

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: AnnArbor30d8kwCL1469at210IncFF, Model: Longley-Rice

Start: 2021.07.12 15:19:30

Study created: 2021.07.12 15:19:29

Study build station data: LMS TV 2021-07-12

Proposal: W30EX-D D30 LD APP Ann Arbor, MI

Facility ID: 187441

Station data: User record

Record ID: 518

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	8.2 km
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	222.8
No	WXON-LP	D29+	LD	CP	FLINT, MI	BLANK0000143972	91.9
No	WUHQ-LD	D29	LD	LIC	GRAND RAPIDS, MI	BLDTL20111121AAI	176.3
No	WLNM-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	80.8
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	224.3
Yes	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	79.9
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	326.8
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLDTL20120131AAW	326.9
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	222.8
No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	183.0
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	343.7
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	477.5
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	464.1
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	125.5
No	WXII-LP	D30+	LD	CP	CEDAR, MI	BLANK0000071863	311.4
No	W30ET-D	D30-	LD	LIC	FLINT, MI	BLANK0000121598	297.8
No	WBUO-LD	D30	LD	APP	OLEAN, NY	BLANK0000130314	410.1

No	WVIZ	D30	LD	LIC	Cleveland, OH	BLANK0000151111	192.3
No	W30EY-D	D30	LD	APP	LIMA, OH	BLANK0000152132	294.7
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK0000151888	257.2
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	304.9
No	W30EW-D	D30	LD	CP	ERIE, PA	BNPDTL20100714AAI	310.1
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	372.8
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	376.6
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK0000107600	298.0
No	W30BU	D30+	LD	CP	GREEN BAY, WI	BLANK0000072177	411.9
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK0000087614	352.2
No	WPVS-LP	D30	LD	CP	MILWAUKEE, WI	BMPDTL20130205ACP	352.8
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	354.2
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	184.7
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	220.8
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	45.1
No	W31FF-D	D31	LD	CP	MAPLE VALLEY, MI	BLANK0000151117	227.8
No	WDMY-LP	N38-	TX	LIC	TOLEDO, OH	BLTT20050805AAT	78.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
 Mask: Full Service
 Latitude: 42 20 47.20 N (NAD83)
 Longitude: 83 42 17.80 W
 Height AMSL: 392.6 m
 HAAT: 0.0 m
 Peak ERP: 8.00 kW
 Antenna: KAT-CL-1469B (ID 1007708) 210.0 deg
 Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	116.6 m	5.9 km
45.0	0.000	94.7	5.3

90.0	0.000	132.7	6.2
135.0	0.000	144.0	6.5
180.0	3.10	134.8	38.4
225.0	6.19	105.5	39.7
270.0	0.000	110.9	5.7
315.0	0.000	117.3	5.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 120 m

Proposal 25.32 dBu contour does not cross Canadian border
Distance to Canadian border: 48.9 km

Distance to Mexican border: 2109.2 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 279.6 degrees Distance: 186.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 269.5 degrees Distance: 1809.9 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%

Interference to BLEDT20031110AKO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	
Undesireds:	W30EX-D	D30	LD	APP	Ann Arbor, MI		79.9 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
WPTO	D29	DT	LIC	OXFORD, OH	BLANK00000113643	296.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16231.8	2,202,930	16213.9	2,201,371	16208.0	2,193,519	0.04	0.36
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	7.9	8,314	6.0
WSYM-TV D28 DT LIC	6.0	629	3.0
WSBT-TV D29 DT LIC	11.9	1,275	6.0
WGTU D29 DT CP	3.0	462	0.0
WNEO D29 DT LIC	6.9	476	3.0
WPTO D29 DT LIC	1.0	16	0.0

Interference to BLEDT20031110AKO LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	
Undesireds: W30EX-D	D30	LD	APP	Ann Arbor, MI		79.9 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
WPTO	D29	DT	LIC	OXFORD, OH	BLANK00000113643	296.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16231.8	2,202,930	16213.9	2,201,371	16208.0	2,193,519	0.04	0.36
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	7.9	8,314	6.0

WSYM-TV D28 DT LIC	6.0	629	3.0	228	3.0	228
WSBT-TV D29 DT LIC	11.9	1,275	7.0	763	6.0	396
WNEO D29 DT LIC	6.9	476	3.0	56	3.0	56
WPTO D29 DT LIC	1.0	16	0.0	0	0.0	0

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	Ann Arbor, MI		79.9 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		
	WPTO	D29	DT	LIC	OXFORD, OH	BLANK00000113643	296.3		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16233.8	2,203,311	16231.8	2,202,930	16212.0	2,201,352	16206.0	2,193,500	0.04	0.36
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	7.9	8,314	6.0
WSYM-TV D28 DT APP	9.0	648	5.0
WSBT-TV D29 DT LIC	11.9	1,275	5.0
WGTU D29 DT CP	3.0	462	0.0
WNEO D29 DT LIC	6.9	476	3.0
WPTO D29 DT LIC	1.0	16	0.0

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	Ann Arbor, MI		79.9 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
WPTO	D29	DT	LIC	OXFORD, OH	BLANK00000113643	296.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
16233.8	2,203,311	16231.8	2,202,930	16212.0	2,201,352	16206.0	2,193,500	0.04	0.36
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	7.9	8,314	6.0
WSYM-TV D28 DT APP	9.0	648	5.0
WSBT-TV D29 DT LIC	11.9	1,275	6.0
WNEO D29 DT LIC	6.9	476	3.0
WPTO D29 DT LIC	1.0	16	0.0

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W30EX-D	D30	LD	APP	Ann Arbor, MI		
Undesireds:	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK00000106360	326.8 km
	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK00000113433	125.5
	W30EY-D	D30	LD	APP	LIMA, OH	BLANK00000152132	294.7
	WMYD	D31	DT	LIC	DETROIT, MI	BLANK00000125639	45.1

Service area	Terrain-limited	IX-free	Percent IX
1318.0	240,244	1317.0	240,244
1274.7	236,117	3.22	1.72

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNEM-TV D30 DT LIC	11.0	1,719	9.0
WMYD D31 DT LIC	33.4	2,408	31.4