

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: NewBrem30d10kwTUA310F, Model: Longley-Rice

Start: 2021.06.17 12:09:36

Study created: 2021.06.17 12:09:35

Study build station data: LMS TV 2021-06-16

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

Facility ID: 187440

Station data: User record

Record ID: 154

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	CP	LIMA, OH	BLANK0000149642	47.1
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	BLEDTL20031110AKO	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	BLANK00000107877	167.5
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK00000087420	262.3
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK00000075044	264.5
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK00000113433	339.9
No	WVIZ	D30	LD	CP	Cleveland, OH	BLANK00000120864	255.1
Yes	W30EX-D	D30	LD	CP	LIMA, OH	BLANK00000149638	47.1
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK00000125049	210.0
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK00000007299	365.6
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK00000129480	372.4
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK00000107600	342.7
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK00000087614	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	BLANK00000074400	78.4
No	WQDE-LD	D31	LD	LIC	Indianapolis, IN	BLANK00000108667	167.5
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK00000087078	201.1
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK00000125639	244.6
Yes	WDTN	D31	DT	LIC	DAYTON, OH	BLANK00000126718	80.4
No	WTZP-LD	D31	LD	LIC	PORTSMOUTH, OH	BLANK00000074508	217.2
No	WWRD-LP	N32+	TX	LIC	DAYTON, OH	BLTTL20071011AAP	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: 10.0 kW  
 Antenna: DIE-TUA (ID 120649) 310.0 deg  
 Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.23 kW	31.1 m	18.7 km
45.0	0.018	24.1	6.5
90.0	0.016	3.9	6.3
135.0	0.034	2.1	7.5
180.0	0.026	6.1	7.1
225.0	0.009	8.7	5.5
270.0	2.74	16.4	22.2
315.0	9.62	30.4	28.0

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%

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Interference to BLANK0000149638 CP scenario 1

Desired:	Call W30EX-D	Chan D30	Svc LD	Status CP	City, State LIMA, OH	File Number BLANK0000149638	Distance
Undesireds:	W30EY-D	D30	LD	APP	New Bremen, OH		47.1 km
	W29EL-D	D29	LD	CP	LIMA, OH	BLANK0000149642	0.0
	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	280.3
	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	56.1

  

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
539.9      18,219	539.9      18,219	477.2      17,336	473.3      17,170	0.83      0.96

  

Undesired	Total IX	Unique IX, before	Unique IX, after
W30EY-D D30 LD APP	7.0      178	4.0      166	
W29EL-D D29 LD CP	34.8      467	32.8      448	
W30EH-D D30 LD LIC	29.9      435	28.0      416	

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Interference to BLANK0000126718 LIC scenario 1

Desired:	Call WDTN	Chan D31	Svc DT	Status LIC	City, State DAYTON, OH	File Number BLANK0000126718	Distance
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	31315.6      3,806,416	0.11      0.07

  

Undesired	Total IX	Unique IX, before	Unique IX, after
W30EY-D D30 LD APP	35.9      2,752	35.9      2,752	
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	19.9	402
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Interference to proposal scenario 1  
 2.59% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EY-D	D30	LD	APP	New Bremen, OH		
Undesireds:	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK00000106606	5.5 km
	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK00000106360	317.2

	Service area		Terrain-limited		IX-free		Percent IX
	731.1	46,228	731.1	46,228	712.1	45,030	2.59 2.59

  

Undesired		Total IX		Unique IX	Prcnt Unique IX
WAMS-LD D29z LD LIC	19.0	1,198	19.0	1,198	2.59 2.59