	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	259.3
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	181.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
8029.3	300,199	7498.5		278,128	7434.9	275,589	0.04 0.04
Undesired			Total IX	Unique IX, before		Unique IX, after	
WIIC-LD D10+ LD STA		5.0	152			3.0 107	
WOWK-TV D10 DT LIC		63.6	2,539	63.6	2,539	61.6 2,494	

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Interference to BLANK0000223140 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUX-LD	D10	LD	APP	Fairmont, WV	BLANK0000223140	
Undesireds:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		139.6 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	329.7
	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	259.3
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	181.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
8029.3	300,199	7498.5	278,128	7432.9	275,589	7429.9 275,482	0.04 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
WIIC-LD D10+ LD STA	5.0			152		3.0 107	
WOIO D10 DT CP	2.0			0	2.0 0	2.0 0	
WOWK-TV D10 DT LIC	63.6			2,539	63.6 2,539	61.6 2,494	

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Interference to proposal scenario 1  
15.53% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		
Undesireds:	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	196.6 km
	WVUX-LD	D10	LD	LIC	Fairmont, WV	BLANK0000220190	139.6
	WPKD-TV	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.1
Service area		Terrain-limited		IX-free		Percent IX	
979.9	604,779	941.9	580,829	887.9	490,648	5.73 15.53	
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WPKD-TV D11 DT LIC	54.0			90,181	54.0 90,181	5.73 15.53	

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Interference to proposal scenario 2

15.54% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIIC-LD	D10+	LD	STA	PITTSBURGH, PA		
Undesireds:	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	197.8 km
	WVUX-LD	D10	LD	LIC	Fairmont, WV	BLANK0000220190	139.6
	WPKD-TV	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.1

Service area		Terrain-limited		IX-free		Percent IX	
979.9	604,779	941.9	580,829	886.9	490,584	5.84	15.54

Undesired	Total IX	Unique IX	Prcnt Unique IX
WOIO D10 DT CP	3.0 2,818 1.0	64	0.11 0.01
WPKD-TV D11 DT LIC	54.0 90,181 52.0	87,427	5.52 15.05