

INTERFERENCE ANALYSIS FOR PROPOSED WYPX-TV AMSTERDAM, NY (CHANNEL 19)

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: wypx19m2, Model: Longley-Rice

Study build station data: LMS TV 2017-10-30 (76)

Proposal: WYPX19M2 D19 DT APP AMSTERDAM, NY
File number: wypx19m2
Facility ID: 13933
Station data: User record
Record ID: 1638
Country: U.S.
Zone: I

Search options:
Non-U.S. records included
Stations affected by proposal:

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|---------|------|-----|--------|---------------|-----------------|----------|
| WEKW-TV | D18 | DT | CP | KEENE, NH | BLANK0000027337 | 147.6 km |
| WEKW-TV | D18 | DT | APP | KEENE, NH | BLANK0000034357 | 147.6 |
| WEKW-TV | D18 | DT | BL | KEENE, NH | DTVBL69271 | 147.6 |
| WUNI | D19 | DT | CP | WORCESTER, MA | BLANK0000028427 | 214.1 |
| WUNI | D19 | DT | BL | WORCESTER, MA | DTVBL30577 | 214.1 |
| WSTM-TV | D19 | DT | CP | SYRACUSE, NY | BLANK0000027419 | 157.6 |
| WSTM-TV | D19 | DT | APP | SYRACUSE, NY | BLANK0000034045 | 157.6 |
| WSTM-TV | D19 | DT | BL | SYRACUSE, NY | DTVBL21252 | 157.6 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Latitude: 42 59 4.30 N (NAD83)
Longitude: 74 10 54.10 W
Height AMSL: 447.4 m
HAAT: 220.0 m
Peak ERP: 670 kW
Antenna: DIE-TFU-18DSC/VP-R S180 (ID 1001543) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.8

39.3 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 75.2 kW | 191.3 m | 70.6 km |
| 45.0 | 404 | 149.9 | 76.2 |
| 90.0 | 591 | 209.1 | 83.4 |
| 135.0 | 670 | 262.3 | 91.3 |
| 180.0 | 591 | 241.8 | 86.7 |
| 225.0 | 404 | 295.0 | 91.5 |
| 270.0 | 75.2 | 232.7 | 73.6 |
| 315.0 | 151 | 181.0 | 73.4 |

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 207.4 km

Distance to Mexican border: 2796.5 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 269.2 degrees Distance: 251.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 273.7 degrees Distance: 2585.8 km

No land mobile station failures found

Study cell size: 2.00 km
Profile point spacing: 0.50 km (Higher resolution terrain profile point spacing is requested.)

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

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Scenario comparisons

| Case | | Before | | After | | Percent | New IX |
|----------------------|---------|-----------|---------|-----------|-------|---------|-------------|
| IX_BLANK0000027337_C | 15951.1 | 618,335 | 15955.1 | 618,335 | -0.02 | 0.00 | |
| IX_BLANK0000027337_C | 15951.1 | 618,335 | 15955.1 | 618,335 | -0.02 | 0.00 | |
| IX_BLANK0000027337_C | 15939.0 | 617,821 | 15943.0 | 617,821 | -0.03 | 0.00 | |
| IX_BLANK0000027337_C | 15939.0 | 617,821 | 15943.0 | 617,821 | -0.03 | 0.00 | |
| IX_BLANK0000034357_A | 25299.9 | 1,505,696 | 25275.9 | 1,505,574 | 0.09 | 0.01 | |
| IX_BLANK0000034357_A | 25299.9 | 1,505,696 | 25275.9 | 1,505,574 | 0.09 | 0.01 | |
| IX_BLANK0000034357_A | 25272.0 | 1,497,884 | 25248.0 | 1,497,762 | 0.09 | 0.01 | |
| IX_BLANK0000034357_A | 25272.0 | 1,497,884 | 25248.0 | 1,497,762 | 0.09 | 0.01 | |
| IX_DTVBL69271_BL_#1 | 15962.9 | 616,967 | 15966.9 | 616,967 | -0.02 | 0.00 | |
| IX_DTVBL69271_BL_#2 | 15962.9 | 616,967 | 15966.9 | 616,967 | -0.02 | 0.00 | |
| IX_DTVBL69271_BL_#3 | 15954.9 | 616,742 | 15958.9 | 616,742 | -0.02 | 0.00 | |
| IX_DTVBL69271_BL_#4 | 15954.9 | 616,742 | 15958.9 | 616,742 | -0.02 | 0.00 | |
| IX_BLANK0000028427_C | 26899.6 | 7,470,661 | 26731.1 | 7,433,525 | 0.63 | 0.50 | |
| IX_BLANK0000028427_C | 27291.9 | 7,508,294 | 27123.3 | 7,471,158 | 0.62 | 0.49 | |
| IX_BLANK0000028427_C | 26799.7 | 7,468,922 | 26631.1 | 7,431,786 | 0.63 | 0.50 | |
| IX_BLANK0000028427_C | 26903.6 | 7,471,155 | 26735.1 | 7,434,019 | 0.63 | 0.50 | |
| IX_BLANK0000028427_C | 27191.9 | 7,506,555 | 27023.4 | 7,469,419 | 0.62 | 0.49 | |
| IX_BLANK0000028427_C | 27295.9 | 7,508,788 | 27127.3 | 7,471,652 | 0.62 | 0.49 | |
| IX_DTVBL30577_BL_#1 | 26931.7 | 7,461,446 | 26763.2 | 7,425,567 | 0.63 | 0.48 | |
| IX_DTVBL30577_BL_#2 | 27315.8 | 7,500,195 | 27147.3 | 7,464,316 | 0.62 | 0.48 | |
| IX_DTVBL30577_BL_#3 | 26831.7 | 7,459,652 | 26663.2 | 7,423,773 | 0.63 | 0.48 | |
| IX_DTVBL30577_BL_#4 | 26935.6 | 7,461,940 | 26767.2 | 7,426,061 | 0.63 | 0.48 | |
| IX_DTVBL30577_BL_#5 | 27215.8 | 7,498,401 | 27047.3 | 7,462,522 | 0.62 | 0.48 | |
| IX_DTVBL30577_BL_#6 | 27319.8 | 7,500,689 | 27151.3 | 7,464,810 | 0.62 | 0.48 | |
| IX_BLANK0000027419_C | 25890.8 | 1,385,271 | 25795.2 | 1,382,210 | 0.37 | 0.22 | |
| IX_BLANK0000027419_C | 44.1 | 0 | 44.1 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000027419_C | 25890.8 | 1,385,271 | 25795.2 | 1,382,210 | 0.37 | 0.22 | |
| IX_BLANK0000027419_C | 44.1 | 0 | 44.1 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000027419_C | 25886.8 | 1,385,271 | 25791.1 | 1,382,210 | 0.37 | 0.22 | |
| IX_BLANK0000027419_C | 44.1 | 0 | 44.1 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000027419_C | 25886.8 | 1,385,271 | 25791.1 | 1,382,210 | 0.37 | 0.22 | |
| IX_BLANK0000027419_C | 44.1 | 0 | 44.1 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000034045_A | 27369.1 | 1,424,788 | 27281.5 | 1,422,740 | 0.32 | 0.14 | |
| IX_BLANK0000034045_A | 116.5 | 0 | 116.5 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000034045_A | 27369.1 | 1,424,788 | 27281.5 | 1,422,740 | 0.32 | 0.14 | |
| IX_BLANK0000034045_A | 116.5 | 0 | 116.5 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000034045_A | 27365.1 | 1,424,788 | 27277.4 | 1,422,740 | 0.32 | 0.14 | |
| IX_BLANK0000034045_A | 116.5 | 0 | 116.5 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_BLANK0000034045_A | 27365.1 | 1,424,788 | 27277.4 | 1,422,740 | 0.32 | 0.14 | |
| IX_BLANK0000034045_A | 116.5 | 0 | 116.5 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_DTVBL21252_BL_#1 | 25922.3 | 1,389,491 | 25838.6 | 1,386,619 | 0.32 | 0.21 | |
| IX_DTVBL21252_BL_#1 | 60.2 | 0 | 60.2 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_DTVBL21252_BL_#2 | 25922.3 | 1,389,491 | 25838.6 | 1,386,619 | 0.32 | 0.21 | |
| IX_DTVBL21252_BL_#2 | 60.2 | 0 | 60.2 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_DTVBL21252_BL_#3 | 25918.3 | 1,389,491 | 25834.6 | 1,386,619 | 0.32 | 0.21 | |
| IX_DTVBL21252_BL_#3 | 60.2 | 0 | 60.2 | 0 | 0.00 | 0.00 | (in Canada) |
| IX_DTVBL21252_BL_#4 | 25918.3 | 1,389,491 | 25834.6 | 1,386,619 | 0.32 | 0.21 | |
| IX_DTVBL21252_BL_#4 | 60.2 | 0 | 60.2 | 0 | 0.00 | 0.00 | (in Canada) |