Study created: 2019.10.14 14:49:15 JMc

Study build station data: LMS TV 2019-10-14

    Proposal: WPVN-CD D26 DC STA CHICAGO, IL
 Facility ID: 168237
Station data: User record
   Record ID: 364
     Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
All APP records excluded

Individual records excluded:
20110224ACQ   W25DW-D D25 LD LIC ARBURY HILLS, IL BLDTL20110224ACQ
20140305ABH   WBBM-TV D26 LD LIC CHICAGO, IL BLCDT20140305ABH

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W19CX	N19-	TX	LIC	STERLING-DIXON, IL	BLTT20070806AFB	164.0 km
No	WRJK-LP	N22-	TX	LIC	ARLINGTON HEIGHTS, IL	BLTT19991020AAO	39.8
Yes	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000034877	2.5
Yes	WTTW	D25	DT	BL	CHICAGO, IL	DTVBL10802	2.5
No	WEEK-TV	D25	DT	LIC	PEORIA, IL	BLCDT20090413AER	213.9
No	WMKB-LP	N25z	TX	LIC	Rochelle, IL	BLTTL20070813AFM	131.1
No	WBKM-LP	D25+	LD	CP	Rockford, IL	BLANK0000054706	131.1
No	W43DI-D	D25	LD	CP	FORT WAYNE, IN	BLANK0000052700	224.6
No	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	252.3
No	WCWW-LD	D25	LD	CP	SOUTH BEND, IN	BLANK0000054334	123.3
No	WCWW-LD	D25	LD	LIC	SOUTH BEND, IN	BLDTL20121022ABV	123.3
No	WOGC-CD	D25	DC	LIC	HOLLAND, MI	BLDTA20120316ADA	170.8
No	WJGP-LD	D25	LD	CP	KALAMAZOO, MI	BLANK0000054651	190.3
No	WTSJ-LP	D25	LD	CP	MILWAUKEE, WI	BLANK0000051670	135.1
No	KBBA-LD	D26	LD	CP	CEDAR FALLS, IA	BLANK0000052694	388.1
No	K26PC-D	D26	LD	CP	OTTUMWA, IA	BNPDTL20101013AAT	408.2
No	WRDH-LP	D26	LD	CP	HOLCOMB, IL	BDCCDTL20061030ANL	131.1
Yes	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	212.9
Yes	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	212.9
No	WUEB-LD	D26	LD	CP	ROCKFORD, IL	BLANK0000053006	223.8
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDTL20091005ABQ	222.7
No	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	446.0
No	WFIE	D26	DT	BL	EVANSVILLE, IN	DTVBL13991	446.0
No	WJGP-LD	D26	LD	LIC	KALAMAZOO, MI	BLDTL20091210ADC	190.3
No	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	284.6
No	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	444.5
No	KPLR-TV	D26	DT	LIC	ST. LOUIS, MO	BLCDT20030812ABY	434.8
No	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	405.8
No	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	405.8
No	WNHO-LP	N26-	TX	LIC	DEFIANCE, OH	BLTTL20031007AAN	265.2
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	347.4
No	WUPW	D26	DT	BL	TOLEDO, OH	DTVBL19190	347.4
No	W26FD-D	D26	LD	CP	LA CROSSE, WI	BLANK0000071991	389.9
Yes	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	202.7
No	W26EE-D	D26	LD	LIC	WITTENBERG, WI	BLDTL20120620ABV	358.6
No	W27EQ-D	D27	LD	CP	PEORIA, IL	BLANK0000071922	210.1

No	W27EJ-D	D27	LD	LIC	STERLING, IL	BLANK0000063145	164.0
Yes	W40CN-D	D27	DC	CP	SUGAR GROVE, IL	BLANK0000034531	27.8
No	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	70.1
Yes	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	121.4
Yes	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	121.4
Yes	WVTV	D27	DT	CP	MILWAUKEE, WI	BLANK0000082101	135.1
Yes	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	135.0

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:  41 53 56.10 N (NAD83)
  Longitude:  87 37 23.20 W
Height AMSL: 529.7 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: DIE DLP 8M 26 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.00
```

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.12 kW	354.3 m	54.7 km
45.0	0.637	354.6	42.0
90.0	0.612	354.2	41.7
135.0	3.76	354.6	52.1
180.0	12.6	348.1	58.3
225.0	13.4	348.0	58.6
270.0	12.5	343.6	58.0
315.0	14.4	347.3	59.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 351 m

Distance to Canadian border: 370.0 km

Distance to Mexican border: 1827.9 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 59.6 degrees Distance: 158.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 268.4 degrees Distance: 1486.0 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 WPVN-CD ----

Proposal receives 1.49% interference from scenario 1
Proposal receives 1.51% interference from scenario 2
Proposal receives 1.49% interference from scenario 3
Proposal receives 1.51% interference from scenario 4
Proposal receives 1.41% interference from scenario 5
Proposal receives 1.43% interference from scenario 6
Proposal receives 1.41% interference from scenario 7
Proposal receives 1.43% interference from scenario 8
No IX check failures found.