

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Akron34d1500wDir20IncF, Model: Longley-Rice

Start: 2023.08.14 14:18:38

Study created: 2023.08.14 14:18:38

Study build station data: LMS TV 2023-08-06

Proposal: WIVM-LD D34 LD APP AKRON, OH

Facility ID: 25704

Station data: User record

Record ID: 1763

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	WRAP-LD	N32-	TX	LIC	CLEVELAND, OH	BLTTTL20110902ABQ	56.0 km
No	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK0000136481	58.6
No	WQIZ-LD	N33+	TX	LIC	ASHLAND, OH	BLTTTL20020211ABL	58.6
No	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000204188	257.2
Yes	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	88.9
No	WDTV	D33	DT	LIC	WESTON, WV	BLANK0000197623	219.5
No	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000153860	453.8
No	WISE-TV	D34	DT	LIC	FORT WAYNE, IN	BLANK0000064330	293.0
No	WKMJ-TV	D34	DT	LIC	LOUISVILLE, KY	BLANK0000197492	458.2
No	WKBD-TV	D34	DT	LIC	DETROIT, MI	BLANK0000074932	214.0
No	W24DL-D	D34	LD	CP	SAGINAW, MI	BLANK0000203509	357.5
No	WKBW-TV	D34	DT	LIC	BUFFALO, NY	BLANK0000134785	313.9
No	WKEF	D34	DT	LIC	DAYTON, OH	BLANK0000204187	258.3
Yes	W34FP-D	D34	LD	LIC	EASTLAKE, OH	BLANK0000080537	95.2
No	WPXI	D34	LD	LIC	PITTSBURGH, PA	BLANK0000106623	117.8
No	WHSV-TV	D34	LD	LIC	HARRISONBURG, VA	BLANK0000120242	381.4
No	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK0000199080	441.2
No	WNPB-TV	D34	DT	LIC	MORGANTOWN, WV	BLANK0000106559	217.4

No	W34FE-D	D34	LD	LIC	PARKERSBURG, WV	BLANK0000201163	194.6
Yes	WVIZ	D35	DT	LIC	Cleveland, OH	BLANK0000082429	44.6
No	WPTD	D35	DT	LIC	DAYTON, OH	BLANK0000204180	258.2
No	WLMB	D35	DT	CP	TOLEDO, OH	BLANK0000185769	211.6
No	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	238.5
No	WTAP-TV	D35	DT	LIC	PARKERSBURG, WV	BLANK0000105709	182.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
 Mask: Full Service
 Latitude: 40 59 6.00 N (NAD83)
 Longitude: 81 41 34.00 W
 Height AMSL: 460.4 m
 HAAT: 0.0 m
 Peak ERP: 1.50 kW
 Antenna: PSI-PSILP8OI-34 (ID 1005873) 20.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.50

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.653 kW	116.7 m	28.8 km
45.0	0.634	150.4	30.9
90.0	0.558	141.5	29.7
135.0	0.936	145.0	32.5
180.0	1.44	142.2	34.6
225.0	1.40	145.9	34.7
270.0	0.866	145.2	32.2
315.0	0.549	127.9	28.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 139 m

Proposal 25.68 dBu contour does not cross Canadian border
Distance to Canadian border: 96.8 km

Distance to Mexican border: 2164.1 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 298.4 degrees Distance: 396.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.1 degrees Distance: 1983.0 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%

Interference to BLANK0000089155 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		88.9 km
	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	123.5
	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	98.3
	WGRZ	D33	DT	CP	BUFFALO, NY	BLANK0000035664	250.4
	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000204188	340.0
	WDTV	D33	DT	LIC	WESTON, WV	BLANK0000197623	199.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27701.9	4,319,279	26590.4	3,794,358	25941.2	3,681,117	25925.3 3,678,721	0.06 0.07
Undesired	Total IX		Unique IX, before		Unique IX, after		

WIVM-LD D34 LD APP	21.8	3,660			15.9	2,396
WGRZ D33 DT CP	524.5	79,271	380.3	54,255	380.3	54,255
WHIO-TV D33 DT LIC	30.9	16,176	10.0	1,513	8.0	1,489
WDTV D33 DT LIC	258.9	57,473	93.8	17,794	92.8	16,909

Interference to BLANK0000089155 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		88.9 km
	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	123.5
	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK00000127549	98.3
	WGRZ	D33	DT	CP	BUFFALO, NY	BLANK0000035664	250.4
	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK00000204188	340.0
	WDTV	D33	DT	LIC	WESTON, WV	BLANK00000197623	199.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27701.9 4,319,279		26590.4 3,794,358		25939.2 3,681,072		25923.3 3,678,676	0.06 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVM-LD D34 LD APP 21.8 3,660	15.9 2,396		
WKHU-CD D32 DC CP 6.0 149	2.0 45		
WGRZ D33 DT CP 524.5 79,271	380.3 54,255		
WHIO-TV D33 DT LIC 30.9 16,176	10.0 1,513		
WDTV D33 DT LIC 258.9 57,473	89.9 17,690		

Interference to BLANK0000089155 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		88.9 km
	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	123.5
	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	98.3
	WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK00000137137	250.4

WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000204188	340.0
WDTV	D33	DT	LIC	WESTON, WV	BLANK0000197623	199.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27701.9 4,319,279	26590.4 3,794,358	25968.2 3,682,959	25952.3 3,680,563	0.06 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVM-LD D34 LD APP	21.8 3,660	15.9 2,396	
WGRZ D33 DT LIC	497.5 77,429	353.3 52,413	
WHIO-TV D33 DT LIC	30.9 16,176	10.0 1,513	
WDTV D33 DT LIC	258.9 57,473	93.8 17,794	

Interference to BLANK0000089155 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	
Undesireds: WIVM-LD	D34	LD	APP	AKRON, OH		88.9 km
WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	123.5
WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK0000127549	98.3
WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK0000137137	250.4
WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000204188	340.0
WDTV	D33	DT	LIC	WESTON, WV	BLANK0000197623	199.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27701.9 4,319,279	26590.4 3,794,358	25966.2 3,682,914	25950.3 3,680,518	0.06 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVM-LD D34 LD APP	21.8 3,660	15.9 2,396	
WKHU-CD D32 DC CP	6.0 149	2.0 45	
WGRZ D33 DT LIC	497.5 77,429	353.3 52,413	
WHIO-TV D33 DT LIC	30.9 16,176	10.0 1,513	
WDTV D33 DT LIC	258.9 57,473	89.9 17,690	

Interference to BLANK0000080537 LIC scenario 1

Desired:	Call W34FP-D	Chan D34	Svc LD	Status LIC	City, State EASTLAKE, OH	File Number BLANK0000080537	Distance
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		95.2 km
	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	75.9
	WKBD-TV	D34	DT	LIC	DETROIT, MI	BLANK0000074932	206.6
	WKBW-TV	D34	DT	LIC	BUFFALO, NY	BLANK0000134785	225.9
	WPXI	D34	LD	LIC	PITTSBURGH, PA	BLANK0000106623	103.8
	WVIZ	D35	DT	LIC	Cleveland, OH	BLANK0000082429	63.3
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	4530.8	479,132	4484.6	469,814	4417.3	441,470	0.02 0.02

Undesired			Total IX	Unique IX, before	Unique IX, after
WIVM-LD D34 LD APP	8.0		988		1.0 93
WFMJ-TV D33 DT LIC	13.1		978	4.0 296	4.0 296
WKBD-TV D34 DT LIC	22.1	11,212	3.0 240	3.0 240	3.0 240
WKBW-TV D34 DT LIC	37.2	24,563	17.1 13,203	16.1 12,874	16.1 12,874
WPXI D34 LD LIC	19.1	1,275	9.0 593	9.0 593	9.0 593
WVIZ D35 DT LIC	15.1	6,346	4.0 1,970	4.0 1,970	4.0 1,970

Interference to BLANK0000082429 LIC scenario 1

Desired:	Call WVIZ	Chan D35	Svc DT	Status LIC	City, State Cleveland, OH	File Number BLANK0000082429	Distance
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		44.6 km
	WPTD	D35	DT	LIC	DAYTON, OH	BLANK0000204180	284.6
	WLMB	D35	DT	CP	TOLEDO, OH	BLANK0000185769	197.8
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	253.9
	WTAP-TV	D35	DT	LIC	PARKERSBURG, WV	BLANK0000105709	226.6
	WQHS-DT	D36	DT	LIC	CLEVELAND, OH	BLANK0000079885	1.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	19625.9	3,694,661	19441.0	3,678,007	19066.9	3,625,879	0.08 0.01
	922.7	0	922.7	0	922.7	0	0.00 0.00

(in Canada)

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIVM-LD D34 LD APP	14.9	506			14.9	506
WPTD D35 DT LIC	6.0	157	0.0	0	0.0	0
WLMB D35 DT CP	300.3	39,456	214.1	29,161	214.1	29,161
WJAC-TV D35 DT LIC	64.3	6,101	10.0	344	10.0	344
WTAP-TV D35 DT LIC	88.7	13,706	36.7	4,876	36.7	4,876
WQHS-DT D36 DT LIC	28.0	7,519	25.0	6,653	25.0	6,653

Interference to BLANK0000082429 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVIZ	D35	DT	LIC	Cleveland, OH	BLANK0000082429	
Undesireds:	WIVM-LD	D34	LD	APP	AKRON, OH		44.6 km
	WPTD	D35	DT	LIC	DAYTON, OH	BLANK0000204180	284.6
	WLMB	D35	DT	BL	TOLEDO, OH	DTVBL17076	197.8
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	253.9
	WTAP-TV	D35	DT	LIC	PARKERSBURG, WV	BLANK0000105709	226.6
	WQHS-DT	D36	DT	LIC	CLEVELAND, OH	BLANK0000079885	1.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
	19625.9	3,694,661	19441.0	3,678,007	19086.0	3,626,291	19071.1	3,625,785	0.08	0.01
	922.7	0	922.7	0	922.7	0	922.7	0	0.00	0.00

(in Canada)

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIVM-LD D34 LD APP	14.9	506			14.9	506
WPTD D35 DT LIC	6.0	157	0.0	0	0.0	0
WLMB D35 DT BL	283.1	39,227	195.0	28,749	195.0	28,749
WJAC-TV D35 DT LIC	64.3	6,101	9.0	344	9.0	344
WTAP-TV D35 DT LIC	88.7	13,706	36.7	4,876	36.7	4,876
WQHS-DT D36 DT LIC	28.0	7,519	25.0	6,653	25.0	6,653

Interference to proposal scenario 1
2.25% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVM-LD	D34	LD	APP	AKRON, OH		
Undesireds:	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK00000136481	58.6 km
	WKBD-TV	D34	DT	LIC	DETROIT, MI	BLANK00000074932	214.0
	WKEF	D34	DT	LIC	DAYTON, OH	BLANK00000204187	258.3
	W34FP-D	D34	LD	LIC	EASTLAKE, OH	BLANK00000080537	95.2
	WPXI	D34	LD	LIC	PITTSBURGH, PA	BLANK00000106623	117.8
	WNPB-TV	D34	DT	LIC	MORGANTOWN, WV	BLANK00000106559	217.4
	WVIZ	D35	DT	LIC	Cleveland, OH	BLANK00000082429	44.6

	Service area		Terrain-limited		IX-free		Percent IX
3112.5	861,026	3011.5	850,330	2923.8	831,220	2.91	2.25

Undesired			Total IX		Unique IX	Prcnt Unique IX
WKBD-TV D34 DT LIC	26.0	4,127	14.9	1,767	0.50	0.21
WKEF D34 DT LIC	4.0	101	1.0	84	0.03	0.01
W34FP-D D34 LD LIC	4.0	310	1.0	0	0.03	0.00
WPXI D34 LD LIC	2.0	1,255	1.0	468	0.03	0.06
WNPB-TV D34 DT LIC	17.2	2,292	5.1	469	0.17	0.06
WVIZ D35 DT LIC	56.6	14,881	47.5	13,400	1.58	1.58