

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Cleve13d3kwPSIWide40F, Model: Longley-Rice

Start: 2021.09.23 09:50:11

Study created: 2021.09.23 09:50:11

Study build station data: LMS TV 2021-09-23

Proposal: WIVX-LD D13 LD APP AKRON, OH

Facility ID: 50144

Station data: User record

Record ID: 448

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
No	WAKN-LP	N11-	TX	LIC	AKRON, OH	BLTVL20081031ABD	32.2 km
No	WINM	D12	DT	LIC	ANGOLA, IN	BLCDT20130711ABN	254.1
Yes	WMFD-TV	D12	DT	LIC	MANSFIELD, OH	BLCDT20081112ALJ	94.9
No	WICU-TV	D12	DT	LIC	ERIE, PA	BLANK0000074553	161.9
No	WBPA-LD	D12+	LD	LIC	PITTSBURGH, PA	BLANK0000125159	179.6
No	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	256.8
No	WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	403.8
No	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	403.8
No	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	327.2
No	WZZM	D13	DT	LIC	GRAND RAPIDS, MI	BLCDT20100726AKV	406.5
No	WNYI	D13	DT	LIC	ITHACA, NY	BLANK0000080187	469.0
No	W13DS-D	D13-	LD	LIC	Cleveland, OH	BLANK0000120701	118.3
No	W13DS-D	D13-	LD	CP	Cleveland, OH	BLANK0000159313	77.0
Yes	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK0000143483	143.4
No	W13DP-D	D13	LD	LIC	YOUNGSTOWN, OH	BLANK0000090576	97.5
Yes	WVFX	D13	DT	CP	CLARKSBURG, WV	BLANK0000145139	254.7
No	WVUX-LD	D13	LD	LIC	FAIRMONT, WV	BLANK0000021955	259.2
No	WWPX-TV	D13	DT	LIC	MARTINSBURG, WV	BLANK0000117578	409.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WJMO 1300 L DA1 U CLEVELAND, OH BL7262  
WKNR 850 L DA2 D CLEVELAND, OH BL19990512DC  
WKNR 850 L DA2 N CLEVELAND, OH BL19990512DC  
WCCD 1000 L DAD D PARMA, OH BL13453

Record parameters as studied:

Channel: D13  
Mask: Full Service  
Latitude: 41 19 18.00 N (NAD83)  
Longitude: 81 45 38.00 W  
Height AMSL: 368.3 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: PSI-PSIVLP2EC2 (ID 91720) 40.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.89 kW	118.9 m	48.2 km
45.0	2.58	83.3	41.7
90.0	3.00	78.4	41.8
135.0	2.29	6.6	27.5
180.0	0.640	32.3	21.7
225.0	0.239	53.1	21.8
270.0	0.961	116.2	40.2
315.0	2.59	123.1	48.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 76 m

\*\*Proposal 21.00 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 66.1 km

Distance to Mexican border: 2178.8 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 293.8 degrees Distance: 374.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.0 degrees Distance: 1974.4 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 BLCDT20081112ALJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMFD-TV	D12	DT	LIC	MANSFIELD, OH	BLCDT20081112ALJ	
Undesireds:	WIVX-LD	D13	LD	APP	AKRON, OH		94.9 km
	WTOL	D11	DT	CP	TOLEDO, OH	BLANK0000035661	119.4
	WINM	D12	DT	LIC	ANGOLA, IN	BLCDT20130711ABN	198.4
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	298.9
	WKRC-TV	D12	DT	LIC	CINCINNATI, OH	BLANK0000157760	243.5
	WICU-TV	D12	DT	LIC	ERIE, PA	BLANK0000074553	255.8
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	254.8
	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK0000143483	121.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	21742.9	1,560,095	20544.0	1,327,538	19621.9	1,193,497	19613.9 1,192,778 0.04 0.06
Undesired				Total IX	Unique IX, before	Unique IX, after	
WIVX-LD D13 LD APP				15.1 2,474	8.1	719	

WTOL D11 DT CP	295.2	16,850	19.1	1,962	19.1	1,962
WINM D12 DT LIC	256.0	33,690	50.1	2,165	50.1	2,165
WJRT-TV D12 DT LIC	139.1	15,218	26.2	3,282	26.2	3,282
WKRC-TV D12 DT LIC	250.8	80,795	140.4	46,692	140.4	46,692
WICU-TV D12 DT LIC	135.3	17,098	52.2	4,967	46.2	3,454
WBOY-TV D12 DT LIC	241.2	41,829	94.1	6,090	94.1	6,090
WTVG D13 DT LIC	318.4	20,585	32.3	4,451	32.3	4,451

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Interference to BLCDT20081112ALJ LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMFD-TV	D12	DT	LIC	MANSFIELD, OH	BLCDT20081112ALJ	
Undesireds:	WIVX-LD	D13	LD	APP	AKRON, OH		94.9 km
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDT20090622ABU	119.4
	WINM	D12	DT	LIC	ANGOLA, IN	BLCDT20130711ABN	198.4
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	298.9
	WKRC-TV	D12	DT	LIC	CINCINNATI, OH	BLANK00000157760	243.5
	WICU-TV	D12	DT	LIC	ERIE, PA	BLANK00000074553	255.8
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK00000003150	254.8
	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK00000143483	121.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	
	21742.9	1,560,095	20544.0	1,327,538	19640.1	1,195,430	19632.0 1,194,711
							Percent New IX
							0.04 0.06
Undesired				Total IX	Unique IX, before	Unique IX, after	
WIVX-LD D13 LD APP		15.1		2,474		8.1 719	
WTOL D11 DT LIC		162.2		4,438	1.0 29	1.0 29	
WINM D12 DT LIC		256.0		33,690	50.1 2,165	50.1 2,165	
WJRT-TV D12 DT LIC		139.1		15,218	26.2 3,282	26.2 3,282	
WKRC-TV D12 DT LIC		250.8		80,795	140.4 46,692	140.4 46,692	
WICU-TV D12 DT LIC		135.3		17,098	52.2 4,967	46.2 3,454	
WBOY-TV D12 DT LIC		241.2		41,829	94.1 6,090	94.1 6,090	
WTVG D13 DT LIC		318.4		20,585	135.0 14,705	135.0 14,705	

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Interference to BLANK00000143483 LIC scenario 1

Desired:	Call WTVG	Chan D13	Svc DT	Status LIC	City, State TOLEDO, OH	File Number BLANK0000143483	Distance
Undesireds:	WIVX-LD	D13	LD	APP	AKRON, OH		143.4 km
	WINM	D12	DT	LIC	ANGOLA, IN	BLCDT20130711ABN	118.3
	WMFD-TV	D12	DT	LIC	MANSFIELD, OH	BLCDT20081112ALJ	121.9
	WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	303.8
	WZZM	D13	DT	LIC	GRAND RAPIDS, MI	BLCDT20100726AKV	273.1
	WVFX	D13	DT	CP	CLARKSBURG, WV	BLANK0000145139	370.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	25963.7	4,389,411	25855.5	4,380,520	25373.5	4,346,704	24551.4	4,332,797	3.24 0.32
	4332.2	389,070	4332.2	389,070	4332.2	389,070	3510.6	375,335	18.97 3.53
	(in Canada)								

Undesired					Total IX	Unique IX, before	Unique IX, after	
WIVX-LD D13 LD APP		872.3			18,154		822.1	13,907
WIVX-LD D13 LD APP		821.6			13,735		821.6	13,735 (in Canada)
WINM D12 DT LIC		18.1			198	1.0 23	1.0	23
WMFD-TV D12 DT LIC		58.5			815	58.5 815	57.5	671
WTHR D13 DT LIC		51.2			968	25.2 474	23.2	472
WZZM D13 DT LIC		394.2			32,489	370.2 32,010	328.0	28,098

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Interference to BLANK0000143483 LIC scenario 2

Desired:	Call WTVG	Chan D13	Svc DT	Status LIC	City, State TOLEDO, OH	File Number BLANK0000143483	Distance
Undesireds:	WIVX-LD	D13	LD	APP	AKRON, OH		143.4 km
	WINM	D12	DT	LIC	ANGOLA, IN	BLCDT20130711ABN	118.3
	WMFD-TV	D12	DT	LIC	MANSFIELD, OH	BLCDT20081112ALJ	121.9
	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	303.8
	WZZM	D13	DT	LIC	GRAND RAPIDS, MI	BLCDT20100726AKV	273.1
	WVFX	D13	DT	CP	CLARKSBURG, WV	BLANK0000145139	370.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX

25963.7	4,389,411	25855.5	4,380,520	25236.7	4,340,678	24415.6	4,326,814	3.25	0.32
4332.2	389,070	4332.2	389,070	4332.2	389,070	3510.6	375,335	18.97	3.53

(in Canada)

Undesired		Total IX	Unique IX, before	Unique IX, after	
WIVX-LD D13 LD APP	872.3	18,154		821.1	13,864
WIVX-LD D13 LD APP	821.6	13,735		821.6	13,735 (in Canada)
WINM D12 DT LIC	18.1	198	0.0	0	0
WMFD-TV D12 DT LIC	58.5	815	58.5	815	57.5
WTHR D13 DT APP	203.0	7,334	162.0	6,500	159.0
WZZM D13 DT LIC	394.2	32,489	357.3	31,693	321.0
					27,846

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Interference to BLANK0000145139 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVFX	D13	DT	CP	CLARKSBURG, WV	BLANK0000145139	
Undesireds:	WIVX-LD	D13	LD	APP	AKRON, OH		254.7 km
	WVPT	D12	DD	CP	STAUNTON, VA	BLANK0000028448	154.6
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	2.1
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	203.3
	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK0000143483	370.8
	WWPX-TV	D13	DT	LIC	MARTINSBURG, WV	BLANK0000117578	221.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26491.1	721,878	23456.7	625,813	23043.1
		620,901	23042.0	620,877
				0.00
				0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WIVX-LD D13 LD APP	3.0	24		1.0
WBOY-TV D12 DT LIC	47.9	212	41.9	212
WTSF D13 DT LIC	326.2	3,922	308.3	3,699
WTVG D13 DT LIC	2.0	30	0.0	0
WWPX-TV D13 DT LIC	56.5	971	45.6	778
				45.6
				778

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Interference to proposal scenario 1  
4.33% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVX-LD	D13	LD	APP	AKRON, OH		
Undesireds:	W13DS-D	D13-	LD	LIC	Cleveland, OH	BLANK00000120701	118.3 km
	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK00000143483	143.4
	W13DP-D	D13	LD	LIC	YOUNGSTOWN, OH	BLANK00000090576	97.5

Service area	Terrain-limited	IX-free	Percent IX
4449.2 1,853,235	4384.9 1,813,769	4238.1 1,735,246	3.35 4.33

Undesired	Total IX	Unique IX	Prcnt Unique IX
WTVG D13 DT LIC	145.8 78,375	145.8 78,375	3.33 4.32
W13DP-D D13 LD LIC	1.0 148	1.0 148	0.02 0.01

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Interference to proposal scenario 2  
5.06% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVX-LD	D13	LD	APP	AKRON, OH		
Undesireds:	W13DS-D	D13-	LD	CP	Cleveland, OH	BLANK00000159313	77.0 km
	WTVG	D13	DT	LIC	TOLEDO, OH	BLANK00000143483	143.4
	W13DP-D	D13	LD	LIC	YOUNGSTOWN, OH	BLANK00000090576	97.5

Service area	Terrain-limited	IX-free	Percent IX
4449.2 1,853,235	4384.9 1,813,769	4230.1 1,721,945	3.53 5.06

Undesired	Total IX	Unique IX	Prcnt Unique IX
W13DS-D D13- LD CP	20.1 21,623	8.0 13,301	0.18 0.73
WTVG D13 DT LIC	145.8 78,375	133.8 70,053	3.05 3.86
W13DP-D D13 LD LIC	1.0 148	1.0 148	0.02 0.01