



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF AN APPLICATION FOR  
CONSTRUCTION PERMIT FOR  
AUXILIARY FACILITIES AT WILLIS TOWER  
WLS-TV - CHICAGO, ILLINOIS  
CH. 44 - 908 kW - 475 meters HAAT**

Prepared for: WLS TELEVISION, INC.

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, License No. 7418, and in the State of New York, License No. 63418.

**GENERAL**

This office has been authorized by WLS TELEVISION, INC., Licensee of WLS-TV, channel 44, Chicago, Illinois, to prepare this statement, FCC Form 301, Section III, and associated exhibits, in support of an application for construction permit for auxiliary digital transmission facilities at Willis Tower.

**PURPOSE OF APPLICATION**

WLS-TV proposes to re-purpose a currently authorized STA transmission facility, BEDSTA-20120831AAN, located at Willis Tower, as an authorized and licensed digital auxiliary facility to be used during times when WLS-TV's main digital broadcast facility, also located at Willis Tower, might be unavailable for broadcast service.

**AUTHORIZED MAIN FACILITY & PROPOSED AUXILIARY FACILITY**

WLS-TV's current authorization specifies a main transmission facility located at the

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Willis (formerly Sears Tower) Tower, with an Effective Radiated Power (ERP) of 1000 kW at a HAAT of 518 meters. WLS-TV's proposed auxiliary antenna is an RFS Model PHP-24C, directional antenna, see exhibit 3, that is currently authorized by STA at Willis Tower. The instant application proposes to convert this STA facility, 908 kW at 475 meters HAAT, to a permanent auxiliary broadcast facility for WLS-TV.

**ALLOCATION CONSIDERATIONS**

Section 73.1675(a)(1) of the Commission's Rules requires that the service contour of the auxiliary antenna not extend beyond the corresponding service contour of the main facility. Exhibit 1 shows the 41 dBu noise limited service contours for WLS-TV's main and proposed auxiliary facilities. As shown expanded in Exhibit 2, it is clear that the proposed auxiliary 41 dBu noise limited contour is contained wholly within the licensed main contour.

Additionally, according to a study performed using the Commission's application processing and interference analysis software, the results of which are shown in Appendix A, WLS-TV's proposed auxiliary facility at Willis Tower is predicted to cause no new interference in excess of 0.5% to any other authorized digital television facility.

**Class A Television Allocation Considerations**

Using the application processing software, the study result revealed no predicted interference to any authorized Class A LPTV station, as required in Section 73.616(f) of the FCC's Rules. The instant proposal is, therefore, in compliance with Section 73.616(f).

**AM Radio Station Considerations**

There are no AM radio stations located within 3.2 kilometers of the WLS-TV proposed auxiliary antenna site.

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**PREDICTED COVERAGE CONTOURS**

The predicted coverage contours were calculated in accordance with the method described in Section 73.684 of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 1 contains the predicted DTV Noise Limited (41dBu) contour of WLS-TV's main facility, the predicted Noise Limited (41 dBu) Contour of the proposed auxiliary facility, and the auxiliary facility's predicted principal community (48 dBu) contour. The predicted Noise Limited Contour of the proposed auxiliary facility is contained wholly within the predicted Noise Limited Contour of WLS-TV's main facility. The auxiliary facility's predicted 48 dBu contour entirely encompasses the principal community, Chicago, Illinois.

**BLANKETING & INTERMODULATION INTERFERENCE**

Numerous other broadcast, and non-broadcast, facilities are co-located with WLS-TV's proposed auxiliary facility, and there are other broadcast and non-broadcast technical facilities that are located within 10 km of WLS-TV's proposed auxiliary transmitter/antenna site. The applicant recognizes its responsibility to remedy complaints of interference which might result from this proposal in accordance with applicable Rules.

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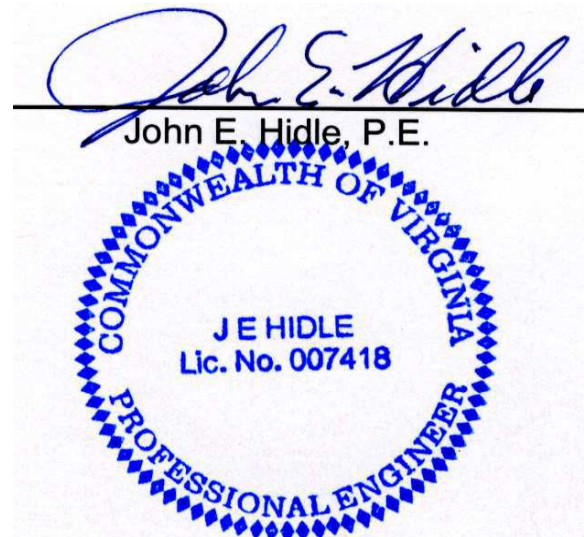
**RADIO FREQUENCY IMPACT & OCCUPATIONAL SAFETY**

Access to the roof area of the Willis Tower is completely restricted, and controlled continuously by security personnel, and is allowed only to authorized persons. As a tenant, WLS-TV is subject to the Willis Tower RF Safety program. The program's RF Safety Procedures ensure that each broadcasting facility is compliant with requirements to operate with reduced power or to cease operation as required by the location of the work. A description of the Willis Tower RF Safety Program and notification procedures is contained in the original application for construction permit, BPCDT-20091001ACI.

**SUMMARY**

It is submitted that the instant application for construction permit for an auxiliary facility for WLS-TV, located at Willis Tower, as described herein, complies with the Rules, Regulations, and Policies of the Federal Communications Commission. This statement, FCC Form 301, Section III, and the attached exhibits were prepared by me, or under my direct supervision, and are believed to be true and correct to the best of my knowledge and belief.

DATED: January 24, 2013



**WLS-TV - CHICAGO - Channel 44 - Licensed 1000 kW - 518 meters HAAT**  
**Proposed Willis Tower Auxiliary Facility - 908 kW - 475 meters HAAT**

**Exhibit 1**

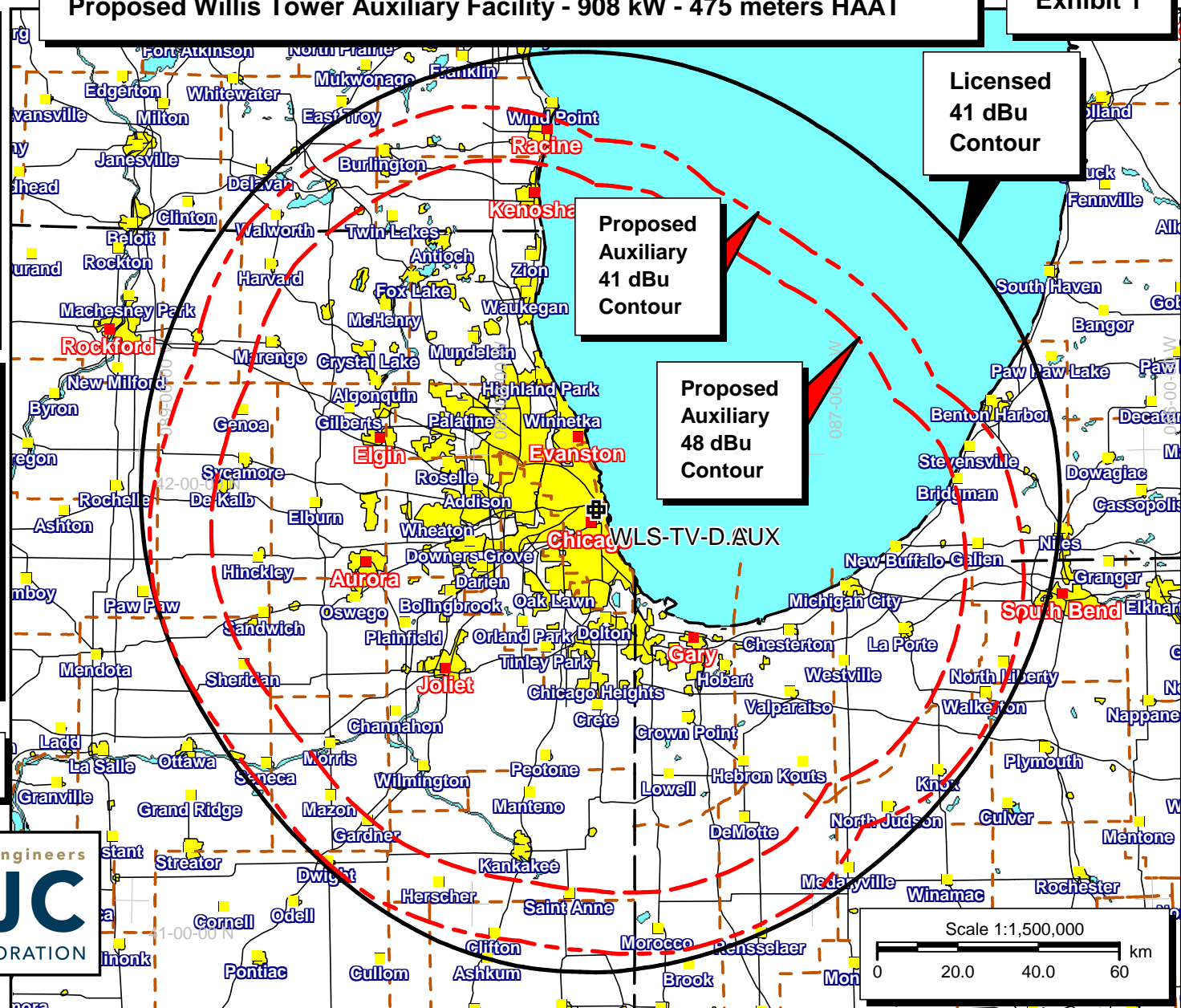
**WLS-TV-D.C**

BLCDT-20121016ABX  
Latitude: 41-52-44 N  
Longitude: 087-38-08 W  
ERP: 1000.00 kW  
Channel: 44  
Frequency: 653.0 MHz  
AMSL Height: 698.9 m  
Elevation: 181.4 m  
Horiz. Pattern: Directional  
Vert. Pattern: Yes  
Elec Tilt: 1.2  
Prop Model: None

**WLS-TV-D.AUX**

BDSTA20110826ACW  
Latitude: 41-52-44 N  
Longitude: 087-38-08 W  
ERP: 908.00 kW  
Channel: 44  
Frequency: 653.0 MHz  
AMSL Height: 655.4 m  
Elevation: 181.4 m  
Horiz. Pattern: Directional  
Vert. Pattern: Yes  
Elec Tilt: 1.0  
Prop Model: None

**JANUARY 2013**



**WLS-TV - CHICAGO - Channel 44 - Licensed 1000 kW - 518 meters HAAT**  
**Proposed Willis Tower Auxiliary Facility - 908 kW - 475 meters HAAT**

**Exhibit 2**

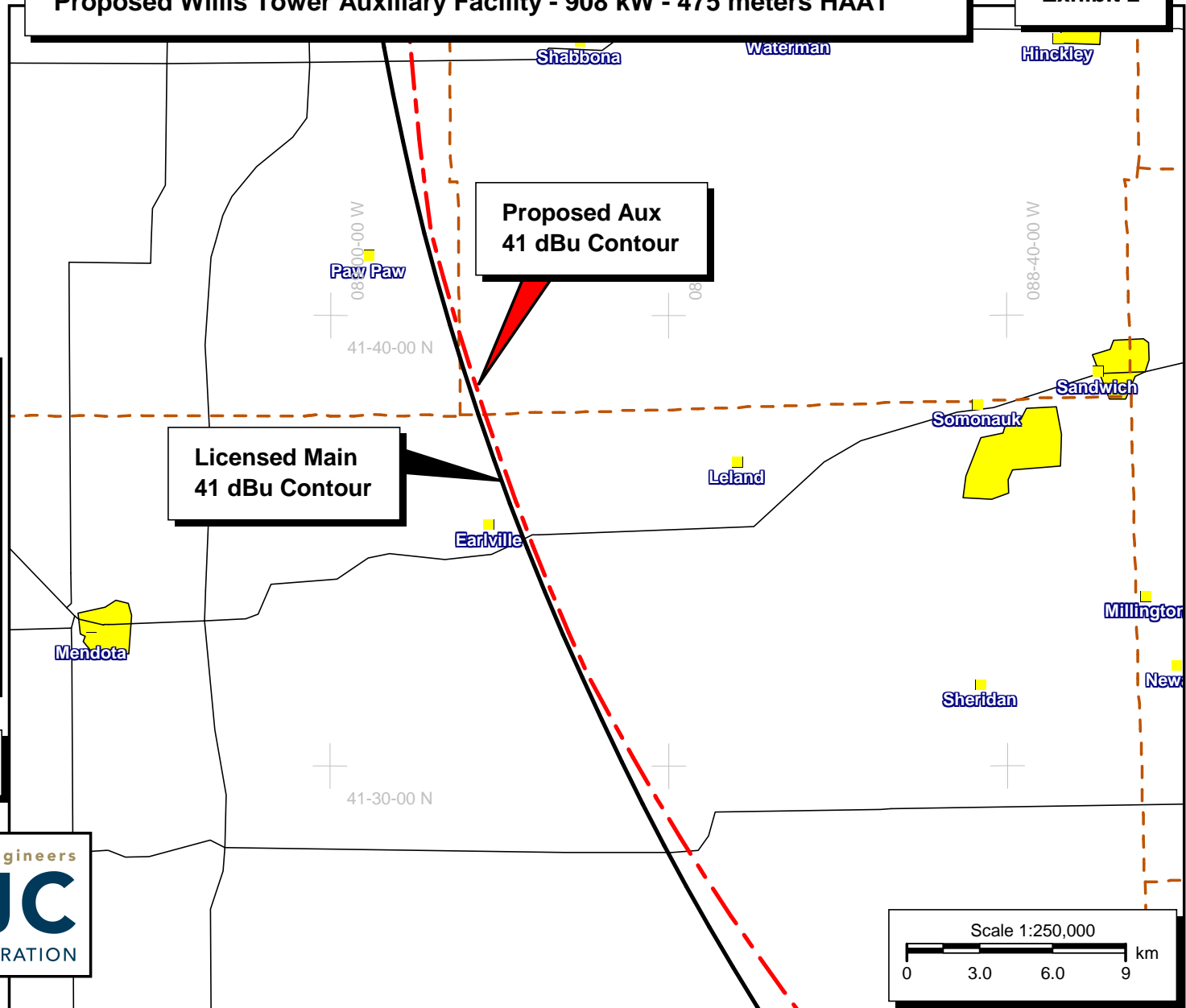
**WLS-TV-D.C**

BLCDT-20121016ABX  
Latitude: 41-52-44 N  
Longitude: 087-38-08 W  
ERP: 1000.00 kW  
Channel: 44  
Frequency: 653.0 MHz  
AMSL Height: 698.9 m  
Elevation: 181.4 m  
Horiz. Pattern: Directional  
Vert. Pattern: Yes  
Elec Tilt: 1.2  
Prop Model: None

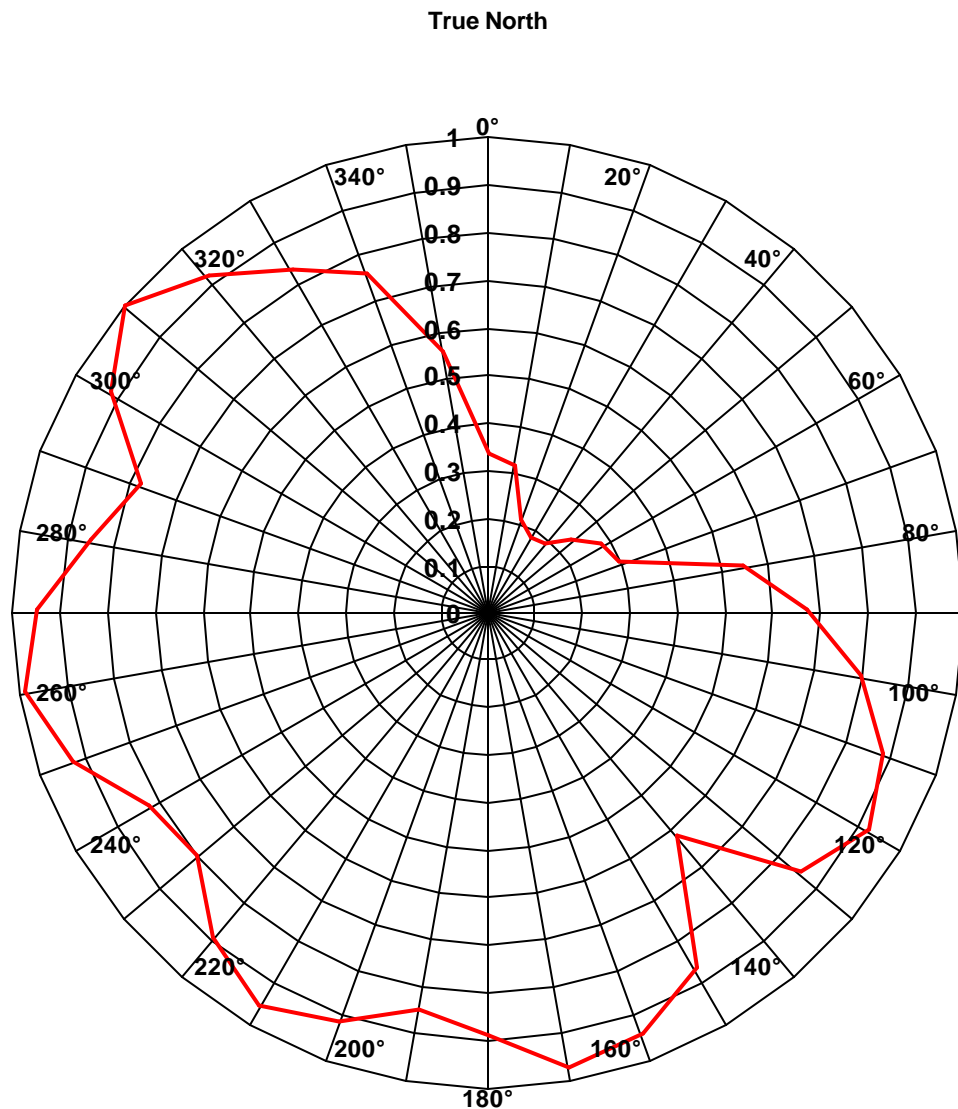
**WLS-TV-D.AUX**

BDSTA20110826ACW  
Latitude: 41-52-44 N  
Longitude: 087-38-08 W  
ERP: 908.00 kW  
Channel: 44  
Frequency: 653.0 MHz  
AMSL Height: 655.4 m  
Elevation: 181.4 m  
Horiz. Pattern: Directional  
Vert. Pattern: Yes  
Elec Tilt: 1.0  
Prop Model: None

**JANUARY 2013**



# Exhibit 3



| Azimuth<br>(deg T.) | Relative<br>Field | ERP<br>(kilowatts) | ERP<br>(dBk) |
|---------------------|-------------------|--------------------|--------------|
| 0                   | 0.326             | 36.771             | 15.66        |
| 10                  | 0.307             | 32.610             | 15.13        |
| 20                  | 0.2               | 13.840             | 11.41        |
| 30                  | 0.175             | 10.596             | 10.25        |
| 40                  | 0.181             | 11.335             | 10.54        |
| 50                  | 0.226             | 17.672             | 12.47        |
| 60                  | 0.272             | 25.598             | 14.08        |
| 70                  | 0.289             | 28.898             | 14.61        |
| 80                  | 0.541             | 101.268            | 20.05        |
| 90                  | 0.668             | 154.394            | 21.89        |
| 100                 | 0.795             | 218.681            | 23.40        |
| 110                 | 0.881             | 268.552            | 24.29        |
| 120                 | 0.92              | 292.854            | 24.67        |
| 130                 | 0.856             | 253.527            | 24.04        |
| 140                 | 0.617             | 131.718            | 21.20        |
| 150                 | 0.869             | 261.286            | 24.17        |
| 160                 | 0.949             | 311.608            | 24.94        |
| 170                 | 0.977             | 330.267            | 25.19        |
| 180                 | 0.893             | 275.917            | 24.41        |
| 190                 | 0.853             | 251.753            | 24.01        |
| 200                 | 0.921             | 293.491            | 24.68        |
| 210                 | 0.964             | 321.536            | 25.07        |
| 220                 | 0.9               | 280.260            | 24.48        |
| 230                 | 0.802             | 222.549            | 23.47        |
| 240                 | 0.823             | 234.356            | 23.70        |
| 250                 | 0.929             | 298.612            | 24.75        |
| 260                 | 0.992             | 340.486            | 25.32        |
| 270                 | 0.95              | 312.265            | 24.95        |
| 280                 | 0.848             | 248.810            | 23.96        |
| 290                 | 0.779             | 209.967            | 23.22        |
| 300                 | 0.917             | 290.948            | 24.64        |
| 310                 | 0.995             | 342.549            | 25.35        |
| 320                 | 0.918             | 291.583            | 24.65        |
| 330                 | 0.825             | 235.496            | 23.72        |
| 340                 | 0.752             | 195.664            | 22.92        |
| 350                 | 0.551             | 105.046            | 20.21        |
| 360                 | 1                 | 346.000            | 25.39        |

**DIRECTIONAL ANTENNA HORIZONTAL PLANE  
RELATIVE FIELD PATTERN  
WLS-TV Ch 44, CHICAGO, IL (Willis Tower)  
908 kW, 475 meters HAAT, D-ANT**

# Vertical Radiation Pattern

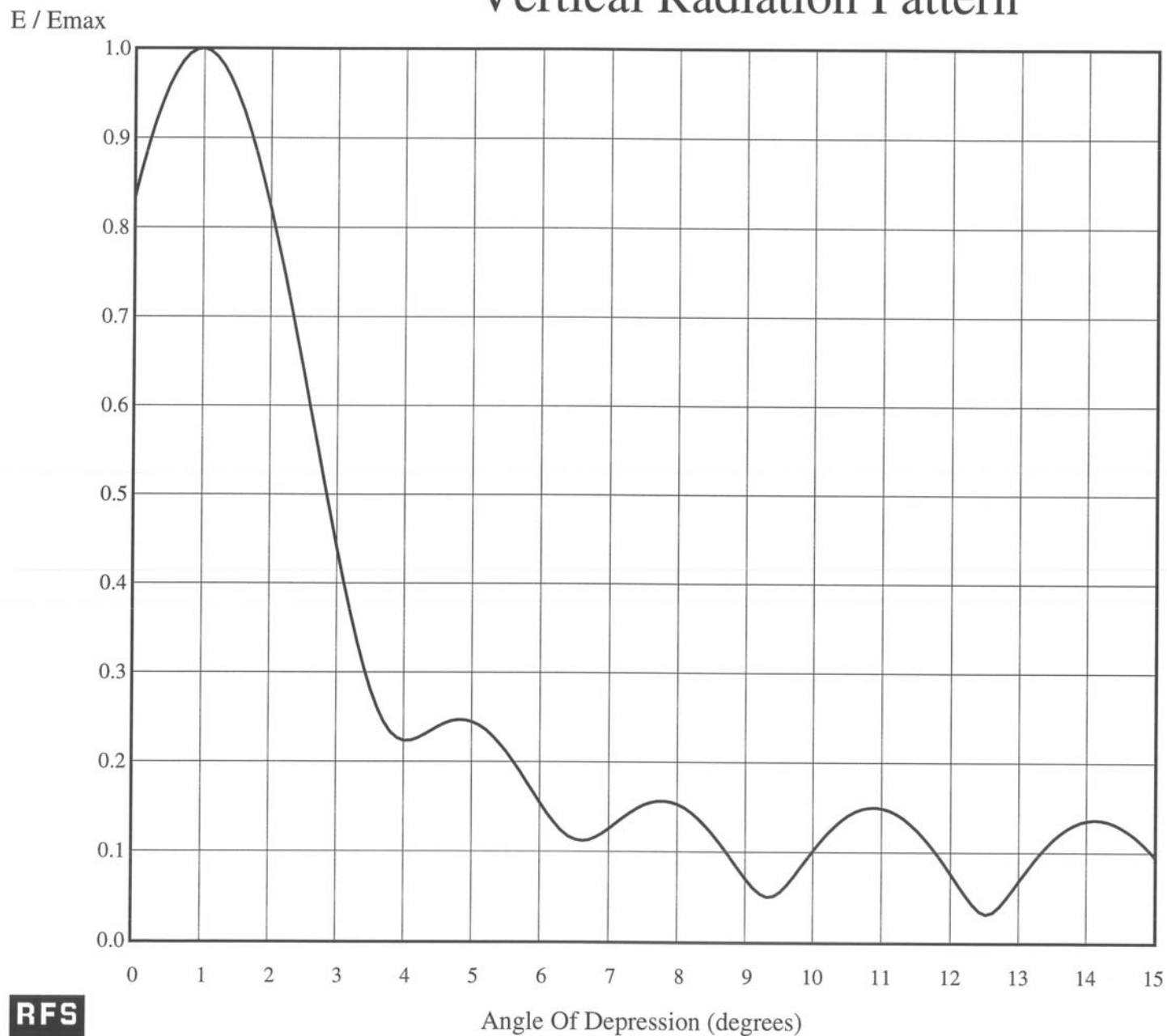


Figure B-10. Full Antenna VRP, Channel 44

Date : 05/05/99

Station : Sears Tower

Frequency (MHz) : 653.00

Directivity (dB) : 12.64

Beam Tilt (deg) : 1.0

Vertical Spacing (m) : 1.150

| Level | Power | Phase |
|-------|-------|-------|
| 1     | 1.0   | 136.7 |
| 2     | 1.0   | 84.1  |
| 3     | 1.0   | 58.9  |
| 4     | 1.0   | 42.1  |
| 5     | 1.0   | 21.1  |
| 6     | 1.0   | 17.9  |
| 7     | 1.0   | 0.0   |
| 8     | 1.0   | 33.7  |





## WLS-TV - WILLIS TOWER AUXILIARY - APPENDIX A LONGLEY-RICE INTERFERENCE ANALYSIS JANUARY 2013

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data/tvdb.sff

### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-14-2013 Time: 16:06:21

#### Record Selected for Analysis

WLS-TV BDSTA -20110826ACW CHICAGO IL US  
Channel 44 ERP 908 kW HAAT 475. m RCAMSL 655.4 m  
Latitude 041-52-44 Longitude 0087-38- 8  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make CDB Model 00000000106408 Beam tilt N Ref Azimuth 0.0  
Last update 00000000 Cutoff date 20110907 Docket  
Comments  
Applicant WLS TELEVISION, INC.

Cell Size for Service Analysis 2.0 km/side  
Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits  
Channel 44 ERP = 908.00 HAAT = 475.

| Site number | 1       |       |                   |  |
|-------------|---------|-------|-------------------|--|
| Azimuth     | ERP     | HAAT  | 41.0 dBu F(50,90) |  |
| (Deg)       | (kW)    | (m)   | (km)              |  |
| 0.0         | 96.499  | 478.2 | 91.5              |  |
| 45.0        | 37.602  | 479.4 | 84.9              |  |
| 90.0        | 405.171 | 479.4 | 104.1             |  |
| 135.0       | 492.529 | 479.4 | 106.0             |  |
| 180.0       | 724.084 | 474.7 | 109.4             |  |
| 225.0       | 657.574 | 472.9 | 108.3             |  |
| 270.0       | 819.470 | 469.8 | 110.3             |  |
| 315.0       | 830.722 | 471.0 | 110.5             |  |

#### Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BLTTA 20060103ACT

Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BPTTA 20050127ALO

Station inside contour of Class A station  
WMEU-LP 48 CHICAGO IL BSTA 20110404AGH

#### Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION  
WLS-TV 44 CHICAGO IL BDSTA 20110826ACW site # 01

# WLS-TV - Willis Tower Auxiliary - Appendix A

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and station

SHORT TO: WLS-TV 44 CHICAGO IL DTVPLN DTVP1568  
041-52-44 0087-38-10  
Req. separation 196.3 Actual separation 0.0 Short 196.3 km

### LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 369.6km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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### Start of Interference Analysis

| Channel | Proposed Station | Call       | City/State | ARN         |
|---------|------------------|------------|------------|-------------|
| 44      | WLS-TV           | CHICAGO IL | BDSTA      | 20110826ACW |

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.    |
|------|---------|-----------------|----------|--------|-------------|-------------|
| 30   | WSPY-LP | PLANO IL        | 81.5     | LIC    | BLTTL       | 19900514IR  |
| 40   | W40CN-D | SUGAR GROVE IL  | 68.8     | LIC    | BLTTA       | 20080812ACU |
| 41   | WOCH-CA | CHICAGO IL      | 2.5      | LIC    | BLTTA       | 20060103ACT |
| 41   | WOCH-CA | CHICAGO IL      | 2.5      | APP    | BPTTA       | 20050127ALO |
| 43   | WCPX-TV | CHICAGO IL      | 1.9      | APP    | BPCDT       | 20080619AIL |
| 43   | WCPX-TV | CHICAGO IL      | 0.0      | LIC    | BLCDT       | 20010226ABH |
| 43   | WWRS-TV | MAYVILLE WI     | 187.8    | CP MOD | BMPCDT      | 20120430ABR |
| 43   | WWRS-TV | MAYVILLE WI     | 187.8    | LIC    | BLCDT       | 20050825AEW |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.8    | LIC    | BLCDT       | 20050317ADQ |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.8    | CP     | BPCDT       | 20080620AGF |
| 44   | WDTI    | INDIANAPOLIS IN | 251.2    | LIC    | BLEDT       | 20080519ABT |
| 44   | WDTI    | INDIANAPOLIS IN | 251.2    | CP     | BPEDT       | 20080617AEQ |
| 44   | WZPX-TV | BATTLE CREEK MI | 229.3    | LIC    | BLCDT       | 20020510AAG |
| 44   | WWJ-TV  | DETROIT MI      | 373.0    | LIC    | BLCDT       | 20100419AAS |
| 44   | WTLW    | LIMA OH         | 313.7    | LIC    | BLCDT       | 20081209AAB |
| 45   | WSNS-TV | CHICAGO IL      | 0.0      | LIC    | BLCDT       | 20111208AGI |
| 45   | WLLA    | KALAMAZOO MI    | 194.7    | LIC    | BLCDT       | 20070529AEA |
| 48   | WMEU-LP | CHICAGO IL      | 0.0      | APP    | BSTA        | 20110404AGH |

%%%

### Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
|---------|------|------------|-------------|----------|

Carl T. Jones Corporation

7901 Yarnwood Court, Springfield, Virginia 22153-2827 (703) 569-7704 Fax: (703) 569-6417

# WLS-TV - Willis Tower Auxiliary - Appendix A

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30 WSPY-LP PLANO IL BLTTL -19900514IR

### Stations Potentially Affecting This Station

| Chan | Call    | City/State     | Dist(km) | Status | Application | Ref. No.     |
|------|---------|----------------|----------|--------|-------------|--------------|
| 27   | WCIU-TV | CHICAGO IL     | 81.5     | LIC    | BLCDDT      | -20110822ADN |
| 28   | WYZZ-TV | BLOOMINGTON IL | 124.0    | LIC    | BLCDDT      | -20060609ABE |
| 29   | WMAQ-TV | CHICAGO IL     | 81.5     | LIC    | BLCDDT      | -20010531ACY |
| 30   | WMBD-TV | PEORIA IL      | 140.0    | LIC    | BLCDDT      | -20061019ADD |
| 30   | WHLA-TV | LA CROSSE WI   | 329.4    | LIC    | BMLEDT      | -20041013AAL |
| 31   | WFLD    | CHICAGO IL     | 81.5     | LIC    | BLCDDT      | -20090223ABV |
| 38   | WGBO-DT | JOLIET IL      | 81.5     | CP     | BPCDDT      | -20120921ACX |
| 38   | WGBO-DT | JOLIET IL      | 83.1     | LIC    | BLCDDT      | -20100709AJT |
| 44   | WLS-TV  | CHICAGO IL     | 81.5     | APP    | BDSTA       | -20110826ACW |
| 45   | WSNS-TV | CHICAGO IL     | 81.5     | LIC    | BLCDDT      | -20111208AGI |
| 44   | WLS-TV  | CHICAGO IL     | 81.5     | PLN    | DTVPLN      | -DTVPI568    |

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

### Analysis of Interference to Affected Station 2

#### Analysis of current record

| Channel | Call    | City/State     | Application | Ref. No.     |
|---------|---------|----------------|-------------|--------------|
| 40      | W40CN-D | SUGAR GROVE IL | BLTTA       | -20080812ACU |

### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 36   | WJYS    | HAMMOND IN      | 68.8     | LIC    | BLCDDT      | -20100922ABI |
| 38   | WGBO-DT | JOLIET IL       | 68.8     | CP     | BPCDDT      | -20120921ACX |
| 38   | WGBO-DT | JOLIET IL       | 70.1     | LIC    | BLCDDT      | -20100709AJT |
| 40   | WESV-LD | CHICAGO IL      | 68.8     | CP     | BPDTL       | -20111114ABK |
| 40   | WESV-LD | CHICAGO IL      | 68.8     | LIC    | BLDTL       | -20101213AGJ |
| 40   | WFWA    | FORT WAYNE IN   | 282.8    | LIC    | BLEDT       | -20041112ACP |
| 40   | WFWA    | FORT WAYNE IN   | 282.8    | CP     | BPEDT       | -20080617ADU |
| 40   | WKAR-TV | EAST LANSING MI | 347.7    | LIC    | BLEDT       | -20110817ACE |
| 40   | WPXE-TV | KENOSHA WI      | 151.4    | LIC    | BLCDDT      | -20040206AAT |
| 41   | WIFR    | FREEDPORT IL    | 81.0     | CP MOD | BMPCDDT     | -20050103AFQ |
| 41   | WIFR-DR | FREEDPORT IL    | 81.0     | APP    | BPRM        | -20080620AOH |
| 41   | WIFR    | FREEDPORT IL    | 81.0     | LIC    | BLCDDT      | -20081223ACE |
| 42   | WQRF-TV | ROCKFORD IL     | 80.2     | LIC    | BLCDDT      | -20070404ABY |
| 43   | WCPX-TV | CHICAGO IL      | 69.0     | APP    | BPCDDT      | -20080619AIL |
| 43   | WCPX-TV | CHICAGO IL      | 68.8     | LIC    | BLCDDT      | -20010226ABH |
| 44   | WLS-TV  | CHICAGO IL      | 68.8     | APP    | BDSTA       | -20110826ACW |
| 47   | WTTW    | CHICAGO IL      | 68.7     | LIC    | BLEDT       | -20020408ABK |
| 54   | WREX    | ROCKFORD IL     | 85.2     | CP MOD | BMPCDDT     | -20060524AAI |
| 44   | WLS-TV  | CHICAGO IL      | 68.7     | PLN    | DTVPLN      | -DTVPI568    |

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 3

#### Analysis of current record

| Channel | Call    | City/State | Application | Ref. No.     |
|---------|---------|------------|-------------|--------------|
| 41      | WOCH-CA | CHICAGO IL | BLTTA       | -20060103ACT |

# WLS-TV - Willis Tower Auxiliary - Appendix A

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| Stations Potentially Affecting This Station |         |               |          |        |             |              |
|---|---------|---------------|----------|--------|-------------|--------------|
| Chan  | Call    | City/State    | Dist(km) | Status | Application | Ref. No.     |
| 33  | WITI    | MILWAUKEE WI  | 134.3    | LIC    | BLCDDT      | -20091106AEL |
| 34  | WISN-TV | MILWAUKEE WI  | 137.1    | LIC    | BLCDDT      | -20101104AAA |
| 38  | WGBO-DT | JOLIET IL     | 2.5      | CP     | BPCDDT      | -20120921ACX |
| 38  | WGBO-DT | JOLIET IL     | 0.0      | LIC    | BLCDDT      | -20100709AJT |
| 40  | WESV-LD | CHICAGO IL    | 2.5      | CP     | BPDDTL      | -20111114ABK |
| 40  | WESV-LD | CHICAGO IL    | 2.5      | LIC    | BLDDTL      | -20101213AGJ |
| 41  | KGCW    | BURLINGTON IA | 278.3    | LIC    | BLCDDT      | -20081120ABD |
| 41  | WICD    | CHAMPAIGN IL  | 204.8    | LIC    | BLCDDT      | -20050620AAO |
| 41  | WIFR    | FREEPORT IL   | 135.1    | CP MOD | BMPCDDT     | -20050103AFQ |
| 41  | WIFR-DR | FREEPORT IL   | 135.1    | APP    | BPRM        | -20080620AOH |
| 41  | WIFR    | FREEPORT IL   | 135.1    | LIC    | BLCDDT      | -20081223ACE |
| 41  | WXYZ-TV | DETROIT MI    | 365.7    | LIC    | BLCDDT      | -20081222AAS |
| 41  | WHIO-TV | DAYTON OH     | 372.1    | LIC    | BLCDDT      | -20100802AZK |
| 41  | WGBA-TV | GREEN BAY WI  | 274.9    | CP MOD | BMPCDDT     | -20080620AEI |
| 41  | WGBA-TV | GREEN BAY WI  | 274.9    | LIC    | BLCDDT      | -20080813ADO |
| 41  | NEW     | LACROSSE WI   | 388.0    | LIC    | BPRM        | -20001013ADO |
| 42  | WNDU-TV | SOUTH BEND IN | 121.4    | LIC    | BLCDDT      | -20120514ACQ |
| 43  | WCPX-TV | CHICAGO IL    | 1.1      | APP    | BPCDDT      | -20080619AIL |
| 43  | WCPX-TV | CHICAGO IL    | 2.5      | LIC    | BLCDDT      | -20010226ABH |
| 44  | WLS-TV  | CHICAGO IL    | 2.5      | APP    | BDSTA       | -20110826ACW |
| 45  | WSNS-TV | CHICAGO IL    | 2.5      | LIC    | BLCDDT      | -20111208AGI |
| 48  | WHME-TV | SOUTH BEND IN | 125.9    | LIC    | BLCDDT      | -20060109ABG |
| 48  | WMLW-TV | RACINE WI     | 137.1    | LIC    | BLCDDT      | -20090807ACD |
| 44  | WLS-TV  | CHICAGO IL    | 2.5      | PLN    | DTVPLN      | -DTVP1568    |

Total scenarios = 6

Result key: 1

Scenario 1 Affected station 3

Before Analysis

| Results for: 41N IL CHICAGO    |  |            |              | BLTTA | 20060103ACT | LIC |
|--------------------------------|--|------------|--------------|-------|-------------|-----|
|                                |  | POPULATION | AREA (sq km) |       |             |     |
| within Noise Limited Contour   |  | 5011300    | 3650.0       |       |             |     |
| not affected by terrain losses |  | 5011300    | 3650.0       |       |             |     |
| lost to NTSC IX                |  | 0          | 0.0          |       |             |     |
| lost to additional IX by ATV   |  | 24825      | 8.0          |       |             |     |
| lost to all IX                 |  | 24825      | 8.0          |       |             |     |

Potential Interfering Stations Included in above Scenario 1

|                |        |             |     |
|----------------|--------|-------------|-----|
| 38A IL JOLIET  | BPCDDT | 20120921ACX | CP  |
| 40A IL CHICAGO | BPDDTL | 20111114ABK | CP  |
| 43A IL CHICAGO | BLCDDT | 20010226ABH | LIC |
| 45A IL CHICAGO | BLCDDT | 20111208AGI | LIC |

After Analysis

| Results for: 41N IL CHICAGO    |  |            |              | BLTTA | 20060103ACT | LIC |
|--------------------------------|--|------------|--------------|-------|-------------|-----|
|                                |  | POPULATION | AREA (sq km) |       |             |     |
| within Noise Limited Contour   |  | 5011300    | 3650.0       |       |             |     |
| not affected by terrain losses |  | 5011300    | 3650.0       |       |             |     |
| lost to NTSC IX                |  | 0          | 0.0          |       |             |     |
| lost to additional IX by ATV   |  | 24825      | 8.0          |       |             |     |
| lost to all IX                 |  | 24825      | 8.0          |       |             |     |

Potential Interfering Stations Included in above Scenario 1

|                |        |             |     |
|----------------|--------|-------------|-----|
| 38A IL JOLIET  | BPCDDT | 20120921ACX | CP  |
| 40A IL CHICAGO | BPDDTL | 20111114ABK | CP  |
| 43A IL CHICAGO | BLCDDT | 20010226ABH | LIC |

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|                |       |             |     |
|----------------|-------|-------------|-----|
| 45A IL CHICAGO | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 2  
Scenario 2 Affected station 3  
Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 24838      | 12.0         |     |
| lost to all IX                 | 24838      | 12.0         |     |

Potential Interfering Stations Included in above Scenario 2

|                |       |             |     |
|----------------|-------|-------------|-----|
| 38A IL JOLIET  | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO | BLDTL | 20101213AGJ | LIC |
| 43A IL CHICAGO | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO | BLCDT | 20111208AGI | LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 24838      | 12.0         |     |
| lost to all IX                 | 24838      | 12.0         |     |

Potential Interfering Stations Included in above Scenario 2

|                |       |             |     |
|----------------|-------|-------------|-----|
| 38A IL JOLIET  | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO | BLDTL | 20101213AGJ | LIC |
| 43A IL CHICAGO | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 3  
Scenario 3 Affected station 3  
Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 29379      | 24.1         |     |
| lost to all IX                 | 29379      | 24.1         |     |

Potential Interfering Stations Included in above Scenario 3

|                 |       |             |     |
|-----------------|-------|-------------|-----|
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO  | BPDTL | 20111114ABK | CP  |
| 41A IL FREEPORT | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |

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### After Analysis

| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 29379      | 24.1         |     |
| lost to all IX                 | 29379      | 24.1         |     |

| Potential Interfering Stations Included in above Scenario |       |             |     | 3 |
|---|-------|-------------|-----|---|
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |   |
| 40A IL CHICAGO  | BPDTL | 20111114ABK | CP  |   |
| 41A IL FREEPORT   | BPRM  | 20080620AOH | APP |   |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |   |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |   |
| 44A IL CHICAGO  | BDSTA | 20110826ACW | APP |   |

Percent new IX = 0.0000%

Result key: 4  
Scenario 4 Affected station 3  
Before Analysis

| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 24825      | 8.0          |     |
| lost to all IX                 | 24825      | 8.0          |     |

| Potential Interfering Stations Included in above Scenario |       |             |     | 4 |
|---|-------|-------------|-----|---|
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |   |
| 40A IL CHICAGO  | BPDTL | 20111114ABK | CP  |   |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |   |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |   |

### After Analysis

| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 24825      | 8.0          |     |
| lost to all IX                 | 24825      | 8.0          |     |

| Potential Interfering Stations Included in above Scenario |       |             |     | 4 |
|---|-------|-------------|-----|---|
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |   |
| 40A IL CHICAGO  | BPDTL | 20111114ABK | CP  |   |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |   |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |   |
| 44A IL CHICAGO  | BDSTA | 20110826ACW | APP |   |

Percent new IX = 0.0000%

Result key: 5  
Scenario 5 Affected station 3  
Before Analysis

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|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 29379      | 24.1         |     |
| lost to all IX                 | 29379      | 24.1         |     |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 5                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BLDTL 20101213AGJ LIC |
| 41A IL FREEPORT   | BPRM 20080620AOH APP  |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 29379      | 24.1         |     |
| lost to all IX                 | 29379      | 24.1         |     |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 5                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BLDTL 20101213AGJ LIC |
| 41A IL FREEPORT   | BPRM 20080620AOH APP  |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |
| 44A IL CHICAGO  | BDSTA 20110826ACW APP |

Percent new IX = 0.0000%

Result key: 6  
 Scenario 6 Affected station 3  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 24838      | 12.0         |     |
| lost to all IX                 | 24838      | 12.0         |     |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 6                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BLDTL 20101213AGJ LIC |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BLTTA      | 20060103ACT  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 5011300    | 3650.0       |     |
| not affected by terrain losses | 5011300    | 3650.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |

# WLS-TV - Willis Tower Auxiliary - Appendix A

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|                              |       |      |
|------------------------------|-------|------|
| lost to additional IX by ATV | 24838 | 12.0 |
| lost to all IX               | 24838 | 12.0 |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 6                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BLDTL 20101213AGJ LIC |
| 43A IL CHICAGO  | BLCDD 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDD 20111208AGI LIC |
| 44A IL CHICAGO  | BDSTA 20110826ACW APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

### Analysis of Interference to Affected Station 4

#### Analysis of current record

| Channel | Call    | City/State | Application | Ref. No.     |
|---------|---------|------------|-------------|--------------|
| 41      | WOCH-CA | CHICAGO IL | BPTTA       | -20050127ALO |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State    | Dist(km) | Status | Application | Ref. No.     |
|------|---------|---------------|----------|--------|-------------|--------------|
| 33   | WITI    | MILWAUKEE WI  | 134.3    | LIC    | BLCDD       | -20091106AEL |
| 34   | WISN-TV | MILWAUKEE WI  | 137.1    | LIC    | BLCDD       | -20101104AAA |
| 38   | WGBO-DT | JOLIET IL     | 2.5      | CP     | BPCDT       | -20120921ACX |
| 38   | WGBO-DT | JOLIET IL     | 0.0      | LIC    | BLCDD       | -20100709AJT |
| 40   | WESV-LD | CHICAGO IL    | 2.5      | CP     | BPDTL       | -20111114ABK |
| 40   | WESV-LD | CHICAGO IL    | 2.5      | LIC    | BLDTL       | -20101213AGJ |
| 41   | KGCW    | BURLINGTON IA | 278.3    | LIC    | BLCDD       | -20081120ABD |
| 41   | WICD    | CHAMPAIGN IL  | 204.8    | LIC    | BLCDD       | -20050620AAO |
| 41   | WIFR    | FREEPORT IL   | 135.1    | CP MOD | BMPCDD      | -20050103AFQ |
| 41   | WIFR-DR | FREEPORT IL   | 135.1    | APP    | BPRM        | -20080620AOH |
| 41   | WIFR    | FREEPORT IL   | 135.1    | LIC    | BLCDD       | -20081223ACE |
| 41   | WXYZ-TV | DETROIT MI    | 365.7    | LIC    | BLCDD       | -20081222AAS |
| 41   | WHIO-TV | DAYTON OH     | 372.1    | LIC    | BLCDD       | -20100802AZK |
| 41   | WGBA-TV | GREEN BAY WI  | 274.9    | CP MOD | BMPCDD      | -20080620AEI |
| 41   | WGBA-TV | GREEN BAY WI  | 274.9    | LIC    | BLCDD       | -20080813ADO |
| 41   | NEW     | LACROSSE WI   | 388.0    | LIC    | BPRM        | -20001013ADO |
| 42   | WNDU-TV | SOUTH BEND IN | 121.4    | LIC    | BLCDD       | -20120514ACQ |
| 43   | WCPX-TV | CHICAGO IL    | 1.1      | APP    | BPCDT       | -20080619AIL |
| 43   | WCPX-TV | CHICAGO IL    | 2.5      | LIC    | BLCDD       | -20010226ABH |
| 44   | WLS-TV  | CHICAGO IL    | 2.5      | APP    | BDSTA       | -20110826ACW |
| 45   | WSNS-TV | CHICAGO IL    | 2.5      | LIC    | BLCDD       | -20111208AGI |
| 48   | WHME-TV | SOUTH BEND IN | 125.9    | LIC    | BLCDD       | -20060109ABG |
| 48   | WMLW-TV | RACINE WI     | 137.1    | LIC    | BLCDD       | -20090807ACD |
| 44   | WLS-TV  | CHICAGO IL    | 2.5      | PLN    | DTVPLN      | -DTVPL1568   |

Total scenarios = 12

Result key: 7  
 Scenario 1 Affected station 4  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |



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|                              |       |     |
|------------------------------|-------|-----|
| lost to additional IX by ATV | 38152 | 8.0 |
| lost to all IX               | 38152 | 8.0 |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 1                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BPDTL 20111114ABK CP  |
| 41A IL CHAMPAIGN  | BLCDT 20050620AAO LIC |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 38152      | 8.0          |     |
| lost to all IX                 | 38152      | 8.0          |     |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 1                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BPDTL 20111114ABK CP  |
| 41A IL CHAMPAIGN  | BLCDT 20050620AAO LIC |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |
| 44A IL CHICAGO  | BDSTA 20110826ACW APP |

Percent new IX = 0.0000%

Result key: 8  
 Scenario 2 Affected station 4  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 446039     | 100.2        |     |
| lost to all IX                 | 446039     | 100.2        |     |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 2                     |
| 38A IL JOLIET   | BPCDT 20120921ACX CP  |
| 40A IL CHICAGO  | BLDTL 20101213AGJ LIC |
| 41A IL CHAMPAIGN  | BLCDT 20050620AAO LIC |
| 43A IL CHICAGO  | BLCDT 20010226ABH LIC |
| 45A IL CHICAGO  | BLCDT 20111208AGI LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 446039     | 100.2        |     |
| lost to all IX                 | 446039     | 100.2        |     |

Potential Interfering Stations Included in above Scenario 2

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|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 9  
Scenario 3 Affected station 4  
Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 48893      | 12.0         |     |
| lost to all IX                 | 48893      | 12.0         |     |

Potential Interfering Stations Included in above Scenario 3

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

After Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 48893      | 12.0         |     |
| lost to all IX                 | 48893      | 12.0         |     |

Potential Interfering Stations Included in above Scenario 3

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 10  
Scenario 4 Affected station 4  
Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 456780     | 104.3        |     |
| lost to all IX                 | 456780     | 104.3        |     |

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Potential Interfering Stations Included in above Scenario 4

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 456780     | 104.3        |     |
| lost to all IX                 | 456780     | 104.3        |     |

Potential Interfering Stations Included in above Scenario 4

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 11  
Scenario 5 Affected station 4  
Before Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 50213      | 16.0         |     |
| lost to all IX                 | 50213      | 16.0         |     |

Potential Interfering Stations Included in above Scenario 5

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 50213      | 16.0         |     |
| lost to all IX                 | 50213      | 16.0         |     |

Potential Interfering Stations Included in above Scenario 5

|                |       |             |    |
|----------------|-------|-------------|----|
| 38A IL JOLIET  | BPCDT | 20120921ACX | CP |
| 40A IL CHICAGO | BPDTL | 20111114ABK | CP |

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|                  |       |             |     |
|------------------|-------|-------------|-----|
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 12  
 Scenario 6 Affected station 4  
 Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 38152      | 8.0          |     |
| lost to all IX                 | 38152      | 8.0          |     |

Potential Interfering Stations Included in above Scenario 6

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 38152      | 8.0          |     |
| lost to all IX                 | 38152      | 8.0          |     |

Potential Interfering Stations Included in above Scenario 6

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 13  
 Scenario 7 Affected station 4  
 Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 458100     | 108.3        |     |
| lost to all IX                 | 458100     | 108.3        |     |

Potential Interfering Stations Included in above Scenario 7

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|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 458100     | 108.3        |     |
| lost to all IX                 | 458100     | 108.3        |     |

|   |       |             |     |
|---|-------|-------------|-----|
| Potential Interfering Stations Included in above Scenario | 7     |             |     |
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO  | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN  | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT   | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO  | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 14  
 Scenario 8 Affected station 4  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 446039     | 100.2        |     |
| lost to all IX                 | 446039     | 100.2        |     |

|   |       |             |     |
|---|-------|-------------|-----|
| Potential Interfering Stations Included in above Scenario | 8     |             |     |
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO  | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN  | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO  | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |

### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 446039     | 100.2        |     |
| lost to all IX                 | 446039     | 100.2        |     |

|   |       |             |     |
|---|-------|-------------|-----|
| Potential Interfering Stations Included in above Scenario | 8     |             |     |
| 38A IL JOLIET   | BPCDT | 20120921ACX | CP  |
| 40A IL CHICAGO  | BLDTL | 20101213AGJ | LIC |

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|                  |       |             |     |
|------------------|-------|-------------|-----|
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 15  
Scenario 9 Affected station 4  
Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 50213      | 16.0         |     |
| lost to all IX                 | 50213      | 16.0         |     |

Potential Interfering Stations Included in above Scenario 9

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 50213      | 16.0         |     |
| lost to all IX                 | 50213      | 16.0         |     |

Potential Interfering Stations Included in above Scenario 9

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 16  
Scenario 10 Affected station 4  
Before Analysis

| Results for: 41N IL CHICAGO    | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 48893      | 12.0         |     |
| lost to all IX                 | 48893      | 12.0         |     |

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Potential Interfering Stations Included in above Scenario 10

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 48893      | 12.0         |     |
| lost to all IX                 | 48893      | 12.0         |     |

Potential Interfering Stations Included in above Scenario 10

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BPDTL | 20111114ABK | CP  |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 17  
 Scenario 11 Affected station 4  
 Before Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 458100     | 108.3        |     |
| lost to all IX                 | 458100     | 108.3        |     |

Potential Interfering Stations Included in above Scenario 11

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 458100     | 108.3        |     |
| lost to all IX                 | 458100     | 108.3        |     |

Potential Interfering Stations Included in above Scenario 11

|                |       |             |     |
|----------------|-------|-------------|-----|
| 38A IL JOLIET  | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO | BLDTL | 20101213AGJ | LIC |

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|                  |       |             |     |
|------------------|-------|-------------|-----|
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 41A IL FREEPORT  | BPRM  | 20080620AOH | APP |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 18  
 Scenario 12 Affected station 4  
 Before Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 456780     | 104.3        |     |
| lost to all IX                 | 456780     | 104.3        |     |

Potential Interfering Stations Included in above Scenario 12

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |

### After Analysis

Results for: 41N IL CHICAGO

|                                | BPTTA      | 20050127ALO  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4335327    | 2887.0       |     |
| not affected by terrain losses | 4335327    | 2887.0       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 456780     | 104.3        |     |
| lost to all IX                 | 456780     | 104.3        |     |

Potential Interfering Stations Included in above Scenario 12

|                  |       |             |     |
|------------------|-------|-------------|-----|
| 38A IL JOLIET    | BLCDT | 20100709AJT | LIC |
| 40A IL CHICAGO   | BLDTL | 20101213AGJ | LIC |
| 41A IL CHAMPAIGN | BLCDT | 20050620AAO | LIC |
| 43A IL CHICAGO   | BLCDT | 20010226ABH | LIC |
| 45A IL CHICAGO   | BLCDT | 20111208AGI | LIC |
| 44A IL CHICAGO   | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

### Analysis of Interference to Affected Station 5

#### Analysis of current record

| Channel | Call    | City/State | Application | Ref. No.     |
|---------|---------|------------|-------------|--------------|
| 43      | WCPX-TV | CHICAGO IL | BPCDT       | -20080619AIL |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State  | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-------------|----------|--------|-------------|--------------|
| 42   | WQRF-TV | ROCKFORD IL | 133.9    | LIC    | BLCDT       | -20070404ABY |



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|    |         |                 |       |        |        |              |
|----|---------|-----------------|-------|--------|--------|--------------|
| 42 | WNDU-TV | SOUTH BEND IN   | 122.3 | LIC    | BLCDT  | -20120514ACQ |
| 43 | KFXB-TV | DUBUQUE IA      | 255.3 | LIC    | BLCDT  | -20090528AEV |
| 43 | WTVS    | DETROIT MI      | 372.7 | LIC    | BLEDT  | -20091014ACH |
| 43 | WWRS-TV | MAYVILLE WI     | 186.1 | CP MOD | BMPCDT | -20120430ABR |
| 43 | WWRS-TV | MAYVILLE WI     | 186.1 | LIC    | BLCDT  | -20050825AEW |
| 44 | WLS-TV  | CHICAGO IL      | 1.9   | APP    | BDSTA  | -20110826ACW |
| 44 | WZPX-TV | BATTLE CREEK MI | 228.5 | LIC    | BLCDT  | -20020510AAG |
| 44 | WLS-TV  | CHICAGO IL      | 1.9   | PLN    | DTVPLN | -DTVPI1568   |

Total scenarios = 2

Result key: 19

Scenario 1 Affected station 5

Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

HAAT 510.0 m, ATV ERP 222.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9329572    | 27351.1      |
| not affected by terrain losses | 9329361    | 27339.1      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 52557      | 923.5        |
| lost to ATV IX only            | 52557      | 923.5        |
| lost to all IX                 | 52557      | 923.5        |

Potential Interfering Stations Included in above Scenario 1

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 42A IL ROCKFORD   | BLCDT  | 20070404ABY | LIC |
| 42A IN SOUTH BEND | BLCDT  | 20120514ACQ | LIC |
| 43A IA DUBUQUE    | BLCDT  | 20090528AEV | LIC |
| 43A WI MAYVILLE   | BMPCDT | 20120430ABR | CP  |

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

HAAT 510.0 m, ATV ERP 222.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9329572    | 27351.1      |
| not affected by terrain losses | 9329361    | 27339.1      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 68102      | 971.7        |
| lost to ATV IX only            | 68102      | 971.7        |
| lost to all IX                 | 68102      | 971.7        |

Potential Interfering Stations Included in above Scenario 1

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 42A IL ROCKFORD   | BLCDT  | 20070404ABY | LIC |
| 42A IN SOUTH BEND | BLCDT  | 20120514ACQ | LIC |
| 43A IA DUBUQUE    | BLCDT  | 20090528AEV | LIC |
| 43A WI MAYVILLE   | BMPCDT | 20120430ABR | CP  |
| 44A IL CHICAGO    | BDSTA  | 20110826ACW | APP |

Percent new IX = 0.1676%

Result key: 20

Scenario 2 Affected station 5

Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

HAAT 510.0 m, ATV ERP 222.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9329572    | 27351.1      |
| not affected by terrain losses | 9329361    | 27339.1      |

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|                              |       |       |
|------------------------------|-------|-------|
| lost to NTSC IX              | 0     | 0.0   |
| lost to additional IX by ATV | 46437 | 879.3 |
| lost to ATV IX only          | 46437 | 879.3 |
| lost to all IX               | 46437 | 879.3 |

| Potential Interfering Stations Included in above Scenario |        |             |     | 2 |
|---|--------|-------------|-----|---|
| 42A IL ROCKFORD   | BLC DT | 20070404ABY | LIC |   |
| 42A IN SOUTH BEND   | BLC DT | 20120514ACQ | LIC |   |
| 43A IA DUBUQUE  | BLC DT | 20090528AEV | LIC |   |
| 43A WI MAYVILLE   | BLC DT | 20050825AEW | LIC |   |

### After Analysis

|                                |            |              |             |     |
|--------------------------------|------------|--------------|-------------|-----|
| Results for: 43A IL CHICAGO    |            | BPCDT        | 20080619AIL | APP |
| HAAT 510.0 m, ATV ERP 222.0 kW |            |              |             |     |
|                                | POPULATION | AREA (sq km) |             |     |
| within Noise Limited Contour   | 9329572    | 27351.1      |             |     |
| not affected by terrain losses | 9329361    | 27339.1      |             |     |
| lost to NTSC IX                | 0          | 0.0          |             |     |
| lost to additional IX by ATV   | 61982      | 927.5        |             |     |
| lost to ATV IX only            | 61982      | 927.5        |             |     |
| lost to all IX                 | 61982      | 927.5        |             |     |

| Potential Interfering Stations Included in above Scenario |        |             |     | 2 |
|---|--------|-------------|-----|---|
| 42A IL ROCKFORD   | BLC DT | 20070404ABY | LIC |   |
| 42A IN SOUTH BEND   | BLC DT | 20120514ACQ | LIC |   |
| 43A IA DUBUQUE  | BLC DT | 20090528AEV | LIC |   |
| 43A WI MAYVILLE   | BLC DT | 20050825AEW | LIC |   |
| 44A IL CHICAGO  | BDSTA  | 20110826ACW | APP |   |

Percent new IX = 0.1675%

Worst case new IX 0.1676% Scenario 1

#####

### Analysis of Interference to Affected Station 6

#### Analysis of current record

| Channel | Call    | City/State | Application | Ref. No.     |
|---------|---------|------------|-------------|--------------|
| 43      | WCPX-TV | CHICAGO IL | BLC DT      | -20010226ABH |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State    | Dist(km) | Status | Application | Ref. No.     |
|------|---------|---------------|----------|--------|-------------|--------------|
| 42   | WQRF-TV | ROCKFORD IL   | 134.5    | LIC    | BLC DT      | -20070404ABY |
| 42   | WNDU-TV | SOUTH BEND IN | 121.8    | LIC    | BLC DT      | -20120514ACQ |
| 43   | KFXB-TV | DUBUQUE IA    | 255.8    | LIC    | BLC DT      | -20090528AEV |
| 43   | WTVS    | DETROIT MI    | 373.0    | LIC    | BLEDT       | -20091014ACH |
| 43   | WWRS-TV | MAYVILLE WI   | 187.8    | CP MOD | BMPCDT      | -20120430ABR |
| 43   | WWRS-TV | MAYVILLE WI   | 187.8    | LIC    | BLC DT      | -20050825AEW |
| 44   | WLS-TV  | CHICAGO IL    | 0.0      | APP    | BDSTA       | -20110826ACW |
| 44   | WLS-TV  | CHICAGO IL    | 0.0      | PLN    | DTVPLN      | -DTVP1568    |

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 7

#### Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
|---------|------|------------|-------------|----------|

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43 WWRN-TV MAYVILLE WI BMPCDT -20120430ABR

## Stations Potentially Affecting This Station

| Chan | Call    | City/State   | Dist(km) | Status | Application | Ref. No.     |
|------|---------|--------------|----------|--------|-------------|--------------|
| 42   | WQRF-TV | ROCKFORD IL  | 138.1    | LIC    | BLCDDT      | -20070404ABY |
| 42   | WPNE-TV | GREEN BAY WI | 116.0    | LIC    | BMLEDT      | -20040818AAP |
| 42   | WPNE-TV | GREEN BAY WI | 116.0    | CP     | BPEDT       | -20130103AAI |
| 43   | KFXB-TV | DUBUQUE IA   | 198.4    | LIC    | BLCDDT      | -20090528AEV |
| 43   | WCPX-TV | CHICAGO IL   | 186.1    | APP    | BPCDDT      | -20080619AIL |
| 43   | WCPX-TV | CHICAGO IL   | 187.8    | LIC    | BLCDDT      | -20010226ABH |
| 44   | WLS-TV  | CHICAGO IL   | 187.8    | APP    | BDSTA       | -20110826ACW |
| 44   | WLS-TV  | CHICAGO IL   | 187.8    | PLN    | DTVPLN      | -DTVPI568    |

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 8

### Analysis of current record

| Channel | Call    | City/State  | Application | Ref. No.     |
|---------|---------|-------------|-------------|--------------|
| 43      | WWRN-TV | MAYVILLE WI | BLCDDT      | -20050825AEW |

## Stations Potentially Affecting This Station

| Chan | Call    | City/State   | Dist(km) | Status | Application | Ref. No.     |
|------|---------|--------------|----------|--------|-------------|--------------|
| 42   | WQRF-TV | ROCKFORD IL  | 138.1    | LIC    | BLCDDT      | -20070404ABY |
| 42   | WPNE-TV | GREEN BAY WI | 116.0    | LIC    | BMLEDT      | -20040818AAP |
| 42   | WPNE-TV | GREEN BAY WI | 116.0    | CP     | BPEDT       | -20130103AAI |
| 43   | KFXB-TV | DUBUQUE IA   | 198.4    | LIC    | BLCDDT      | -20090528AEV |
| 43   | WCPX-TV | CHICAGO IL   | 186.1    | APP    | BPCDDT      | -20080619AIL |
| 43   | WCPX-TV | CHICAGO IL   | 187.8    | LIC    | BLCDDT      | -20010226ABH |
| 44   | WLS-TV  | CHICAGO IL   | 187.8    | APP    | BDSTA       | -20110826ACW |
| 44   | WLS-TV  | CHICAGO IL   | 187.8    | PLN    | DTVPLN      | -DTVPI568    |

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 9

### Analysis of current record

| Channel | Call    | City/State     | Application | Ref. No.     |
|---------|---------|----------------|-------------|--------------|
| 44      | WRSP-TV | SPRINGFIELD IL | BLCDDT      | -20050317ADQ |

## Stations Potentially Affecting This Station

| Chan | Call   | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|--------|-----------------|----------|--------|-------------|--------------|
| 43   | KTVI   | ST. LOUIS MO    | 161.6    | LIC    | BLCDDT      | -20040903AAY |
| 44   | WLS-TV | CHICAGO IL      | 276.8    | APP    | BDSTA       | -20110826ACW |
| 44   | WDTI   | INDIANAPOLIS IN | 276.7    | LIC    | BLEDT       | -20080519ABT |
| 44   | WDTI   | INDIANAPOLIS IN | 276.7    | CP     | BPEDT       | -20080617AEQ |
| 44   | WKON   | OWENTON KY      | 423.8    | LIC    | BLEDT       | -20011121ABI |
| 44   | KYTV   | SPRINGFIELD MO  | 421.4    | LIC    | BLCDDT      | -20020213AAA |
| 44   | WLS-TV | CHICAGO IL      | 276.8    | PLN    | DTVPLN      | -DTVPI568    |

Total scenarios = 1

Result key: 21

Scenario 1 Affected station 9

Before Analysis

Results for: 44A IL SPRINGFIELD BLCDDT 20050317ADQ LIC

HAAT 415.0 m, ATV ERP 335.0 kW

POPULATION AREA (sq km)

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|                                |        |         |
|--------------------------------|--------|---------|
| within Noise Limited Contour   | 883288 | 29105.0 |
| not affected by terrain losses | 882088 | 29069.0 |
| lost to NTSC IX                | 0      | 0.0     |
| lost to additional IX by ATV   | 449    | 20.0    |
| lost to ATV IX only            | 449    | 20.0    |
| lost to all IX                 | 449    | 20.0    |

Potential Interfering Stations Included in above Scenario 1  
43A MO ST. LOUIS BLCDT 20040903AAY LIC

### After Analysis

Results for: 44A IL SPRINGFIELD BLCDT 20050317ADQ LIC  
HAAT 415.0 m, ATV ERP 335.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 883288     | 29105.0      |
| not affected by terrain losses | 882088     | 29069.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 995        | 88.0         |
| lost to ATV IX only            | 995        | 88.0         |
| lost to all IX                 | 995        | 88.0         |

Potential Interfering Stations Included in above Scenario 1  
43A MO ST. LOUIS BLCDT 20040903AAY LIC  
44A IL CHICAGO BDSTA 20110826ACW APP

Percent new IX = 0.0619%

Worst case new IX 0.0619% Scenario 1

#####

### Analysis of Interference to Affected Station 10

#### Analysis of current record

| Channel | Call    | City/State     | Application | Ref. No.     |
|---------|---------|----------------|-------------|--------------|
| 44      | WRSP-TV | SPRINGFIELD IL | BPCDT       | -20080620AGF |

#### Stations Potentially Affecting This Station

| Chan | Call   | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|--------|-----------------|----------|--------|-------------|--------------|
| 43   | KTVI   | ST. LOUIS MO    | 161.6    | LIC    | BLCDT       | -20040903AAY |
| 44   | WLS-TV | CHICAGO IL      | 276.8    | APP    | BDSTA       | -20110826ACW |
| 44   | WDTI   | INDIANAPOLIS IN | 276.7    | LIC    | BLEDT       | -20080519ABT |
| 44   | WDTI   | INDIANAPOLIS IN | 276.7    | CP     | BPEDT       | -20080617AEQ |
| 44   | WKON   | OWENTON KY      | 423.8    | LIC    | BLEDT       | -20011121ABI |
| 44   | KYTV   | SPRINGFIELD MO  | 421.4    | LIC    | BLCDT       | -20020213AAA |
| 44   | WLS-TV | CHICAGO IL      | 276.8    | PLN    | DTVPLN      | -DTVP1568    |

Total scenarios = 1

Result key: 22

Scenario 1 Affected station 10

#### Before Analysis

Results for: 44A IL SPRINGFIELD BPCDT 20080620AGF CP  
HAAT 415.0 m, ATV ERP 750.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 1101646    | 33556.4      |
| not affected by terrain losses | 1098559    | 33452.5      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 3319       | 148.0        |

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|                     |      |       |
|---------------------|------|-------|
| lost to ATV IX only | 3319 | 148.0 |
| lost to all IX      | 3319 | 148.0 |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 1                     |
| 43A MO ST. LOUIS  | BLCDT 20040903AAY LIC |
| 44A IN INDIANAPOLIS                                       | BPEDT 20080617AEQ CP  |

### After Analysis

Results for: 44A IL SPRINGFIELD BPCDT 20080620AGF CP  
HAAT 415.0 m, ATV ERP 750.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 1101646    | 33556.4      |
| not affected by terrain losses | 1098559    | 33452.5      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 7780       | 351.9        |
| lost to ATV IX only            | 7780       | 351.9        |
| lost to all IX                 | 7780       | 351.9        |

|   |                       |
|---|-----------------------|
| Potential Interfering Stations Included in above Scenario | 1                     |
| 43A MO ST. LOUIS  | BLCDT 20040903AAY LIC |
| 44A IN INDIANAPOLIS                                       | BPEDT 20080617AEQ CP  |
| 44A IL CHICAGO  | BDSTA 20110826ACW APP |

Percent new IX = 0.4073%

Worst case new IX 0.4073% Scenario 1

#####

### Analysis of Interference to Affected Station 11

#### Analysis of current record

| Channel | Call | City/State      | Application | Ref. No.     |
|---------|------|-----------------|-------------|--------------|
| 44      | WDTI | INDIANAPOLIS IN | BLEDT       | -20080519ABT |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 44   | WLS-TV  | CHICAGO IL      | 251.2    | APP    | BDSTA       | -20110826ACW |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.7    | LIC    | BLCDT       | -20050317ADQ |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.7    | CP     | BPCDT       | -20080620AGF |
| 44   | WTSF    | ASHLAND KY      | 366.5    | LIC    | BLCDT       | -20080512AEM |
| 44   | WKON    | OWENTON KY      | 193.9    | LIC    | BLEDT       | -20011121ABI |
| 44   | WZPX-TV | BATTLE CREEK MI | 323.8    | LIC    | BLCDT       | -20020510AAG |
| 44   | WWJ-TV  | DETROIT MI      | 380.7    | LIC    | BLCDT       | -20100419AAS |
| 44   | WTLW    | LIMA OH         | 196.7    | LIC    | BLCDT       | -20081209AAB |
| 44   | WJFB    | LEBANON TN      | 406.8    | CP     | BPCDT       | -20080619AAQ |
| 44   | WJFB    | LEBANON TN      | 416.1    | LIC    | BLCDT       | -20070813ABW |
| 45   | WXIN    | INDIANAPOLIS IN | 0.7      | LIC    | BLCDT       | -20111013AAX |
| 44   | WLS-TV  | CHICAGO IL      | 251.2    | PLN    | DTVPLN      | -DTVPL1568   |

Total scenarios = 2

Result key: 23

Scenario 1 Affected station 11

Before Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC

|                               |            |              |
|-------------------------------|------------|--------------|
| HAAT 293.0 m, ATV ERP 28.0 kW | POPULATION | AREA (sq km) |
| within Noise Limited Contour  | 1858633    | 15433.7      |

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|                                |         |         |
|--------------------------------|---------|---------|
| not affected by terrain losses | 1858176 | 15397.8 |
| lost to NTSC IX                | 0       | 0.0     |
| lost to additional IX by ATV   | 20523   | 307.6   |
| lost to ATV IX only            | 20523   | 307.6   |
| lost to all IX                 | 20523   | 307.6   |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 1 |
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |   |
| 44A KY OWENTON  | BLEDT | 20011121ABI | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IN INDIANAPOLIS                                       | BLCDT | 20111013AAX | LIC |   |

### After Analysis

|                                  |                  |              |             |     |
|----------------------------------|------------------|--------------|-------------|-----|
| Results for: 44A IN INDIANAPOLIS |                  | BLEDT        | 20080519ABT | LIC |
| HAAT                             | 293.0 m, ATV ERP | 28.0 kW      |             |     |
|                                  | POPULATION       | AREA (sq km) |             |     |
| within Noise Limited Contour     | 1858633          | 15433.7      |             |     |
| not affected by terrain losses   | 1858176          | 15397.8      |             |     |
| lost to NTSC IX                  | 0                | 0.0          |             |     |
| lost to additional IX by ATV     | 23467            | 387.4        |             |     |
| lost to ATV IX only              | 23467            | 387.4        |             |     |
| lost to all IX                   | 23467            | 387.4        |             |     |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 1 |
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |   |
| 44A KY OWENTON  | BLEDT | 20011121ABI | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IN INDIANAPOLIS                                       | BLCDT | 20111013AAX | LIC |   |
| 44A IL CHICAGO  | BDSTA | 20110826ACW | APP |   |

Percent new IX = 0.1602%

Result key: 24  
 Scenario 2 Affected station 11  
 Before Analysis

|                                  |                  |              |             |     |
|----------------------------------|------------------|--------------|-------------|-----|
| Results for: 44A IN INDIANAPOLIS |                  | BLEDT        | 20080519ABT | LIC |
| HAAT                             | 293.0 m, ATV ERP | 28.0 kW      |             |     |
|                                  | POPULATION       | AREA (sq km) |             |     |
| within Noise Limited Contour     | 1858633          | 15433.7      |             |     |
| not affected by terrain losses   | 1858176          | 15397.8      |             |     |
| lost to NTSC IX                  | 0                | 0.0          |             |     |
| lost to additional IX by ATV     | 21004            | 327.5        |             |     |
| lost to ATV IX only              | 21004            | 327.5        |             |     |
| lost to all IX                   | 21004            | 327.5        |             |     |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 2 |
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |   |
| 44A KY OWENTON  | BLEDT | 20011121ABI | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IN INDIANAPOLIS                                       | BLCDT | 20111013AAX | LIC |   |

### After Analysis

|                                  |                  |              |             |     |
|----------------------------------|------------------|--------------|-------------|-----|
| Results for: 44A IN INDIANAPOLIS |                  | BLEDT        | 20080519ABT | LIC |
| HAAT                             | 293.0 m, ATV ERP | 28.0 kW      |             |     |
|                                  | POPULATION       | AREA (sq km) |             |     |
| within Noise Limited Contour     | 1858633          | 15433.7      |             |     |
| not affected by terrain losses   | 1858176          | 15397.8      |             |     |

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|                              |       |       |
|------------------------------|-------|-------|
| lost to NTSC IX              | 0     | 0.0   |
| lost to additional IX by ATV | 23948 | 407.4 |
| lost to ATV IX only          | 23948 | 407.4 |
| lost to all IX               | 23948 | 407.4 |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 2 |
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |   |
| 44A KY OWENTON  | BLEDT | 20011121ABI | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IN INDIANAPOLIS                                       | BLCDT | 20111013AAX | LIC |   |
| 44A IL CHICAGO  | BDSTA | 20110826ACW | APP |   |

Percent new IX = 0.1602%

Worst case new IX 0.1602% Scenario 2

#####

### Analysis of Interference to Affected Station 12

#### Analysis of current record

| Channel | Call | City/State      | Application | Ref. No.     |
|---------|------|-----------------|-------------|--------------|
| 44      | WDTI | INDIANAPOLIS IN | BPEDT       | -20080617AEQ |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 44   | WLS-TV  | CHICAGO IL      | 251.2    | APP    | BDSTA       | -20110826ACW |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.7    | LIC    | BLCDT       | -20050317ADQ |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.7    | CP     | BPCDT       | -20080620AGF |
| 44   | WTSF    | ASHLAND KY      | 366.5    | LIC    | BLCDT       | -20080512AEM |
| 44   | WKON    | OWENTON KY      | 193.9    | LIC    | BLEDT       | -20011121ABI |
| 44   | WZPX-TV | BATTLE CREEK MI | 323.8    | LIC    | BLCDT       | -20020510AAG |
| 44   | WWJ-TV  | DETROIT MI      | 380.7    | LIC    | BLCDT       | -20100419AAS |
| 44   | WTLW    | LIMA OH         | 196.7    | LIC    | BLCDT       | -20081209AAB |
| 44   | WJFB    | LEBANON TN      | 406.8    | CP     | BPCDT       | -20080619AAQ |
| 44   | WJFB    | LEBANON TN      | 416.1    | LIC    | BLCDT       | -20070813ABW |
| 45   | WXIN    | INDIANAPOLIS IN | 0.7      | LIC    | BLCDT       | -20111013AAX |
| 44   | WLS-TV  | CHICAGO IL      | 251.2    | PLN    | DTVPLN      | -DTVPI568    |

Total scenarios = 2

Result key: 25

Scenario 1 Affected station 12

Before Analysis

Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2514247    | 26078.9      |
| not affected by terrain losses | 2499683    | 25871.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 10278      | 263.5        |
| lost to ATV IX only            | 10278      | 263.5        |
| lost to all IX                 | 10278      | 263.5        |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 1 |
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |   |
| 44A KY OWENTON  | BLEDT | 20011121ABI | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IN INDIANAPOLIS                                       | BLCDT | 20111013AAX | LIC |   |

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### After Analysis

Results for: 44A IN INDIANAPOLIS                      BPEDT                      20080617AEQ    CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2514247    | 26078.9      |
| not affected by terrain losses | 2499683    | 25871.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 12428      | 319.4        |
| lost to ATV IX only            | 12428      | 319.4        |
| lost to all IX                 | 12428      | 319.4        |

Potential Interfering Stations Included in above Scenario                      1

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |
| 44A KY OWENTON      | BLEDT | 20011121ABI | LIC |
| 44A OH LIMA         | BLCDT | 20081209AAB | LIC |
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 44A IL CHICAGO      | BDSTA | 20110826ACW | APP |

Percent new IX =            0.0864%

Result key:                      26  
Scenario                      2    Affected station                      12  
Before Analysis

Results for: 44A IN INDIANAPOLIS                      BPEDT                      20080617AEQ    CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2514247    | 26078.9      |
| not affected by terrain losses | 2499683    | 25871.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 12863      | 419.3        |
| lost to ATV IX only            | 12863      | 419.3        |
| lost to all IX                 | 12863      | 419.3        |

Potential Interfering Stations Included in above Scenario                      2

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |
| 44A KY OWENTON      | BLEDT | 20011121ABI | LIC |
| 44A OH LIMA         | BLCDT | 20081209AAB | LIC |
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |

### After Analysis

Results for: 44A IN INDIANAPOLIS                      BPEDT                      20080617AEQ    CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2514247    | 26078.9      |
| not affected by terrain losses | 2499683    | 25871.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 14845      | 467.2        |
| lost to ATV IX only            | 14845      | 467.2        |
| lost to all IX                 | 14845      | 467.2        |

Potential Interfering Stations Included in above Scenario                      2

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |
| 44A KY OWENTON      | BLEDT | 20011121ABI | LIC |
| 44A OH LIMA         | BLCDT | 20081209AAB | LIC |
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 44A IL CHICAGO      | BDSTA | 20110826ACW | APP |



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Percent new IX = 0.0797%

Worst case new IX 0.0864% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

| Channel | Call    | City/State      | Application | Ref. No.     |
|---------|---------|-----------------|-------------|--------------|
| 44      | WZPX-TV | BATTLE CREEK MI | BLCDT       | -20020510AAG |

Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 43   | WCPX-TV | CHICAGO IL      | 228.5    | APP    | BPCDT       | -20080619AIL |
| 43   | WTVS    | DETROIT MI      | 157.1    | LIC    | BLEDT       | -20091014ACH |
| 44   | WLS-TV  | CHICAGO IL      | 229.3    | APP    | BDSTA       | -20110826ACW |
| 44   | WDTI    | INDIANAPOLIS IN | 323.8    | LIC    | BLEDT       | -20080519ABT |
| 44   | WDTI    | INDIANAPOLIS IN | 323.8    | CP     | BPEDT       | -20080617AEQ |
| 44   | WWJ-TV  | DETROIT MI      | 157.1    | LIC    | BLCDT       | -20100419AAS |
| 44   | WTLW    | LIMA OH         | 225.2    | LIC    | BLCDT       | -20081209AAB |
| 45   | WDIV-TV | DETROIT MI      | 153.8    | LIC    | BLCDT       | -20090624ABW |
| 45   | WDIV-TV | DETROIT MI      | 153.8    | APP    | BPCDT       | -20090324ABD |
| 45   | WLLA    | KALAMAZOO MI    | 34.6     | LIC    | BLCDT       | -20070529AEA |
| 44   | WLS-TV  | CHICAGO IL      | 229.3    | PLN    | DTVPLN      | -DTVP1568    |

Total scenarios = 1

Result key: 27

Scenario 1 Affected station 13

Before Analysis

Results for: 44A MI BATTLE CREEK BLCDT 20020510AAG LIC

HAAT 305.0 m, ATV ERP 212.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2003614    | 21515.3      |
| not affected by terrain losses | 2003503    | 21507.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 108950     | 1567.2       |
| lost to ATV IX only            | 108950     | 1567.2       |
| lost to all IX                 | 108950     | 1567.2       |

Potential Interfering Stations Included in above Scenario 1

44A MI DETROIT BLCDT 20100419AAS LIC

45A MI KALAMAZOO BLCDT 20070529AEA LIC

After Analysis

Results for: 44A MI BATTLE CREEK BLCDT 20020510AAG LIC

HAAT 305.0 m, ATV ERP 212.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 2003614    | 21515.3      |
| not affected by terrain losses | 2003503    | 21507.3      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 109618     | 1575.2       |
| lost to ATV IX only            | 109618     | 1575.2       |
| lost to all IX                 | 109618     | 1575.2       |

Potential Interfering Stations Included in above Scenario 1

44A MI DETROIT BLCDT 20100419AAS LIC

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45A MI KALAMAZOO BLCDT 20070529AEA LIC  
44A IL CHICAGO BDSTA 20110826ACW APP

Percent new IX = 0.0353%

Worst case new IX 0.0353% Scenario 1

#####

### Analysis of Interference to Affected Station 14

#### Analysis of current record

| Channel | Call   | City/State | Application | Ref. No.     |
|---------|--------|------------|-------------|--------------|
| 44      | WWJ-TV | DETROIT MI | BLCDT       | -20100419AAS |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 43   | WTVS    | DETROIT MI      | 0.0      | LIC    | BLEDT       | -20091014ACH |
| 44   | WLS-TV  | CHICAGO IL      | 373.0    | APP    | BDSTA       | -20110826ACW |
| 44   | WDTI    | INDIANAPOLIS IN | 380.7    | LIC    | BLEDT       | -20080519ABT |
| 44   | WDTI    | INDIANAPOLIS IN | 380.7    | CP     | BPEDT       | -20080617AEQ |
| 44   | WZPX-TV | BATTLE CREEK MI | 157.1    | LIC    | BLCDT       | -20020510AAG |
| 44   | WTLW    | LIMA OH         | 205.2    | LIC    | BLCDT       | -20081209AAB |
| 45   | WDIV-TV | DETROIT MI      | 4.7      | LIC    | BLCDT       | -20090624ABW |
| 45   | WDIV-TV | DETROIT MI      | 4.7      | APP    | BPCDT       | -20090324ABD |
| 45   | WLLA    | KALAMAZOO MI    | 187.7    | LIC    | BLCDT       | -20070529AEA |
| 44   | WLS-TV  | CHICAGO IL      | 373.1    | PLN    | DTVPLN      | -DTVP1568    |

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 15

#### Analysis of current record

| Channel | Call | City/State | Application | Ref. No.     |
|---------|------|------------|-------------|--------------|
| 44      | WTLW | LIMA OH    | BLCDT       | -20081209AAB |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 43   | WTVS    | DETROIT MI      | 205.2    | LIC    | BLEDT       | -20091014ACH |
| 44   | WLS-TV  | CHICAGO IL      | 313.7    | APP    | BDSTA       | -20110826ACW |
| 44   | WDTI    | INDIANAPOLIS IN | 196.7    | LIC    | BLEDT       | -20080519ABT |
| 44   | WDTI    | INDIANAPOLIS IN | 196.7    | CP     | BPEDT       | -20080617AEQ |
| 44   | WTSF    | ASHLAND KY      | 301.8    | LIC    | BLCDT       | -20080512AEM |
| 44   | WKON    | OWENTON KY      | 254.5    | LIC    | BLEDT       | -20011121ABI |
| 44   | WZPX-TV | BATTLE CREEK MI | 225.2    | LIC    | BLCDT       | -20020510AAG |
| 44   | WWJ-TV  | DETROIT MI      | 205.2    | LIC    | BLCDT       | -20100419AAS |
| 45   | WXIN    | INDIANAPOLIS IN | 196.7    | LIC    | BLCDT       | -20111013AAX |
| 45   | WDIV-TV | DETROIT MI      | 207.7    | LIC    | BLCDT       | -20090624ABW |
| 45   | WDIV-TV | DETROIT MI      | 207.7    | APP    | BPCDT       | -20090324ABD |
| 45   | WLLA    | KALAMAZOO MI    | 226.5    | LIC    | BLCDT       | -20070529AEA |
| 44   | WLS-TV  | CHICAGO IL      | 313.8    | PLN    | DTVPLN      | -DTVP1568    |

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 16

#### Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
|---------|------|------------|-------------|----------|

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45 WSNS-TV CHICAGO IL BLCDT -20111208AGI

### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 44   | WLS-TV  | CHICAGO IL      | 0.0      | APP    | BDSTA       | -20110826ACW |
| 45   | WXIN    | INDIANAPOLIS IN | 251.9    | LIC    | BLCDT       | -20111013AAX |
| 45   | WDIV-TV | DETROIT MI      | 371.0    | LIC    | BLCDT       | -20090624ABW |
| 45   | WDIV-TV | DETROIT MI      | 371.0    | APP    | BPCDT       | -20090324ABD |
| 45   | WLLA    | KALAMAZOO MI    | 194.8    | LIC    | BLCDT       | -20070529AEA |
| 46   | WTVP    | PEORIA IL       | 213.1    | LIC    | BLEDT       | -20040105ACV |
| 46   | WHME-DR | SOUTH BEND IN   | 126.4    | APP    | BPRM        | -20080619AET |
| 46   | WHME-TV | SOUTH BEND IN   | 126.4    | CP     | BPCDT       | -20090716AAZ |
| 46   | WDJT-TV | MILWAUKEE WI    | 139.1    | LIC    | BLCDT       | -20050722ABL |
| 44   | WLS-TV  | CHICAGO IL      | 0.0      | PLN    | DTVPLN      | -DTVPL1568   |

Total scenarios = 3

Result key: 28

Scenario 1 Affected station 16  
Before Analysis

Results for: 45A IL CHICAGO BLCDT 20111208AGI LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 59957      | 938.7        |
| lost to ATV IX only            | 59957      | 938.7        |
| lost to all IX                 | 59957      | 938.7        |

Potential Interfering Stations Included in above Scenario 1

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |

### After Analysis

Results for: 45A IL CHICAGO BLCDT 20111208AGI LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 60224      | 954.7        |
| lost to ATV IX only            | 60224      | 954.7        |
| lost to all IX                 | 60224      | 954.7        |

Potential Interfering Stations Included in above Scenario 1

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |
| 44A IL CHICAGO      | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0028%

Result key: 29

Scenario 2 Affected station 16

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### Before Analysis

Results for: 45A IL CHICAGO                      BLCDT              20111208AGI    LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 60155      | 942.7        |
| lost to ATV IX only            | 60155      | 942.7        |
| lost to all IX                 | 60155      | 942.7        |

Potential Interfering Stations Included in above Scenario              2

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPRM  | 20080619AET | APP |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |

### After Analysis

Results for: 45A IL CHICAGO                      BLCDT              20111208AGI    LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 60422      | 958.7        |
| lost to ATV IX only            | 60422      | 958.7        |
| lost to all IX                 | 60422      | 958.7        |

Potential Interfering Stations Included in above Scenario              2

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPRM  | 20080619AET | APP |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |
| 44A IL CHICAGO      | BDSTA | 20110826ACW | APP |

Percent new IX =        0.0028%

Result key:              30  
Scenario              3    Affected station              16  
Before Analysis

Results for: 45A IL CHICAGO                      BLCDT              20111208AGI    LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 59957      | 938.7        |
| lost to ATV IX only            | 59957      | 938.7        |
| lost to all IX                 | 59957      | 938.7        |

Potential Interfering Stations Included in above Scenario              3

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |

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### After Analysis

Results for: 45A IL CHICAGO BLCDT 20111208AGI LIC  
HAAT 472.0 m, ATV ERP 665.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9481680    | 30787.1      |
| not affected by terrain losses | 9481286    | 30763.0      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 60224      | 954.7        |
| lost to ATV IX only            | 60224      | 954.7        |
| lost to all IX                 | 60224      | 954.7        |

Potential Interfering Stations Included in above Scenario 3

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 45A IN INDIANAPOLIS | BLCDT | 20111013AAX | LIC |
| 45A MI KALAMAZOO    | BLCDT | 20070529AEA | LIC |
| 46A IN SOUTH BEND   | BPCDT | 20090716AAZ | CP  |
| 46A WI MILWAUKEE    | BLCDT | 20050722ABL | LIC |
| 44A IL CHICAGO      | BDSTA | 20110826ACW | APP |

Percent new IX = 0.0028%

Worst case new IX 0.0028% Scenario 2

#####

### Analysis of Interference to Affected Station 17

#### Analysis of current record

| Channel | Call | City/State   | Application | Ref. No.     |
|---------|------|--------------|-------------|--------------|
| 45      | WLLA | KALAMAZOO MI | BLCDT       | -20070529AEA |

#### Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application | Ref. No.     |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 44   | WLS-TV  | CHICAGO IL      | 194.7    | APP    | BDSTA       | -20110826ACW |
| 44   | WZPX-TV | BATTLE CREEK MI | 34.6     | LIC    | BLCDT       | -20020510AAG |
| 44   | WWJ-TV  | DETROIT MI      | 187.7    | LIC    | BLCDT       | -20100419AAS |
| 44   | WTLW    | LIMA OH         | 226.5    | LIC    | BLCDT       | -20081209AAB |
| 45   | WSNS-TV | CHICAGO IL      | 194.8    | LIC    | BLCDT       | -20111208AGI |
| 45   | WXIN    | INDIANAPOLIS IN | 303.8    | LIC    | BLCDT       | -20111013AAX |
| 45   | WDIV-TV | DETROIT MI      | 184.8    | LIC    | BLCDT       | -20090624ABW |
| 45   | WDIV-TV | DETROIT MI      | 184.8    | APP    | BPCDT       | -20090324ABD |
| 45   | WFUP    | VANDERBILT MI   | 295.1    | LIC    | BLCDT       | -20091217ACW |
| 45   | WNEO    | ALLIANCE OH     | 419.7    | LIC    | BLEDT       | -20090129AAN |
| 46   | WHME-DR | SOUTH BEND IN   | 122.3    | APP    | BPRM        | -20080619AET |
| 46   | WHME-TV | SOUTH BEND IN   | 122.3    | CP     | BPCDT       | -20090716AAZ |
| 46   | WBSF    | BAY CITY MI     | 165.5    | LIC    | BLCDT       | -20090622AFF |
| 46   | WUPW    | TOLEDO OH       | 194.3    | LIC    | BLCDT       | -20030411AAF |
| 46   | WUPW    | TOLEDO OH       | 194.3    | CP     | BPCDT       | -20080619AJB |
| 46   | WDJT-TV | MILWAUKEE WI    | 210.4    | LIC    | BLCDT       | -20050722ABL |
| 44   | WLS-TV  | CHICAGO IL      | 194.8    | PLN    | DTVPLN      | -DTVPL1568   |

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

### Analysis of Interference to Affected Station 18

#### Analysis of current record

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|         |         |            |                      |
|---------|---------|------------|----------------------|
| Channel | Call    | City/State | Application Ref. No. |
| 48      | WMEU-LP | CHICAGO IL | BSTA -20110404AGH    |

## Stations Potentially Affecting This Station

| Chan | Call    | City/State     | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 40   | WPXE-TV | KENOSHA WI     | 137.0    | LIC    | BLCDDT -20040206AAT  |
| 41   | WIFR    | FREEPORT IL    | 134.8    | CP MOD | BMPCDDT -20050103AFQ |
| 41   | WIFR-DR | FREEPORT IL    | 134.8    | APP    | BPRM -20080620AOH    |
| 41   | WIFR    | FREEPORT IL    | 134.8    | LIC    | BLCDDT -20081223ACE  |
| 44   | WLS-TV  | CHICAGO IL     | 0.0      | APP    | BDSTA -20110826ACW   |
| 45   | WSNS-TV | CHICAGO IL     | 0.0      | LIC    | BLCDDT -20111208AGI  |
| 46   | WHME-DR | SOUTH BEND IN  | 126.4    | APP    | BPRM -20080619AET    |
| 46   | WHME-TV | SOUTH BEND IN  | 126.4    | CP     | BPCDDT -20090716AAZ  |
| 46   | WDJT-TV | MILWAUKEE WI   | 139.1    | LIC    | BLCDDT -20050722ABL  |
| 47   | WTTW    | CHICAGO IL     | 0.0      | LIC    | BLEDT -20020408ABK   |
| 48   | WCIA    | CHAMPAIGN IL   | 208.6    | LIC    | BLCDDT -20070612ABY  |
| 48   | W40CN-D | SUGAR GROVE IL | 37.2     | APP    | BDISDTA -20121219ACH |
| 48   | WTTV    | BLOOMINGTON IN | 302.0    | LIC    | BLCDDT -20060630ACD  |
| 48   | WTTV-DR | BLOOMINGTON IN | 302.0    | LIC    | BPRM -20030820AEO    |
| 48   | WTTV    | BLOOMINGTON IN | 302.0    | CP     | BPCDDT -20100324AAF  |
| 48   | WHME-TV | SOUTH BEND IN  | 126.4    | LIC    | BLCDDT -20060109ABG  |
| 48   | WAQP    | SAGINAW MI     | 329.1    | LIC    | BLCDDT -20060824ADS  |
| 48   | WXOW    | LA CROSSE WI   | 371.9    | LIC    | BLCDDT -20090622ACY  |
| 48   | WXOW-DR | LA CROSSE WI   | 371.9    | APP    | BPRM -20080620AOE    |
| 48   | WMLW-TV | RACINE WI      | 139.1    | LIC    | BLCDDT -20090807ACD  |
| 49   | WOCH-CA | CHICAGO IL     | 2.5      | CP MOD | BMPDDTA -20100409AAK |
| 50   | WXFT-DT | AURORA IL      | 2.5      | CP     | BPCDDT -20120920AEA  |
| 50   | WXFT-DT | AURORA IL      | 0.0      | LIC    | BLCDDT -20101116BHE  |
| 51   | WPWR-TV | GARY IN        | 0.0      | LIC    | BLCDDT -20050425ACE  |
| 44   | WLS-TV  | CHICAGO IL     | 0.0      | PLN    | DTVPLN -DTVPI568     |

Total scenarios = 3

Result key: 31

Scenario 1 Affected station 18  
Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 48N IL CHICAGO    | BSTA       | 20110404AGH  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 3797157    | 1283.9       |     |
| lost to all IX                 | 3797157    | 1283.9       |     |

Potential Interfering Stations Included in above Scenario 1

|                |         |             |     |
|----------------|---------|-------------|-----|
| 45A IL CHICAGO | BLCDDT  | 20111208AGI | LIC |
| 47A IL CHICAGO | BLEDT   | 20020408ABK | LIC |
| 48A WI RACINE  | BLCDDT  | 20090807ACD | LIC |
| 49A IL CHICAGO | BMPDDTA | 20100409AAK | CP  |
| 50A IL AURORA  | BLCDDT  | 20101116BHE | LIC |
| 51A IN GARY    | BLCDDT  | 20050425ACE | LIC |

After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 48N IL CHICAGO    | BSTA       | 20110404AGH  | APP |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 3797157    | 1283.9       |     |

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lost to all IX 3797157 1283.9

Potential Interfering Stations Included in above Scenario 1

|                |        |             |     |
|----------------|--------|-------------|-----|
| 45A IL CHICAGO | BLCDT  | 20111208AGI | LIC |
| 47A IL CHICAGO | BLEDT  | 20020408ABK | LIC |
| 48A WI RACINE  | BLCDT  | 20090807ACD | LIC |
| 49A IL CHICAGO | BMPDTA | 20100409AAK | CP  |
| 50A IL AURORA  | BLCDT  | 20101116BHE | LIC |
| 51A IN GARY    | BLCDT  | 20050425ACE | LIC |
| 44A IL CHICAGO | BDSTA  | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 32  
 Scenario 2 Affected station 18  
 Before Analysis

Results for: 48N IL CHICAGO

|                                | BSTA       | 20110404AGH  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 4056950    | 1865.7       |     |
| lost to all IX                 | 4056950    | 1865.7       |     |

Potential Interfering Stations Included in above Scenario 2

|                    |         |             |     |
|--------------------|---------|-------------|-----|
| 45A IL CHICAGO     | BLCDT   | 20111208AGI | LIC |
| 47A IL CHICAGO     | BLEDT   | 20020408ABK | LIC |
| 48A IL SUGAR GROVE | BDISDTA | 20121219ACH | APP |
| 48A WI RACINE      | BLCDT   | 20090807ACD | LIC |
| 49A IL CHICAGO     | BMPDTA  | 20100409AAK | CP  |
| 50A IL AURORA      | BLCDT   | 20101116BHE | LIC |
| 51A IN GARY        | BLCDT   | 20050425ACE | LIC |

After Analysis

Results for: 48N IL CHICAGO

|                                | BSTA       | 20110404AGH  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 4056950    | 1865.7       |     |
| lost to all IX                 | 4056950    | 1865.7       |     |

Potential Interfering Stations Included in above Scenario 2

|                    |         |             |     |
|--------------------|---------|-------------|-----|
| 45A IL CHICAGO     | BLCDT   | 20111208AGI | LIC |
| 47A IL CHICAGO     | BLEDT   | 20020408ABK | LIC |
| 48A IL SUGAR GROVE | BDISDTA | 20121219ACH | APP |
| 48A WI RACINE      | BLCDT   | 20090807ACD | LIC |
| 49A IL CHICAGO     | BMPDTA  | 20100409AAK | CP  |
| 50A IL AURORA      | BLCDT   | 20101116BHE | LIC |
| 51A IN GARY        | BLCDT   | 20050425ACE | LIC |
| 44A IL CHICAGO     | BDSTA   | 20110826ACW | APP |

Percent new IX = 0.0000%

Result key: 33  
 Scenario 3 Affected station 18  
 Before Analysis

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Results for: 48N IL CHICAGO

|                                | BSTA       | 20110404AGH  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 3797157    | 1283.9       |     |
| lost to all IX                 | 3797157    | 1283.9       |     |

Potential Interfering Stations Included in above Scenario 3

|                |        |             |     |
|----------------|--------|-------------|-----|
| 45A IL CHICAGO | BLCDT  | 20111208AGI | LIC |
| 47A IL CHICAGO | BLEDT  | 20020408ABK | LIC |
| 48A WI RACINE  | BLCDT  | 20090807ACD | LIC |
| 49A IL CHICAGO | BMPDTA | 20100409AAK | CP  |
| 50A IL AURORA  | BLCDT  | 20101116BHE | LIC |
| 51A IN GARY    | BLCDT  | 20050425ACE | LIC |

After Analysis

Results for: 48N IL CHICAGO

|                                | BSTA       | 20110404AGH  | APP |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 4151761    | 1897.8       |     |
| not affected by terrain losses | 4151761    | 1897.8       |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 3797157    | 1283.9       |     |
| lost to all IX                 | 3797157    | 1283.9       |     |

Potential Interfering Stations Included in above Scenario 3

|                |        |             |     |
|----------------|--------|-------------|-----|
| 45A IL CHICAGO | BLCDT  | 20111208AGI | LIC |
| 47A IL CHICAGO | BLEDT  | 20020408ABK | LIC |
| 48A WI RACINE  | BLCDT  | 20090807ACD | LIC |
| 49A IL CHICAGO | BMPDTA | 20100409AAK | CP  |
| 50A IL AURORA  | BLCDT  | 20101116BHE | LIC |
| 51A IN GARY    | BLCDT  | 20050425ACE | LIC |
| 44A IL CHICAGO | BDSTA  | 20110826ACW | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 19

Analysis of current record

| Channel | Call   | City/State | Application Ref. No. |
|---------|--------|------------|----------------------|
| 44      | WLS-TV | CHICAGO IL | BDSTA -20110826ACW   |

Stations Potentially Affecting This Station

| Chan | Call    | City/State      | Dist(km) | Status | Application Ref. No. |
|------|---------|-----------------|----------|--------|----------------------|
| 43   | WCPX-TV | CHICAGO IL      | 1.9      | APP    | BPCDT -20080619AIL   |
| 43   | WCPX-TV | CHICAGO IL      | 0.0      | LIC    | BLCDT -20010226ABH   |
| 43   | WWRS-TV | MAYVILLE WI     | 187.8    | CP MOD | BMPCDT -20120430ABR  |
| 43   | WWRS-TV | MAYVILLE WI     | 187.8    | LIC    | BLCDT -20050825AEW   |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.8    | LIC    | BLCDT -20050317ADQ   |
| 44   | WRSP-TV | SPRINGFIELD IL  | 276.8    | CP     | BPCDT -20080620AGF   |
| 44   | WDTI    | INDIANAPOLIS IN | 251.2    | LIC    | BLEDT -20080519ABT   |
| 44   | WDTI    | INDIANAPOLIS IN | 251.2    | CP     | BPEDT -20080617AEQ   |
| 44   | WZPX-TV | BATTLE CREEK MI | 229.3    | LIC    | BLCDT -20020510AAG   |
| 44   | WWJ-TV  | DETROIT MI      | 373.0    | LIC    | BLCDT -20100419AAS   |
| 44   | WTLW    | LIMA OH         | 313.7    | LIC    | BLCDT -20081209AAB   |

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|    |         |              |       |     |       |              |
|----|---------|--------------|-------|-----|-------|--------------|
| 45 | WSNS-TV | CHICAGO IL   | 0.0   | LIC | BLCDT | -20111208AGI |
| 45 | WLLA    | KALAMAZOO MI | 194.7 | LIC | BLCDT | -20070529AEA |

Total scenarios = 4  
Result key: 34  
Scenario 1 Affected station 19  
Before Analysis

Results for: 44A IL CHICAGO BDSTA 20110826ACW APP  
HAAT 475.0 m, ATV ERP 908.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9556296    | 33233.1      |
| not affected by terrain losses | 9554389    | 33176.9      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 3985       | 108.4        |
| lost to ATV IX only            | 3985       | 108.4        |
| lost to all IX                 | 3985       | 108.4        |

Potential Interfering Stations Included in above Scenario 1

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |
| 44A IN INDIANAPOLIS | BPEDT | 20080617AEQ | CP  |
| 44A MI BATTLE CREEK | BLCDT | 20020510AAG | LIC |
| 44A OH LIMA         | BLCDT | 20081209AAB | LIC |
| 45A IL CHICAGO      | BLCDT | 20111208AGI | LIC |

Result key: 35  
Scenario 2 Affected station 19  
Before Analysis

Results for: 44A IL CHICAGO BDSTA 20110826ACW APP  
HAAT 475.0 m, ATV ERP 908.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9556296    | 33233.1      |
| not affected by terrain losses | 9554389    | 33176.9      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 4138       | 116.5        |
| lost to ATV IX only            | 4138       | 116.5        |
| lost to all IX                 | 4138       | 116.5        |

Potential Interfering Stations Included in above Scenario 2

|                     |       |             |     |
|---------------------|-------|-------------|-----|
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |
| 44A IN INDIANAPOLIS | BPEDT | 20080617AEQ | CP  |
| 44A MI BATTLE CREEK | BLCDT | 20020510AAG | LIC |
| 44A OH LIMA         | BLCDT | 20081209AAB | LIC |
| 45A IL CHICAGO      | BLCDT | 20111208AGI | LIC |

Result key: 36  
Scenario 3 Affected station 19  
Before Analysis

Results for: 44A IL CHICAGO BDSTA 20110826ACW APP  
HAAT 475.0 m, ATV ERP 908.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 9556296    | 33233.1      |
| not affected by terrain losses | 9554389    | 33176.9      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 5352       | 124.5        |
| lost to ATV IX only            | 5352       | 124.5        |
| lost to all IX                 | 5352       | 124.5        |

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|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 3 |
| 43A IL CHICAGO  | BPCDT | 20080619AIL | APP |   |
| 44A IL SPRINGFIELD  | BLCDT | 20050317ADQ | LIC |   |
| 44A IN INDIANAPOLIS                                       | BPEDT | 20080617AEQ | CP  |   |
| 44A MI BATTLE CREEK                                       | BLCDT | 20020510AAG | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |   |

Result key: 37  
Scenario 4 Affected station 19  
Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 44A IL CHICAGO    | BDSTA      | 20110826ACW  | APP |
| HAAT 475.0 m, ATV ERP 908.0 kW |            |              |     |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 9556296    | 33233.1      |     |
| not affected by terrain losses | 9554389    | 33176.9      |     |
| lost to NTSC IX                | 0          | 0.0          |     |
| lost to additional IX by ATV   | 5505       | 132.5        |     |
| lost to ATV IX only            | 5505       | 132.5        |     |
| lost to all IX                 | 5505       | 132.5        |     |

|   |       |             |     |   |
|---|-------|-------------|-----|---|
| Potential Interfering Stations Included in above Scenario |       |             |     | 4 |
| 43A IL CHICAGO  | BPCDT | 20080619AIL | APP |   |
| 44A IL SPRINGFIELD  | BPCDT | 20080620AGF | CP  |   |
| 44A IN INDIANAPOLIS                                       | BPEDT | 20080617AEQ | CP  |   |
| 44A MI BATTLE CREEK                                       | BLCDT | 20020510AAG | LIC |   |
| 44A OH LIMA   | BLCDT | 20081209AAB | LIC |   |
| 45A IL CHICAGO  | BLCDT | 20111208AGI | LIC |   |

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