Study created: 2019.10.15 09:52:49 JMc

Study build station data: LMS TV 2019-10-15

Proposal: WTSJ-LP D26 LD CP MILWAUKEE, WI
File number: BLANK0000051670
Facility ID: 56213
Station data: User record
Record ID: 372
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	WRJK-LP	N22-	TX	LIC	ARLINGTON HEIGHTS, IL	BLTT19991020AAO	106.8 km
No	W25DW-D	D25	LD	LIC	ARBURY HILLS, IL	BLDTL20110224ACQ	136.6
No	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000034877	137.1
No	WTTW	D25	DT	APP	CHICAGO, IL	BLANK0000084058	137.1
No	WMKB-LP	N25z	TX	LIC	Rochelle, IL	BLTTL20070813AFM	162.1
No	WBKM-LP	D25+	LD	CP	Rockford, IL	BLANK0000054706	162.1
No	WCWW-LD	D25	LD	CP	SOUTH BEND, IN	BLANK0000054334	216.9
No	WCWW-LD	D25	LD	LIC	SOUTH BEND, IN	BLDTL20121022ABV	216.9
No	WOGC-CD	D25	DC	LIC	HOLLAND, MI	BLDTA20120316ADA	161.5
No	WPNE-TV	D25	DT	LIC	GREEN BAY, WI	BLANK0000055599	146.2
No	WPNE-TV	D25	DT	CP	GREEN BAY, WI	BLANK0000031831	146.2
No	KBBA-LD	D26	LD	CP	CEDAR FALLS, IA	BLANK0000052694	360.6
Yes	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000080446	135.1
No	WBBM-TV	D26	LD	LIC	CHICAGO, IL	BLCDT20140305ABH	129.3
No	WRDH-LP	D26	LD	CP	HOLCOMB, IL	BDCCDTL20061030ANL	162.1
No	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	305.2
No	WUEB-LD	D26	LD	CP	ROCKFORD, IL	BLANK0000053006	256.0
No	WCCU	D26	DT	LIC	URBANA, IL	BLCDT20050317ADS	309.4
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDTL20091005ABQ	305.7
No	WISH-TV	D26	LD	APP	INDIANAPOLIS, IN	BLANK0000054863	366.1
No	WJGP-LD	D26	LD	LIC	KALAMAZOO, MI	BLDTL20091210ADC	235.7
No	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	229.1
No	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	378.4
No	WNHO-LP	N26-	TX	LIC	DEFIANCE, OH	BLTTL20031007AAN	342.2
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	399.6
No	W26FG-D	D26	LD	CP	EAU CLAIRE, WI	BLANK0000072223	339.3
No	W26FD-D	D26	LD	CP	LA CROSSE, WI	BLANK0000071991	302.8
Yes	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	132.5
No	W26ED-D	D26	LD	CP	TOMAHAWK, WI	BNPDTL20100510AFH	303.7
No	W26EE-D	D26	LD	LIC	WITTENBERG, WI	BLDTL20120620ABV	225.6
No	WCIU-TV	D27	DT	LIC	CHICAGO, IL	BLCDT20110822ADN	137.1
No	W27EJ-D	D27	LD	LIC	STERLING, IL	BLANK0000063145	192.8
No	W40CN-D	D27	DC	CP	SUGAR GROVE, IL	BLANK0000034531	137.6
No	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	216.2
No	W48CL	D27+	LD	CP	GRAND RAPIDS, MI	BLANK0000052038	176.0
No	WVTV	D27	DT	CP	MILWAUKEE, WI	BLANK0000082101	0.1
No	WPVS-LP	N29z	TX	LIC	MILWAUKEE, WI	BLTTL20080221AAP	47.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D26
       Mask: Full Service
   Latitude:  43  5 46.20 N (NAD83)
  Longitude:  87 54 15.00 W
Height AMSL: 389.4 m
       HAAT: 0.0 m
   Peak ERP: 10.0 kW
    Antenna: PSI LPAHP-26 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.75
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50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	185.3 m	48.1 km
45.0	2.32	212.4	42.1
90.0	0.000	212.4	7.9
135.0	2.32	210.0	42.0
180.0	10.0	195.1	48.7
225.0	2.32	171.1	39.7
270.0	0.000	171.0	7.2
315.0	2.32	172.7	39.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 191 m

Distance to Canadian border: 401.8 km

Distance to Mexican border: 1905.4 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 108.3 degrees Distance: 167.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 263.1 degrees Distance: 1473.0 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 BLANK0000051670 ----

Proposal receives 42.12% interference from scenario 1
No IX check failures found.