

Study created: 2018.07.31 12:23:41

Study build station data: LMS TV 2018-07-30

Proposal: W42AE D23z LD APP POUGHKEEPSIE, NY
File number: W42AE D23 11 kW G
Facility ID: 17770
Station data: User record
Record ID: 2088
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-----|---------|------|-----|--------|-------------------|--------------------|----------|
| No | W20CM | N20- | TX | LIC | PORT JERVIS, NY | BLTTL20071129AIS | 69.1 km |
| No | WUTH-CD | D22 | DC | CP | HARTFORD, CT | BLANK0000034459 | 126.2 |
| No | WBPX-TV | D22 | DT | CP | BOSTON, MA | BLANK0000034343 | 238.1 |
| Yes | WGBY-TV | D22 | DT | LIC | SPRINGFIELD, MA | BLEDT20090612ACH | 125.6 |
| No | WVMA-CD | D22 | DC | CP | WINCHENDON, MA | BLANK0000033356 | 198.1 |
| No | WNJS | D22 | DT | LIC | CAMDEN, NJ | BLANK0000040675 | 232.5 |
| No | WDVB-CD | D22 | DC | CP | EDISON, NJ | BLANK0000034859 | 107.9 |
| No | WPHY-CD | D22 | DC | CP | TRENTON, NJ | BLANK0000034674 | 213.6 |
| No | W22EW-D | D22+ | LD | LIC | West Orange, NJ | BLANK0000018995 | 93.2 |
| No | W22EW-D | D22+ | LD | APP | West Orange, NJ | BLANK0000033500 | 105.7 |
| No | WXNY-LD | D22 | LD | CP | NEW YORK, NY | BDISDTL20100421AAT | 108.1 |
| No | WCBS-TV | D22 | LD | LIC | NEW YORK, NY | BLCDT20120905AAO | 128.4 |
| Yes | WEPT-CD | D22 | DC | LIC | NEWBURGH, NY | BLANK0000001567 | 41.6 |
| Yes | WCWN | D22 | DT | CP | SCHENECTADY, NY | BLANK0000033782 | 100.8 |
| No | WOLF-TV | D22 | DT | CP | HAZLETON, PA | BLANK0000027934 | 167.1 |
| No | WNEP-TV | D22 | LD | LIC | SCRANTON, PA | BLCDT20091216AAH | 119.1 |
| No | WDDN-LD | D23 | LD | LIC | WASHINGTON, DC | BLDTL20120810AAG | 398.1 |
| Yes | WDMR-LD | D23 | LD | APP | SPRINGFIELD, MA | BLANK0000053791 | 114.4 |
| No | WDVM-TV | D23 | DT | CP | HAGERSTOWN, MD | BLANK0000034764 | 405.0 |
| No | WMJF-CD | D23 | DC | CP | TOWSON, MD | BLANK0000029914 | 338.7 |
| No | WPFO | D23 | DT | LIC | WATERVILLE, ME | BLCDT20090612ABJ | 422.4 |
| No | WPXG-TV | D23 | DT | CP | CONCORD, NH | BLANK0000027021 | 273.3 |
| No | WLED-TV | D23 | DT | CP | LITTLETON, NH | BLANK0000034358 | 345.5 |
| No | W48DP-D | D23 | LD | APP | ATLANTIC CITY, NJ | BLANK0000045666 | 266.0 |
| No | WNJS | D23 | DT | CP | CAMDEN, NJ | BLANK0000034585 | 232.5 |
| Yes | WDVB-CD | D23 | DC | LIC | EDISON, NJ | BLANK0000034577 | 107.9 |
| Yes | W35DK-D | D23z | LD | APP | SUSSEX, NJ | BLANK0000054508 | 78.3 |
| No | W25FA-D | D23 | LD | APP | West Orange, NJ | BLANK0000054811 | 107.5 |
| No | WPXJ-TV | D23 | DT | LIC | BATAVIA, NY | BLCDT20090612AHY | 355.3 |
| No | WBPX-LD | D23 | LD | CP | BINGHAMTON, NY | BMPDTL20130212ABG | 167.5 |
| No | WBXZ-LP | D23 | LD | APP | BUFFALO, NY | BLANK0000052532 | 421.4 |
| No | WETM-TV | D23 | DT | CP | ELMIRA, NY | BLANK0000029984 | 241.7 |
| Yes | WXNY-LD | D23 | LD | APP | NEW YORK, NY | BLANK0000053900 | 108.1 |
| No | WNPI-DT | D23 | DT | LIC | NORWOOD, NY | BLEDT20050715ABZ | 316.0 |
| Yes | WFTY-DT | D23 | DT | LIC | SMITHTOWN, NY | BLCDT20120427ABO | 126.8 |
| No | WHSU-CD | D23 | DC | CP | SYRACUSE, NY | BLANK0000034940 | 232.2 |
| Yes | WNGN-LD | D23 | LD | LIC | TROY, NY | BLANK0000035004 | 149.7 |
| No | WTOO-CD | D23 | DC | LIC | BOLIVAR, PA | BLANK0000001414 | 414.6 |
| No | W20CS-D | D23 | LD | APP | RUTLAND, VT | BLANK0000053964 | 220.8 |
| No | WLNE-TV | D24 | DT | CP | NEW BEDFORD, MA | BLANK0000034491 | 225.1 |
| No | WHTX-LD | D24 | LD | APP | SPRINGFIELD, MA | BLANK0000054052 | 114.3 |
| No | W25FA-D | N24 | TX | LIC | West Orange, NJ | BLTTL20121024AAA | 69.1 |
| Yes | WTEN | D24 | DT | CP | ALBANY, NY | BLANK0000034757 | 100.8 |
| No | WNYE-TV | D24 | DT | APP | NEW YORK, NY | BLANK0000035705 | 107.0 |
| No | WNYE-TV | D24 | DT | LIC | NEW YORK, NY | BLEDT20071228ABM | 107.0 |
| Yes | WRGB | D24 | LD | LIC | SCHENECTADY, NY | BLCDT20110523AEL | 26.9 |
| No | WSTM-TV | D24 | DT | LIC | SYRACUSE, NY | BLCDT20090622AEM | 221.3 |
| No | W24DB-D | D24z | DC | LIC | CLARKS SUMMIT, PA | BLANK0000004543 | 147.4 |
| No | WPHA-CD | D24 | DC | LIC | PHILADELPHIA, PA | BLDTA20130920ADK | 213.6 |
| No | WPHA-CD | D24 | DC | CP | PHILADELPHIA, PA | BLANK0000036105 | 213.6 |
| No | WVTA | D24 | DT | LIC | WINDSOR, VT | BLEDT20070307AAW | 229.1 |
| No | W26DB-D | N26- | TX | LIC | West Orange, NJ | BLTTL20070223AHI | 69.1 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23z
Mask: Full Service
Latitude: 41 43 7.50 N (NAD83)
Longitude: 73 59 45.40 W
Height AMSL: 450.0 m
HAAT: 343.0 m
Peak ERP: 11.0 kW
Antenna: DIE-TLP8-N 90.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.7 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 6.52 kW | 309.5 m | 53.1 km |
| 45.0 | 11.0 | 366.6 | 58.8 |
| 90.0 | 9.51 | 382.5 | 58.8 |
| 135.0 | 11.0 | 395.4 | 60.2 |
| 180.0 | 6.02 | 317.6 | 53.1 |
| 225.0 | 1.16 | 268.3 | 41.7 |
| 270.0 | 5.24 | 352.5 | 54.2 |
| 315.0 | 1.06 | 349.0 | 45.1 |

Distance to Canadian border: 312.3 km

Distance to Mexican border: 2730.7 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 297.4 degrees Distance: 299.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.7 degrees Distance: 2613.6 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

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

****IX check failure to BLANK0000001567 LIC scenario 1, 4.28% interference caused**

---- Below is IX received by proposal W42AE D23 11 kW G ----

**MX with scenario 1, 5.54% interference received
**MX with scenario 2, 5.54% interference received
**MX with scenario 3, 5.54% interference received
**MX with scenario 4, 5.54% interference received
**MX with scenario 5, 5.54% interference received
**MX with scenario 6, 5.54% interference received
**MX with scenario 7, 5.54% interference received
**MX with BLANK0000054508 APP scenario 8, 5.54% interference received
**MX with scenario 9, 5.54% interference received
**MX with scenario 10, 5.54% interference received
**MX with scenario 11, 5.54% interference received
**MX with scenario 12, 5.54% interference received
**MX with scenario 13, 5.54% interference received
**MX with scenario 14, 5.54% interference received
**MX with scenario 15, 5.54% interference received
**MX with BLANK0000054508 APP scenario 16, 5.54% interference received