Study created: 2020.11.19 13:50:58

Study build station data: LMS TV 2020-11-05

Proposal: WBWM-LD D28 LD CP MT PLEASANT, MI
File number: BLANK0000071789
Facility ID: 191111
Station data: User record
Record ID: 262
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WNDU-TV	D27	DT	LIC	SOUTH BEND, IN	BLANK0000116736	251.8 km
No	WFHD-LP	N27z	TX	LIC	ANN ARBOR, MI	BLTT20000925AAY	169.2
No	W48CL	D27+	LD	CP	GRAND RAPIDS, MI	BLANK0000052038	102.5
No	WADL	D27	DT	LIC	MOUNT CLEMENS, MI	BLANK0000111708	191.9
No	W27DM-D	D27	LD	CP	ROSCOMMON, MI	BNPDTL20100223AAO	104.0
No	W27DU-D	D27	LD	CP	TRAVERSE CITY, MI	BNPDTL20100510AGO	148.2
No	WVTV	D27	DT	LIC	MILWAUKEE, WI	BLANK0000121792	260.1
No	WEDE-CD	D28	DC	LIC	ARLINGTON HEIGHTS, IL	BLANK0000112254	302.9
No	WIFR-LD	D28	LD	CP	ROCKFORD, IL	BLANK0000075333	386.8
No	W28EY-D	D28	LD	CP	FORT WAYNE, IN	BLANK0000071946	287.8
No	WIWU-CD	D28	DC	LIC	MARION, IN	BLANK0000086502	340.0
No	WMYS-LD	D28	LD	LIC	SOUTH BEND, IN	BLANK0000086895	249.8
No	W28EJ-D	D28	LD	CP	CHARLES, MI	BNPDTL20100223ADW	278.6
No	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK0000105571	126.6
No	WLPC-CD	D28	LD	LIC	Redford, MI	BLANK0000112211	198.8
No	W28DY-D	D28	LD	LIC	SAULT STE. MARIE, MI	BLDTL20121210ABV	316.7
No	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK0000087264	432.4
No	WJET-TV	D28	DT	LIC	ERIE, PA	BLANK0000080704	420.3
No	WYOW	D28	DT	LIC	EAGLE RIVER, WI	BLCDT20121005AAF	428.7
No	WYOW	D28	DT	APP	EAGLE RIVER, WI	BPCDT20121019AAE	428.7
No	WISN-TV	D28	DT	LIC	MILWAUKEE, WI	BLANK0000089554	261.5
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	250.8
No	W09CK	D29+	LD	CP	FLINT, MI	BLANK0000071798	99.7
No	WUHQ-LD	D29	LD	LIC	GRAND RAPIDS, MI	BLDTL20111121AAI	104.6
No	WLNM-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	99.4
No	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	112.5
No	WGTU	D29	DT	CP	TRAVERSE CITY, MI	BLANK0000035794	129.5
No	WGTU	D29	DT	LIC	TRAVERSE CITY, MI	BLCDT20090622AFH	129.5
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	242.2
No	WDJT-TV	D29	DT	LIC	MILWAUKEE, WI	BLANK0000086892	261.7
No	WBWM-LP	N32z	TX	LIC	MOUNT PLEASANT, MI	BLTTL20001220ABG	3.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D28
       Mask: Full Service
   Latitude:  43 36 14.00 N (NAD83)
  Longitude:  84 45 49.00 W
Height AMSL: 244.0 m (Adjusted based on actual ground elevation calculation)
       HAAT: 0.0 m
   Peak ERP: 2.90 kW
    Antenna: Samco Ant 240.0 deg
Elev Pattrn: Generic
```

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	8.4 m	3.3 km
45.0	0.001	22.6	3.3
90.0	0.001	22.5	3.3
135.0	0.001	16.0	3.3
180.0	0.003	-2.5	4.1
225.0	1.68	-18.8	20.1
270.0	0.397	-14.9	13.9
315.0	0.001	-8.9	3.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 3 m

Proposal 25.14 dBu contour does not cross Canadian border
Distance to Canadian border: 198.7 km

Distance to Mexican border: 2128.1 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 221.5 degrees Distance: 147.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 264.2 degrees Distance: 1731.5 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 BLANK0000071789 ----

Proposal receives 4.00% interference from scenario 1
No IX check failures found.