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Study build station data: LMS TV 2018-05-24 (70)

Proposal: WDMW-LD D33 (D14) LD LIC JANESVILLE, WI  
File number: BLDTL20120626AAX  
Facility ID: 68041  
Station data: User record  
Record ID: 1778  
Country: U.S.

Build options:  
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W19CX	N19-	TX	LIC	STERLING-DIXON, IL	BLTT20070806AFB	95.2 km
No	WMKB-LP	N25z	TX	LIC	ROCHELLE, IL	BLTTTL20070813AFM	76.8
No	KQCT-LP	D32-	LD	APP	DAVENPORT, IA	BLANK0000054062	161.5
No	WLS-TV	D32	LD	APP	CHICAGO, IL	BDRTCDDT20090630AFT	153.5
No	WSPY-LD	D32	LD	LIC	Earlville, IL	BLANK0000013326	109.2
No	WSPY-LD	D32	LD	CP	Earlville, IL	BLANK0000013459	122.9
No	WSPY-LD	D32	LD	APP	Earlville, IL	BLANK0000016586	122.9
No	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	129.0
Yes	WTMJ-TV	D32	DT	CP	MILWAUKEE, WI	BLANK0000034843	111.3
Yes	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	111.3
No	K20KF-D	D33	LD	APP	DAVENPORT, IA	BLANK0000051752	193.5
Yes	WMAQ-TV	D33	DT	CP	CHICAGO, IL	BLANK0000034535	153.5
No	WCHU-LD	D33	LD	CP	CHICAGO, IL	BMPDTL20110912ACN	153.1
No	WCHU-LD	D33	LD	CP	CHICAGO, IL	BDISDTL20100720ABQ	153.1
No	WCHU-LD	D33	LD	LIC	CHICAGO, IL	BLDTL20110928ALC	153.1
Yes	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	153.5
No	WAOE	D33	DT	CP	PEORIA, IL	BLANK0000028263	230.9
No	W33DV-D	D33	LD	CP	PEORIA, IL	BDCCDTT20120713ADV	239.1
No	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	230.9
No	W33AY-D	D33	LD	LIC	SPRINGFIELD, IL	BLDTL20101122ABA	325.1
No	WTIU	D33	DT	CP	BLOOMINGTON, IN	BLANK0000034852	452.6
No	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	452.6
No	W33DC-D	D33	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAX	385.5
No	WQDE-LD	D33	LD	CP	Indianapolis, IN	BLANK0000001737	395.9
No	WQDE-LD	D33	LD	LIC	Indianapolis, IN	BLANK0000001378	369.5
No	WKAR-TV	D33	DT	CP	EAST LANSING, MI	BLANK0000027882	387.0
No	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	387.0
No	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	261.2
No	WOKZ-CD	D33	DC	CP	KALAMAZOO, MI	BLANK0000027731	290.9

No	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	290.9
No	KAAL	D33	LD	LIC	AUSTIN, MN	BLCDT20091009AAG	364.0
No	K33LN-D	D33	DC	LIC	MINNEAPOLIS, MN	BLDTA20111219AEB	417.0
No	K33LJ-D	D33	LD	CP	ROCHESTER, MN	BNPDTL20100216ADX	300.0
No	KTVO	D33	DT	APP	KIRKSVILLE, MO	BPCDT20130206ADL	363.6
No	KTVO	D33	DT	APP	KIRKSVILLE, MO	BLANK0000035797	363.6
No	KTVO	D33	DT	LIC	KIRKSVILLE, MO	BLCDT20030604AAC	363.6
No	W33DH-D	D33	LD	CP	EAU CLAIRE, WI	BLANK0000036215	299.7
Yes	WLAX	D33	DT	CP	LA CROSSE, WI	BLANK0000027619	218.6
No	W33DG-D	D33	LD	CP	LA CROSSE, WI	BNPDTL20100201AEU	235.8
Yes	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	218.6
No	WZAW-LD	D33	LD	LIC	WAUSAU, WI	BLANK0000013771	264.6
No	WWEA-LD	D33	LD	APP	WAUSAU, WI	BLANK0000051620	205.9
No	KQIN	D34	DT	LIC	DAVENPORT, IA	BLEDT20120921ADS	183.3
No	WCPX-TV	D34	DT	CP	CHICAGO, IL	BLANK0000034347	153.6
No	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	153.6
No	W34EM-D	D34	LD	CP	LEE, IL	BNPDTL20100524AFR	76.8
No	W50DR-D	D34	LD	APP	LA CROSSE, WI	BLANK0000052410	218.4
No	WWRS-TV	D34	DT	CP	MAYVILLE, WI	BLANK0000026658	97.7
No	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	97.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33  
 Mask: Full Service  
 Latitude: 42 41 9.40 N (NAD83)  
 Longitude: 89 9 5.10 W  
 Height AMSL: 350.6 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: (replication) 0.0 deg  
 Elev Pattn: Generic  
 Elec Tilt: 1.75

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	22.0 kW	83.7 m	42.9 km
45.0	19.8	80.1	41.9
90.0	22.4	88.0	43.6
135.0	21.9	107.3	45.9
180.0	16.5	93.2	42.8
225.0	4.75	90.7	36.4

270.0	1.48	74.0	28.2
315.0	9.53	71.2	37.0

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 86 m

Distance to Canadian border: 496.3 km

Distance to Mexican border: 1803.3 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 90.9 degrees    Distance: 261.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 263.5 degrees    Distance: 1366.8 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 BLDTL20120626AAX ----

Proposal receives 6.22% interference from scenario 1  
No IX check failures found.