

Study created: 2019.10.29 20:28:23 JMc

Study build station data: LMS TV 2019-10-29

Proposal: WUDZ-LD D24 LD CP TERRE HAUTE, IN
File number: BLANK0000081700
Facility ID: 184277
Station data: User record
Record ID: 418
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	WCIU-TV	D23	DT	CP	CHICAGO, IL	BLANK0000078660	251.2 km
No	W23EQ-D	D23	LD	LIC	DANVILLE, IL	BLANK0000068569	131.5
No	WUSI-TV	D23	DT	CP	OLNEY, IL	BLANK0000034827	202.7
No	WUSI-TV	D23	DT	LIC	OLNEY, IL	BLANK0000087280	202.7
No	WCUH-LD	D23	LD	CP	FORT WAYNE, IN	BLANK0000052708	161.2
No	WCUH-LD	D23	LD	LIC	FORT WAYNE, IN	BLANK0000087109	161.2
No	WDTI	D23	DT	CP	INDIANAPOLIS, IN	BLANK0000034481	0.0
No	WUEA-LD	D23	LD	LIC	SOUTH BEND, IN	BLANK0000004243	163.3
No	WUEA-LD	D23	LD	CP	SOUTH BEND, IN	BLANK0000036429	169.3
No	W23DZ-D	D23	LD	LIC	TERRE HAUTE, IN	BLANK0000010881	142.0
No	W23DZ-D	D23	LD	CP	TERRE HAUTE, IN	BLANK0000010909	148.4
No	WKZT-TV	D23	DT	LIC	ELIZABETHTOWN, KY	BLANK0000087417	247.9
No	WKZT-TV	D23	DT	CP	ELIZABETHTOWN, KY	BLANK0000034628	247.9
No	WWHO	D23	DT	CP	CHILLICOTHE, OH	BLANK0000034759	271.5
No	WRJK-LP	D24	LD	CP	ARLINGTON HEIGHTS, IL	BMPDTL20140211ACV	251.2
Yes	WFLD	D24	DT	CP	CHICAGO, IL	BLANK0000072366	251.2
No	W24EV-D	D24	LD	CP	JACKSONVILLE, IL	BLANK0000071937	295.4
No	WHOI	D24	DT	CP	PEORIA, IL	BLANK0000034285	298.9
No	WDLH-LD	D24	LD	CP	EVANSVILLE, IN	BLANK0000072352	246.9
No	NEW	D24	LD	APP	EVANSVILLE, IN	BNPDTL20090825BAF	241.4
Yes	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLANK0000068624	159.6
No	WJTS-CD	D24	DC	LIC	JASPER, IN	BLANK0000083248	177.7
No	WNKY	D24	DT	CP	BOWLING GREEN, KY	BLANK0000025367	317.8
No	WNKY	D24	DT	LIC	BOWLING GREEN, KY	BLANK0000087327	317.8
Yes	WCVN-TV	D24	DT	LIC	COVINGTON, KY	BLEDT20020201ABJ	174.6
Yes	WMYO-CD	D24	DC	LIC	LOUISVILLE, KY	BLDTA20091030AGQ	172.8
Yes	WKON	D24	DT	CP	OWENTON, KY	BLANK0000086467	193.8
Yes	WKON	D24	DT	LIC	OWENTON, KY	BLANK0000087440	193.8
No	WKPI-TV	D24	DT	LIC	PIKEVILLE, KY	BLANK0000007531	431.7
No	WPXD-TV	D24	DT	CP	ANN ARBOR, MI	BLANK0000034355	376.0
No	WTLJ	D24	DT	LIC	MUSKEGON, MI	BLANK0000001674	341.4
No	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDDT20090626ACG	383.7
No	WEAO	D24	DT	CP	AKRON, OH	BLANK0000075952	408.4
No	WDEM-CD	D24	DC	LIC	COLUMBUS, OH	BLANK0000071611	271.5
No	WOIO	D24	LD	LIC	SHAKER HEIGHTS, OH	BLCDDT20110817AAW	411.9
No	WNPX-LP	D24-	LD	CP	NASHVILLE, TN	BLANK0000051849	406.3
No	WETP-TV	D24	DT	CP	SNEEDVILLE, TN	BLANK0000029748	471.5
No	WBME-CD	D24	DC	LIC	MILWAUKEE, WI	BLANK0000040426	385.3
No	WVAH-TV	D24	DT	CP	CHARLESTON, WV	BLANK0000027764	405.9
No	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	405.9
No	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000084058	251.2
No	WEDK-LD	D25	LD	CP	EFFINGHAM, IL	BLANK0000071856	226.0

No	W43DI-D	D25	LD	CP	FORT WAYNE, IN	BLANK0000052700	161.2
No	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	0.7
No	WCWW-LD	D25	LD	CP	SOUTH BEND, IN	BLANK0000054334	191.3
No	WCWW-LD	D25	LD	LIC	SOUTH BEND, IN	BLDTL20121022ABV	191.3
No	W50CI-D	D25	LD	CP	LOUISVILLE, KY	BLANK0000051790	172.8
No	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	268.7
No	W32DS-D	D25	LD	CP	MAPLEWOOD, OH	BLANK0000078087	160.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
 Mask: Full Service
 Latitude: 39 53 39.20 N (NAD83)
 Longitude: 86 12 20.50 W
 Height AMSL: 396.6 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic
 Elec Tilt: 0.50

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	122.9 m	46.3 km
45.0	15.0	146.9	48.0
90.0	15.0	159.2	48.8
135.0	15.0	163.1	49.0
180.0	15.0	173.7	49.7
225.0	15.0	149.5	48.1
270.0	15.0	130.1	46.8
315.0	15.0	122.5	46.3

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 146 m

Distance to Canadian border: 342.6 km

Distance to Mexican border: 1779.8 km

Conditions at FCC monitoring station: Allegan MI
 Bearing: 3.9 degrees Distance: 302.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 277.2 degrees Distance: 1616.0 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%

---- Below is IX received by proposal BLANK0000081700 ----

Proposal receives 16.50% interference from scenario 1
No IX check failures found.