

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: NewBremen30d15kwTUA180F, Model: Longley-Rice

Start: 2021.06.24 10:48:23

Study created: 2021.06.24 10:48:22

Study build station data: LMS TV 2021-06-24

Proposal: W30EY-D D30 LD APP New Bremen, OH

Facility ID: 187440

Station data: User record

Record ID: 333

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	DDW22DE	N22+	TX	APP	DAYTON, OH	BLTTTL20100511AAU	80.2 km
No	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	78.4
No	W51DU	D29-	LD	CP	LAFAYETTE, IN	BLANK0000054375	211.5
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	203.1
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150241	47.1
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150847	51.8
No	W29EL-D	D29	LD	CP	LIMA, OH	BLANK0000150352	51.8
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	5.5
No	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	146.6
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	156.6
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	134.2
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	110.7
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	349.0
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	317.2
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLDTL20120131AAW	316.3
No	WSPY-LD	D30	LD	LIC	EARLVILLE, IL	BLANK0000107800	378.3
No	W30DO-D	D30	LD	CP	BRAZIL, IN	BNPDTL20100510AFI	293.1
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	203.1

No	WELW-LD	D30	LD	CP	EVANSVILLE, IN	BLANK0000138318	387.3
No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	98.5
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	167.5
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	262.3
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	264.5
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	339.9
No	WVIZ	D30	LD	CP	Cleveland, OH	BLANK0000120864	255.1
No	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150841	84.4
No	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150264	47.1
No	W30EX-D	D30	LD	CP	LIMA, OH	BLANK0000150353	84.4
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	210.0
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	365.6
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	372.4
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK0000107600	342.7
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK0000087614	415.4
No	WPVS-LP	D30	LD	CP	MILWAUKEE, WI	BMPDTL20130205ACP	416.3
No	W30DU-D	D30	LD	CP	SUTTON, WV	BNPDTL20100514AAO	373.8
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	309.5
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	78.4
No	WQDE-LD	D31	LD	LIC	Indianapolis, IN	BLANK0000108667	167.5
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	201.1
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	244.6
Yes	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	80.4
No	WTZP-LD	D31	LD	LIC	PORTSMOUTH, OH	BLANK0000074508	217.2
No	WWRD-LP	N32+	TX	LIC	DAYTON, OH	BLTTTL20071011AAP	87.6

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: 40 26 14.50 N (NAD83)
Longitude: 84 22 0.00 W
Height AMSL: 301.0 m
HAAT: 0.0 m

Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 180.0 deg
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.056 kW	31.1 m	8.6 km
45.0	0.031	24.1	7.4
90.0	0.015	3.9	6.2
135.0	2.86	2.1	22.4
180.0	15.0	6.1	30.0
225.0	2.86	8.7	22.4
270.0	0.015	16.4	6.2
315.0	0.046	30.4	8.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 15 m

Proposal 25.32 dBu contour does not cross Canadian border
Distance to Canadian border: 192.1 km

Distance to Mexican border: 1941.8 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 331.8 degrees Distance: 274.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.8 degrees Distance: 1764.5 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 BLANK0000126718 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	
Undesireds:	W30EY-D	D30	LD	APP	New Bremen, OH		80.4 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	31348.5 3,808,245
							0.01 0.02
Undesired					Total IX	Unique IX, before	Unique IX, after
W30EY-D D30 LD APP		3.0			923	3.0	923
WNIT D31 DT LIC		17.0			273	3.0	8
WVUT D31 DT LIC		1.0			62	1.0	62
WMYD D31 DT LIC		299.5			6,306	124.7	2,678
WYTV D31 DT LIC		215.6			8,133	38.9	4,463
WOAY-TV D31 DT LIC		24.8			471	19.9	402

Interference to proposal scenario 1
15.63% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EY-D	D30	LD	APP	New Bremen, OH		
Undesireds:	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150241	47.1 km
	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	5.5
	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	203.1
	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150841	84.4
	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	210.0
	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	80.4

Service area		Terrain-limited		IX-free	Percent IX
856.1	30,629	855.1	30,629	730.0	25,843 14.62 15.63

Undesired		Total IX		Unique IX	Prcnt Unique IX
WAMS-LD D29z LD LIC	105.0	4,331	100.0	4,148	11.69 13.54
WSJV D30 DT LIC	4.0	155	0.0	0	0.00 0.00
W30EX-D D30 LD LIC	1.0	0	0.0	0	0.00 0.00
WHIZ-TV D30 DT LIC	1.0	148	0.0	0	0.00 0.00
WDTN D31 DT LIC	25.1	638	18.0	307	2.11 1.00

Interference to proposal scenario 2
15.63% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EY-D	D30	LD	APP	New Bremen, OH		
Undesireds:	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150241	47.1 km
	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	5.5
	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	203.1
	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150264	47.1
	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	210.0
	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	80.4

Service area		Terrain-limited		IX-free	Percent IX
856.1	30,629	855.1	30,629	730.0	25,843 14.62 15.63

Undesired		Total IX		Unique IX	Prcnt Unique IX
WAMS-LD D29z LD LIC	105.0	4,331	100.0	4,148	11.69 13.54
WSJV D30 DT LIC	4.0	155	0.0	0	0.00 0.00
WHIZ-TV D30 DT LIC	1.0	148	0.0	0	0.00 0.00
WDTN D31 DT LIC	25.1	638	18.0	307	2.11 1.00

Interference to proposal scenario 3
15.63% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EY-D	D30	LD	APP	New Bremen, OH		
Undesireds:	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK00000150241	47.1 km
	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK00000106606	5.5
	WSJV	D30	DT	LIC	ELKHART, IN	BLANK00000124380	203.1
	W30EX-D	D30	LD	CP	LIMA, OH	BLANK00000150353	84.4
	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK00000125049	210.0
	WDTN	D31	DT	LIC	DAYTON, OH	BLANK00000126718	80.4

Service area	Terrain-limited	IX-free	Percent IX
856.1 30,629	855.1 30,629	730.0 25,843	14.62 15.63

Undesired	Total IX	Unique IX	Prcnt Unique IX
WAMS-LD D29z LD LIC	105.0 4,331	100.0 4,148	11.69 13.54
WSJV D30 DT LIC	4.0 155	0.0 0	0.00 0.00
W30EX-D D30 LD CP	1.0 0	0.0 0	0.00 0.00
WHIZ-TV D30 DT LIC	1.0 148	0.0 0	0.00 0.00
WDTN D31 DT LIC	25.1 638	18.0 307	2.11 1.00