

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

|   |   |                         |
|---|---|-------------------------|
| In the Application of:                      | ) |                         |
|   | ) |                         |
| LOCAL MEDIA TV NEW YORK, LLC                | ) | LMS File No. 0000072006 |
|   | ) | AU Docket No. 19-61     |
| Displacement Application for WNMF-LD,       | ) | GU Docket No. 12-268    |
| Roseland, New Jersey; Facility ID No. 74513 | ) | MB Docket No. 16-306    |

**PETITION FOR RECONSIDERATION AND  
REQUEST TO RESCIND THE HIJACKING OF AUCTION 104, MX GROUP 51**

TVC NY License LLC (“TVC”), by its attorneys, hereby submits this Petition for Reconsideration (“Petition”) of the above-captioned grant of a construction permit<sup>1</sup> to Local Media TV New York, LLC (“Local Media”) for WNMF-LD, Roseland, New Jersey (“WNMF”) because that grant is in clear violation of Section 74.793(h) of the Commission’s rules, as it authorizes severe impermissible interference to the pending displacement application for WNYN-LD, New York, New York (“WNYN”) or one other low power television (“LPTV”) displacement application, all of which were on file many months before the WNMF displacement application. The result of the WNMF grant is to allow the owners of WNMF to hijack one of the FCC’s Auction 104 mutually exclusive groups: MX Group 51 (the “Group”). This Petition is supported by the attached statement of John E. Hidle, P.E., of Carl T. Jones Corporation (“Engineering Statement”).

TVC is aggrieved by the grant of the WNMF construction permit because it is the licensee of WNYN. TVC’s displacement application for WNYN is part of a group of four applications, among three applicants, currently before the Commission in Auction 104, MX

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<sup>1</sup> Per FCC records, the Permit appeared as granted in the June 19 paper version of the FCC Daily Digest, so this Petition is timely filed. *See* Public Notice, Broadcast Actions, Report No. 49511 (June 19, 2019).

Group 51. The applicant of two of the other three applications in MX Group 51, Venture Technologies Group, LLC (“VTG”), is commonly owned with Local Media, the owner of WNMF (as admitted by Local Media in the captioned WNMF application).<sup>2</sup> As demonstrated in the Engineering Statement, if TVC or the applicant<sup>3</sup> other than the owners of WNMF is the successful auction bidder in MX Group 51, viable television service under the auctioned permit would be foreclosed by the permitted WNMF operation and the fundamental purpose of the Commission’s system of auction would be circumvented.

TVC’s displacement application for WNYN was filed on March 5, 2018 (LMS File No. 0000048135) and later placed in the LPTV displacement filing window by the Commission, which commenced on April 10, 2018 and closed June 1, 2018.<sup>4</sup> The Local Media displacement application for WNMF was filed on April 18, 2019, more than a year after TVC filed its displacement application and the displacement filing window opened, and more than nine months after the filing window closed. Obviously, the Commission’s rules required Local Media to protect any mutually exclusive LPTV applications already on file, including the WNYN and WYXN displacement applications, which had been pending for many months before Local Media filed its application.

The Engineering Statement shows that Local Media/VTG failed to properly protect the WNYN application through the captioned WNMF application in light of the pending auction. As Local Media/VTG well knows from having two applications in MX Group 51, only one of

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<sup>2</sup> FCC records show that the same two persons own Local Media and VTG.

<sup>3</sup> New York Spectrum Holding Company, LCC (“New York Spectrum”) has a displacement application in MX Group 51 for WYXN-LD (“WYXN”). LMS File No. 0000054668.

<sup>4</sup> *Public Notice*, 33 FCC Rcd 3794 (IATF/MB 2018).

the mutually exclusive applications involved in the Group will win the upcoming auction. However, that reality is not reflected in the recently granted WNMF application, as further described in the Engineering Statement. Accordingly, the Engineering Statement has analyzed the interference that is projected to result from the recent WNMF grant when only one of the four mutually exclusive applications in MX Group 51, which will be the result of the upcoming auction, is included in the study.

The result of this analysis necessitates rescission of the underlying grant of the WNMF application. Per the Engineering Statement, the recently permitted WNMF operation would cause interference to 3.77% of the potential population to be served under the WNYN application. Similarly, and more significantly, the WNYN operation would cause interference to 3.39% of the population potentially served by WNMF. Although both levels of interference are far in excess of what the Commission's rules permit, *see* 47 C.F.R. §74.793(h), it is this 3.39% caused interference to WNMF-LD which renders the long-pending WNYN-LD application worthless in the auction, as, absent a waiver, it will not be able to be built consistent with FCC rules and its long-pending parameters even if TVC wins the auction.

The Engineering Statement likewise demonstrates that the WNMF would destroy the service proposed in the pending application for WYXN because the WNMF operation would cause interference to 7.7% of the potential population to be served by it and, stunningly, the proposed operation of WYXN would cause interference to more than 90% of the potential population to be served by WNMF. Again, it is this 90% caused interference to WNMF-LD which renders the WYXN-LD application worthless in the Auction. The Engineering Statement based these conclusions on valid application *tvstudy*, which is the industry standard software that Local Media/VTG purported to have used in the WNMF application.

The Commission simply cannot let the WNMF construction permit grant stand. If not rescinded, that grant hijacks MX Group 51, allowing only Local Media/VTG to use the Channel 30 and 31 spectrum to be auctioned. If TVC and/or New York Spectrum win the auction, Local Media/VTG would block both other applicants from being able to provide a viable television service because of the WNMF grant. The Commission's auction processes would be perverted and innocent bidders irrevocably harmed through abuse of the FCC's processes.<sup>5</sup>

Indeed, TVC requests that the Commission inquire of Local Media and VTG why they failed to disclose the obvious interference that the WNMF application, if granted, would cause to WNYN and WYXN. As the WNMF application states, Local Media/VTG "accepted" the interference that a grant would cause to their two applications in MX Group 51. But Local Media/VTG failed to even mention that the VTG applications "accepting" the WNMF interference were locked into mutually exclusive applications with WNYN and WYXN for the same spectrum in the auction proceeding. It is virtually impossible to believe that Local Media/VTG overlooked the WNYN and WYXN applications for which the Commission has been providing VTG settlement opportunities due to their mutually exclusive status. The failure to note the substantial interference in the recent WNMF application not only denied both TVC and New York Spectrum an appropriate opportunity to participate in the permit process, but also denied the FCC essential information during its initial review of the underlying WNMF application. Thus, the Commission should investigate that lack of candor in the WNMF

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<sup>5</sup> In addition to the many issues with the recently granted captioned application, Local Media appears to have taken a similar approach with a further modification application that was just filed for WNMF on July 15, 2019. *See* LMS File No. 0000078092 (the "July 2019 Application"). Although this July 2019 application is not the focus of this Petition, the approach taken in the July 2019 Application, as noted in the Engineering Statement, again underscores how Local Media/VTG is seeking to undermine the Commission's auction procedures.

application in failing to disclose the impermissible interference that the WNMF application would cause to WNYN and WYXN.

In order to permit TVC and New York Spectrum to have an opportunity to participate in the auction of spectrum under MX Group 51, and to defend the integrity of the FCC's processes for Auction 104, the Commission must rescind the WNMF construction permit grant immediately, in advance of the bidding in Auction 104, which is currently scheduled to commence on September 10, 2019. Failure to reconsider and rescind the WNMF grant would be contrary to the public interest, as stated expressly in 47 C.F.R. §1.106(c).

Respectfully submitted,

TVC NY License LLC



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July 18, 2019

*Its Attorneys*



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF A PETITION FOR RECONSIDERATION  
OF THE GRANT OF CONSTRUCTION PERMIT  
FILE # 0000072006 FOR  
WNMF-LD - ROSELAND, NEW JERSEY  
LPDTV - CH. 30 - 0.020 kW - 232 m AMSL**

Prepared for: TVC NY LICENSE LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, No. 7418, and in New York State, No. 63418.

**GENERAL**

This office has been authorized by TVC NY LICENSE LLC, licensee of WNYN-LD, channel 39, facility ID number 74305, licensed to New York City, New York, file number 0000010660, and an applicant for a displacement facility on channel 30, file number 0000048135, to prepare this statement in support of a Petition for Reconsideration of the grant of the construction permit, file number 0000072006, for WNMF-LD, for reasons as set forth herein.

TVC NY LICENSE LLC, as noted above, has a pending displacement application which was deemed mutually exclusive with three other applications. Ultimately the four applications were placed in MX Group 51 to be auctioned. FCC Public Notice DA 19-477, issued on June 6, 2019, "AUCTION OF CONSTRUCTION PERMITS FOR LOW POWER TELEVISION AND TV TRANSLATOR STATIONS SCHEDULED FOR SEPTEMBER 10, 2019", Auction 104, in Attachment A sets forth five mutually exclusive groups for auction.

This narrative will explore and compare the potential standings in auction 104. The four pending applications in MX group 51 which are slated to be participants in the upcoming auction 104 are: TVC NY LICENSE LLC which has a pending application for WNYN-LD, file no.0000048135 for a facility on channel 30; NEW YORK SPECTRUM HOLDINGS COMPANY, LLC which has a pending application for WYXN-LD, file no. 0000054668 also for channel 30; VENTURE TECHNOLOGIES GROUP, LLC which has two pending applications, one for W34DI-D, file no. 0000054804 on channel 31 and another for WNJJ-LD, file no. 0000054813 on channel 30.

All four of these applications were declared mutually exclusive, placed in MX Group 51 and provided a “settlement period” during which to resolve exclusivity. No resolution was forthcoming and the four applications were placed in auction 104.

While awaiting the start of the auction it is noted that an application was submitted by LOCAL MEDIA TV NEW YORK, LLC on April 18, 2019 seeking a displacement facility for WNMF-LD, channel 17, Morristown, NJ to channel 30, Roseland, NJ. This application was granted, and a construction permit issued, on June 14, 2019. The applicant states that the proposed facility is predicted to cause interference to three commonly owned applications, two of which are included in MX Group 51, W34DI-D and WNJJ-LD. The third is a pending displacement application for W31EF-D, file no. 0000054807, from channel 31, NYC, NY to channel 29. The applicant stated, “Such interference is hereby accepted in view of the common ownership between Venture Technologies Group, LLC and Local Media TV New York, LLC.”

A serious question arises from this situation. What about interference to the other two applications in MX Group 51? Is it really ethical for an applicant to “accept” interference to two of its applications that are in a MX group headed for auction? And even more questionable is potential interference to the other applications in the auction MX group.

To explore what effect, detrimental or otherwise, the grant of this construction permit might have on the upcoming auction we assumed in turn that each of the four applications had won the auction. Predicted interference results using *tvstudy* were examined assuming the other three applications were dismissed post-auction. Assuming that the WNYN-LD application were to win the auction it was revealed by use of *tvstudy*, in a run that excluded the other three MX applications, that WNYN-LD would instantly receive interference to 3.77% of its potential population from WNMF-LD’s construction permit on channel 30. Even more disturbing WNYN-LD upon winning the auction would instantly cause interference to 3.39% of WNMF-LD’s potential population, which exceeds the permitted interference percentage and would render the auction winning WNYN-LD application unacceptable. It has been determined that the WNYN-LD application could not be amended in any reasonable manner that would result in a viable facility. Therefore the WNYN-LD application in the auction has become worthless as a result of the WNMF-LD construction permit.

Likewise for WYXN-LD’s application, assuming it had won the auction, it was revealed by the results of a *tvstudy* run, that excluded the other three MX applications, WYXN-LD would instantly receive interference to 7.7% of its potential population from



WNMF-LD's construction permit on channel 30. Then even more detrimental to the WYXN-LD application it would instantly cause interference to 90.09% of WNMF-LD's population. There is no technical solution readily available, or even possible, to such an extreme interference situation, and therefore the WYXN-LD application is also rendered worthless in the auction.

Assuming that WNJJ-LD would win the auction, it was discovered that instantly WNJJ-LD would receive interference to 9.56% of its population, and conversely instantly cause interference to 92.62% of WNMF-LD's authorized population. There is no possible method by which such a level of interference could be alleviated. Effectively the WNJJ-LD application in the auction is rendered worthless by the grant of the WNMF-LD construction permit, except the applicant for WNJJ-LD is commonly owned by the permittee of WNMF-LD's construction permit, for an ERP of 20 WATTS.

Since the applicant for the WNMF-LD construction permit did not mention in its application any interference that WNMF-LD might receive, how could the applicant miss predicted received interference levels in excess of 90%, from two other applicants in MX Group 51? And miss the disqualifying interference that would be caused to WNMF-LD's construction permit individually by the other MX Group 51 applicants?

We have used *tvstudy*, in a legitimate manner, to answer these serious questions. We ran *tvstudy* and allowed only one of the four MX Group 51 application per study run. As a result the original application for displacement of WNMF-LD to channel 30 is in error regarding caused interference to other applicants and facilities. The other three MX Group

51 applications act to “mask” serious levels of interference which would otherwise be caused by WNMF-LD’s displacement application for construction permit on channel 30. We have included as attachments several relevant *tvstudy* runs that reveal these excessive levels of caused, and received, interference.

TVC NY LICENSE LLC therefore contends that Auction 104 has been detrimentally affected, effectively rendered worthless, by the grant of the WNMF-LD construction permit, file no. 0000072006, for Roseland, NJ, which appears to have been granted primarily because of unrevealed predicted caused and received interference to and from pending applications in Auction 104 MX Group 51. These pending applications are rendered worthless specifically because of the individual predicted interference which would be caused to WNMF-LD’s authorized facility. None of the applications in MX Group 51 would be able, upon winning the auction, to overcome the predicted interference to WNMF-LD. In other words, worthless. For sake of the auction’s integrity the petitioner contends that the WNMF-LD construction permit grant must be rescinded, and the application held in abeyance until after the resolution of Auction 104.

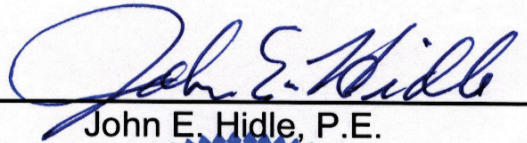
The permittee of WNMF-LD has now filed an application, file no. 0000078092, to modify the 20 Watt construction permit, file no. 0000072006, to increase its ERP to 15,000 Watts. It is interesting to note that the application for modification of WNMF-LD’s construction permit is an exact technical match of the permittee’s commonly owned WNJJ-LD’s pending application, file no. 0000054813, in MX Group 51. In other words, if the WNMF-LD application for modification of its 20 Watt construction permit were to be


granted the permittee would have obtained the exact facility for WNMF-LD that the WNJJ-LD application seeks in the auction, without even bothering to participate in the auction at all, leaving the other two MX Group 51 applicants holding an empty bag. Any questions for the WNMF-LD permittee?

### **SUMMARY**

The results of this investigation show, according to the included Exhibits, that the original displacement application for WNMF-LD to channel 30 should never have been granted. The application was obviously tailored to squeeze in by using interference masking in the process. The applicant (now permittee) erroneously benefitted from interference masking by leaving all four MX Group 51 applications in the interference study, thus resulting in a seriously flawed study. Studies done using *tvstudy* correctly show unequivocally that the construction permit should never have been granted at all, and should immediately be rescinded. By such an action the FCC can restore the worth of Auction 104, MX Group 51, and permit the four applicants a fair and honest chance to compete for the facility they seek.

DATED: July 18, 2019

  
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John E. Hidle, P.E.



# TABLE OF EXHIBITS

**Exhibit 1** - This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes all FOUR of the MX Group 51 applications, which effectively serve as a group to mask serious interference which is predicted to be caused to and received from those applications considered individually. Only one application can win at auction.

**Exhibit 2** - This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes only one application from the MX Group 51 applications, since only one application can win at auction, and assumes WNYN-LD, file # 0000048135, wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNMF-LD to WNYN-LD.

**Exhibit 3** - This is the study of WNYN-LD's displacement application, file # 0000048135, the only application from the MX Group 51, since only one application can win at auction, and assumes WNYN-LD wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNYN-LD to WNMF-LD's construction permit, file # 0000072006, and to WNMF-LD's application for modification of that construction permit, file # 0000078092. The predicted interference to 3.39% of WNMF-LD's construction permit is fatal to WNYN-LD's auction application. It can not be amended in any manner to remove that predicted interference. Therefore, WNYN-LD's auction application becomes worthless as a result of the WNMF-LD construction permit. Notably, WNYN-LD's auction application is predicted to cause interference to 29.19% of the population which would be served by WNMF-LD's pending application for modification of its construction permit, and receive interference from WNMF-LD to 59.59% of WNYN-LD's potential population.

**Exhibit 4** - This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes only one application from the MX Group 51 applications, since only one application can win at auction, and assumes WYXN-LD, file # 0000054668, wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNMF-LD to WYXN-LD. As shown herein the predicted interference from WNMF-LD to WYXN-LD's auction application is less than 2.0% that is not the issue. This study predicts that the WYXN-LD application will cause interference to 75.12% of WNMF-LD's construction permit population. This is fatal to WYXN-LD's auction application, and therefore renders it worthless.

**Exhibit 5** - This is the study of WYXN-LD's displacement application, file # 0000054668, the only application included from the MX Group 51, since only one application can win at auction, and assumes WYXN-LD wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WYXN-LD to WNMF-LD's construction permit, file # 0000072006, and to WNMF-LD's application for modification of that construction permit, file # 0000078092. The predicted interference to 90.09% of WNMF-LD's construction permit is fatal to WNYN-LD's auction application. It can not be amended in any manner to remove that predicted interference. Therefore, WYXN-LD's auction application becomes worthless as a direct result of the WNMF-LD construction permit.

(Comments and highlights in RED are meant for clarification and in no way affect the substance of the studies in the Exhibits)

## EXHIBIT 1

This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes all FOUR of the MX Group 51 applications, which effectively serve as a group to mask serious interference which is predicted to be caused to and received from those applications considered individually. Only one application can win at auction.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WNMF-LD CP 30 BLNK72006 exc WPXN, Model: Longley-Rice

Start: 2019.07.10 10:18:40

Study created: 2019.07.10 10:18:40

Study build station data: LMS TV 2019-07-10

Proposal: WNMF-LD D30 LD CP ROSELAND, NJ  
File number: BLANK0000072006  
Facility ID: 74513  
Station data: LMS TV 2019-07-10  
Record ID: 25076f916a1778a5016a2292db8208b7  
Country: U.S.

Build options:  
Protect baseline records from LPTV

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Individual records excluded:  
0000037694 WPXN-TV D31 DT LIC NEW YORK, NY BLANK0000037694

Stations potentially affected by proposal:

| IX  | Call    | Chan | Svc | Status | City, State             | File Number        | Distance |
|-----|---------|------|-----|--------|-------------------------|--------------------|----------|
| No  | WNYJ-LD | N26- | TX  | LIC    | New York, NY            | BLTTL20070223AHI   | 73.1 km  |
| No  | WTXX-LD | D29  | LD  | CP     | SPRINGFIELD, MA         | BLANK0000053148    | 165.5    |
| No  | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ       | BLANK0000051787    | 122.3    |
| No  | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ        | BLANK0000066998    | 52.5     |
| No  | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ        | BLANK0000074735    | 52.5     |
| No  | W31EF-D | D29+ | LD  | APP    | West Orange, NJ         | BLANK0000054807    | 24.6     |
| No  | WPXU-LD | D29  | LD  | APP    | New york city, NY       | BLANK0000051706    | 24.3     |
| No  | WLNK-TV | D29  | DT  | CP     | RIVERHEAD, NY           | BLANK0000034023    | 113.3    |
| No  | WRGB    | D29  | LD  | CP     | SCHENECTADY, NY         | BLANK0000054897    | 131.6    |
| No  | WKTV    | D29  | DT  | LIC    | UTICA, NY               | BLCDT20060630ACL   | 263.4    |
| No  | W29EU-D | D29  | LD  | LIC    | CLARKS SUMMIT, ETC., PA | BLANK0000060867    | 141.6    |
| No  | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA        | BLANK0000051711    | 117.7    |
| No  | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA        | BLCDT20090223ABU   | 244.7    |
| No  | WQMY    | D29  | DT  | APP    | WILLIAMSPORT, PA        | BLANK0000035754    | 244.7    |
| Yes | WEDH    | D30  | DT  | CP     | HARTFORD, CT            | BLANK0000034543    | 156.5    |
| No  | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC          | BLANK0000029340    | 316.7    |
| No  | WCRN-LD | D30+ | LD  | CP     | BOSTON, MA              | BLANK0000071754    | 290.9    |
| No  | W30DT-D | D30  | LD  | CP     | SALISBURY, MD           | BDCCDTL20120628AAS | 291.3    |
| Yes | WNJJ-LD | D30  | LD  | APP    | PATERSON, NJ            | BLANK0000054813    | 0.0      |
| No  | WYDC    | D30  | DT  | CP     | CORNING, NY             | BLANK0000034651    | 279.1    |
| No  | W30AZ-D | D30  | LD  | LIC    | ELLENVILLE, NY          | BLDTL20141229AGO   | 103.5    |
| Yes | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY            | BLANK0000054668    | 1.7      |
| Yes | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY            | BLANK0000048135    | 24.8     |
| No  | W30BW   | N30+ | TX  | LIC    | OLEAN, NY               | BLTT20020307ABR    | 374.4    |
| No  | WAWW-LP | D30- | LD  | APP    | ROCHESTER, NY           | BLANK0000054618    | 379.1    |
| No  | WUTR    | D30  | DT  | LIC    | UTICA, NY               | BLCDT20040217ADC   | 272.8    |
| No  | WPCW    | D30  | LD  | CP     | JEANNETTE, PA           | BLANK0000053374    | 417.5    |
| No  | WPCW    | D30  | LD  | LIC    | JEANNETTE, PA           | BLANK0000064153    | 417.5    |

|     |         |      |    |     |                      |                  |       |
|-----|---------|------|----|-----|----------------------|------------------|-------|
| No  | W43CO-D | D30  | LD | CP  | KINGSTON, PA         | BLANK0000054197  | 148.9 |
| Yes | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA     | BLANK0000033618  | 117.7 |
| No  | WELL-LD | D30  | LD | LIC | PHILADELPHIA, PA     | BLDTL20100208AAC | 117.7 |
| No  | WDCO-CD | D30  | DC | BL  | WOODSTOCK, VA        | DTVBL57905       | 362.9 |
| No  | W3ODM-D | D30  | LD | LIC | MANCHESTER, ETC., VT | BLDTT20111118ARB | 280.5 |
| No  | WVIT    | D31  | DT | CP  | NEW BRITAIN, CT      | BLANK0000074279  | 156.3 |
| No  | W31EF-D | D31+ | LD | LIC | West Orange, NJ      | BLANK0000049440  | 0.0   |
| No  | WSKG-TV | D31  | DT | CP  | BINGHAMTON, NY       | BLANK0000028130  | 199.7 |
| No  | W31BP   | D31+ | LD | CP  | BURLINGTON, ETC., NY | BLANK0000054409  | 226.5 |
| No  | W34DI-D | D31+ | LD | APP | NEW YORK, NY         | BLANK0000054804  | 24.6  |
| No  | WTFX-TV | D31  | DT | CP  | PHILADELPHIA, PA     | BLANK0000034830  | 117.6 |
| No  | W32EI-D | N32- | TX | LIC | West Orange, NJ      | BLTTL20121024AAB | 73.1  |
| No  | W34DI-D | N34+ | TX | LIC | NEW YORK, NY         | BLTTL20070223AHK | 73.1  |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 40 47 18.00 N (NAD83)  
Longitude: 74 15 18.00 W  
Height AMSL: 232.0 m  
HAAT: 0.0 m  
Peak ERP: 0.020 kW  
Antenna: JAM-JUHD-4/2(8) (ID 33869) 0.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

| Azimuth | ERP      | HAAT    | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.018 kW | 122.7 m | 12.8 km  |
| 45.0    | 0.018    | 176.4   | 15.1     |
| 90.0    | 0.015    | 210.8   | 15.8     |
| 135.0   | 0.000    | 207.4   | 7.2      |
| 180.0   | 0.000    | 192.9   | 5.0      |
| 225.0   | 0.000    | 104.4   | 3.8      |
| 270.0   | 0.000    | 152.8   | 4.5      |
| 315.0   | 0.009    | 161.0   | 12.5     |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 166 m

Distance to Canadian border: 378.9 km

Distance to Mexican border: 2657.6 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 231.3 degrees Distance: 283.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.7 degrees Distance: 2606.0 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%

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Interference to BLANK0000034543 CP scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State  | File Number     | Distance |
|-------------|---------|------|-----|--------|--------------|-----------------|----------|
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT | BLANK0000034543 |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ | BLANK0000072006 | 156.5 km |



|         |     |    |     |                  |                  |       |
|---------|-----|----|-----|------------------|------------------|-------|
| WNEU    | D29 | DT | CP  | MERRIMACK, NH    | BLANK0000034700  | 148.0 |
| WLNY-TV | D29 | DT | CP  | RIVERHEAD, NY    | BLANK0000034023  | 89.9  |
| WUTR    | D30 | DT | LIC | UTICA, NY        | BLCDT20040217ADC | 250.3 |
| KYW-TV  | D30 | DT | CP  | PHILADELPHIA, PA | BLANK0000033618  | 274.1 |
| WVIT    | D31 | DT | CP  | NEW BRITAIN, CT  | BLANK0000074279  | 0.3   |
| WNCE-CD | D31 | DC | LIC | GLENS FALLS, NY  | BLDTA20100812ABN | 191.4 |

| Service area      | Terrain-limited   | IX-free, before   | IX-free, after    | Percent New IX |
|-------------------|-------------------|-------------------|-------------------|----------------|
| 32651.3 5,339,771 | 28861.9 4,758,563 | 28085.5 4,559,738 | 28085.5 4,559,738 | 0.00 0.00      |

| Undesired          | Total IX     | Unique IX, before | Unique IX, after |
|--------------------|--------------|-------------------|------------------|
| WNMF-LD D30 LD CP  | 3.0 237      | 0.0 0             | 0.0 0            |
| WNEU D29 DT CP     | 85.8 27,582  | 84.8 27,510       | 84.8 27,510      |
| WLNY-TV D29 DT CP  | 253.6 80,311 | 137.5 34,914      | 137.5 34,914     |
| WUTR D30 DT LIC    | 17.2 279     | 15.2 133          | 15.2 133         |
| KYW-TV D30 DT CP   | 367.1 89,306 | 250.9 41,873      | 247.9 41,636     |
| WVIT D31 DT CP     | 182.9 52,408 | 158.9 46,083      | 158.9 46,083     |
| WNCE-CD D31 DC LIC | 2.0 14       | 2.0 14            | 2.0 14           |

Interference to BLANK0000054813 APP scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WNJJ-LD | D30  | LD  | APP    | PATERSON, NJ     | BLANK0000054813 |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 0.0 km   |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5     |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.6     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 1.7      |
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8     |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |
|             | W34DI-D | D31+ | LD  | APP    | NEW YORK, NY     | BLANK0000054804 | 24.6     |

| Service area      | Terrain-limited   | IX-free, before  | IX-free, after   | Percent New IX |
|-------------------|-------------------|------------------|------------------|----------------|
| 4207.3 12,291,253 | 3873.5 12,076,714 | 1013.0 1,802,504 | 1013.0 1,802,504 | 0.00 0.00      |

| Undesired           | Total IX          | Unique IX, before | Unique IX, after |
|---------------------|-------------------|-------------------|------------------|
| WNMF-LD D30 LD CP   | 21.0 45,536       | 0.0 0             | 0.0 0            |
| W31EF-D D29+ LD APP | 6.0 4,833         | 0.0 0             | 0.0 0            |
| WEDH D30 DT CP      | 12.9 23,997       | 0.0 0             | 0.0 0            |
| WYXN-LD D30 LD APP  | 2772.8 10,045,020 | 1804.8 5,723,308  | 1799.8 5,703,686 |
| WNYN-LD D30 LD APP  | 878.3 4,330,563   | 27.9 135,264      | 27.9 135,264     |
| KYW-TV D30 DT CP    | 447.3 1,133,366   | 35.0 58,582       | 33.9 58,582      |
| W34DI-D D31+ LD APP | 69.7 453,342      | 0.0 0             | 0.0 0            |

These three applications shown in RED are the other three applications in MX Group 51 - They are here to provide masking for WNMF-LD's application

Interference to BLANK0000054813 APP scenario 2

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WNJJ-LD | D30  | LD  | APP    | PATERSON, NJ     | BLANK0000054813 |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 0.0 km   |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 1.7      |
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8     |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |
|             | W34DI-D | D31+ | LD  | APP    | NEW YORK, NY     | BLANK0000054804 | 24.6     |

| Service area      | Terrain-limited   | IX-free, before  | IX-free, after   | Percent New IX |
|-------------------|-------------------|------------------|------------------|----------------|
| 4207.3 12,291,253 | 3873.5 12,076,714 | 1013.0 1,802,504 | 1013.0 1,802,504 | 0.00 0.00      |

| Undesired          | Total IX          | Unique IX, before | Unique IX, after |
|--------------------|-------------------|-------------------|------------------|
| WNMF-LD D30 LD CP  | 21.0 45,536       | 0.0 0             | 0.0 0            |
| WEDH D30 DT CP     | 12.9 23,997       | 0.0 0             | 0.0 0            |
| WYXN-LD D30 LD APP | 2772.8 10,045,020 | 1804.8 5,723,308  | 1799.8 5,703,686 |

|                     |       |           |      |         |      |         |
|---------------------|-------|-----------|------|---------|------|---------|
| WNYN-LD D30 LD APP  | 878.3 | 4,330,563 | 27.9 | 135,264 | 27.9 | 135,264 |
| KYW-TV D30 DT CP    | 447.3 | 1,133,366 | 35.0 | 58,582  | 33.9 | 58,582  |
| W34DI-D D31+ LD APP | 69.7  | 453,342   | 0.0  | 0       | 0.0  | 0       |

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Interference to BLANK0000054668 APP scenario 1

| Desired:            | Call              | Chan              | Svc               | Status           | City, State      | File Number      | Distance       |
|---------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|----------------|
|                     | WYXN-LD           | D30               | LD                | APP              | NEW YORK, NY     | BLANK0000054668  |                |
| Undesireds:         | WNMF-LD           | D30               | LD                | CP               | ROSELAND, NJ     | BLANK0000072006  | 1.7 km         |
|                     | W49BE-D           | D29z              | LD                | CP               | HACKETTSTOWN, NJ | BLANK0000066998  | 53.0           |
|                     | W31EF-D           | D29+              | LD                | APP              | West Orange, NJ  | BLANK0000054807  | 24.1           |
|                     | WEDH              | D30               | DT                | CP               | HARTFORD, CT     | BLANK0000034543  | 154.9          |
|                     | WNJJ-LD           | D30               | LD                | APP              | PATERSON, NJ     | BLANK0000054813  | 1.7            |
|                     | WNYN-LD           | D30               | LD                | APP              | NEW YORK, NY     | BLANK0000048135  | 24.3           |
|                     | KYW-TV            | D30               | DT                | CP               | PHILADELPHIA, PA | BLANK0000033618  | 119.3          |
|                     | W34DI-D           | D31+              | LD                | APP              | NEW YORK, NY     | BLANK0000054804  | 24.1           |
| -----               |                   |                   |                   |                  |                  |                  |                |
|                     | Service area      | Terrain-limited   |                   | IX-free, before  |                  | IX-free, after   | Percent New IX |
|                     | 4418.0 11,952,448 | 4030.7 11,797,665 |                   | 996.2 1,465,541  |                  | 996.2 1,465,541  | 0.00 0.00      |
| Undesired           | Total IX          |                   | Unique IX, before |                  | Unique IX, after |                  |                |
| WNMF-LD D30 LD CP   | 124.9             | 255,545           |                   | 0.0 0            |                  |                  |                |
| W31EF-D D29+ LD APP | 9.0               | 3,942             |                   | 0.0 0            |                  |                  |                |
| WEDH D30 DT CP      | 15.0              | 18,274            |                   | 0.0 0            |                  |                  |                |
| WNJJ-LD D30 LD APP  | 2964.7            | 10,135,653        |                   | 1984.0 6,363,689 |                  | 1937.0 6,236,438 |                |
| WNYN-LD D30 LD APP  | 878.1             | 3,793,626         |                   | 24.9 127,512     |                  | 24.9 127,512     |                |
| KYW-TV D30 DT CP    | 402.3             | 741,804           |                   | 23.0 8,804       |                  | 22.0 8,772       |                |
| W34DI-D D31+ LD APP | 62.7              | 343,519           |                   | 0.0 0            |                  | 0.0 0            |                |

These three applications shown in RED are the other three applications in MX Group 51 - They are here to provide masking for WNMF-LD's application

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Interference to BLANK0000054668 APP scenario 2

| Desired:            | Call              | Chan              | Svc               | Status           | City, State      | File Number      | Distance       |
|---------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|----------------|
|                     | WYXN-LD           | D30               | LD                | APP              | NEW YORK, NY     | BLANK0000054668  |                |
| Undesireds:         | WNMF-LD           | D30               | LD                | CP               | ROSELAND, NJ     | BLANK0000072006  | 1.7 km         |
|                     | W49BE-D           | D29z              | LD                | CP               | HACKETTSTOWN, NJ | BLANK0000066998  | 53.0           |
|                     | WEDH              | D30               | DT                | CP               | HARTFORD, CT     | BLANK0000034543  | 154.9          |
|                     | WNJJ-LD           | D30               | LD                | APP              | PATERSON, NJ     | BLANK0000054813  | 1.7            |
|                     | WNYN-LD           | D30               | LD                | APP              | NEW YORK, NY     | BLANK0000048135  | 24.3           |
|                     | KYW-TV            | D30               | DT                | CP               | PHILADELPHIA, PA | BLANK0000033618  | 119.3          |
|                     | W34DI-D           | D31+              | LD                | APP              | NEW YORK, NY     | BLANK0000054804  | 24.1           |
| -----               |                   |                   |                   |                  |                  |                  |                |
|                     | Service area      | Terrain-limited   |                   | IX-free, before  |                  | IX-free, after   | Percent New IX |
|                     | 4418.0 11,952,448 | 4030.7 11,797,665 |                   | 996.2 1,465,541  |                  | 996.2 1,465,541  | 0.00 0.00      |
| Undesired           | Total IX          |                   | Unique IX, before |                  | Unique IX, after |                  |                |
| WNMF-LD D30 LD CP   | 124.9             | 255,545           |                   | 0.0 0            |                  |                  |                |
| WEDH D30 DT CP      | 15.0              | 18,274            |                   | 0.0 0            |                  |                  |                |
| WNJJ-LD D30 LD APP  | 2964.7            | 10,135,653        |                   | 1985.0 6,365,144 |                  | 1937.0 6,236,438 |                |
| WNYN-LD D30 LD APP  | 878.1             | 3,793,626         |                   | 24.9 127,512     |                  | 24.9 127,512     |                |
| KYW-TV D30 DT CP    | 402.3             | 741,804           |                   | 23.0 8,804       |                  | 22.0 8,772       |                |
| W34DI-D D31+ LD APP | 62.7              | 343,519           |                   | 0.0 0            |                  | 0.0 0            |                |

These three applications shown in RED are the other three applications in MX Group 51 - They are here to provide masking for WNMF-LD's application

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Interference to BLANK0000048135 APP scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 24.8 km  |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 77.3     |



|         |      |    |     |                  |                 |       |
|---------|------|----|-----|------------------|-----------------|-------|
| W31EF-D | D29+ | LD | APP | West Orange, NJ  | BLANK0000054807 | 1.7   |
| WEDH    | D30  | DT | CP  | HARTFORD, CT     | BLANK0000034543 | 140.5 |
| WNJJ-LD | D30  | LD | APP | PATERSON, NJ     | BLANK0000054813 | 24.8  |
| WYXN-LD | D30  | LD | APP | NEW YORK, NY     | BLANK0000054668 | 24.3  |
| KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA | BLANK0000033618 | 135.1 |
| W34DI-D | D31+ | LD | APP | NEW YORK, NY     | BLANK0000054804 | 1.7   |

| Service area     | Terrain-limited  | IX-free, before | IX-free, after | Percent New IX |
|------------------|------------------|-----------------|----------------|----------------|
| 1134.9 8,341,122 | 1131.9 8,340,695 | 92.3 1,099,007  | 92.3 1,099,007 | 0.00 0.00      |

| Undesired           | Total IX        | Unique IX, before | Unique IX, after |
|---------------------|-----------------|-------------------|------------------|
| WNMF-LD D30 LD CP   | 59.6 261,641    | 0.0 0             | 0.0 0            |
| W31EF-D D29+ LD APP | 84.4 557,879    | 0.0 0             | 0.0 0            |
| WEDH D30 DT CP      | 2.0 950         | 0.0 0             | 0.0 0            |
| WNJJ-LD D30 LD APP  | 987.9 6,816,057 | 21.9 134,338      | 21.9 134,338     |
| WYXN-LD D30 LD APP  | 994.9 7,007,451 | 28.8 280,032      | 28.8 280,032     |
| KYW-TV D30 DT CP    | 158.9 973,155   | 1.0 1,127         | 1.0 1,127        |
| W34DI-D D31+ LD APP | 161.0 1,197,600 | 7.0 37,959        | 7.0 37,959       |

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Interference to BLANK0000048135 APP scenario 2

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 24.8 km  |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 77.3     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 140.5    |
|             | WNJJ-LD | D30  | LD  | APP    | PATERSON, NJ     | BLANK0000054813 | 24.8     |
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 24.3     |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 135.1    |
|             | W34DI-D | D31+ | LD  | APP    | NEW YORK, NY     | BLANK0000054804 | 1.7      |

| Service area     | Terrain-limited  | IX-free, before | IX-free, after | Percent New IX |
|------------------|------------------|-----------------|----------------|----------------|
| 1134.9 8,341,122 | 1131.9 8,340,695 | 92.3 1,099,007  | 92.3 1,099,007 | 0.00 0.00      |

| Undesired           | Total IX        | Unique IX, before | Unique IX, after |
|---------------------|-----------------|-------------------|------------------|
| WNMF-LD D30 LD CP   | 59.6 261,641    | 0.0 0             | 0.0 0            |
| WEDH D30 DT CP      | 2.0 950         | 0.0 0             | 0.0 0            |
| WNJJ-LD D30 LD APP  | 987.9 6,816,057 | 21.9 134,338      | 21.9 134,338     |
| WYXN-LD D30 LD APP  | 994.9 7,007,451 | 28.8 280,032      | 28.8 280,032     |
| KYW-TV D30 DT CP    | 158.9 973,155   | 1.0 1,127         | 1.0 1,127        |
| W34DI-D D31+ LD APP | 161.0 1,197,600 | 10.9 39,218       | 10.9 39,218      |

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Interference to BLANK0000033618 CP scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number      | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618  |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006  | 117.7 km |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA | BLCDT20090223ABU | 204.1    |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543  | 274.1    |
|             | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC   | BLANK0000029340  | 199.7    |
|             | WMPT    | D31  | DT  | BL     | ANNAPOLIS, MD    | DTVBL65942       | 164.0    |
|             | WTFX-TV | D31  | DT  | CP     | PHILADELPHIA, PA | BLANK0000034830  | 0.4      |

| Service area       | Terrain-limited    | IX-free, before    | IX-free, after     | Percent New IX |
|--------------------|--------------------|--------------------|--------------------|----------------|
| 34688.6 11,224,140 | 33456.4 11,029,286 | 33294.2 10,989,711 | 33277.2 10,972,617 | 0.05 0.16      |

| Undesired         | Total IX     | Unique IX, before | Unique IX, after |
|-------------------|--------------|-------------------|------------------|
| WNMF-LD D30 LD CP | 27.9 29,362  | 16.9 17,094       | 16.9 17,094      |
| WEDH D30 DT CP    | 18.9 14,501  | 14.0 13,563       | 7.0 2,455        |
| WIAV-CD D30 DC CP | 119.4 20,766 | 73.9 11,077       | 72.9 10,826      |
| WMPT D31 DT BL    | 52.4 11,440  | 11.9 2,689        | 11.9 2,689       |
| WTFX-TV D31 DT CP | 16.9 2,557   | 16.9 2,557        | 16.9 2,557       |

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Interference to proposal scenario 1

**\*\*MX: 93.85% interference received**

|             | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
| Desired:    | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 |          |
| Undesireds: | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5 km  |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.6     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | WNJJ-LD | D30  | LD  | APP    | PATERSON, NJ     | BLANK0000054813 | 0.0      |
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 1.7      |
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8     |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |

| Service area  | Terrain-limited | IX-free     | Percent IX  |
|---------------|-----------------|-------------|-------------|
| 362.3 832,821 | 328.6 812,956   | 30.8 50,018 | 90.64 93.85 |

| Undesired          | Total IX      | Unique IX   | Prcnt Unique IX |
|--------------------|---------------|-------------|-----------------|
| WEDH D30 DT CP     | 2.0 1,636     | 0.0 0       | 0.00 0.00       |
| WNJJ-LD D30 LD APP | 297.8 762,938 | 10.9 17,141 | 3.32 2.11       |
| WYXN-LD D30 LD APP | 284.9 743,972 | 0.0 0       | 0.00 0.00       |
| WNYN-LD D30 LD APP | 13.9 39,358   | 0.0 0       | 0.00 0.00       |
| KYW-TV D30 DT CP   | 58.6 133,960  | 0.0 0       | 0.00 0.00       |

## EXHIBIT 2

This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes only one application from the MX Group 51 applications, since only one application can win at auction, and assumes WNYN-LD, file # 0000048135, wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNMF-LD to WNYN-LD.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WNMF-LD 30 CP exc Grp51 and PXN, Model: Longley-Rice  
Start: 2019.07.10 11:13:28

Study created: 2019.07.10 11:13:28

Study build station data: LMS TV 2019-07-10

Proposal: WNMF-LD D30 LD CP ROSELAND, NJ  
File number: BLANK0000072006  
Facility ID: 74513  
Station data: LMS TV 2019-07-10  
Record ID: 25076f916a1778a5016a2292db8208b7  
Country: U.S.

Build options:  
Protect baseline records from LPTV

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Individual records excluded:

0000037694 WPXN-TV D31 DT LIC NEW YORK, NY BLANK0000037694 - Transition away Phase 4 - 6/2/19  
0000054668 WYXN-LD D30 LD APP \*P NEW YORK, NY BLANK0000054668 - MX Group 51  
0000054804 W34DI-D D31+ LD APP \*P NEW YORK, NY BLANK0000054804 - MX Group 51  
0000054813 WNNJ-LD D30 LD APP \*P PATERSON, NJ BLANK0000054813 - MX Group 51

Stations potentially affected by proposal:

| IX  | Call    | Chan | Svc | Status | City, State             | File Number      | Distance |
|-----|---------|------|-----|--------|-------------------------|------------------|----------|
| No  | WNYJ-LD | N26- | TX  | LIC    | New York, NY            | BLTTL20070223AHI | 73.1 km  |
| No  | WTXX-LD | D29  | LD  | CP     | SPRINGFIELD, MA         | BLANK0000053148  | 165.5    |
| No  | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ       | BLANK0000051787  | 122.3    |
| No  | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ        | BLANK0000066998  | 52.5     |
| No  | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ        | BLANK0000074735  | 52.5     |
| No  | W31EF-D | D29+ | LD  | APP    | West Orange, NJ         | BLANK0000054807  | 24.6     |
| No  | WPXU-LD | D29  | LD  | APP    | New york city, NY       | BLANK0000051706  | 24.3     |
| No  | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY           | BLANK0000034023  | 113.3    |
| No  | WRGB    | D29  | LD  | CP     | SCHENECTADY, NY         | BLANK0000054897  | 131.6    |
| No  | WKTV    | D29  | DT  | LIC    | UTICA, NY               | BLCDT20060630ACL | 263.4    |
| No  | W29EU-D | D29  | LD  | LIC    | CLARKS SUMMIT, ETC., PA | BLANK0000060867  | 141.6    |
| No  | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA        | BLANK0000051711  | 117.7    |
| No  | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA        | BLCDT20090223ABU | 244.7    |
| No  | WQMY    | D29  | DT  | APP    | WILLIAMSPORT, PA        | BLANK0000035754  | 244.7    |
| Yes | WEDH    | D30  | DT  | CP     | HARTFORD, CT            | BLANK0000034543  | 156.5    |
| No  | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC          | BLANK0000029340  | 316.7    |
| No  | WCRN-LD | D30+ | LD  | CP     | BOSTON, MA              | BLANK0000071754  | 290.9    |
| No  | W30DT-D | D30  | LD  | CP     | SALISBURY, MD           | BLCDT20120628AAS | 291.3    |
| No  | WYDC    | D30  | DT  | CP     | CORNING, NY             | BLANK0000034651  | 279.1    |
| No  | W30AZ-D | D30  | LD  | LIC    | ELLENVILLE, NY          | BLDTL20141229AGO | 103.5    |
| Yes | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY            | BLANK0000048135  | 24.8     |
| No  | W30BW   | N30+ | TX  | LIC    | OLEAN, NY               | BLTT20020307ABR  | 374.4    |
| No  | WAWW-LP | D30- | LD  | APP    | ROCHESTER, NY           | BLANK0000054618  | 379.1    |
| No  | WUTR    | D30  | DT  | LIC    | UTICA, NY               | BLCDT20040217ADC | 272.8    |
| No  | WPCW    | D30  | LD  | CP     | JEANNETTE, PA           | BLANK0000053374  | 417.5    |

|     |         |      |    |     |                      |                  |       |
|-----|---------|------|----|-----|----------------------|------------------|-------|
| No  | WPCW    | D30  | LD | LIC | JEANNETTE, PA        | BLANK0000064153  | 417.5 |
| No  | W43CO-D | D30  | LD | CP  | KINGSTON, PA         | BLANK0000054197  | 148.9 |
| Yes | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA     | BLANK0000033618  | 117.7 |
| No  | WELL-LD | D30  | LD | LIC | PHILADELPHIA, PA     | BLDTL20100208AAC | 117.7 |
| No  | WDCO-CD | D30  | DC | BL  | WOODSTOCK, VA        | DTVBL57905       | 362.9 |
| No  | W30DM-D | D30  | LD | LIC | MANCHESTER, ETC., VT | BLDTT20111118ARB | 280.5 |
| No  | WVIT    | D31  | DT | CP  | NEW BRITAIN, CT      | BLANK0000074279  | 156.3 |
| No  | W31EF-D | D31+ | LD | LIC | West Orange, NJ      | BLANK0000049440  | 0.0   |
| No  | WSKG-TV | D31  | DT | CP  | BINGHAMTON, NY       | BLANK0000028130  | 199.7 |
| No  | W31BP   | D31+ | LD | CP  | BURLINGTON, ETC., NY | BLANK0000054409  | 226.5 |
| No  | WTFX-TV | D31  | DT | CP  | PHILADELPHIA, PA     | BLANK0000034830  | 117.6 |
| No  | W32EI-D | N32- | TX | LIC | West Orange, NJ      | BLTTL20121024AAB | 73.1  |
| No  | W34DI-D | N34+ | TX | LIC | NEW YORK, NY         | BLTTL20070223AHK | 73.1  |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 40 47 18.00 N (NAD83)  
Longitude: 74 15 18.00 W  
Height AMSL: 232.0 m  
HAAT: 0.0 m  
Peak ERP: 0.020 kW  
Antenna: JAM-JUHD-4/2(8) (ID 33869) 0.0 deg  
Elev Pattnr: Generic

50.3 dBu contour:

| Azimuth | ERP      | HAAT    | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.018 kW | 122.7 m | 12.8 km  |
| 45.0    | 0.018    | 176.4   | 15.1     |
| 90.0    | 0.015    | 210.8   | 15.8     |
| 135.0   | 0.000    | 207.4   | 7.2      |
| 180.0   | 0.000    | 192.9   | 5.0      |
| 225.0   | 0.000    | 104.4   | 3.8      |
| 270.0   | 0.000    | 152.8   | 4.5      |
| 315.0   | 0.009    | 161.0   | 12.5     |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 166 m

Distance to Canadian border: 378.9 km

Distance to Mexican border: 2657.6 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 231.3 degrees Distance: 283.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.7 degrees Distance: 2606.0 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%

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Interference to BLANK0000034543 CP scenario 1

| Desired: | Call | Chan | Svc | Status | City, State  | File Number     | Distance |
|----------|------|------|-----|--------|--------------|-----------------|----------|
|          | WEDH | D30  | DT  | CP     | HARTFORD, CT | BLANK0000034543 |          |

|             |         |     |    |     |                  |                  |          |
|-------------|---------|-----|----|-----|------------------|------------------|----------|
| Undesireds: | WNMF-LD | D30 | LD | CP  | ROSELAND, NJ     | BLANK0000072006  | 156.5 km |
|             | WNEU    | D29 | DT | CP  | MERRIMACK, NH    | BLANK0000034700  | 148.0    |
|             | WLNY-TV | D29 | DT | CP  | RIVERHEAD, NY    | BLANK0000034023  | 89.9     |
|             | WUTR    | D30 | DT | LIC | UTICA, NY        | BLCDT20040217ADC | 250.3    |
|             | KYW-TV  | D30 | DT | CP  | PHILADELPHIA, PA | BLANK0000033618  | 274.1    |
|             | WVIT    | D31 | DT | CP  | NEW BRITAIN, CT  | BLANK0000074279  | 0.3      |
|             | WNCE-CD | D31 | DC | LIC | GLENS FALLS, NY  | BLDTA20100812ABN | 191.4    |

|    | Service area |           | Terrain-limited |           | IX-free, before |           | IX-free, after | Percent New |
|----|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-------------|
| IX |              |           |                 |           |                 |           |                |             |
|    | 32651.3      | 5,339,771 | 28861.9         | 4,758,563 | 28085.5         | 4,559,738 | 28085.5        | 4,559,738   |
|    | 0.00         |           |                 |           |                 |           |                | 0.00        |

| Undesired          |       | Total IX | Unique IX, before | Unique IX, after |
|--------------------|-------|----------|-------------------|------------------|
| WNMF-LD D30 LD CP  | 3.0   | 237      |                   | 0.0              |
| WNEU D29 DT CP     | 85.8  | 27,582   | 84.8              | 27,510           |
| WLNY-TV D29 DT CP  | 253.6 | 80,311   | 137.5             | 34,914           |
| WUTR D30 DT LIC    | 17.2  | 279      | 15.2              | 133              |
| KYW-TV D30 DT CP   | 367.1 | 89,306   | 250.9             | 41,873           |
| WVIT D31 DT CP     | 182.9 | 52,408   | 158.9             | 46,083           |
| WNCE-CD D31 DC LIC | 2.0   | 14       | 2.0               | 14               |

Interference to BLANK0000048135 APP scenario 1

| Call        | Chan    | Svc  | Status | City, State | File Number      | Distance        |
|-------------|---------|------|--------|-------------|------------------|-----------------|
| Desired:    | WNYN-LD | D30  | LD     | APP         | NEW YORK, NY     | BLANK0000048135 |
| Undesireds: | WNMF-LD | D30  | LD     | CP          | ROSELAND, NJ     | BLANK0000072006 |
|             | W49BE-D | D29z | LD     | CP          | HACKETTSTOWN, NJ | BLANK0000066998 |
|             | W31EF-D | D29+ | LD     | APP         | West Orange, NJ  | BLANK0000054807 |
|             | WEDH    | D30  | DT     | CP          | HARTFORD, CT     | BLANK0000034543 |
|             | KYW-TV  | D30  | DT     | CP          | PHILADELPHIA, PA | BLANK0000033618 |

|    | Service area |           | Terrain-limited |           | IX-free, before |           | IX-free, after | Percent New |
|----|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-------------|
| IX |              |           |                 |           |                 |           |                |             |
|    | 1134.9       | 8,341,122 | 1131.9          | 8,340,695 | 905.5           | 6,950,414 | 904.5          | 6,944,613   |
|    | 0.08         |           |                 |           |                 |           |                | 0.11        |

| Undesired           |       | Total IX | Unique IX, before | Unique IX, after |
|---------------------|-------|----------|-------------------|------------------|
| WNMF-LD D30 LD CP   | 59.6  | 261,641  |                   | 1.0              |
| W31EF-D D29+ LD APP | 84.4  | 557,879  | 67.5              | 417,126          |
| WEDH D30 DT CP      | 2.0   | 950      | 0.0               | 0                |
| KYW-TV D30 DT CP    | 158.9 | 973,155  | 140.0             | 831,452          |

Interference to BLANK0000048135 APP scenario 2

\*\*MX: 2.02% interference caused

| Call        | Chan    | Svc  | Status | City, State | File Number      | Distance        |
|-------------|---------|------|--------|-------------|------------------|-----------------|
| Desired:    | WNYN-LD | D30  | LD     | APP         | NEW YORK, NY     | BLANK0000048135 |
| Undesireds: | WNMF-LD | D30  | LD     | CP          | ROSELAND, NJ     | BLANK0000072006 |
|             | W49BE-D | D29z | LD     | CP          | HACKETTSTOWN, NJ | BLANK0000066998 |
|             | WEDH    | D30  | DT     | CP          | HARTFORD, CT     | BLANK0000034543 |
|             | KYW-TV  | D30  | DT     | CP          | PHILADELPHIA, PA | BLANK0000033618 |

|    | Service area |           | Terrain-limited |           | IX-free, before |           | IX-free, after | Percent New |
|----|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-------------|
| IX |              |           |                 |           |                 |           |                |             |
|    | 1134.9       | 8,341,122 | 1131.9          | 8,340,695 | 973.0           | 7,367,540 | 929.3          | 7,218,846   |
|    | 2.02         |           |                 |           |                 |           |                | 4.49        |

| Undesired         |       | Total IX | Unique IX, before | Unique IX, after |
|-------------------|-------|----------|-------------------|------------------|
| WNMF-LD D30 LD CP | 59.6  | 261,641  |                   | 43.7             |
| WEDH D30 DT CP    | 2.0   | 950      | 0.0               | 0                |
| KYW-TV D30 DT CP  | 158.9 | 973,155  | 156.9             | 972,205          |

## Interference to BLANK0000033618 CP scenario 1

|             | Call    | Chan | Svc | Status | City, State      | File Number      | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired:    | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618  |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006  | 117.7 km |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA | BLCDT20090223ABU | 204.1    |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543  | 274.1    |
|             | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC   | BLANK0000029340  | 199.7    |
|             | WMPT    | D31  | DT  | BL     | ANNAPOLIS, MD    | DTVBL65942       | 164.0    |
|             | WTFX-TV | D31  | DT  | CP     | PHILADELPHIA, PA | BLANK0000034830  | 0.4      |

|    | Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New |
|----|--------------|-----------------|-----------------|----------------|-------------|
| IX | 34688.6      | 11,224,140      | 33456.4         | 11,029,286     | 33294.2     |
|    | 10,989,711   | 33277.2         | 10,972,617      | 0.05           |             |
|    | 0.16         |                 |                 |                |             |

| Undesired         | Total IX | Unique IX, before | Unique IX, after |
|-------------------|----------|-------------------|------------------|
| WNMF-LD D30 LD CP | 27.9     | 29,362            | 16.9             |
| WEDH D30 DT CP    | 18.9     | 14,501            | 7.0              |
| WIAV-CD D30 DC CP | 119.4    | 20,766            | 72.9             |
| WMPT D31 DT BL    | 52.4     | 11,440            | 11.9             |
| WTFX-TV D31 DT CP | 16.9     | 2,557             | 16.9             |

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## Interference to proposal scenario 1

\*\*MX: 19.44% interference received

|             | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
| Desired:    | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 |          |
| Undesireds: | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5 km  |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.6     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8     |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |

|  | Service area | Terrain-limited | IX-free | Percent IX |
|--|--------------|-----------------|---------|------------|
|  | 362.3        | 832,821         | 328.6   | 812,956    |
|  | 260.1        | 654,926         | 20.85   | 19.44      |

| Undesired          | Total IX | Unique IX | Prcnt Unique IX |
|--------------------|----------|-----------|-----------------|
| WEDH D30 DT CP     | 2.0      | 1,636     | 0.0             |
| WNYN-LD D30 LD APP | 13.9     | 39,358    | 8.9             |
| KYW-TV D30 DT CP   | 58.6     | 133,960   | 53.6            |

### EXHIBIT 3

This is the study of WNYN-LD's displacement application, file # 0000048135, the only application from the MX Group 51, since only one application can win at auction, and assumes WNYN-LD wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNYN-LD to WNMF-LD's construction permit, file # 0000072006, and to WNMF-LD's application for modification of that construction permit, file # 0000078092. The predicted interference to 3.39% of WNMF-LD's construction permit is fatal to WNYN-LD's auction application. It can not be amended in any manner to remove that predicted interference. Therefore, WNYN-LD's auction application becomes worthless as a result of the WNMF-LD construction permit. Notably, WNYN-LD's auction application is predicted to cause interference to 29.19% of the population which would be served by WNMF-LD's pending application for modification of its construction permit, and receive interference from WNMF-LD to 59.59% of WNYN-LD's potential population.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WNYN-LD App excl. WYXN-WNJJ-W31EF-WPXN, Model: Longley-Rice  
Start: 2019.07.17 11:52:19

Study created: 2019.07.17 11:52:19

Study build station data: LMS TV 2019-07-16

Proposal: WNYN-LD D30 LD APP \*P NEW YORK, NY  
File number: BLANK0000048135  
Facility ID: 74305  
Station data: LMS TV 2019-07-16  
Record ID: 25076f916810elfa0168399ef2452be8  
Country: U.S.

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

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Individual records excluded:  
0000037694 WPXN-TV D31 DT LIC NEW YORK, NY BLANK0000037694  
0000054668 WYXN-LD D30 LD APP \*P NEW YORK, NY BLANK0000054668  
0000054807 W31EF-D D29+ LD APP \*P West Orange, NJ BLANK0000054807  
0000054813 WNJJ-LD D30 LD APP \*P PATERSON, NJ BLANK0000054813

Stations potentially affected by proposal:

| IX  | Call    | Chan | Svc | Status | City, State       | File Number      | Distance |
|-----|---------|------|-----|--------|-------------------|------------------|----------|
| No  | WNYJ-LD | N26- | TX  | LIC    | New York, NY      | BLTTL20070223AHI | 89.4 km  |
| No  | W26CE   | N26- | TX  | LIC    | NEW YORK, NY      | BLTTL20080306ABU | 100.8    |
| No  | W28AJ   | N28z | TX  | LIC    | ALLINGTOWN, CT    | BLTTL20010608AAO | 101.6    |
| No  | WTXX-LD | D29  | LD  | CP     | SPRINGFIELD, MA   | BLANK0000053148  | 150.2    |
| No  | WUTF-TV | D29  | DT  | LIC    | WORCESTER, MA     | BLANK0000001072  | 255.5    |
| No  | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ | BLANK0000051787  | 127.2    |
| No  | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ  | BLANK0000066998  | 77.3     |
| No  | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ  | BLANK0000074735  | 77.3     |
| No  | WPXU-LD | D29  | LD  | APP    | New york city, NY | BLANK0000051706  | 0.8      |
| Yes | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY     | BLANK0000034023  | 89.2     |

|     |         |      |    |     |                         |                    |       |
|-----|---------|------|----|-----|-------------------------|--------------------|-------|
| No  | WRGB    | D29  | LD | CP  | SCHENECTADY, NY         | BLANK0000054897    | 132.7 |
| No  | WKTV    | D29  | DT | LIC | UTICA, NY               | BLCDT20060630ACL   | 271.9 |
| No  | W29EU-D | D29  | LD | LIC | CLARKS SUMMIT, ETC., PA | BLANK0000060867    | 164.1 |
| No  | WELL-LD | D29  | LD | CP  | PHILADELPHIA, PA        | BLANK0000051711    | 135.0 |
| No  | WQMY    | D29  | DT | LIC | WILLIAMSPORT, PA        | BLCDT20090223ABU   | 269.4 |
| No  | WQMY    | D29  | DT | APP | WILLIAMSPORT, PA        | BLANK0000035754    | 269.4 |
| Yes | WEDH    | D30  | DT | CP  | HARTFORD, CT            | BLANK0000034543    | 140.5 |
| No  | WIAV-CD | D30  | DC | CP  | WASHINGTON, DC          | BLANK0000029340    | 334.8 |
| No  | WCRN-LD | D30+ | LD | CP  | BOSTON, MA              | BLANK0000071754    | 271.3 |
| No  | WBZ-TV  | D30  | DT | LIC | BOSTON, MA              | BLCDT20060420ABG   | 284.2 |
| No  | W30DT-D | D30  | LD | CP  | SALISBURY, MD           | BDCCDTL20120628AAS | 300.4 |
| Yes | WFUT-DT | D30  | DT | LIC | NEWARK, NJ              | BLANK0000037827    | 3.0   |
| Yes | WFUT-DT | D30  | DT | APP | NEWARK, NJ              | BLANK0000077919    | 3.0   |
| Yes | WNMF-LD | D30  | LD | CP  | ROSELAND, NJ            | BLANK0000072006    | 24.8  |
| Yes | WNMF-LD | D30  | LD | APP | ROSELAND, NJ            | BLANK0000078092    | 24.8  |
| No  | WYDC    | D30  | DT | CP  | CORNING, NY             | BLANK0000034651    | 301.2 |
| No  | WSKA    | D30  | DT | LIC | CORNING, NY             | BLEDT20060705ABL   | 301.2 |
| No  | W3OAZ-D | D30  | LD | LIC | ELLENVILLE, NY          | BLDTL20141229AGO   | 116.4 |
| No  | WAWW-LP | D30- | LD | APP | ROCHESTER, NY           | BLANK0000054618    | 398.7 |
| No  | WUTR    | D30  | DT | LIC | UTICA, NY               | BLCDT20040217ADC   | 282.7 |
| No  | W43CO-D | D30  | LD | CP  | KINGSTON, PA            | BLANK0000054197    | 172.6 |
| Yes | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA        | BLANK0000033618    | 135.1 |
| No  | WELL-LD | D30  | LD | LIC | PHILADELPHIA, PA        | BLDTL20100208AAC   | 135.0 |
| No  | W3ODM-D | D30  | LD | LIC | MANCHESTER, ETC., VT    | BLDTT20111118ARB   | 275.6 |
| No  | WTIC-TV | D31  | DT | LIC | HARTFORD, CT            | BLCDT20101222AAE   | 140.5 |
| No  | WVIT    | D31  | DT | CP  | NEW BRITAIN, CT         | BLANK0000074279    | 140.2 |
| No  | WPPX-TV | D31  | DT | LIC | WILMINGTON, DE          | BLCDT20031203AFL   | 134.7 |
| No  | W3IEF-D | D31+ | LD | LIC | West Orange, NJ         | BLANK0000049440    | 24.8  |
| No  | WSKG-TV | D31  | DT | CP  | BINGHAMTON, NY          | BLANK0000028130    | 219.2 |
| No  | W34DI-D | D31+ | LD | APP | NEW YORK, NY            | BLANK0000054804    | 1.7   |
| No  | WTFX-TV | D31  | DT | CP  | PHILADELPHIA, PA        | BLANK0000034830    | 134.9 |
| No  | WSWB    | D31  | DT | LIC | SCRANTON, PA            | BLCDT20140326AAZ   | 165.6 |
| No  | W32EI-D | N32- | TX | LIC | West Orange, NJ         | BLTTL20121024AAB   | 89.4  |
| No  | W34DI-D | N34+ | TX | LIC | NEW YORK, NY            | BLTTL20070223AHK   | 89.4  |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 40 46 2.30 N (NAD83)  
Longitude: 73 57 40.40 W  
Height AMSL: 241.0 m  
HAAT: 0.0 m  
Peak ERP: 0.800 kW  
Antenna: KAT-4DR-8-2HN (ID 1004533) 0.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

| Azimuth | ERP      | HAAT    | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.008 kW | 194.7 m | 13.1 km  |
| 45.0    | 0.027    | 230.9   | 19.6     |
| 90.0    | 0.613    | 225.8   | 35.4     |
| 135.0   | 0.041    | 220.2   | 21.2     |
| 180.0   | 0.021    | 226.3   | 18.1     |
| 225.0   | 0.001    | 239.1   | 9.1      |
| 270.0   | 0.005    | 228.2   | 12.2     |
| 315.0   | 0.000    | 225.6   | 6.6      |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 224 m

Distance to Canadian border: 394.7 km

Distance to Mexican border: 2677.6 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 234.8 degrees Distance: 301.7 km



Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.8 degrees Distance: 2630.8 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%

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Interference to BLANK0000034023 CP scenario 1

| Desired:           | Call    | Chan            | Svc | Status            | City, State      | File Number      | Distance       |
|--------------------|---------|-----------------|-----|-------------------|------------------|------------------|----------------|
|                    | WLNY-TV | D29             | DT  | CP                | RIVERHEAD, NY    | BLANK0000034023  |                |
| Undesireds:        | WNYN-LD | D30             | LD  | APP               | NEW YORK, NY     | BLANK0000048135  | 89.2 km        |
|                    | WHPX-TV | D28             | DT  | CP                | NEW LONDON, CT   | BLANK0000063882  | 89.9           |
|                    | WNEU    | D29             | DT  | CP                | MERRIMACK, NH    | BLANK0000034700  | 210.0          |
|                    | WKTV    | D29             | DT  | LIC               | UTICA, NY        | BLCDT20060630ACL | 296.7          |
|                    | WQMY    | D29             | DT  | LIC               | WILLIAMSPORT, PA | BLCDT20090223ABU | 354.0          |
|                    | WEDH    | D30             | DT  | CP                | HARTFORD, CT     | BLANK0000034543  | 89.9           |
| Service area       |         | Terrain-limited |     | IX-free, before   |                  | IX-free, after   | Percent New IX |
| 16375.8            |         | 7,386,622       |     | 16194.6           |                  | 7,237,299        | 0.01 0.00      |
| Undesired          |         | Total IX        |     | Unique IX, before |                  | Unique IX, after |                |
| WNYN-LD D30 LD APP |         | 2.0             |     | 6,560             |                  | 1.0              | 33             |
| WHPX-TV D28 DT CP  |         | 160.9           |     | 58,732            |                  | 40.2             | 21,787         |
| WNEU D29 DT CP     |         | 6.0             |     | 6,868             |                  | 3.0              | 6,545          |
| WKTV D29 DT LIC    |         | 17.1            |     | 7,151             |                  | 8.1              | 5,933          |
| WEDH D30 DT CP     |         | 122.7           |     | 37,206            |                  | 0.0              | 0              |

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Interference to BLANK0000034543 CP scenario 1

| Desired:           | Call    | Chan            | Svc | Status            | City, State      | File Number      | Distance       |
|--------------------|---------|-----------------|-----|-------------------|------------------|------------------|----------------|
|                    | WEDH    | D30             | DT  | CP                | HARTFORD, CT     | BLANK0000034543  |                |
| Undesireds:        | WNYN-LD | D30             | LD  | APP               | NEW YORK, NY     | BLANK0000048135  | 140.5 km       |
|                    | WNEU    | D29             | DT  | CP                | MERRIMACK, NH    | BLANK0000034700  | 148.0          |
|                    | WLNY-TV | D29             | DT  | CP                | RIVERHEAD, NY    | BLANK0000034023  | 89.9           |
|                    | WUTR    | D30             | DT  | LIC               | UTICA, NY        | BLCDT20040217ADC | 250.3          |
|                    | KYW-TV  | D30             | DT  | CP                | PHILADELPHIA, PA | BLANK0000033618  | 274.1          |
|                    | WVIT    | D31             | DT  | CP                | NEW BRITAIN, CT  | BLANK0000074279  | 0.3            |
|                    | WNCE-CD | D31             | DC  | LIC               | GLENS FALLS, NY  | BLDTA20100812ABN | 191.4          |
| Service area       |         | Terrain-limited |     | IX-free, before   |                  | IX-free, after   | Percent New IX |
| 32651.3            |         | 5,339,771       |     | 28861.9           |                  | 4,559,738        | 0.02 0.05      |
| Undesired          |         | Total IX        |     | Unique IX, before |                  | Unique IX, after |                |
| WNYN-LD D30 LD APP |         | 54.6            |     | 26,325            |                  | 5.1              | 2,057          |
| WNEU D29 DT CP     |         | 85.8            |     | 27,582            |                  | 84.8             | 27,510         |
| WLNY-TV D29 DT CP  |         | 253.6           |     | 80,311            |                  | 137.5            | 34,914         |
| WUTR D30 DT LIC    |         | 17.2            |     | 279               |                  | 15.2             | 133            |
| KYW-TV D30 DT CP   |         | 367.1           |     | 89,306            |                  | 250.9            | 41,873         |
| WVIT D31 DT CP     |         | 182.9           |     | 52,408            |                  | 158.9            | 46,083         |
| WNCE-CD D31 DC LIC |         | 2.0             |     | 14                |                  | 2.0              | 14             |

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Interference to BLANK0000037827 LIC scenario 1 Station will transition away in Phase 4 - 8/2/19  
\*\*IX: 1.31% interference caused

| Desired:    | Call    | Chan | Svc | Status | City, State    | File Number     | Distance |
|-------------|---------|------|-----|--------|----------------|-----------------|----------|
|             | WFUT-DT | D30  | DT  | LIC    | NEWARK, NJ     | BLANK0000037827 |          |
| Undesireds: | WNYN-LD | D30  | LD  | APP    | NEW YORK, NY   | BLANK0000048135 | 3.0 km   |
|             | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC | BLANK0000029340 | 331.9    |

|         |     |    |     |                |                  |       |
|---------|-----|----|-----|----------------|------------------|-------|
| WBZ-TV  | D30 | DT | LIC | BOSTON, MA     | BLCDT20060420ABG | 287.1 |
| WTIC-TV | D31 | DT | LIC | HARTFORD, CT   | BLCDT20101222AAE | 143.5 |
| WPPX-TV | D31 | DT | LIC | WILMINGTON, DE | BLCDT20031203AFL | 131.8 |

|              |            |                 |            |                 |            |                |            |                |
|--------------|------------|-----------------|------------|-----------------|------------|----------------|------------|----------------|
| Service area |            | Terrain-limited |            | IX-free, before |            | IX-free, after |            | Percent New IX |
| 25876.5      | 19,985,090 | 24193.2         | 19,658,000 | 23934.6         | 19,600,098 | 23891.7        | 19,343,252 | 0.18 1.31      |

|                    |       |          |       |                   |       |                  |
|--------------------|-------|----------|-------|-------------------|-------|------------------|
| Undesired          |       | Total IX |       | Unique IX, before |       | Unique IX, after |
| WNYN-LD D30 LD APP | 44.0  | 256,914  |       |                   | 43.0  | 256,846          |
| WIAV-CD D30 DC CP  | 1.0   | 32       | 0.0   | 0                 | 0.0   | 0                |
| WBZ-TV D30 DT LIC  | 141.7 | 47,810   | 138.7 | 45,901            | 137.7 | 45,833           |
| WTIC-TV D31 DT LIC | 3.0   | 1,909    | 0.0   | 0                 | 0.0   | 0                |
| WPPX-TV D31 DT LIC | 116.8 | 10,092   | 115.8 | 10,060            | 115.8 | 10,060           |

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Interference to BLANK0000077919 APP scenario 1  
 \*\*MX: 1.31% interference caused

|                     |      |     |        |                |                  |          |
|---------------------|------|-----|--------|----------------|------------------|----------|
| Call                | Chan | Svc | Status | City, State    | File Number      | Distance |
| Desired: WFUT-DT    | D30  | DT  | APP    | NEWARK, NJ     | BLANK0000077919  |          |
| Undesireds: WNYN-LD | D30  | LD  | APP    | NEW YORK, NY   | BLANK0000048135  | 3.0 km   |
| WIAV-CD             | D30  | DC  | CP     | WASHINGTON, DC | BLANK0000029340  | 331.9    |
| WBZ-TV              | D30  | DT  | LIC    | BOSTON, MA     | BLCDT20060420ABG | 287.1    |
| WTIC-TV             | D31  | DT  | LIC    | HARTFORD, CT   | BLCDT20101222AAE | 143.5    |
| WPPX-TV             | D31  | DT  | LIC    | WILMINGTON, DE | BLCDT20031203AFL | 131.8    |

|              |            |                 |            |                 |            |                |            |                |
|--------------|------------|-----------------|------------|-----------------|------------|----------------|------------|----------------|
| Service area |            | Terrain-limited |            | IX-free, before |            | IX-free, after |            | Percent New IX |
| 25876.5      | 19,985,090 | 24193.2         | 19,658,000 | 23934.6         | 19,600,098 | 23891.7        | 19,343,252 | 0.18 1.31      |

|                    |       |          |       |                   |       |                  |
|--------------------|-------|----------|-------|-------------------|-------|------------------|
| Undesired          |       | Total IX |       | Unique IX, before |       | Unique IX, after |
| WNYN-LD D30 LD APP | 44.0  | 256,914  |       |                   | 43.0  | 256,846          |
| WIAV-CD D30 DC CP  | 1.0   | 32       | 0.0   | 0                 | 0.0   | 0                |
| WBZ-TV D30 DT LIC  | 141.7 | 47,810   | 138.7 | 45,901            | 137.7 | 45,833           |
| WTIC-TV D31 DT LIC | 3.0   | 1,909    | 0.0   | 0                 | 0.0   | 0                |
| WPPX-TV D31 DT LIC | 116.8 | 10,092   | 115.8 | 10,060            | 115.8 | 10,060           |

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Interference to BLANK0000072006 CP scenario 1  
 \*\*IX: 3.39% interference caused

|                     |      |     |        |                  |                 |          |
|---------------------|------|-----|--------|------------------|-----------------|----------|
| Call                | Chan | Svc | Status | City, State      | File Number     | Distance |
| Desired: WNMF-LD    | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 |          |
| Undesireds: WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8 km  |
| W49BE-D             | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5     |
| WEDH                | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
| KYW-TV              | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |

|              |         |                 |         |                 |         |                |         |                |
|--------------|---------|-----------------|---------|-----------------|---------|----------------|---------|----------------|
| Service area |         | Terrain-limited |         | IX-free, before |         | IX-free, after |         | Percent New IX |
| 362.3        | 832,821 | 328.6           | 812,956 | 269.0           | 677,883 | 260.1          | 654,926 | 3.32 3.39      |

|                    |      |          |      |                   |      |                  |
|--------------------|------|----------|------|-------------------|------|------------------|
| Undesired          |      | Total IX |      | Unique IX, before |      | Unique IX, after |
| WNYN-LD D30 LD APP | 13.9 | 39,358   |      |                   | 8.9  | 22,957           |
| WEDH D30 DT CP     | 2.0  | 1,636    | 1.0  | 1,113             | 0.0  | 0                |
| KYW-TV D30 DT CP   | 58.6 | 133,960  | 57.6 | 133,437           | 53.6 | 118,149          |

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Interference to BLANK0000078092 APP scenario 1  
 \*\*MX: 29.19% interference caused

|                     |      |     |        |                  |                 |          |
|---------------------|------|-----|--------|------------------|-----------------|----------|
| Call                | Chan | Svc | Status | City, State      | File Number     | Distance |
| Desired: WNMF-LD    | D30  | LD  | APP    | ROSELAND, NJ     | BLANK0000078092 |          |
| Undesireds: WNYN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000048135 | 24.8 km  |
| W49BE-D             | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5     |
| WEDH                | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
| KYW-TV              | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |
| W34DI-D             | D31+ | LD  | APP    | NEW YORK, NY     | BLANK0000054804 | 24.6     |

|              |  |                 |  |                 |  |                |  |                |
|--------------|--|-----------------|--|-----------------|--|----------------|--|----------------|
| Service area |  | Terrain-limited |  | IX-free, before |  | IX-free, after |  | Percent New IX |
|--------------|--|-----------------|--|-----------------|--|----------------|--|----------------|

|        |            |        |            |        |            |        |           |       |       |
|--------|------------|--------|------------|--------|------------|--------|-----------|-------|-------|
| 4207.3 | 12,291,253 | 3873.5 | 12,076,714 | 3385.4 | 10,628,649 | 2817.8 | 7,525,812 | 16.77 | 29.19 |
|--------|------------|--------|------------|--------|------------|--------|-----------|-------|-------|

|                     |       |           |                   |                  |
|---------------------|-------|-----------|-------------------|------------------|
| Undesired           |       | Total IX  | Unique IX, before | Unique IX, after |
| WNYN-LD D30 LD APP  | 878.3 | 4,330,563 |                   | 567.6 3,102,837  |
| WEDH D30 DT CP      | 12.9  | 23,997    | 1.0 0             | 0.0 0            |
| KYW-TV D30 DT CP    | 447.3 | 1,133,366 | 408.4 970,758     | 169.4 188,628    |
| W34DI-D D31+ LD APP | 69.7  | 453,342   | 39.8 314,699      | 2.0 660          |

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Interference to BLANK0000033618 CP scenario 1

| Desired:           | Call    | Chan               | Svc | Status             | City, State      | File Number        | Distance       |
|--------------------|---------|--------------------|-----|--------------------|------------------|--------------------|----------------|
|                    | KYW-TV  | D30                | DT  | CP                 | PHILADELPHIA, PA | BLANK0000033618    |                |
| Undesireds:        | WNYN-LD | D30                | LD  | APP                | NEW YORK, NY     | BLANK0000048135    | 135.1 km       |
|                    | WQMY    | D29                | DT  | LIC                | WILLIAMSPORT, PA | BLCDT20090223ABU   | 204.1          |
|                    | WEDH    | D30                | DT  | CP                 | HARTFORD, CT     | BLANK0000034543    | 274.1          |
|                    | WIAV-CD | D30                | DC  | CP                 | WASHINGTON, DC   | BLANK0000029340    | 199.7          |
|                    | WMPT    | D31                | DT  | BL                 | ANNAPOLIS, MD    | DTVBL65942         | 164.0          |
|                    | WTFX-TV | D31                | DT  | CP                 | PHILADELPHIA, PA | BLANK0000034830    | 0.4            |
| Service area       |         | Terrain-limited    |     | IX-free, before    |                  | IX-free, after     | Percent New IX |
| 34688.6 11,224,140 |         | 33456.4 11,029,286 |     | 33294.2 10,989,711 |                  | 33236.3 10,939,260 | 0.17 0.46      |

|                    |       |          |                   |                  |
|--------------------|-------|----------|-------------------|------------------|
| Undesired          |       | Total IX | Unique IX, before | Unique IX, after |
| WNYN-LD D30 LD APP | 66.8  | 61,823   |                   | 57.9 50,451      |
| WEDH D30 DT CP     | 18.9  | 14,501   | 14.0 13,563       | 6.0 3,009        |
| WIAV-CD D30 DC CP  | 119.4 | 20,766   | 73.9 11,077       | 73.9 11,077      |
| WMPT D31 DT BL     | 52.4  | 11,440   | 11.9 2,689        | 11.9 2,689       |
| WTFX-TV D31 DT CP  | 16.9  | 2,557    | 16.9 2,557        | 16.9 2,557       |

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Interference to proposal scenario 1

\*\*MX: 24.56% interference received

| Desired:         | Call    | Chan             | Svc | Status          | City, State      | File Number     | Distance |
|------------------|---------|------------------|-----|-----------------|------------------|-----------------|----------|
|                  | WNYN-LD | D30              | LD  | APP             | NEW YORK, NY     | BLANK0000048135 |          |
| Undesireds:      | W49BE-D | D29z             | LD  | CP              | HACKETTSTOWN, NJ | BLANK0000066998 | 77.3 km  |
|                  | WEDH    | D30              | DT  | CP              | HARTFORD, CT     | BLANK0000034543 | 140.5    |
|                  | WNMF-LD | D30              | LD  | CP              | ROSELAND, NJ     | BLANK0000072006 | 24.8     |
|                  | KYW-TV  | D30              | DT  | CP              | PHILADELPHIA, PA | BLANK0000033618 | 135.1    |
|                  | W34DI-D | D31+             | LD  | APP             | NEW YORK, NY     | BLANK0000054804 | 1.7      |
| Service area     |         | Terrain-limited  |     | IX-free         |                  | Percent IX      |          |
| 1134.9 8,341,122 |         | 1131.9 8,340,695 |     | 829.9 6,292,072 |                  | 26.68 24.56     |          |

|                     |       |           |               |                 |
|---------------------|-------|-----------|---------------|-----------------|
| Undesired           |       | Total IX  | Unique IX     | Prcnt Unique IX |
| WEDH D30 DT CP      | 2.0   | 950       | 0.0 0         | 0.00 0.00       |
| WNMF-LD D30 LD CP   | 59.6  | 261,641   | 5.0 57,231    | 0.44 0.69       |
| KYW-TV D30 DT CP    | 158.9 | 973,155   | 129.1 775,392 | 11.41 9.30      |
| W34DI-D D31+ LD APP | 161.0 | 1,197,600 | 99.4 926,774  | 8.79 11.11      |

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Interference to proposal scenario 2

\*\*MX: 83.47% interference received

| Desired:         | Call    | Chan             | Svc | Status          | City, State      | File Number     | Distance |
|------------------|---------|------------------|-----|-----------------|------------------|-----------------|----------|
|                  | WNYN-LD | D30              | LD  | APP             | NEW YORK, NY     | BLANK0000048135 |          |
| Undesireds:      | W49BE-D | D29z             | LD  | CP              | HACKETTSTOWN, NJ | BLANK0000066998 | 77.3 km  |
|                  | WEDH    | D30              | DT  | CP              | HARTFORD, CT     | BLANK0000034543 | 140.5    |
|                  | WNMF-LD | D30              | LD  | APP             | ROSELAND, NJ     | BLANK0000078092 | 24.8     |
|                  | KYW-TV  | D30              | DT  | CP              | PHILADELPHIA, PA | BLANK0000033618 | 135.1    |
|                  | W34DI-D | D31+             | LD  | APP             | NEW YORK, NY     | BLANK0000054804 | 1.7      |
| Service area     |         | Terrain-limited  |     | IX-free         |                  | Percent IX      |          |
| 1134.9 8,341,122 |         | 1131.9 8,340,695 |     | 121.1 1,379,039 |                  | 89.30 83.47     |          |

|                |     |          |           |                 |
|----------------|-----|----------|-----------|-----------------|
| Undesired      |     | Total IX | Unique IX | Prcnt Unique IX |
| WEDH D30 DT CP | 2.0 | 950      | 0.0 0     | 0.00 0.00       |

|                     |       |           |       |           |       |       |
|---------------------|-------|-----------|-------|-----------|-------|-------|
| WNMF-LD D30 LD APP  | 987.9 | 6,816,057 | 713.7 | 4,970,264 | 63.05 | 59.59 |
| KYW-TV D30 DT CP    | 158.9 | 973,155   | 4.0   | 5,598     | 0.35  | 0.07  |
| W34DI-D D31+ LD APP | 161.0 | 1,197,600 | 14.9  | 100,226   | 1.32  | 1.20  |

#### EXHIBIT 4

This is the study of the displacement application, file # 0000072006, that obtained the 0.02 kW CP for WNMF-LD. It includes only one application from the MX Group 51 applications, since only one application can win at auction, and assumes WYXN-LD, file # 0000054668, wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WNMF-LD to WYXN-LD. As shown herein the predicted interference from WNMF-LD to WYXN-LD's auction application is less than 2.0% that is not the issue. This study predicts that the WYXN-LD application will cause interference to 75.12% of WNMF-LD's construction permit population. This is fatal to WYXN-LD's auction application, and therefore renders it worthless.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WNMF-LD CP excl. WNYN-WNJJ-W34DI-WPXN, Model: Longley-Rice  
Start: 2019.07.18 08:58:02

Study created: 2019.07.18 08:58:02

Study build station data: LMS TV 2019-07-16

Proposal: **WNMF-LD** D30 LD CP ROSELAND, NJ  
File number: BLANK0000072006  
Facility ID: 74513  
Station data: LMS TV 2019-07-16  
Record ID: 25076f916a1778a5016a2292db8208b7  
Country: U.S.

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

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Individual records excluded:  
0000037694 WPXN-TV D31 DT LIC NEW YORK, NY BLANK0000037694  
0000048135 WNYN-LD D30 LD APP \*P NEW YORK, NY BLANK0000048135  
0000054804 W34DI-D D31+ LD APP \*P NEW YORK, NY BLANK0000054804  
0000054813 WNJJ-LD D30 LD APP \*P PATERSON, NJ BLANK0000054813

Stations potentially affected by proposal:

| IX | Call    | Chan | Svc | Status | City, State             | File Number      | Distance |
|----|---------|------|-----|--------|-------------------------|------------------|----------|
| No | WNYJ-LD | N26- | TX  | LIC    | New York, NY            | BLTTL20070223AHI | 73.1 km  |
| No | WTXX-LD | D29  | LD  | CP     | SPRINGFIELD, MA         | BLANK0000053148  | 165.5    |
| No | WUTF-TV | D29  | DT  | LIC    | WORCESTER, MA           | BLANK0000001072  | 272.4    |
| No | WMPB    | D29  | DT  | LIC    | BALTIMORE, MD           | BLEDT20090330AEX | 261.3    |
| No | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ       | BLANK0000051787  | 122.3    |
| No | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ        | BLANK0000066998  | 52.5     |
| No | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ        | BLANK0000074735  | 52.5     |
| No | W31EF-D | D29+ | LD  | APP    | West Orange, NJ         | BLANK0000054807  | 24.6     |
| No | WPXU-LD | D29  | LD  | APP    | New York City, NY       | BLANK0000051706  | 24.3     |
| No | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY           | BLANK0000034023  | 113.3    |
| No | WRGB    | D29  | LD  | CP     | SCHENECTADY, NY         | BLANK0000054897  | 131.6    |
| No | WKTV    | D29  | DT  | LIC    | UTICA, NY               | BLCDT20060630ACL | 263.4    |
| No | W29EU-D | D29  | LD  | LIC    | CLARKS SUMMIT, ETC., PA | BLANK0000060867  | 141.6    |
| No | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA        | BLANK0000051711  | 117.7    |
| No | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA        | BLCDT20090223ABU | 244.7    |
| No | WQMY    | D29  | DT  | APP    | WILLIAMSPORT, PA        | BLANK0000035754  | 244.7    |

|     |         |      |    |     |                      |                    |       |
|-----|---------|------|----|-----|----------------------|--------------------|-------|
| Yes | WEDH    | D30  | DT | CP  | HARTFORD, CT         | BLANK0000034543    | 156.5 |
| No  | WIAV-CD | D30  | DC | CP  | WASHINGTON, DC       | BLANK0000029340    | 316.7 |
| No  | WCRN-LD | D30+ | LD | CP  | BOSTON, MA           | BLANK0000071754    | 290.9 |
| No  | WBZ-TV  | D30  | DT | LIC | BOSTON, MA           | BLCDT20060420ABG   | 302.7 |
| No  | W3ODT-D | D30  | LD | CP  | SALISBURY, MD        | BDCCDTL20120628AAS | 291.3 |
| Yes | WFUT-DT | D30  | DT | LIC | NEWARK, NJ           | BLANK0000037827    | 23.1  |
| Yes | WFUT-DT | D30  | DT | APP | NEWARK, NJ           | BLANK0000077919    | 23.1  |
| No  | WYDC    | D30  | DT | CP  | CORNING, NY          | BLANK0000034651    | 279.1 |
| No  | WSKA    | D30  | DT | LIC | CORNING, NY          | BL EDT20060705ABL  | 279.1 |
| No  | W3OAZ-D | D30  | LD | LIC | ELLENVILLE, NY       | BLDTL20141229AGO   | 103.5 |
| Yes | WYXN-LD | D30  | LD | APP | NEW YORK, NY         | BLANK0000054668    | 1.7   |
| No  | W3OBW   | N30+ | TX | LIC | OLEAN, NY            | BLTT20020307ABR    | 374.4 |
| No  | WAWW-LP | D30- | LD | APP | ROCHESTER, NY        | BLANK0000054618    | 379.1 |
| No  | WUTR    | D30  | DT | LIC | UTICA, NY            | BLCDT20040217ADC   | 272.8 |
| No  | WPCW    | D30  | LD | CP  | JEANNETTE, PA        | BLANK0000053374    | 417.5 |
| No  | WPCW    | D30  | LD | LIC | JEANNETTE, PA        | BLANK0000064153    | 417.5 |
| No  | W43CO-D | D30  | LD | CP  | KINGSTON, PA         | BLANK0000054197    | 148.9 |
| Yes | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA     | BLANK0000033618    | 117.7 |
| No  | WELL-LD | D30  | LD | LIC | PHILADELPHIA, PA     | BLDTL20100208AAC   | 117.7 |
| No  | WDCO-CD | D30  | DC | BL  | WOODSTOCK, VA        | DTVBL57905         | 362.9 |
| No  | W3ODM-D | D30  | LD | LIC | MANCHESTER, ETC., VT | BLDTT20111118ARB   | 280.5 |
| No  | WTIC-TV | D31  | DT | LIC | HARTFORD, CT         | BLCDT20101222AAE   | 156.5 |
| No  | WVIT    | D31  | DT | CP  | NEW BRITAIN, CT      | BLANK0000074279    | 156.3 |
| No  | WPPX-TV | D31  | DT | LIC | WILMINGTON, DE       | BLCDT20031203AFL   | 117.4 |
| No  | W31EF-D | D31+ | LD | LIC | West Orange, NJ      | BLANK0000049440    | 0.0   |
| No  | WSKG-TV | D31  | DT | CP  | BINGHAMTON, NY       | BLANK0000028130    | 199.7 |
| No  | W31BP   | D31+ | LD | CP  | BURLINGTON, ETC., NY | BLANK0000054409    | 226.5 |
| No  | WTFX-TV | D31  | DT | CP  | PHILADELPHIA, PA     | BLANK0000034830    | 117.6 |
| No  | WSWB    | D31  | DT | LIC | SCRANTON, PA         | BLCDT20140326AAZ   | 142.8 |
| No  | W32EI-D | N32- | TX | LIC | West Orange, NJ      | BLTTL20121024AAB   | 73.1  |
| No  | W34DI-D | N34+ | TX | LIC | NEW YORK, NY         | BLTTL20070223AHK   | 73.1  |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 40 47 18.00 N (NAD83)  
Longitude: 74 15 18.00 W  
Height AMSL: 232.0 m  
HAAT: 0.0 m  
Peak ERP: 0.020 kW  
Antenna: JAM-JUHD-4/2(8) (ID 33869) 0.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

| Azimuth | ERP      | HAAT    | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.018 kW | 122.7 m | 12.8 km  |
| 45.0    | 0.018    | 176.4   | 15.1     |
| 90.0    | 0.015    | 210.8   | 15.8     |
| 135.0   | 0.000    | 207.4   | 7.2      |
| 180.0   | 0.000    | 192.9   | 5.0      |
| 225.0   | 0.000    | 104.4   | 3.8      |
| 270.0   | 0.000    | 152.8   | 4.5      |
| 315.0   | 0.009    | 161.0   | 12.5     |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 166 m

Distance to Canadian border: 378.9 km

Distance to Mexican border: 2657.6 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 231.3 degrees Distance: 283.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 278.7 degrees Distance: 2606.0 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%

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 Interference to BLANK0000034543 CP scenario 1

| Desired:           | Call    | Chan              | Svc | Status            | City, State      | File Number       | Distance       |
|--------------------|---------|-------------------|-----|-------------------|------------------|-------------------|----------------|
|                    | WEDH    | D30               | DT  | CP                | HARTFORD, CT     | BLANK0000034543   |                |
| Undesireds:        | WNMF-LD | D30               | LD  | CP                | ROSELAND, NJ     | BLANK0000072006   | 156.5 km       |
|                    | WNEU    | D29               | DT  | CP                | MERRIMACK, NH    | BLANK0000034700   | 148.0          |
|                    | WLNY-TV | D29               | DT  | CP                | RIVERHEAD, NY    | BLANK0000034023   | 89.9           |
|                    | WUTR    | D30               | DT  | LIC               | UTICA, NY        | BLCDT20040217ADC  | 250.3          |
|                    | KYW-TV  | D30               | DT  | CP                | PHILADELPHIA, PA | BLANK0000033618   | 274.1          |
|                    | WVIT    | D31               | DT  | CP                | NEW BRITAIN, CT  | BLANK0000074279   | 0.3            |
|                    | WNCE-CD | D31               | DC  | LIC               | GLENS FALLS, NY  | BLDTA20100812ABN  | 191.4          |
| Service area       |         | Terrain-limited   |     | IX-free, before   |                  | IX-free, after    | Percent New IX |
| 32651.3 5,339,771  |         | 28861.9 4,758,563 |     | 28085.5 4,559,738 |                  | 28085.5 4,559,738 | 0.00 0.00      |
| Undesired          |         | Total IX          |     | Unique IX, before |                  | Unique IX, after  |                |
| WNMF-LD D30 LD CP  |         | 3.0 237           |     |                   |                  | 0.0 0             |                |
| WNEU D29 DT CP     |         | 85.8 27,582       |     | 84.8 27,510       |                  | 84.8 27,510       |                |
| WLNY-TV D29 DT CP  |         | 253.6 80,311      |     | 137.5 34,914      |                  | 137.5 34,914      |                |
| WUTR D30 DT LIC    |         | 17.2 279          |     | 15.2 133          |                  | 15.2 133          |                |
| KYW-TV D30 DT CP   |         | 367.1 89,306      |     | 250.9 41,873      |                  | 247.9 41,636      |                |
| WVIT D31 DT CP     |         | 182.9 52,408      |     | 158.9 46,083      |                  | 158.9 46,083      |                |
| WNCE-CD D31 DC LIC |         | 2.0 14            |     | 2.0 14            |                  | 2.0 14            |                |

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 Interference to BLANK0000037827 LIC scenario 1

| Desired:           | Call    | Chan               | Svc | Status             | City, State    | File Number        | Distance       |
|--------------------|---------|--------------------|-----|--------------------|----------------|--------------------|----------------|
|                    | WFUT-DT | D30                | DT  | LIC                | NEWARK, NJ     | BLANK0000037827    |                |
| Undesireds:        | WNMF-LD | D30                | LD  | CP                 | ROSELAND, NJ   | BLANK0000072006    | 23.1 km        |
|                    | WIAV-CD | D30                | DC  | CP                 | WASHINGTON, DC | BLANK0000029340    | 331.9          |
|                    | WBZ-TV  | D30                | DT  | LIC                | BOSTON, MA     | BLCDT20060420ABG   | 287.1          |
|                    | WTIC-TV | D31                | DT  | LIC                | HARTFORD, CT   | BLCDT20101222AAE   | 143.5          |
|                    | WPPX-TV | D31                | DT  | LIC                | WILMINGTON, DE | BLCDT20031203AFL   | 131.8          |
| Service area       |         | Terrain-limited    |     | IX-free, before    |                | IX-free, after     | Percent New IX |
| 25876.5 19,985,090 |         | 24193.2 19,658,000 |     | 23934.6 19,600,098 |                | 23856.9 19,574,207 | 0.33 0.13      |
| Undesired          |         | Total IX           |     | Unique IX, before  |                | Unique IX, after   |                |
| WNMF-LD D30 LD CP  |         | 81.8 26,262        |     |                    |                | 77.8 25,891        |                |
| WIAV-CD D30 DC CP  |         | 1.0 32             |     | 0.0 0              |                | 0.0 0              |                |
| WBZ-TV D30 DT LIC  |         | 141.7 47,810       |     | 138.7 45,901       |                | 134.6 45,530       |                |
| WTIC-TV D31 DT LIC |         | 3.0 1,909          |     | 0.0 0              |                | 0.0 0              |                |
| WPPX-TV D31 DT LIC |         | 116.8 10,092       |     | 115.8 10,060       |                | 115.8 10,060       |                |

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 Interference to BLANK0000077919 APP scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State    | File Number      | Distance |
|-------------|---------|------|-----|--------|----------------|------------------|----------|
|             | WFUT-DT | D30  | DT  | APP    | NEWARK, NJ     | BLANK0000077919  |          |
| Undesireds: | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ   | BLANK0000072006  | 23.1 km  |
|             | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC | BLANK0000029340  | 331.9    |
|             | WBZ-TV  | D30  | DT  | LIC    | BOSTON, MA     | BLCDT20060420ABG | 287.1    |
|             | WTIC-TV | D31  | DT  | LIC    | HARTFORD, CT   | BLCDT20101222AAE | 143.5    |
|             | WPPX-TV | D31  | DT  | LIC    | WILMINGTON, DE | BLCDT20031203AFL | 131.8    |

| Service area       | Terrain-limited    | IX-free, before    | IX-free, after     | Percent New IX |
|--------------------|--------------------|--------------------|--------------------|----------------|
| 25876.5 19,985,090 | 24193.2 19,658,000 | 23934.6 19,600,098 | 23856.9 19,574,207 | 0.33 0.13      |

| Undesired          | Total IX     | Unique IX, before | Unique IX, after |
|--------------------|--------------|-------------------|------------------|
| WNMF-LD D30 LD CP  | 81.8 26,262  |                   | 77.8 25,891      |
| WIAV-CD D30 DC CP  | 1.0 32       | 0.0 0             | 0.0 0            |
| WBZ-TV D30 DT LIC  | 141.7 47,810 | 138.7 45,901      | 134.6 45,530     |
| WTIC-TV D31 DT LIC | 3.0 1,909    | 0.0 0             | 0.0 0            |
| WPPX-TV D31 DT LIC | 116.8 10,092 | 115.8 10,060      | 115.8 10,060     |

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Interference to BLANK0000054668 APP scenario 1

| Call                | Chan | Svc | Status | City, State      | File Number     | Distance |
|---------------------|------|-----|--------|------------------|-----------------|----------|
| Desired: WYXN-LD    | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 |          |
| Undesireds: WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 1.7 km   |
| W49BE-D             | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 53.0     |
| W31EF-D             | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.1     |
| WEDH                | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 154.9    |
| KYW-TV              | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 119.3    |

| Service area      | Terrain-limited   | IX-free, before   | IX-free, after    | Percent New IX |
|-------------------|-------------------|-------------------|-------------------|----------------|
| 4418.0 11,952,448 | 4030.7 11,797,665 | 3621.4 11,049,641 | 3562.5 10,888,831 | 1.63 1.46      |

| Undesired           | Total IX      | Unique IX, before | Unique IX, after |
|---------------------|---------------|-------------------|------------------|
| WNMF-LD D30 LD CP   | 124.9 255,545 |                   | 58.9 160,810     |
| W31EF-D D29+ LD APP | 9.0 3,942     | 4.0 2,168         | 2.0 713          |
| WEDH D30 DT CP      | 15.0 18,274   | 3.0 4,052         | 1.0 1,104        |
| KYW-TV D30 DT CP    | 402.3 741,804 | 385.3 725,808     | 327.4 637,952    |

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Interference to BLANK0000054668 APP scenario 2

| Call                | Chan | Svc | Status | City, State      | File Number     | Distance |
|---------------------|------|-----|--------|------------------|-----------------|----------|
| Desired: WYXN-LD    | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 |          |
| Undesireds: WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 1.7 km   |
| W49BE-D             | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 53.0     |
| WEDH                | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 154.9    |
| KYW-TV              | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 119.3    |

| Service area      | Terrain-limited   | IX-free, before   | IX-free, after    | Percent New IX |
|-------------------|-------------------|-------------------|-------------------|----------------|
| 4418.0 11,952,448 | 4030.7 11,797,665 | 3625.4 11,051,809 | 3564.5 10,889,544 | 1.68 1.47      |

| Undesired         | Total IX      | Unique IX, before | Unique IX, after |
|-------------------|---------------|-------------------|------------------|
| WNMF-LD D30 LD CP | 124.9 255,545 |                   | 60.9 162,265     |
| WEDH D30 DT CP    | 15.0 18,274   | 3.0 4,052         | 1.0 1,104        |
| KYW-TV D30 DT CP  | 402.3 741,804 | 390.3 727,582     | 331.4 639,726    |

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Interference to BLANK0000033618 CP scenario 1

| Call                | Chan | Svc | Status | City, State      | File Number      | Distance |
|---------------------|------|-----|--------|------------------|------------------|----------|
| Desired: KYW-TV     | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618  |          |
| Undesireds: WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006  | 117.7 km |
| WQMY                | D29  | DT  | LIC    | WILLIAMSPORT, PA | BLCDT20090223ABU | 204.1    |
| WEDH                | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543  | 274.1    |
| WIAV-CD             | D30  | DC  | CP     | WASHINGTON, DC   | BLANK0000029340  | 199.7    |
| WMPT                | D31  | DT  | BL     | ANNAPOLIS, MD    | DTVBL65942       | 164.0    |
| WTFX-TV             | D31  | DT  | CP     | PHILADELPHIA, PA | BLANK0000034830  | 0.4      |

| Service area       | Terrain-limited    | IX-free, before    | IX-free, after     | Percent New IX |
|--------------------|--------------------|--------------------|--------------------|----------------|
| 34688.6 11,224,140 | 33456.4 11,029,286 | 33294.2 10,989,711 | 33277.2 10,972,617 | 0.05 0.16      |

| Undesired         | Total IX     | Unique IX, before | Unique IX, after |
|-------------------|--------------|-------------------|------------------|
| WNMF-LD D30 LD CP | 27.9 29,362  |                   | 16.9 17,094      |
| WEDH D30 DT CP    | 18.9 14,501  | 14.0 13,563       | 7.0 2,455        |
| WIAV-CD D30 DC CP | 119.4 20,766 | 73.9 11,077       | 72.9 10,826      |
| WMPT D31 DT BL    | 52.4 11,440  | 11.9 2,689        | 11.9 2,689       |



WTXF-TV D31 DT CP 16.9 2,557 16.9 2,557 16.9 2,557

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Interference to proposal scenario 1

\*\*MX: 91.74% interference received

|             | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
| Desired:    | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 |          |
| Undesireds: | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5 km  |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.6     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 1.7      |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |

| Service area  | Terrain-limited | IX-free     | Percent IX  |
|---------------|-----------------|-------------|-------------|
| 362.3 832,821 | 328.6 812,956   | 41.7 67,159 | 87.31 91.74 |

| Undesired          | Total IX      | Unique IX     | Prcnt Unique IX |
|--------------------|---------------|---------------|-----------------|
| WEDH D30 DT CP     | 2.0 1,636     | 1.0 1,113     | 0.30 0.14       |
| WYXN-LD D30 LD APP | 284.9 743,972 | 227.3 610,724 | 69.19 75.12     |
| KYW-TV D30 DT CP   | 58.6 133,960  | 1.0 712       | 0.30 0.09       |

## EXHIBIT 5

This is the study of WYXN-LD's displacement application, file # 0000054668, the only application included from the MX Group 51, since only one application can win at auction, and assumes WYXN-LD wins the auction. Since the other MX Group 51 applications are not considered they do not mask the predicted interference from WYXN-LD to WNMF-LD's construction permit, file # 0000072006, and to WNMF-LD's application for modification of that construction permit, file # 0000078092. The predicted interference to 90.09% of WNMF-LD's construction permit is fatal to WNYN-LD's auction application. It can not be amended in any manner to remove that predicted interference. Therefore, WYXN-LD's auction application becomes worthless as a direct result of the WNMF-LD construction permit.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: **WYXN-LD** 30 AP exc Grp51 and PXN, Model: Longley-Rice  
Start: 2019.07.10 11:53:25

Study created: 2019.07.10 11:53:25

Study build station data: LMS TV 2019-07-10

Proposal: WYXN-LD D30 LD APP \*P NEW YORK, NY  
File number: BLANK0000054668  
Facility ID: 38945  
Station data: LMS TV 2019-07-10  
Record ID: 25076f916810e1fa0168388a056219df  
Country: U.S.

Build options:  
Protect baseline records from LPTV

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Individual records excluded:

0000037694 WPXN-TV D31 DT LIC NEW YORK, NY BLANK0000037694 - Transition away Phase 4 - 8/2/19  
0000048135 WNYN-LD D30 LD APP \*P NEW YORK, NY BLANK0000048135 - MX Group 51  
0000054804 W34DI-D D31+ LD APP \*P NEW YORK, NY BLANK0000054804 - MX Group 51  
0000054813 WNJJ-LD D30 LD APP \*P PATERSON, NJ BLANK0000054813 - MX Group 51

Stations potentially affected by proposal:

| IX  | Call    | Chan | Svc | Status | City, State             | File Number      | Distance |
|-----|---------|------|-----|--------|-------------------------|------------------|----------|
| No  | WNYJ-LD | N26- | TX  | LIC    | New York, NY            | BLTTL20070223AHI | 72.1 km  |
| No  | WTXX-LD | D29  | LD  | CP     | SPRINGFIELD, MA         | BLANK0000053148  | 163.9    |
| No  | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ       | BLANK0000051787  | 124.0    |
| No  | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ        | BLANK0000066998  | 53.0     |
| No  | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ        | BLANK0000074735  | 53.0     |
| Yes | W31EF-D | D29+ | LD  | APP    | West Orange, NJ         | BLANK0000054807  | 24.1     |
| Yes | WPXU-LD | D29  | LD  | APP    | New york city, NY       | BLANK0000051706  | 23.8     |
| Yes | WLNJ-TV | D29  | DT  | CP     | RIVERHEAD, NY           | BLANK0000034023  | 112.4    |
| No  | WRGB    | D29  | LD  | CP     | SCHENECTADY, NY         | BLANK0000054897  | 130.0    |
| No  | WKTV    | D29  | DT  | LIC    | UTICA, NY               | BLCDT20060630ACL | 262.1    |
| No  | W29EU-D | D29  | LD  | LIC    | CLARKS SUMMIT, ETC., PA | BLANK0000060867  | 141.4    |
| No  | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA        | BLANK0000051711  | 119.3    |
| No  | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA        | BLCDT20090223ABU | 245.1    |
| No  | WQMY    | D29  | DT  | APP    | WILLIAMSPORT, PA        | BLANK0000035754  | 245.1    |
| Yes | WEDH    | D30  | DT  | CP     | HARTFORD, CT            | BLANK0000034543  | 154.9    |
| No  | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC          | BLANK0000029340  | 318.3    |

|     |         |      |    |     |                      |                    |       |
|-----|---------|------|----|-----|----------------------|--------------------|-------|
| No  | WCRN-LD | D30+ | LD | CP  | BOSTON, MA           | BLANK0000071754    | 289.5 |
| No  | W30DT-D | D30  | LD | CP  | SALISBURY, MD        | BDCCDTL20120628AAS | 293.0 |
| Yes | WNMF-LD | D30  | LD | CP  | ROSELAND, NJ         | BLANK0000072006    | 1.7   |
| No  | WYDC    | D30  | DT | CP  | CORNING, NY          | BLANK0000034651    | 278.9 |
| Yes | W30AZ-D | D30  | LD | LIC | ELLENVILLE, NY       | BLDTL20141229AGO   | 102.3 |
| No  | W30BW   | N30+ | TX | LIC | OLEAN, NY            | BLTT20020307ABR    | 374.4 |
| No  | WAWW-LP | D30- | LD | APP | ROCHESTER, NY        | BLANK0000054618    | 378.6 |
| No  | WUTR    | D30  | DT | LIC | UTICA, NY            | BLCDT20040217ADC   | 271.5 |
| No  | WPCW    | D30  | LD | CP  | JEANNETTE, PA        | BLANK0000053374    | 418.5 |
| No  | WPCW    | D30  | LD | LIC | JEANNETTE, PA        | BLANK0000064153    | 418.5 |
| Yes | W43CO-D | D30  | LD | CP  | KINGSTON, PA         | BLANK0000054197    | 149.0 |
| Yes | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA     | BLANK0000033618    | 119.3 |
| No  | WELL-LD | D30  | LD | LIC | PHILADELPHIA, PA     | BLDTL20100208AAC   | 119.3 |
| No  | WDCO-CD | D30  | DC | BL  | WOODSTOCK, VA        | DTVBL57905         | 364.4 |
| No  | W30DM-D | D30  | LD | LIC | MANCHESTER, ETC., VT | BLDTT20111118ARB   | 278.8 |
| No  | WVIT    | D31  | DT | CP  | NEW BRITAIN, CT      | BLANK0000074279    | 154.7 |
| Yes | W31EF-D | D31+ | LD | LIC | West Orange, NJ      | BLANK0000049440    | 1.7   |
| No  | WSKG-TV | D31  | DT | CP  | BINGHAMTON, NY       | BLANK0000028130    | 199.1 |
| No  | W31BP   | D31+ | LD | CP  | BURLINGTON, ETC., NY | BLANK0000054409    | 225.3 |
| No  | WTFX-TV | D31  | DT | CP  | PHILADELPHIA, PA     | BLANK0000034830    | 119.2 |
| No  | W32EI-D | N32- | TX | LIC | West Orange, NJ      | BLTTL20121024AAB   | 72.1  |
| No  | W34DI-D | N34+ | TX | LIC | NEW YORK, NY         | BLTTL20070223AHK   | 72.1  |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 40 48 7.60 N (NAD83)  
Longitude: 74 14 45.50 W  
Height AMSL: 270.6 m  
HAAT: 0.0 m  
Peak ERP: 9.00 kW  
Antenna: Dielectric-Custom Panel (ID 1004536) 0.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

| Azimuth | ERP     | HAAT    | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 9.00 kW | 167.9 m | 46.1 km  |
| 45.0    | 9.00    | 221.2   | 49.2     |
| 90.0    | 9.00    | 251.5   | 50.9     |
| 135.0   | 5.06    | 251.9   | 47.9     |
| 180.0   | 0.000   | 227.0   | 5.6      |
| 225.0   | 0.000   | 144.0   | 4.5      |
| 270.0   | 0.000   | 192.4   | 7.6      |
| 315.0   | 9.00    | 194.7   | 47.7     |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 206 m

Distance to Canadian border: 378.1 km

Distance to Mexican border: 2659.1 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 231.2 degrees Distance: 284.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 278.7 degrees Distance: 2606.5 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%

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Interference to BLANK0000054807 APP scenario 1

|              | Call        | Chan            | Svc       | Status            | City, State       | File Number      | Distance       |
|--------------|-------------|-----------------|-----------|-------------------|-------------------|------------------|----------------|
| Desired:     | W31EF-D     | D29+            | LD        | APP               | West Orange, NJ   | BLANK0000054807  |                |
| Undesireds:  | WYXN-LD     | D30             | LD        | APP               | NEW YORK, NY      | BLANK0000054668  | 24.1 km        |
|              | W28ES-D     | D28z            | LD        | LIC               | New York, NY      | BLANK0000052790  | 24.6           |
|              | WNYJ-LD     | D28-            | LD        | CP                | New York, NY      | BLANK0000067908  | 23.5           |
|              | W45CP-D     | D29             | LD        | CP                | ATLANTIC CITY, NJ | BLANK0000051787  | 125.5          |
|              | W49BE-D     | D29z            | LD        | CP                | HACKETTSTOWN, NJ  | BLANK0000066998  | 77.0           |
|              | WPXU-LD     | D29             | LD        | APP               | New york city, NY | BLANK0000051706  | 1.1            |
|              | WLNY-TV     | D29             | DT        | CP                | RIVERHEAD, NY     | BLANK0000034023  | 90.0           |
|              | WELL-LD     | D29             | LD        | CP                | PHILADELPHIA, PA  | BLANK0000051711  | 133.6          |
|              | WQMY        | D29             | DT        | LIC               | WILLIAMSPORT, PA  | BLCDT20090223ABU | 269.2          |
| Service area |             | Terrain-limited |           | IX-free, before   |                   | IX-free, after   | Percent New IX |
| 3117.4       | 5,898,408   | 2975.5          | 5,750,533 | 1626.7            | 3,431,025         | 1615.7 3,425,240 | 0.67 0.17      |
| Undesired    |             | Total IX        |           | Unique IX, before |                   | Unique IX, after |                |
| WYXN-LD      | D30 LD APP  | 91.3            | 59,955    |                   |                   | 10.9 5,785       |                |
| W28ES-D      | D28z LD LIC | 2.0             | 1,044     | 1.0               | 544               | 1.0 544          |                |
| WNYJ-LD      | D28- LD CP  | 11.1            | 6,390     | 0.0               | 0                 | 0.0 0            |                |
| W45CP-D      | D29 LD CP   | 1.0             | 406       | 0.0               | 0                 | 0.0 0            |                |
| W49BE-D      | D29z LD CP  | 30.8            | 12,120    | 3.0               | 1,516             | 1.0 0            |                |
| WPXU-LD      | D29 LD APP  | 979.1           | 2,116,730 | 716.1             | 1,643,906         | 708.1 1,636,334  |                |
| WLNY-TV      | D29 DT CP   | 616.6           | 666,943   | 355.8             | 198,073           | 301.2 161,668    |                |
| WELL-LD      | D29 LD CP   | 4.0             | 912       | 0.0               | 0                 | 0.0 0            |                |

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Interference to BLANK0000054807 APP scenario 2

|              | Call        | Chan            | Svc       | Status            | City, State       | File Number      | Distance       |
|--------------|-------------|-----------------|-----------|-------------------|-------------------|------------------|----------------|
| Desired:     | W31EF-D     | D29+            | LD        | APP               | West Orange, NJ   | BLANK0000054807  |                |
| Undesireds:  | WYXN-LD     | D30             | LD        | APP               | NEW YORK, NY      | BLANK0000054668  | 24.1 km        |
|              | W28ES-D     | D28z            | LD        | LIC               | New York, NY      | BLANK0000052790  | 24.6           |
|              | WNYJ-LD     | D28-            | LD        | CP                | New York, NY      | BLANK0000067908  | 23.5           |
|              | W45CP-D     | D29             | LD        | CP                | ATLANTIC CITY, NJ | BLANK0000051787  | 125.5          |
|              | W49BE-D     | D29z            | LD        | CP                | HACKETTSTOWN, NJ  | BLANK0000066998  | 77.0           |
|              | WPXU-LD     | D29             | LD        | APP               | New york city, NY | BLANK0000051706  | 1.1            |
|              | WLNY-TV     | D29             | DT        | CP                | RIVERHEAD, NY     | BLANK0000034023  | 90.0           |
|              | WQMY        | D29             | DT        | LIC               | WILLIAMSPORT, PA  | BLCDT20090223ABU | 269.2          |
| Service area |             | Terrain-limited |           | IX-free, before   |                   | IX-free, after   | Percent New IX |
| 3117.4       | 5,898,408   | 2975.5          | 5,750,533 | 1626.7            | 3,431,025         | 1615.7 3,425,240 | 0.67 0.17      |
| Undesired    |             | Total IX        |           | Unique IX, before |                   | Unique IX, after |                |
| WYXN-LD      | D30 LD APP  | 91.3            | 59,955    |                   |                   | 10.9 5,785       |                |
| W28ES-D      | D28z LD LIC | 2.0             | 1,044     | 1.0               | 544               | 1.0 544          |                |
| WNYJ-LD      | D28- LD CP  | 11.1            | 6,390     | 0.0               | 0                 | 0.0 0            |                |
| W45CP-D      | D29 LD CP   | 1.0             | 406       | 0.0               | 0                 | 0.0 0            |                |
| W49BE-D      | D29z LD CP  | 30.8            | 12,120    | 3.0               | 1,516             | 1.0 0            |                |
| WPXU-LD      | D29 LD APP  | 979.1           | 2,116,730 | 716.1             | 1,643,906         | 708.1 1,636,334  |                |
| WLNY-TV      | D29 DT CP   | 616.6           | 666,943   | 357.8             | 198,837           | 303.2 162,432    |                |

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Interference to BLANK0000054807 APP scenario 3

|             | Call    | Chan | Svc | Status | City, State       | File Number     | Distance |
|-------------|---------|------|-----|--------|-------------------|-----------------|----------|
| Desired:    | W31EF-D | D29+ | LD  | APP    | West Orange, NJ   | BLANK0000054807 |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY      | BLANK0000054668 | 24.1 km  |
|             | W28ES-D | D28z | LD  | LIC    | New York, NY      | BLANK0000052790 | 24.6     |
|             | WNYJ-LD | D28- | LD  | CP     | New York, NY      | BLANK0000067908 | 23.5     |
|             | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ | BLANK0000051787 | 125.5    |
|             | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ  | BLANK0000074735 | 77.0     |
|             | WPXU-LD | D29  | LD  | APP    | New york city, NY | BLANK0000051706 | 1.1      |
|             | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY     | BLANK0000034023 | 90.0     |
|             | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA  | BLANK0000051711 | 133.6    |

|                     |                 |           |                   |                  |                  |           |                |
|---------------------|-----------------|-----------|-------------------|------------------|------------------|-----------|----------------|
| WQMY                | D29             | DT        | LIC               | WILLIAMSPORT, PA | BLCDT20090223ABU | 269.2     |                |
| Service area        | Terrain-limited |           | IX-free, before   |                  | IX-free, after   |           | Percent New IX |
| 3117.4 5,898,408    | 2975.5          | 5,750,533 | 1626.7            | 3,431,025        | 1615.7           | 3,425,240 | 0.67 0.17      |
| Undesired           | Total IX        |           | Unique IX, before |                  | Unique IX, after |           |                |
| WYXN-LD D30 LD APP  | 91.3            | 59,955    |                   |                  | 10.9             | 5,785     |                |
| W28ES-D D28z LD LIC | 2.0             | 1,044     | 1.0               | 544              | 1.0              | 544       |                |
| WNYJ-LD D28- LD CP  | 11.1            | 6,390     | 0.0               | 0                | 0.0              | 0         |                |
| W45CP-D D29 LD CP   | 1.0             | 406       | 0.0               | 0                | 0.0              | 0         |                |
| W49BE-D D29z LD LIC | 30.8            | 12,120    | 3.0               | 1,516            | 1.0              | 0         |                |
| WPXU-LD D29 LD APP  | 979.1           | 2,116,730 | 716.1             | 1,643,906        | 708.1            | 1,636,334 |                |
| WLNY-TV D29 DT CP   | 616.6           | 666,943   | 355.8             | 198,073          | 301.2            | 161,668   |                |
| WELL-LD D29 LD CP   | 4.0             | 912       | 0.0               | 0                | 0.0              | 0         |                |

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Interference to BLANK0000054807 APP scenario 4

|             |         |      |     |        |                   |                  |          |
|-------------|---------|------|-----|--------|-------------------|------------------|----------|
| Desired:    | Call    | Chan | Svc | Status | City, State       | File Number      | Distance |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ   | BLANK0000054807  |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY      | BLANK0000054668  | 24.1 km  |
|             | W28ES-D | D28z | LD  | LIC    | New York, NY      | BLANK0000052790  | 24.6     |
|             | WNYJ-LD | D28- | LD  | CP     | New York, NY      | BLANK0000067908  | 23.5     |
|             | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ | BLANK0000051787  | 125.5    |
|             | W49BE-D | D29z | LD  | LIC    | HACKETTSTOWN, NJ  | BLANK0000074735  | 77.0     |
|             | WPXU-LD | D29  | LD  | APP    | New york city, NY | BLANK0000051706  | 1.1      |
|             | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY     | BLANK0000034023  | 90.0     |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA  | BLCDT20090223ABU | 269.2    |

|                     |                 |           |                   |           |                  |           |                |
|---------------------|-----------------|-----------|-------------------|-----------|------------------|-----------|----------------|
| Service area        | Terrain-limited |           | IX-free, before   |           | IX-free, after   |           | Percent New IX |
| 3117.4 5,898,408    | 2975.5          | 5,750,533 | 1626.7            | 3,431,025 | 1615.7           | 3,425,240 | 0.67 0.17      |
| Undesired           | Total IX        |           | Unique IX, before |           | Unique IX, after |           |                |
| WYXN-LD D30 LD APP  | 91.3            | 59,955    |                   |           | 10.9             | 5,785     |                |
| W28ES-D D28z LD LIC | 2.0             | 1,044     | 1.0               | 544       | 1.0              | 544       |                |
| WNYJ-LD D28- LD CP  | 11.1            | 6,390     | 0.0               | 0         | 0.0              | 0         |                |
| W45CP-D D29 LD CP   | 1.0             | 406       | 0.0               | 0         | 0.0              | 0         |                |
| W49BE-D D29z LD LIC | 30.8            | 12,120    | 3.0               | 1,516     | 1.0              | 0         |                |
| WPXU-LD D29 LD APP  | 979.1           | 2,116,730 | 716.1             | 1,643,906 | 708.1            | 1,636,334 |                |
| WLNY-TV D29 DT CP   | 616.6           | 666,943   | 357.8             | 198,837   | 303.2            | 162,432   |                |

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Interference to BLANK0000051706 APP scenario 1

|             |         |      |     |        |                   |                  |          |
|-------------|---------|------|-----|--------|-------------------|------------------|----------|
| Desired:    | Call    | Chan | Svc | Status | City, State       | File Number      | Distance |
|             | WPXU-LD | D29  | LD  | APP    | New york city, NY | BLANK0000051706  |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY      | BLANK0000054668  | 23.8 km  |
|             | W45CP-D | D29  | LD  | CP     | ATLANTIC CITY, NJ | BLANK0000051787  | 126.4    |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ  | BLANK0000066998  | 76.8     |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ   | BLANK0000054807  | 1.1      |
|             | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY     | BLANK0000034023  | 89.8     |
|             | WELL-LD | D29  | LD  | CP     | PHILADELPHIA, PA  | BLANK0000051711  | 134.1    |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA  | BLCDT20090223ABU | 268.9    |

|                     |                 |           |                   |           |                  |           |                |
|---------------------|-----------------|-----------|-------------------|-----------|------------------|-----------|----------------|
| Service area        | Terrain-limited |           | IX-free, before   |           | IX-free, after   |           | Percent New IX |
| 1289.0 6,844,956    | 1269.1          | 6,809,193 | 225.8             | 2,221,988 | 225.8            | 2,221,988 | 0.00 0.00      |
| Undesired           | Total IX        |           | Unique IX, before |           | Unique IX, after |           |                |
| WYXN-LD D30 LD APP  | 2.0             | 39,660    |                   |           | 0.0              | 0         |                |
| W45CP-D D29 LD CP   | 1.0             | 876       | 0.0               | 0         | 0.0              | 0         |                |
| W49BE-D D29z LD CP  | 1.0             | 474       | 0.0               | 0         | 0.0              | 0         |                |
| W31EF-D D29+ LD APP | 909.9           | 3,657,481 | 596.9             | 2,075,584 | 596.9            | 2,075,584 |                |
| WLNY-TV D29 DT CP   | 445.4           | 2,510,745 | 133.4             | 929,724   | 132.4            | 891,485   |                |
| WELL-LD D29 LD CP   | 1.0             | 474       | 0.0               | 0         | 0.0              | 0         |                |

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Interference to BLANK0000051706 APP scenario 2

|      |      |     |        |             |             |          |
|------|------|-----|--------|-------------|-------------|----------|
| Call | Chan | Svc | Status | City, State | File Number | Distance |
|------|------|-----|--------|-------------|-------------|----------|

|              |             |                 |           |                   |                   |                  |                |
|--------------|-------------|-----------------|-----------|-------------------|-------------------|------------------|----------------|
| Desired:     | WPXU-LD     | D29             | LD        | APP               | New york city, NY | BLANK0000051706  |                |
| Undesireds:  | WYXN-LD     | D30             | LD        | APP               | NEW YORK, NY      | BLANK0000054668  | 23.8 km        |
|              | W45CP-D     | D29             | LD        | CP                | ATLANTIC CITY, NJ | BLANK0000051787  | 126.4          |
|              | W49BE-D     | D29z            | LD        | CP                | HACKETTSTOWN, NJ  | BLANK0000066998  | 76.8           |
|              | W31EF-D     | D29+            | LD        | APP               | West Orange, NJ   | BLANK0000054807  | 1.1            |
|              | WLNY-TV     | D29             | DT        | CP                | RIVERHEAD, NY     | BLANK0000034023  | 89.8           |
|              | WQMY        | D29             | DT        | LIC               | WILLIAMSPORT, PA  | BLCDT20090223ABU | 268.9          |
| Service area |             | Terrain-limited |           | IX-free, before   |                   | IX-free, after   | Percent New IX |
| 1289.0       | 6,844,956   | 1269.1          | 6,809,193 | 225.8             | 2,221,988         | 225.8 2,221,988  | 0.00 0.00      |
| Undesired    |             | Total IX        |           | Unique IX, before |                   | Unique IX, after |                |
| WYXN-LD      | D30 LD APP  | 2.0             | 39,660    |                   |                   | 0.0 0            |                |
| W45CP-D      | D29 LD CP   | 1.0             | 876       | 0.0               | 0                 | 0.0 0            |                |
| W49BE-D      | D29z LD CP  | 1.0             | 474       | 0.0               | 0                 | 0.0 0            |                |
| W31EF-D      | D29+ LD APP | 909.9           | 3,657,481 | 596.9             | 2,075,584         | 596.9 2,075,584  |                |
| WLNY-TV      | D29 DT CP   | 445.4           | 2,510,745 | 133.4             | 929,724           | 132.4 891,485    |                |

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Interference to BLANK0000051706 APP scenario 3

|              |             |                 |           |                   |                   |                  |                |
|--------------|-------------|-----------------|-----------|-------------------|-------------------|------------------|----------------|
| Desired:     | Call        | Chan            | Svc       | Status            | City, State       | File Number      | Distance       |
|              | WPXU-LD     | D29             | LD        | APP               | New york city, NY | BLANK0000051706  |                |
| Undesireds:  | WYXN-LD     | D30             | LD        | APP               | NEW YORK, NY      | BLANK0000054668  | 23.8 km        |
|              | W45CP-D     | D29             | LD        | CP                | ATLANTIC CITY, NJ | BLANK0000051787  | 126.4          |
|              | W49BE-D     | D29z            | LD        | LIC               | HACKETTSTOWN, NJ  | BLANK0000074735  | 76.8           |
|              | W31EF-D     | D29+            | LD        | APP               | West Orange, NJ   | BLANK0000054807  | 1.1            |
|              | WLNY-TV     | D29             | DT        | CP                | RIVERHEAD, NY     | BLANK0000034023  | 89.8           |
|              | WELL-LD     | D29             | LD        | CP                | PHILADELPHIA, PA  | BLANK0000051711  | 134.1          |
|              | WQMY        | D29             | DT        | LIC               | WILLIAMSPORT, PA  | BLCDT20090223ABU | 268.9          |
| Service area |             | Terrain-limited |           | IX-free, before   |                   | IX-free, after   | Percent New IX |
| 1289.0       | 6,844,956   | 1269.1          | 6,809,193 | 225.8             | 2,221,988         | 225.8 2,221,988  | 0.00 0.00      |
| Undesired    |             | Total IX        |           | Unique IX, before |                   | Unique IX, after |                |
| WYXN-LD      | D30 LD APP  | 2.0             | 39,660    |                   |                   | 0.0 0            |                |
| W45CP-D      | D29 LD CP   | 1.0             | 876       | 0.0               | 0                 | 0.0 0            |                |
| W49BE-D      | D29z LD LIC | 1.0             | 474       | 0.0               | 0                 | 0.0 0            |                |
| W31EF-D      | D29+ LD APP | 909.9           | 3,657,481 | 596.9             | 2,075,584         | 596.9 2,075,584  |                |
| WLNY-TV      | D29 DT CP   | 445.4           | 2,510,745 | 133.4             | 929,724           | 132.4 891,485    |                |
| WELL-LD      | D29 LD CP   | 1.0             | 474       | 0.0               | 0                 | 0.0 0            |                |

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Interference to BLANK0000051706 APP scenario 4

|              |             |                 |           |                   |                   |                  |                |
|--------------|-------------|-----------------|-----------|-------------------|-------------------|------------------|----------------|
| Desired:     | Call        | Chan            | Svc       | Status            | City, State       | File Number      | Distance       |
|              | WPXU-LD     | D29             | LD        | APP               | New york city, NY | BLANK0000051706  |                |
| Undesireds:  | WYXN-LD     | D30             | LD        | APP               | NEW YORK, NY      | BLANK0000054668  | 23.8 km        |
|              | W45CP-D     | D29             | LD        | CP                | ATLANTIC CITY, NJ | BLANK0000051787  | 126.4          |
|              | W49BE-D     | D29z            | LD        | LIC               | HACKETTSTOWN, NJ  | BLANK0000074735  | 76.8           |
|              | W31EF-D     | D29+            | LD        | APP               | West Orange, NJ   | BLANK0000054807  | 1.1            |
|              | WLNY-TV     | D29             | DT        | CP                | RIVERHEAD, NY     | BLANK0000034023  | 89.8           |
|              | WQMY        | D29             | DT        | LIC               | WILLIAMSPORT, PA  | BLCDT20090223ABU | 268.9          |
| Service area |             | Terrain-limited |           | IX-free, before   |                   | IX-free, after   | Percent New IX |
| 1289.0       | 6,844,956   | 1269.1          | 6,809,193 | 225.8             | 2,221,988         | 225.8 2,221,988  | 0.00 0.00      |
| Undesired    |             | Total IX        |           | Unique IX, before |                   | Unique IX, after |                |
| WYXN-LD      | D30 LD APP  | 2.0             | 39,660    |                   |                   | 0.0 0            |                |
| W45CP-D      | D29 LD CP   | 1.0             | 876       | 0.0               | 0                 | 0.0 0            |                |
| W49BE-D      | D29z LD LIC | 1.0             | 474       | 0.0               | 0                 | 0.0 0            |                |
| W31EF-D      | D29+ LD APP | 909.9           | 3,657,481 | 596.9             | 2,075,584         | 596.9 2,075,584  |                |
| WLNY-TV      | D29 DT CP   | 445.4           | 2,510,745 | 133.4             | 929,724           | 132.4 891,485    |                |

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Interference to BLANK0000034023 CP scenario 1

|      |      |     |        |             |             |          |
|------|------|-----|--------|-------------|-------------|----------|
| Call | Chan | Svc | Status | City, State | File Number | Distance |
|------|------|-----|--------|-------------|-------------|----------|

|             |         |     |    |     |                  |                  |          |
|-------------|---------|-----|----|-----|------------------|------------------|----------|
| Desired:    | WLNY-TV | D29 | DT | CP  | RIVERHEAD, NY    | BLANK0000034023  |          |
| Undesireds: | WYXN-LD | D30 | LD | APP | NEW YORK, NY     | BLANK0000054668  | 112.4 km |
|             | WHPX-TV | D28 | DT | CP  | NEW LONDON, CT   | BLANK0000063882  | 89.9     |
|             | WNEU    | D29 | DT | CP  | MERRIMACK, NH    | BLANK0000034700  | 210.0    |
|             | WKTV    | D29 | DT | LIC | UTICA, NY        | BLCDT20060630ACL | 296.7    |
|             | WQMY    | D29 | DT | LIC | WILLIAMSPORT, PA | BLCDT20090223ABU | 354.0    |
|             | WEDH    | D30 | DT | CP  | HARTFORD, CT     | BLANK0000034543  | 89.9     |

|  |              |           |                 |           |                 |           |                |           |                |
|--|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|
|  | Service area |           | Terrain-limited |           | IX-free, before |           | IX-free, after |           | Percent New IX |
|  | 16375.8      | 7,386,622 | 16194.6         | 7,308,935 | 16019.6         | 7,237,299 | 16015.6        | 7,229,056 | 0.02 0.11      |

|                    |       |     |          |      |                   |      |                  |
|--------------------|-------|-----|----------|------|-------------------|------|------------------|
| Undesired          |       |     | Total IX |      | Unique IX, before |      | Unique IX, after |
| WYXN-LD D30 LD APP |       | 5.0 | 14,770   |      |                   | 4.0  | 8,243            |
| WHPX-TV D28 DT CP  | 160.9 |     | 58,732   | 40.2 | 21,787            | 40.2 | 21,787           |
| WNEU D29 DT CP     | 6.0   |     | 6,868    | 3.0  | 6,545             | 2.0  | 18               |
| WKTV D29 DT LIC    | 17.1  |     | 7,151    | 8.1  | 5,933             | 8.1  | 5,933            |
| WEDH D30 DT CP     | 122.7 |     | 37,206   | 0.0  | 0                 | 0.0  | 0                |

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Interference to BLANK0000034543 CP scenario 1

|             |         |      |     |        |                  |                  |          |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
|             | Call    | Chan | Svc | Status | City, State      | File Number      | Distance |
| Desired:    | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543  |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668  | 154.9 km |
|             | WNEU    | D29  | DT  | CP     | MERRIMACK, NH    | BLANK0000034700  | 148.0    |
|             | WLNY-TV | D29  | DT  | CP     | RIVERHEAD, NY    | BLANK0000034023  | 89.9     |
|             | WUTR    | D30  | DT  | LIC    | UTICA, NY        | BLCDT20040217ADC | 250.3    |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618  | 274.1    |
|             | WVIT    | D31  | DT  | CP     | NEW BRITAIN, CT  | BLANK0000074279  | 0.3      |
|             | WNCE-CD | D31  | DC  | LIC    | GLENS FALLS, NY  | BLDTA20100812ABN | 191.4    |

|  |              |           |                 |           |                 |           |                |           |                |
|--|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|
|  | Service area |           | Terrain-limited |           | IX-free, before |           | IX-free, after |           | Percent New IX |
|  | 32651.3      | 5,339,771 | 28861.9         | 4,758,563 | 28085.5         | 4,559,738 | 28030.1        | 4,550,782 | 0.20 0.20      |

|                    |       |  |          |       |                   |       |                  |
|--------------------|-------|--|----------|-------|-------------------|-------|------------------|
| Undesired          |       |  | Total IX |       | Unique IX, before |       | Unique IX, after |
| WYXN-LD D30 LD APP | 257.0 |  | 41,635   |       |                   | 55.4  | 8,956            |
| WNEU D29 DT CP     | 85.8  |  | 27,582   | 84.8  | 27,510            | 80.8  | 26,816           |
| WLNY-TV D29 DT CP  | 253.6 |  | 80,311   | 137.5 | 34,914            | 94.0  | 33,252           |
| WUTR D30 DT LIC    | 17.2  |  | 279      | 15.2  | 133               | 15.2  | 133              |
| KYW-TV D30 DT CP   | 367.1 |  | 89,306   | 250.9 | 41,873            | 147.3 | 24,631           |
| WVIT D31 DT CP     | 182.9 |  | 52,408   | 158.9 | 46,083            | 154.8 | 45,611           |
| WNCE-CD D31 DC LIC | 2.0   |  | 14       | 2.0   | 14                | 2.0   | 14               |

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Interference to BLANK0000072006 CP scenario 1

\*\*IX: 90.09% interference caused

|             |         |      |     |        |                  |                 |          |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
| Desired:    | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 | 1.7 km   |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 52.5     |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.6     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 156.5    |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 117.7    |

|  |              |         |                 |         |                 |         |                |        |                |
|--|--------------|---------|-----------------|---------|-----------------|---------|----------------|--------|----------------|
|  | Service area |         | Terrain-limited |         | IX-free, before |         | IX-free, after |        | Percent New IX |
|  | 362.3        | 832,821 | 328.6           | 812,956 | 269.0           | 677,883 | 41.7           | 67,159 | 84.50 90.09    |

|                    |       |  |          |      |                   |       |                  |
|--------------------|-------|--|----------|------|-------------------|-------|------------------|
| Undesired          |       |  | Total IX |      | Unique IX, before |       | Unique IX, after |
| WYXN-LD D30 LD APP | 284.9 |  | 743,972  |      |                   | 227.3 | 610,724          |
| WEDH D30 DT CP     | 2.0   |  | 1,636    | 1.0  | 1,113             | 1.0   | 1,113            |
| KYW-TV D30 DT CP   | 58.6  |  | 133,960  | 57.6 | 133,437           | 1.0   | 712              |

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Interference to BLDLTL20141229AGO LIC scenario 1

|  |      |      |     |        |             |             |          |
|--|------|------|-----|--------|-------------|-------------|----------|
|  | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--|------|------|-----|--------|-------------|-------------|----------|



|             |         |      |    |     |                  |                  |          |
|-------------|---------|------|----|-----|------------------|------------------|----------|
| Desired:    | W30AZ-D | D30  | LD | LIC | ELLENVILLE, NY   | BLDTL20141229AGO |          |
| Undesireds: | WYXN-LD | D30  | LD | APP | NEW YORK, NY     | BLANK0000054668  | 102.3 km |
|             | W49BE-D | D29z | LD | CP  | HACKETTSTOWN, NJ | BLANK0000066998  | 91.2     |
|             | WEDH    | D30  | DT | CP  | HARTFORD, CT     | BLANK0000034543  | 154.0    |
|             | WYDC    | D30  | DT | CP  | CORNING, NY      | BLANK0000034651  | 204.9    |
|             | KYW-TV  | D30  | DT | CP  | PHILADELPHIA, PA | BLANK0000033618  | 185.8    |

|              |        |                 |        |                 |        |                |        |                |
|--------------|--------|-----------------|--------|-----------------|--------|----------------|--------|----------------|
| Service area |        | Terrain-limited |        | IX-free, before |        | IX-free, after |        | Percent New IX |
| 224.6        | 14,345 | 203.5           | 13,164 | 194.5           | 11,403 | 194.5          | 11,403 | 0.00 0.00      |

|                    |     |          |     |                   |     |                  |  |
|--------------------|-----|----------|-----|-------------------|-----|------------------|--|
| Undesired          |     | Total IX |     | Unique IX, before |     | Unique IX, after |  |
| WYXN-LD D30 LD APP | 3.0 | 91       |     |                   | 0.0 | 0                |  |
| WEDH D30 DT CP     | 3.0 | 895      | 2.0 | 868               | 1.0 | 804              |  |
| WYDC D30 DT CP     | 1.0 | 2        | 1.0 | 2                 | 1.0 | 2                |  |
| KYW-TV D30 DT CP   | 6.0 | 891      | 5.0 | 864               | 4.0 | 864              |  |

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Interference to BLANK0000054197 CP scenario 1

|             |         |      |     |        |                         |                  |          |
|-------------|---------|------|-----|--------|-------------------------|------------------|----------|
| Desired:    | Call    | Chan | Svc | Status | City, State             | File Number      | Distance |
|             | W43CO-D | D30  | LD  | CP     | KINGSTON, PA            | BLANK0000054197  |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY            | BLANK0000054668  | 149.0 km |
|             | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ        | BLANK0000066998  | 99.4     |
|             | W29EU-D | D29  | LD  | LIC    | CLARKS SUMMIT, ETC., PA | BLANK0000060867  | 23.9     |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA        | BLCDT20090223ABU | 103.7    |
|             | WYDC    | D30  | DT  | CP     | CORNING, NY             | BLANK0000034651  | 134.8    |
|             | W30BW   | N30+ | TX  | LIC    | OLEAN, NY               | BLTT20020307ABR  | 225.5    |
|             | WPCW    | D30  | LD  | CP     | JEANNETTE, PA           | BLANK0000053374  | 300.6    |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA        | BLANK0000033618  | 151.6    |

|              |         |                 |         |                 |         |                |         |                |
|--------------|---------|-----------------|---------|-----------------|---------|----------------|---------|----------------|
| Service area |         | Terrain-limited |         | IX-free, before |         | IX-free, after |         | Percent New IX |
| 6055.1       | 598,055 | 4259.2          | 496,742 | 4027.9          | 478,580 | 4027.9         | 478,580 | 0.00 0.00      |

|                    |       |          |       |                   |       |                  |  |
|--------------------|-------|----------|-------|-------------------|-------|------------------|--|
| Undesired          |       | Total IX |       | Unique IX, before |       | Unique IX, after |  |
| WYXN-LD D30 LD APP | 1.0   | 0        |       |                   | 0.0   | 0                |  |
| W29EU-D D29 LD LIC | 4.0   | 662      | 1.0   | 162               | 1.0   | 162              |  |
| WYDC D30 DT CP     | 95.7  | 1,937    | 33.2  | 563               | 33.2  | 563              |  |
| KYW-TV D30 DT CP   | 195.0 | 16,986   | 134.6 | 16,063            | 133.6 | 16,063           |  |

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Interference to BLANK0000033618 CP scenario 1

|             |         |      |     |        |                  |                  |          |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number      | Distance |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618  |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668  | 119.3 km |
|             | WQMY    | D29  | DT  | LIC    | WILLIAMSPORT, PA | BLCDT20090223ABU | 204.1    |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543  | 274.1    |
|             | WIAV-CD | D30  | DC  | CP     | WASHINGTON, DC   | BLANK0000029340  | 199.7    |
|             | WMPT    | D31  | DT  | BL     | ANNAPOLIS, MD    | DTVBL65942       | 164.0    |
|             | WTFX-TV | D31  | DT  | CP     | PHILADELPHIA, PA | BLANK0000034830  | 0.4      |

|              |            |                 |            |                 |            |                |            |                |
|--------------|------------|-----------------|------------|-----------------|------------|----------------|------------|----------------|
| Service area |            | Terrain-limited |            | IX-free, before |            | IX-free, after |            | Percent New IX |
| 34688.6      | 11,224,140 | 33456.4         | 11,029,286 | 33294.2         | 10,989,711 | 33265.3        | 10,967,051 | 0.09 0.21      |

|                    |       |          |      |                   |      |                  |  |
|--------------------|-------|----------|------|-------------------|------|------------------|--|
| Undesired          |       | Total IX |      | Unique IX, before |      | Unique IX, after |  |
| WYXN-LD D30 LD APP | 42.8  | 35,906   |      |                   | 28.9 | 22,660           |  |
| WEDH D30 DT CP     | 18.9  | 14,501   | 14.0 | 13,563            | 4.0  | 1,477            |  |
| WIAV-CD D30 DC CP  | 119.4 | 20,766   | 73.9 | 11,077            | 72.9 | 10,826           |  |
| WMPT D31 DT BL     | 52.4  | 11,440   | 11.9 | 2,689             | 11.9 | 2,689            |  |
| WTFX-TV D31 DT CP  | 16.9  | 2,557    | 16.9 | 2,557             | 16.9 | 2,557            |  |

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Interference to BLANK0000049440 LIC scenario 1

|             |         |      |     |        |                 |                 |          |
|-------------|---------|------|-----|--------|-----------------|-----------------|----------|
| Desired:    | Call    | Chan | Svc | Status | City, State     | File Number     | Distance |
|             | W31EF-D | D31+ | LD  | LIC    | West Orange, NJ | BLANK0000049440 |          |
| Undesireds: | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY    | BLANK0000054668 | 1.7 km   |



|         |      |    |     |                      |                  |       |
|---------|------|----|-----|----------------------|------------------|-------|
| WVIT    | D31  | DT | CP  | NEW BRITAIN, CT      | BLANK0000074279  | 156.3 |
| W31BP   | D31+ | LD | CP  | BURLINGTON, ETC., NY | BLANK0000054409  | 226.5 |
| WTXF-TV | D31  | DT | CP  | PHILADELPHIA, PA     | BLANK0000034830  | 117.6 |
| W32EI-D | D32- | LD | APP | West Orange, NJ      | BLANK0000033498  | 0.0   |
| WLIW    | D32  | DT | CP  | GARDEN CITY, NY      | BLANK0000074687  | 22.0  |
| WXNY-LD | D32  | LD | LIC | NEW YORK, NY         | BLDTL20090908ACO | 26.6  |

| Service area    | Terrain-limited | IX-free, before | IX-free, after  | Percent New IX |
|-----------------|-----------------|-----------------|-----------------|----------------|
| 896.1 2,598,106 | 851.5 2,440,547 | 765.1 2,039,249 | 725.4 2,005,022 | 5.19 1.68      |

|                    | Total IX     | Unique IX, before | Unique IX, after |
|--------------------|--------------|-------------------|------------------|
| Undesired          |              |                   |                  |
| WYXN-LD D30 LD APP | 63.5 77,698  | 39.7 34,227       |                  |
| WVIT D31 DT CP     | 6.9 74,267   | 1.0 1,487         |                  |
| WTXF-TV D31 DT CP  | 49.6 158,749 | 31.7 65,787       |                  |
| WLIW D32 DT CP     | 39.7 157,177 | 15.9 46,203       |                  |
| WXNY-LD D32 LD LIC | 27.8 279,615 | 11.9 162,414      |                  |

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Interference to proposal scenario 1

\*\*MX: 7.70% interference received

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 |          |
| Undesireds: | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 53.0 km  |
|             | W31EF-D | D29+ | LD  | APP    | West Orange, NJ  | BLANK0000054807 | 24.1     |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 154.9    |
|             | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 1.7      |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 119.3    |

| Service area      | Terrain-limited   | IX-free           | Percent IX |
|-------------------|-------------------|-------------------|------------|
| 4418.0 11,952,448 | 4030.7 11,797,665 | 3562.5 10,888,831 | 11.62 7.70 |

| Undesired           | Total IX      | Unique IX     | Prcnt Unique IX |
|---------------------|---------------|---------------|-----------------|
| W31EF-D D29+ LD APP | 9.0 3,942     | 2.0 713       | 0.05 0.01       |
| WEDH D30 DT CP      | 15.0 18,274   | 1.0 1,104     | 0.03 0.01       |
| WNMF-LD D30 LD CP   | 124.9 255,545 | 58.9 160,810  | 1.46 1.36       |
| KYW-TV D30 DT CP    | 402.3 741,804 | 327.4 637,952 | 8.12 5.41       |

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Interference to proposal scenario 2

7.70% interference received

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number     | Distance |
|-------------|---------|------|-----|--------|------------------|-----------------|----------|
|             | WYXN-LD | D30  | LD  | APP    | NEW YORK, NY     | BLANK0000054668 |          |
| Undesireds: | W49BE-D | D29z | LD  | CP     | HACKETTSTOWN, NJ | BLANK0000066998 | 53.0 km  |
|             | WEDH    | D30  | DT  | CP     | HARTFORD, CT     | BLANK0000034543 | 154.9    |
|             | WNMF-LD | D30  | LD  | CP     | ROSELAND, NJ     | BLANK0000072006 | 1.7      |
|             | KYW-TV  | D30  | DT  | CP     | PHILADELPHIA, PA | BLANK0000033618 | 119.3    |

| Service area      | Terrain-limited   | IX-free           | Percent IX |
|-------------------|-------------------|-------------------|------------|
| 4418.0 11,952,448 | 4030.7 11,797,665 | 3564.5 10,889,544 | 11.57 7.70 |

| Undesired         | Total IX      | Unique IX     | Prcnt Unique IX |
|-------------------|---------------|---------------|-----------------|
| WEDH D30 DT CP    | 15.0 18,274   | 1.0 1,104     | 0.03 0.01       |
| WNMF-LD D30 LD CP | 124.9 255,545 | 60.9 162,265  | 1.51 1.38       |
| KYW-TV D30 DT CP  | 402.3 741,804 | 331.4 639,726 | 8.22 5.42       |

## CERTIFICATE OF SERVICE

I, F. William LeBeau, hereby certify that, on July 18, 2019, a copy of the foregoing Petition for Reconsideration and Request to Rescind the Hijacking of Auction 104, MX Group 51 was served, via e-mail, and United States Postal Service First Class Mail, postage prepaid, upon the following:

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