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Study build station data: LMS TV 2019-04-16

Proposal: W43CT-D D30 LD CP EAU CLAIRE, WI
File number: BNPDTL20090825AYV
Facility ID: 182316
Station data: User record
Record ID: 141
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	KGAN	D29	DT LIC	CEDAR RAPIDS, IA
	BLCDT20140416AAI		274.0 km	
Yes	WFTC	D29	DT LIC	MINNEAPOLIS, MN
	BLCDT20100809CJF		136.9	
No	K29JH-D	D29	LD CP	ST CHARLES, MN
	BNPDTL20090825BXT		101.4	
No	W29ET-D	D29	LD LIC	COLOMA, WI
	BLANK0000060433		170.4	
No	W29DQ-D	D29	LD CP	EAU CLAIRE, WI
	BNPDTL20090825AYN		0.0	
No	KMIK-LD	D30	LD CP	CEDAR FALLS, IA
	BLANK0000052697		256.5	
No	KLJB	D30	DT CP	DAVENPORT, IA
	BLANK0000034774		393.0	
No	KPTH	D30	DT LIC	SIOUX CITY, IA
	BLANK0000063710		454.4	
No	WCRD-LP	D30	LD CP	CARTHAGE, IL
	BDCCDTL20061030AMS		329.3	
No	K30NI-D	D30	LD CP	ALBERT LEO, MN
	BNPDTL20100510AJS		197.8	
No	K30AF-D	D30	LD LIC	ALEXANDRIA, MN
	BLDTL20120313ABL		339.3	
No	K30MZ-D	D30	LD CP	BRAINERD, MN
	BNPDTL20100609AFP		277.1	
No	K30NX-D	D30	LD CP	DULUTH, MN
	BNPDTL20100513ABN		231.4	
No	K30KQ-D	D30	LD LIC	JACKSON, MN
	BLDTL20130321ACB		311.4	
Yes	KSTC-TV	D30	DT CP	MINNEAPOLIS, MN
	BLANK0000034690		138.2	
No	K30FN-D	D30	LD LIC	ST. JAMES, MN
	BLDTL20100416AAI		261.2	
No	K30FN-D	D30	LD CP	ST. JAMES, MN
	BLANK0000058897		261.2	

No	K30FZ-D	D30	LD	LIC	WILLMAR, MN
	BLDTT20141107AAY		287.3		
Yes	WEAU	D30	LD	APP	EAU CLAIRE, WI
	BLANK0000054696		106.6		
No	W30DZ-D	D30	LD	LIC	FENCE, WI
	BLANK0000060424		259.0		
No	W30BU	N30+	TX	LIC	GREEN BAY, WI
	BLTTL20030923AAD		276.9		
No	WPXE-TV	D30	DT	CP	KENOSHA, WI
	BLANK0000068030		338.7		
No	K39LW-D	D31	LD	CP	LANSING, IA
	BLANK0000035575		158.0		
No	WDMI-LD	D31	LD	LIC	MINNEAPOLIS, MN
	BLDTL20100809CIU		141.2		
No	K31LN-D	D31	LD	CP	ROCHESTER, MN
	BNPDTL20100309AAW		116.4		
No	K31KX-D	D31	LD	CP	ST CHARLES, MN
	BNPDTL20090825BXU		101.4		
No	W31DN-D	D31	LD	CP	EAU CLAIRE, WI
	BNPDTL20090825AYR		0.0		
No	K31GH-D	D31-	LD	LIC	HAYWARD, WI
	BLANK0000016624		137.3		
No	K31GH-D	N31-	TX	LIC	HAYWARD, WI
	BLTTL20020729AAS		137.3		

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: Stringent
Latitude: 44 45 46.10 N (NAD83)
Longitude: 91 26 7.60 W
Height AMSL: 343.9 m
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	68.1 m	25.7 km
45.0	1.00	64.4	25.2
90.0	1.00	41.5	20.5
135.0	1.00	41.6	20.5
180.0	1.00	34.3	18.6
225.0	1.00	46.6	21.8
270.0	1.00	88.3	28.4
315.0	1.00	79.3	27.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 58 m

Distance to Canadian border: 364.8 km

Distance to Mexican border: 1881.7 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 116.6 degrees Distance: 501.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 250.4 degrees Distance: 1239.4 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 BNPDTL20090825AYV -----

Proposal receives 4.23% interference from scenario 1
No IX check failures found.