

Study created: 2018.04.11 11:42:06

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

Proposal: WBXZ-LP D23 LD LIC BUFFALO, NY
File number: BLDLTL20140501AAD
Facility ID: 14317
Station data: User record
Record ID: 1242
Country: U.S.

Build options:
Protect baseline records from LPTV

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-----|---------|------|-----|--------|----------------|-------------------|----------|
| No | WWHC-LP | N20 | TX | LIC | OLEAN, NY | BLANK0000022154 | 99.5 km |
| No | WECY-LD | D22 | LD | LIC | CORNING, NY | BLANK0000024397 | 168.6 |
| No | WXXI-TV | D22 | DT | CP | ROCHESTER, NY | BLANK0000029838 | 108.8 |
| Yes | WXXI-TV | D22 | DT | BL | ROCHESTER, NY | DTVBL57274 | 108.8 |
| No | WDVM-TV | D23 | DT | CP | HAGERSTOWN, MD | BLANK0000034764 | 365.6 |
| No | WDVM-TV | D23 | DT | BL | HAGERSTOWN, MD | DTVBL25045 | 365.6 |
| No | WBSF | D23 | DT | CP | BAY CITY, MI | BLANK0000027775 | 408.1 |
| No | WBSF | D23 | DT | APP | BAY CITY, MI | BLANK0000034870 | 395.3 |
| No | WBSF | D23 | DT | BL | BAY CITY, MI | DTVBL82627 | 408.1 |
| No | WUDT-LD | D23 | LD | LIC | Detroit, MI | BLANK0000007868 | 354.4 |
| No | WBPN-LD | D23 | LD | CP | BINGHAMTON, NY | BMPDTL20130212ABG | 254.7 |
| Yes | WETM-TV | D23 | DT | CP | ELMIRA, NY | BLANK0000029984 | 185.5 |
| Yes | WETM-TV | D23 | DT | BL | ELMIRA, NY | DTVBL60653 | 185.5 |
| No | WNPI-DT | D23 | DT | LIC | NORWOOD, NY | BLEDT20050715ABZ | 369.3 |
| No | WHSU-CD | D23 | DC | CP | SYRACUSE, NY | BLANK0000034940 | 221.3 |
| No | WHSU-CD | D23 | DC | BL | SYRACUSE, NY | DTVBL629 | 221.3 |
| No | WNWO-TV | D23 | DT | CP | TOLEDO, OH | BLANK0000024772 | 392.3 |
| No | WNWO-TV | D23 | DT | APP | TOLEDO, OH | BLANK0000033631 | 392.3 |
| No | WNWO-TV | D23 | DT | BL | TOLEDO, OH | DTVBL73354 | 392.3 |
| No | WPXI | D23 | LD | LIC | PITTSBURGH, PA | BLCDT20100429ADA | 342.5 |
| No | WPXI | D23 | DT | CP | PITTSBURGH, PA | BLANK0000034876 | 284.5 |
| No | WPXI | D23 | DT | BL | PITTSBURGH, PA | DTVBL73910 | 284.5 |
| No | W23DR-D | D23 | LD | LIC | ROMNEY, WV | BLDTT20090609AAZ | 397.1 |
| Yes | WPXJ-TV | D24 | DT | CP | BATAVIA, NY | BLANK0000034885 | 70.1 |
| Yes | WPXJ-TV | D24 | DT | BL | BATAVIA, NY | DTVBL2325 | 70.1 |
| No | WTAJ-TV | D24 | DT | CP | ALTOONA, PA | BLANK0000034754 | 259.6 |
| No | WTAJ-TV | D24 | DT | BL | ALTOONA, PA | DTVBL23341 | 259.6 |
| No | W30BW | N30+ | TX | LIC | OLEAN, NY | BLTT20020307ABR | 99.5 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23
Mask: Full Service
Latitude: 42 52 48.20 N (NAD83)
Longitude: 78 52 33.50 W
Height AMSL: 351.4 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SCA-4DR-4-2HW (ID 69190) 80.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.7 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 10.3 kW | 166.9 m | 47.5 km |
| 45.0 | 10.8 | 152.8 | 46.8 |
| 90.0 | 13.5 | 160.5 | 48.5 |
| 135.0 | 14.5 | 150.6 | 48.1 |
| 180.0 | 4.87 | 169.7 | 43.9 |
| 225.0 | 0.006 | 177.4 | 12.2 |
| 270.0 | 0.006 | 173.2 | 12.0 |
| 315.0 | 0.087 | 173.3 | 23.5 |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 166 m

****Proposal 24.66 dBu contour crosses Canadian border, coordination required**

Distance to Canadian border: 3.2 km

Distance to Mexican border: 2472.0 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 87.8 degrees Distance: 131.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 271.1 degrees Distance: 2204.6 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%

No IX check failures found.