Study created: 2022.05.04 12:46:43

Study build station data: LMS TV 2022-04-26

Proposal: WUDT-LD D8 LD CP Detroit, MI
File number: BLANK0000052511
Facility ID: 70421
Station data: User record
Record ID: 1887
Country: U.S.

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WJBK	D7	DT	LIC	DETROIT, MI	BLANK0000126157	3.6 km
No	WOOD-TV	D7	DT	LIC	GRAND RAPIDS, MI	BLANK0000141784	193.1
No	WCDN-LD	D7	LD	LIC	CLEVELAND, OH	BLDVL20101102ACM	170.1
Yes	WWMT	D8	DT	LIC	KALAMAZOO, MI	BLANK0000159066	194.7
No	WGTQ	D8	DT	LIC	SAULT STE. MARIE, MI	BLANK0000163419	407.5
Yes	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	170.5
No	WGCT-CD	D8	DC	LIC	COLUMBUS, OH	BLANK0000160093	269.1
Yes	WLIO	D8	DT	LIC	LIMA, OH	BLANK0000079203	201.9
No	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	419.7
No	WMVS	D8	DT	APP	MILWAUKEE, WI	BLANK0000035791	392.6
No	WMVS	D8	DT	LIC	MILWAUKEE, WI	BLANK0000040294	392.6
No	WVMY-LD	D8	LD	CP	PARKERSBURG, WV	BPDVL20140627ABH	370.1
No	WVMY-LD	D8	LD	LIC	PARKERSBURG, WV	BLDVL20140527AIA	370.1
No	WWVW-LD	D8	LD	LIC	WHEELING, WV	BLDVL20121102ADW	333.6
No	WWTV	D9	DT	LIC	CADILLAC, MI	BLCDT20091217ACZ	257.0
No	WWTV	D9	DT	CP	CADILLAC, MI	BLANK0000035807	257.0
No	WXON-LD	N9+	TX	LIC	MILLINGTON, MI	BLTVL20030609AGJ	85.2
Yes	CFTO-DT	D8	DT	LIC	TORONTO, ON	BLANKCANADA232	334.9
No	CBET-DT	D9	DT	LIC	WINDSOR, ON	BLANKCANADA242	37.4

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WRDT 560 L DAD N MONROE, MI BMML20110811ACK

Record parameters as studied:

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    Channel: D8
       Mask: Full Service
   Latitude:  42 26 52.50 N (NAD83)
  Longitude:  83 10 23.10 W
Height AMSL: 418.8 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna:  25.0 deg
Elev Pattrn: Generic

48.0 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   3.00 kW   204.5 m   56.6 km
 45.0       3.00      227.0     57.9
 90.0       2.97      227.2     57.8
135.0       2.54      224.8     56.5
180.0       1.41      229.9     52.6
225.0       1.35      226.9     52.1
270.0       2.40      218.7     55.8
315.0       2.94      195.8     56.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 219 m

**Proposal 21.00 dBu contour crosses Canadian border, coordination required
Distance to Canadian border: 17.0 km

Distance to Mexican border: 2151.3 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 275.3 degrees   Distance: 228.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 269.5 degrees   Distance: 1853.7 km


Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
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Maximum new IX to LPTV: 2.00%

No IX check failures found.