

# TVSTUDY ANALYSIS FOR PROPOSED WTLW-DRT-32, FINDLAY, OH (CHANNEL 32) FACILITY (AS AMENDED)

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: wtlw32amd, Model: Longley-Rice

Study build station data: LMS TV 2022-06-12

Proposal: WTLW32AMD D32 LD APP LIMA, OH  
File number: wtlw32amd  
Facility ID: 1222  
Station data: User record  
Record ID: 4649  
Country: U.S.

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	246.5 km
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	169.3
Yes	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	154.0
No	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	229.8
No	WICD	D32	DT	LIC	CHAMPAIGN, IL	BLANK0000059351	394.9
No	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000153593	369.5
No	WLPD-CD	D32	DC	LIC	PLANO, IL	BLANK0000113895	404.6
Yes	WANE-TV	D32	DT	LIC	FORT WAYNE, IN	BLANK0000121250	152.0
No	W32FD-D	D32	LD	LIC	LOUISA, KY	BLANK0000087487	320.7
No	WDRB	D32	DT	LIC	LOUISVILLE, KY	BLANK0000087865	356.4
No	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	390.6
No	WFQX-TV	D32	DT	CP	CADILLAC, MI	BLANK0000035809	390.6
No	WDIV-TV	D32	DT	LIC	DETROIT, MI	BLANK0000126974	172.9
No	WXMI	D32	LD	LIC	GRAND RAPIDS, MI	BLANK0000072959	243.1
No	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	435.1
No	WOUB-TV	D32	DT	LIC	ATHENS, OH	BLANK0000068360	208.1
No	WRAP-LD	N32-	TX	LIC	CLEVELAND, OH	BLTTL20110902ABQ	162.0
No	DDWWRD-LP	N32+	TX	APP	DAYTON, OH	BLTTL20071011AAP	151.5
No	WYFX-LD	D32	LD	LIC	YOUNGSTOWN, OH	BLANK0000082699	229.8
No	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	307.8
No	WMVH-CD	D32	DC	CP	CHARLEROI, PA	BLANK0000127551	307.8
No	W32DH-D	D32	LD	LIC	ERIE, PA	BLDTL20101122AHG	302.3
No	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	323.7
No	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK0000127549	323.7
No	WTMJ-TV	D32	DT	LIC	MILWAUKEE, WI	BLANK0000086939	443.7
No	W32FY-D	D32	LD	LIC	CLARKSBURG, WV	BLANK0000179434	315.5
No	WKAR-TV	D33	DT	LIC	EAST LANSING, MI	BLANK0000054990	214.4
No	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK0000136481	91.9
No	WQIZ-LD	N33+	TX	LIC	ASHLAND, OH	BLTTL20020211ABL	91.9
Yes	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000087475	152.2
No	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	230.4
No	CIII-DT-22D33		DT	LIC	STEVENSON, ON	BLANKCANADA222	145.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Mask: Simple  
Latitude: 40 55 59.00 N (NAD83)  
Longitude: 83 22 49.00 W  
Height AMSL: 345.0 m  
HAAT: 91.0 m  
Peak ERP: 15.0 kW  
Antenna: Dielectric-TLP-8F/VP-R 255.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.00

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.265 kW	88.3 m	21.3 km
45.0	0.012	96.8	10.2
90.0	0.056	100.5	15.3

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135.0	0.096	93.2	16.5
180.0	1.91	90.2	31.8
225.0	10.8	80.0	39.1
270.0	13.9	89.5	41.6
315.0	4.07	90.1	35.6

Proposal 25.51 dBu contour does not cross Canadian border

Distance to Canadian border: 101.2 km

Distance to Mexican border: 2041.5 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 311.9 degrees Distance: 283.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.5 degrees Distance: 1842.4 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 BLANK0000126718 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	
Undesireds:	WTLW32AMD	D32	LD	APP	LIMA, OH	wtlw32amd	154.0 km
	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	266.3
	WVUT	D31	DT	LIC	VINCENNES, IN	BLANK0000087466	301.7
	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	316.6
	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	339.9
	WOAY-TV	D31	DT	LIC	OAK HILL, WV	BLANK0000096583	332.5

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32130.9	3,834,458	31718.7	3,820,478	31351.5 3,809,168	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTLW32AMD D32 LD APP	43.9 1,051	0.0 0	0.0 0
WNIT D31 DT LIC	17.0 273	3.0 8	3.0 8
WVUT D31 DT LIC	1.0 62	1.0 62	1.0 62
WMYD D31 DT LIC	299.5 6,306	124.7 2,678	117.8 2,481
WYTV D31 DT LIC	215.6 8,133	38.9 4,463	37.9 4,454
WOAY-TV D31 DT LIC	24.8 471	19.9 402	19.9 402

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Interference to BLANK0000121250 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WANE-TV	D32	DT	LIC	FORT WAYNE, IN	BLANK0000121250	
Undesireds:	WTLW32AMD	D32	LD	APP	LIMA, OH	wtlw32amd	152.0 km
	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	102.1
	WICD	D32	DT	LIC	CHAMPAIGN, IL	BLANK0000059351	257.2
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000153593	222.2
	WDRB	D32	DT	LIC	LOUISVILLE, KY	BLANK0000087865	310.3
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	338.5
	WDIV-TV	D32	DT	LIC	DETROIT, MI	BLANK0000126974	225.0
	WTMJ-TV	D32	DT	LIC	MILWAUKEE, WI	BLANK0000086939	315.7

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21895.0	1,146,848	21892.0	1,146,756	21711.5 1,128,786	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTLW32AMD D32 LD APP	3.0 19	0.0 0	0.0 0
WNIT D31 DT LIC	68.3 12,471	54.2 11,595	54.2 11,595
WICD D32 DT LIC	109.3 6,102	89.2 4,591	89.2 4,591
WDRB D32 DT LIC	5.0 644	0.0 0	0.0 0
WDIV-TV D32 DT LIC	25.0 616	15.0 230	15.0 230

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WTMJ-TV D32 DT LIC                      1.0                      0                      0.0                      0                      0.0                      0

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Interference to BLANK0000087475 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000087475	
Undesireds:	WTLW32AMD	D32	LD	APP	LIMA, OH	wtlw32amd	152.2 km
	WMAQ-TV	D33	DT	CP	CHICAGO, IL	BLANK0000080396	371.6
	WTIU	D33	DT	LIC	BLOOMINGTON, IN	BLANK0000087599	203.8
	WKHA	D33	DT	LIC	HAZARD, KY	BLANK0000075043	297.1
	WKAR-TV	D33	DT	LIC	EAST LANSING, MI	BLANK0000054990	330.2
	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	340.0
	WDTV	D33	DT	CP	WESTON, WV	BLANK0000191325	338.2
	WKEF	D34	DT	LIC	DAYTON, OH	BLANK0000113880	1.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32193.2    3,882,627	31820.0    3,864,976	30850.2    3,797,357	30843.2    3,797,213	0.02    0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTLW32AMD D32 LD APP                      56.9                      971			7.0                      144
WMAQ-TV D33 DT CP                      1.0                      0		0.0                      0	0.0                      0
WTIU D33 DT LIC                      801.0                      42,538		686.3                      40,676	685.3                      40,621
WKHA D33 DT LIC                      20.9                      1,314		10.9                      1,120	10.9                      1,120
WKAR-TV D33 DT LIC                      59.9                      874		2.0                      16	2.0                      16
WFMJ-TV D33 DT LIC                      218.7                      21,634		94.0                      7,554	81.0                      7,261
WDTV D33 DT CP                      44.8                      13,314		7.9                      142	7.9                      142
WKEF D34 DT LIC                      25.9                      3,688		19.9                      3,476	19.9                      3,476

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTLW32AMD	D32	LD	APP	LIMA, OH	wtlw32amd	
Undesireds:	WANE-TV	D32	DT	LIC	FORT WAYNE, IN	BLANK0000121250	152.0 km
	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	307.8
	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK0000136481	91.9

Service area	Terrain-limited	IX-free	Percent IX
2584.3    106,798	2584.3    106,798	2557.3    106,563	1.05    0.22

Undesired	Total IX	Unique IX	Prcnt Unique IX
WANE-TV D32 DT LIC                      27.0                      235		27.0                      235	1.05    0.22

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