

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Pitts10d3kwDRV220IncF, Model: Longley-Rice

Start: 2022.09.14 08:12:23

Study created: 2022.09.14 08:12:23

Study build station data: LMS TV 2022-09-13

Proposal: WIIC-LD D10 LD APP PITTSBURGH, PA

Facility ID: 68411

Station data: User record

Record ID: 892

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	77.0 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
Yes	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000035655	197.8
Yes	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	196.5
No	WHTM-TV	D10	DT	LIC	HARRISBURG, PA	BLANK0000176940	234.9
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	CP	FAIRMONT, WV	BLANK0000051588	138.3
No	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	303.0
No	DDWAKN-LP	N11-	TX	APP	AKRON, OH	BLTVL20081031ABD	171.6
Yes	WPCW	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.0
No	WVPT	D11	DD	LIC	STAUNTON, VA	BLANK0000055362	255.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10  
Mask: Full Service  
Latitude: 40 26 23.00 N (NAD83)  
Longitude: 79 43 10.00 W  
Height AMSL: 582.1 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: KAT-SCA DRV 220.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.004 kW	243.5 m	16.7 km
45.0	0.157	209.6	35.9
90.0	0.003	228.5	15.3
135.0	0.759	230.3	48.2
180.0	2.28	255.8	57.5
225.0	2.87	271.8	60.1
270.0	2.60	251.9	58.2
315.0	0.402	267.2	45.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 245 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: 285.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 277.5 degrees    Distance: 2154.9 km

Study cell size: 1.00 km  
 Profile point spacing: 0.10 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	APP	PITTSBURGH, PA		77.0 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	BLANK0000035655	147.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	31410.3	3,892,424	29800.5	3,634,341	29732.5    3,624,071	29695.5    3,611,333	0.12    0.35
Undesired				Total IX	Unique IX, before	Unique IX, after	
WIIC-LD D10 LD APP		39.0		12,783		37.0    12,738	
WJW D8 DT LIC		2.0		199	0.0    0	0.0    0	
WWCP-TV D8 DT LIC		8.0		1,230	7.0    1,201	7.0    1,201	
WUSA D9 DT LIC		2.0		176	0.0    0	0.0    0	
WVPB-TV D9 DT LIC		34.0		2,734	33.0    2,587	32.0    2,571	
WOIO D10 DT CP		25.9		6,306	23.9    6,107	23.9    6,107	

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 Interference to BLCDT20111206ACB LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	
Undesireds:	WIIC-LD	D10	LD	APP	PITTSBURGH, PA		77.0 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	BLANK00000153713	340.2
	WVPB-TV	D9	DT	LIC	HUNTINGTON, WV	BLANK00000141956	246.1
	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK00000040178	147.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31410.3 3,892,424	29800.5 3,634,341	29756.4 3,630,178	29719.5 3,617,440	0.12 0.35

Undesired	Total IX	Unique IX, before	Unique IX, after
WIIC-LD D10 LD APP	39.0 12,783	37.0 12,738	
WJW D8 DT LIC	2.0 199	1.0 199	
WWCP-TV D8 DT LIC	8.0 1,230	7.0 1,201	
WUSA D9 DT LIC	2.0 176	0.0 0	
WVPB-TV D9 DT LIC	34.0 2,734	32.0 2,571	
WOIO D10 DT LIC	1.0 0	0.0 0	

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Interference to BLANK0000035655 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000035655	
Undesireds:	WIIC-LD	D10	LD	APP	PITTSBURGH, PA		197.8 km
	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	147.7
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	263.9
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK00000168156	322.1
	WTOL	D11	DT	LIC	TOLEDO, OH	BLANK00000164536	141.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25660.7 4,109,850	24792.0 4,015,353	24647.8 4,003,885	24591.9 3,991,791	0.23 0.30
2472.3 171	2472.3 171	2472.3 171	2472.3 171	0.00 0.00

(in Canada)

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIIC-LD D10 LD APP	62.9	12,219			55.9	12,094
WTOV-TV D9 DT LIC	2.0	0	2.0	0	1.0	0
WILX-TV D10 DT LIC	81.3	6,860	26.0	2,382	26.0	2,382
WOWK-TV D10 DT LIC	43.8	2,756	40.8	2,705	34.8	2,580
WTOL D11 DT LIC	72.5	6,330	20.1	1,903	20.1	1,903

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Interference to BLANK0000040178 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	
Undesireds:	WIIC-LD	D10	LD	APP	PITTSBURGH, PA		196.5 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDDT20120404ACG	265.3
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	323.3
	Service area	Terrain-limited			IX-free, before	IX-free, after	Percent New IX
	21794.4 3,820,973	20980.7 3,741,634			20867.6 3,727,022	20829.8 3,714,383	0.18 0.34
	1548.4 0	1548.4 0			1548.4 0	1548.4 0	0.00 0.00
	(in Canada)						

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIIC-LD D10 LD APP	42.7	12,909			37.8	12,639
WILX-TV D10 DT LIC	76.3	9,102	65.4	8,864	65.4	8,864
WOWK-TV D10 DT LIC	47.7	5,748	36.8	5,510	31.8	5,240

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Interference to BLANK0000051588 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUX-LD	D10	LD	CP	FAIRMONT, WV	BLANK0000051588	
Undesireds:	WIIC-LD	D10	LD	APP	PITTSBURGH, PA		138.3 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	323.4
	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000035655	263.1
	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	186.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5855.7 210,558	5748.4 204,154	5746.4 204,149	5745.4 204,149	0.02 0.00

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WIIC-LD D10 LD APP	1.0 0	1.0 0	1.0 0
WOWK-TV D10 DT LIC	2.0 5	2.0 5	2.0 5

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Interference to BLCDT20090626AAT LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WPCW	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	
Undesireds: WIIC-LD	D10	LD	APP	PITTSBURGH, PA		26.0 km
WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000035655	173.4
WJZ-TV	D11	DT	LIC	BALTIMORE, MD	BLANK0000119745	314.7
WVTT-CD	D11	DC	LIC	OLEAN, NY	BLANK0000129942	275.3
WTOL	D11	DT	LIC	TOLEDO, OH	BLANK0000164536	310.5
WBRE-TV	D11	DT	LIC	WILKES-BARRE, PA	BLCDT20051123AJX	356.9
WVNS-TV	D11	DT	LIC	LEWISBURG, WV	BLANK0000126737	308.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27696.6 3,397,332	26118.9 3,238,681	25949.4 3,214,555	25947.4 3,214,555	0.01 0.00

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WIIC-LD D10 LD APP	2.0 0	2.0 0	2.0 0
WJZ-TV D11 DT LIC	22.1 650	19.1 608	19.1 608
WVTT-CD D11 DC LIC	1.0 0	1.0 0	1.0 0
WTOL D11 DT LIC	133.3 23,266	132.3 23,266	132.3 23,266
WBRE-TV D11 DT LIC	8.0 77	5.0 35	5.0 35
WVNS-TV D11 DT LIC	9.1 175	8.1 175	8.1 175

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Interference to proposal scenario 1  
3.09% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: WIIC-LD D10 LD APP PITTSBURGH, PA

Undesireds:	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	77.0 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK00000194086	318.3
	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK00000035655	197.8
	WVUX-LD	D10	LD	CP	FAIRMONT, WV	BLANK00000051588	138.3
	WPCW	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.0

Service area		Terrain-limited		IX-free		Percent IX	
6455.5	1,901,859	6233.3	1,867,612	6128.6	1,809,903	1.68	3.09

Undesired		Total IX		Unique IX	Prcnt Unique IX		
WTOV-TV D9 DT LIC	6.0	135	4.0	49	0.06	0.00	
WOIO D10 DT CP	3.0	654	3.0	654	0.05	0.04	
WVUX-LD D10 LD CP	1.0	48	1.0	48	0.02	0.00	
WPCW D11 DT LIC	96.7	56,958	94.7	56,872	1.52	3.05	

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Interference to proposal scenario 2  
3.06% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIIC-LD	D10	LD	APP	PITTSBURGH, PA		
Undesireds:	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	77.0 km
	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK00000194086	318.3
	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK00000040178	196.5
	WVUX-LD	D10	LD	CP	FAIRMONT, WV	BLANK00000051588	138.3
	WPCW	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	26.0

Service area		Terrain-limited		IX-free		Percent IX	
6455.5	1,901,859	6233.3	1,867,612	6130.6	1,810,510	1.65	3.06

Undesired		Total IX		Unique IX	Prcnt Unique IX		
WTOV-TV D9 DT LIC	6.0	135	4.0	49	0.06	0.00	
WOIO D10 DT LIC	1.0	47	1.0	47	0.02	0.00	
WVUX-LD D10 LD CP	1.0	48	1.0	48	0.02	0.00	
WPCW D11 DT LIC	96.7	56,958	94.7	56,872	1.52	3.05	

