

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Adrian30d15kwTUA190F, Model: Longley-Rice

Start: 2021.07.07 12:09:10

Study created: 2021.07.07 12:09:10

Study build station data: LMS TV 2021-07-07

Proposal: W30EX-D D30 LD APP Adrian, MI

Facility ID: 187441

Station data: User record

Record ID: 459

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	WFHD-LP	N27z	TX	LIC	ANN ARBOR, MI	BLTT20000925AAY	39.2 km
No	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	138.2
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	191.2
No	WXON-LP	D29+	LD	CP	FLINT, MI	BLANK0000143972	136.3
No	WLNM-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	97.4
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000151056	179.6
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	178.3
Yes	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	55.3
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	226.5
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	452.5
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	303.2
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLDTL20120131AAW	303.1
No	WSPY-LD	D30	LD	LIC	EARLVILLE, IL	BLANK0000107800	384.0
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	191.2
No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	137.9
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	297.6
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	430.3
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	423.5

No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	167.7
No	WXII-LP	D30+	LD	CP	CEDAR, MI	BLANK0000071863	340.1
No	W30ET-D	D30-	LD	LIC	FLINT, MI	BLANK0000121598	339.2
No	WVIZ	D30	LD	LIC	Cleveland, OH	BLANK0000151111	196.1
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK0000151079	173.1
No	W30EY-D	D30	LD	APP	LIMA, OH	BLANK0000151456	212.7
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	280.3
No	W30EW-D	D30	LD	CP	ERIE, PA	BNPDTL20100714AAI	330.9
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	369.5
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	374.1
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK0000107600	304.0
No	W30BU	D30+	LD	CP	GREEN BAY, WI	BLANK0000072177	421.3
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK0000087614	346.1
No	WPVS-LP	D30	LD	CP	MILWAUKEE, WI	BMPDTL20130205ACP	346.9
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	342.0
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	138.2
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	189.0
Yes	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	84.0
No	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	250.8
No	WDMY-LP	N38-	TX	LIC	TOLEDO, OH	BLTT20050805AAT	45.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
 Mask: Full Service
 Latitude: 41 57 50.00 N (NAD83)
 Longitude: 83 57 26.00 W
 Height AMSL: 257.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: DIE-TUA (ID 120649) 190.0 deg
 Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.045 kW	1.3 m	8.1 km
45.0	0.030	19.1	7.3
90.0	0.044	41.5	9.4
135.0	1.15	42.9	21.5
180.0	13.9	36.4	31.4
225.0	5.59	21.7	25.5
270.0	0.013	-4.8	6.0
315.0	0.077	-14.3	9.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 18 m

Proposal 25.32 dBu contour does not cross Canadian border
Distance to Canadian border: 67.2 km

Distance to Mexican border: 2067.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 294.1 degrees Distance: 179.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 270.7 degrees Distance: 1789.2 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%

Interference to BLEDT20031110AKO LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: WGTE-TV D29 DT LIC TOLEDO, OH BLEDT20031110AKO

Undesireds:	W30EX-D	D30	LD	APP	Adrian, MI		55.3 km
	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK00000105571	135.1
	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK00000087455	231.4
	WGTU	D29	DT	CP	TRAVERSE CITY, MI	BLANK00000035794	368.2
	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK00000120667	226.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16233.8	2,203,311	16220.9	2,200,698	16219.9	2,200,637	0.01	0.00
2163.7	144,205	2163.7	144,205	2163.7	144,205	2163.7	144,205	0.00	0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
W30EX-D D30 LD APP	1.0 61		1.0 61
WSYM-TV D28 DT LIC	2.0 10	0.0 0	0.0 0
WSBT-TV D29 DT LIC	9.9 1,781	2.0 566	2.0 566
WGTU D29 DT CP	5.0 1,170	0.0 0	0.0 0
WNEO D29 DT LIC	8.9 2,037	3.0 832	3.0 832

Interference to BLEDT20031110AKO LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	
Undesireds:	W30EX-D	D30	LD	APP	Adrian, MI		55.3 km
	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK00000105571	135.1
	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK00000087455	231.4
	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK00000120667	226.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16233.8	2,203,311	16220.9	2,200,698	16219.9	2,200,637	0.01	0.00
2163.7	144,205	2163.7	144,205	2163.7	144,205	2163.7	144,205	0.00	0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
W30EX-D D30 LD APP	1.0 61		1.0 61

WSYM-TV D28 DT LIC	2.0	10	0.0	0	0.0	0
WSBT-TV D29 DT LIC	9.9	1,781	3.0	566	3.0	566
WNEO D29 DT LIC	8.9	2,037	3.0	832	3.0	832

Interference to BLEDT20031110AKO LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	
Undesireds:	W30EX-D	D30	LD	APP	Adrian, MI		55.3 km
	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK00000143341	135.1
	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK00000087455	231.4
	WGTU	D29	DT	CP	TRAVERSE CITY, MI	BLANK00000035794	368.2
	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK00000120667	226.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16233.8	2,203,311	16218.9	2,200,618	16217.9	2,200,557	0.01	0.00
2163.7	144,205	2163.7	144,205	2163.7	144,205	2163.7	144,205	0.00	0.00

(in Canada)

Undesired	Total IX	Unique IX, before		Unique IX, after	
W30EX-D D30 LD APP	1.0	61		1.0	61
WSYM-TV D28 DT APP	5.0	117	2.0	80	2.0
WSBT-TV D29 DT LIC	9.9	1,781	2.0	566	2.0
WGTU D29 DT CP	5.0	1,170	0.0	0	0.0
WNEO D29 DT LIC	8.9	2,037	3.0	832	3.0

Interference to BLEDT20031110AKO LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	
Undesireds:	W30EX-D	D30	LD	APP	Adrian, MI		55.3 km
	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK00000143341	135.1
	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK00000087455	231.4
	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK00000120667	226.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16233.8	2,203,311	16218.9	2,200,618	16217.9	2,200,557	0.01	0.00
2163.7	144,205	2163.7	144,205	2163.7	144,205	2163.7	144,205	0.00	0.00

(in Canada)

Undesired		Total IX		Unique IX, before		Unique IX, after	
W30EX-D D30 LD APP	1.0	61				1.0	61
WSYM-TV D28 DT APP	5.0	117		2.0	80	2.0	80
WSBT-TV D29 DT LIC	9.9	1,781		3.0	566	3.0	566
WNEO D29 DT LIC	8.9	2,037		3.0	832	3.0	832

Interference to BLANK0000125639 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	
Undesireds:	W30EX-D	D30	LD	APP	Adrian, MI		84.0 km
	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	126.1
	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	265.7
	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	316.6
	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	260.5
	WDIV-TV	D32	DT	LIC	DETROIT, MI	BLANK0000126974	4.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21705.8	5,749,759	21692.8	5,749,642	21004.3	5,656,211	20975.3	5,645,961	0.14	0.18
6203.1	534,208	6203.1	534,208	6202.1	534,208	6202.1	534,208	0.00	0.00

(in Canada)

Undesired		Total IX		Unique IX, before		Unique IX, after	
W30EX-D D30 LD APP	30.0	10,382				29.0	10,250
WNEM-TV D30 DT LIC	674.5	92,211		673.5	92,211	673.5	92,211
WNIT D31 DT LIC	3.0	106		0.0	0	0.0	0
WDTN D31 DT LIC	6.0	313		3.0	207	2.0	75
WYTV D31 DT LIC	1.0	10		0.0	0	0.0	0
WDIV-TV D32 DT LIC	9.0	907		8.0	907	8.0	907
WDIV-TV D32 DT LIC	1.0	0		1.0	0	1.0	0

(in Canada)

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EX-D	D30	LD	APP	Adrian, MI		
Undesireds:	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK00000106360	303.2 km
	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK00000113433	167.7
	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK00000151079	173.1

Service area		Terrain-limited		IX-free		Percent IX	
935.9	66,784	935.9	66,784	933.9	66,771	0.21	0.02

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNEM-TV D30 DT LIC	2.0 13	2.0 13	0.21 0.02