

Study created: 2018.04.01 11:41:13

Study build station data: LMS TV 2018-03-31 (46)

Proposal: WMWD-LD D15 LD LIC MADISON, WI
File number: BLDTL20110802AAF
Facility ID: 68073
Station data: User record
Record ID: 1067
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 | KBBA-LD | D14 | LD | CP | Cedar Rapids, IA | BLANK0000004674 | 214.0 km |
| No | KFXB-TV | D14 | DT | CP | DUBUQUE, IA | BLANK0000041255 | 110.4 |
| No | WGBA-TV | D14 | DT | CP | GREEN BAY, WI | BLANK0000034924 | 188.6 |
| No | KYOU-TV | D15 | DT | LIC | OTTUMWA, IA | BLANK0000001581 | 290.3 |
| No | WSEC | D15 | DT | LIC | JACKSONVILLE, IL | BLEDT20031031ADN | 386.4 |
| No | WICS | D15 | DT | CP | SPRINGFIELD, IL | BLANK0000027418 | 361.1 |
| No | WICS | D15 | DT | APP | SPRINGFIELD, IL | BLANK0000034386 | 361.1 |
| No | WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000034055 | 445.0 |
| No | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 303.7 |
| No | KWJM-LD | D15 | LD | LIC | Minneapolis, MN | BLANK0000004612 | 337.7 |
| No | KWJM-LD | D15 | LD | CP | Minneapolis, MN | BLANK0000004719 | 371.0 |
| No | WQOW | D15 | DT | LIC | EAU CLAIRE, WI | BLCDT20090706AGH | 251.1 |
| Yes | WHLA-TV | D15 | DT | CP | LA CROSSE, WI | BLANK0000031829 | 174.0 |
| No | NEW | D15 | LD | APP | LA CROSSE, WI | BNPDTL20100201AET | 174.0 |
| No | W15DJ-D | D15 | LD | LIC | SISTER BAY, WI | BLDTT20150122AAB | 308.6 |
| Yes | WCWF | D15 | DT | CP | SURING, WI | BLANK0000034485 | 192.3 |
| No | W15DM-D | D15 | LD | CP | WAUPACA, WI | BDCCDTL20120221AAC | 158.0 |
| Yes | WTVO | D16 | DT | LIC | ROCKFORD, IL | BLCDT20021024AAS | 88.7 |
| No | WRJK-LP | N22- | TX | LIC | ARLINGTON HEIGHTS, IL | BLTT19991020AAO | 159.2 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Full Service

Latitude: 43 3 9.00 N (NAD83)
Longitude: 89 28 42.00 W
Height AMSL: 411.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: AND-ALP16L2-HSOC (ID 16531) 50.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

48.8 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 11.4 kW | 134.4 m | 46.8 km |
| 45.0 | 14.9 | 147.9 | 49.1 |
| 90.0 | 12.6 | 150.3 | 48.4 |
| 135.0 | 7.17 | 124.3 | 43.8 |
| 180.0 | 5.54 | 98.9 | 40.2 |
| 225.0 | 6.81 | 100.0 | 41.3 |
| 270.0 | 5.82 | 82.5 | 38.3 |
| 315.0 | 6.33 | 99.4 | 40.9 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 117 m

Distance to Canadian border: 526.9 km

Distance to Mexican border: 1817.1 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 98.6 degrees Distance: 291.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 261.5 degrees Distance: 1345.7 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 2.00 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%

No IX check failures found.