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July 24, 2009

VIA MESSENGER

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

FILED/ACCEPTED

JUL 24 2009

Federal Communications Commission  
Office of the Secretary

Attn: Chief, Video Division  
Media Bureau

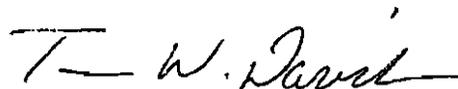
Re: **WLS Television, Inc.,  
WLS-TV, Chicago, Illinois  
Petition for Rulemaking to Amend the DTV Table of Allotments**

Dear Ms. Dortch:

Submitted herewith on behalf of WLS Television, Inc. ("WLS Television"), licensee of commercial digital television ("DTV") station WLS-TV, Chicago, Illinois ("WLS"), is a Petition for Rulemaking ("Petition") requesting the substitution of digital channel 7 for digital channel 44. This Petition is filed pursuant to Section 73.623 of the rules of the Federal Communications Commission, 73 C.F.R. § 73.623 (2007), to amend the DTV Table of Allotments in the matter proposed herein.

Please direct any questions concerning this matter to the undersigned.

Sincerely,



Tom W. Davidson, Esq.

Enclosure

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, DC 20554**

In the Matter of	)	
	)	
<b>WLS Television, Inc.</b>	)	File No. _____
	)	
To Amend the Post-Transition	)	RM- _____
Digital Television Table of Allotment	)	
For Station WLS-TV, Chicago, Illinois	)	

To: The Secretary

Attn: Chief, Video Division  
Media Bureau

**PETITION FOR RULE MAKING**

Pursuant to Section 73.623 of the rules of the Federal Communications Commission ("FCC" or "Commission"),<sup>1</sup> WLS Television, Inc. ("Petitioner"), licensee of commercial digital television ("DTV") station WLS-TV, Chicago, Illinois ("WLS"),<sup>2</sup> by and through its attorneys, hereby submits this Petition for Rule Making ("Petition") to request amendment to the DTV Table of Allotments ("DTV Table") in order to remedy the reception problems that have affected its viewers since its digital transition on June 12, 2009. Specifically, the Petitioner requests substitution of WLS's current post-transition digital allotment, VHF channel 7, for UHF digital channel 44 with the technical parameters set forth in the attached Engineering Statement.<sup>3</sup>

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<sup>1</sup> 47 C.F.R. § 73.623 (2007).

<sup>2</sup> The Petitioner filed a license application for WLS's post-transition DTV facilities on June 12, 2009. See FCC File No. BLCDDT-20090612AEE. This application is pending.

<sup>3</sup> As described in Section III, this Petition is contingent on favorable FCC action in the pending rulemaking proceeding in which the FCC proposes to amend the DTV Table of Allotments to substitute DTV channel 5 for channel 44 at Fond du Lac, Wisconsin. See *Amendment of Section 73.622(i), Final*

## I. BACKGROUND

WLS has served the Chicago, Illinois designated market area (“Chicago DMA”) on channel 7 for over sixty years, commencing operations in October 1943. WLS was an early adopter of DTV technology and obtained a license to operate a full-power DTV facility on channel 52, its pre-transition channel, at the Sears Tower in 2001.<sup>4</sup> WLS elected to operate its post-transition DTV facilities on channel 7, its former analog channel. The FCC allotted to WLS a DTV facility on channel 7 with 3.2 kilowatts (“kW”) effective radiated power (“ERP”) at 515 meters height above average terrain (“HAAT”) and a directional antenna. WLS could not, however, construct facilities with the theoretical and unachievable antenna pattern specified in Appendix B. Accordingly, on June 3, 2008, WLS obtained a construction permit for a DTV facility with 4.75 kW ERP at 515 meters and a non-directional antenna (“WLS CP Facility”).

The WLS CP Facility specifies the largest facility WLS could operate without causing interference to any other DTV station in violation of Section 73.616(e) of the FCC’s rules.<sup>5</sup> However, the Petitioner had concerns that the WLS CP Facility did not specify an adequate ERP to enable continued reception of its signal by its viewers following the DTV transition. The Petitioner commenced operations of the WLS CP Facility on June 12, 2009 and filed a license to cover this facility (“WLS DTV

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*DTV Table of Allotments, Television Broadcast Stations (Fond du Lac, Wisconsin)*, Notice of Proposed Rule Making, DA 09-1490, MB Docket No. 09-115, RM-11543 (rel. Jul. 1, 2009). The rule making proceeding was initiated in response to a petition filed by Station WWAZ-DT, licensed to serve Fond du Lac, Wisconsin, requesting the channel substitution. See *WWAZ License, LLC To Amend the Post-Transition Digital Television Table of Allotment for Station WWAZ-DT, Fond du Lac, WI*, Petition for Rulemaking, MB Docket No. 08-130, RM-11462 (filed Jun. 19, 2008, amended Aug. 22, 2008, supplemented Feb. 23, 2009) (the “WWAZ Petition”).

<sup>4</sup> See FCC File No. BLCDT-20010109AAV.

<sup>5</sup> 47 C.F.R. § 73.616(e) (2007).

Facility”).<sup>6</sup> After the transition, it became apparent that the WLS DTV Facility does not enable WLS to serve many of its former over-the-air analog viewers.

**II. GRANT OF THIS PETITION WOULD SERVE THE PUBLIC INTEREST, COMPLY WITH ALL RELEVANT LAWS AND RULES, AND WOULD NOT CAUSE ANY IMPERMISSIBLE INTERFERENCE**

The FCC’s grant of the instant Petition would serve the public interest because it would allow WLS to provide high quality over the air-service to its former analog viewers who lost WLS’s signal following its permanent transition to all-digital broadcasts on June 12, 2009. Indeed, in the week after the DTV transition on June 12, 2009, WLS received nearly 7,000 telephone calls from viewers. Almost half of these telephone calls reported reception problems. In addition, forty-seven percent of the homes visited by the FCC in late June to assist WLS were determined to have inadequate indoor reception. Viewers experiencing such problems could not receive WLS’s DTV channel 7 signal and, as a result, no longer had access to the ABC network programming and locally-produced programming (including news, emergency information, and other public affairs programming), that they received from WLS prior to the DTV transition.<sup>7</sup> Moreover, the maximum ERP level allotted by the FCC for WLS’s VHF channel 7 transmission is insufficient to reach certain analog viewers who rely on indoor antennas for reception of digital television service.<sup>8</sup> The reception challenge facing WLS is exacerbated by the

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<sup>6</sup> See FCC File No. BLCDDT-200906012AEE.

<sup>7</sup> WLS currently broadcasts over 34 hours of original local news and public affairs programming per week. WLS’s local programming includes the award-winning *190 North*, featuring local culture, theater, food and fun, as well as *Chicagoing*, a weekly public affairs program covering everything from homelessness and racism to celebrity interviews. WLS also airs ten local parades each year, including the Polish Day Parade, the Puerto Rican Day Parade, the Gay Pride Parade, and the 26th Street Mexican Independence Parade. See Comments of The Walt Disney Company, MB Docket 04-233 (filed Apr. 28, 2008) (“TWDC Localism Comments”) (detailing WLS’s extensive efforts to serve its local community). WLS also broadcasts over 2,700 public service announcements each year, benefiting more than thirty local and national organizations and charities. See TWDC Localism Comments.

<sup>8</sup> *Id.*

urban canyon effect whereby tall buildings limit coverage in urban areas such as Chicago. Additionally, WLS's urban over-the-air viewers often reside in high-rise buildings where indoor reception is severely impaired due to wall attenuation. Such viewers also are unlikely to have the option of using rooftop antennas to mitigate reception issues and thus rely on indoor antennas to receive over-the-air television signals.

Since WLS transitioned to all-digital broadcasts and began experiencing these serious reception problems, WLS has been actively working with the FCC to develop a solution to the problems.<sup>9</sup> Allowing WLS to move to channel 44 provides that solution by improving reception to WLS's former analog viewers. As further described in the attached Engineering Exhibit, the proposed channel 44 facility will contain an area of 35,713.2 square kilometers and a population of 9,628,781 persons within the predicted 41 dBu contour. By contrast, the 4.75 kW channel 7 facility contains an area of 30,429.0 square kilometers and a population of 9,450,010 persons. Therefore, a grant of the instant Petition would serve the public interest because it would solve the reception problems that have plagued WLS since the DTV transition.

Furthermore, this proposal is in compliance with all relevant technical requirements for amendment of the FCC's post-transition DTV Table, including Sections 73.616, 73.622(f)(5) and 73.623 of the Commission's rules. Importantly, the instant proposal is the only technical option that Petitioner has been able to identify that will enable it to restore service to its thousands of over-the-air viewers who have become

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<sup>9</sup> As a temporary, interim solution, the Petitioner filed an application on July 21, 2009 to obtain experimental authority to increase its ERP to 9.5 kW, over its current authorized ERP of 4.75 kW, along with a request to waive the interference requirements of Section 73.3616(e) of the FCC's rules (FCC File No. BEXP-20090721 \_\_\_).

disenfranchised from WLS without causing more than 0.5% additional interference to any other affected television station.<sup>10</sup>

### III. REQUEST FOR WAIVER

The instant Petition is contingent on favorable FCC action and implementation of the proposal in MB Docket No. 09-115, in which the FCC has proposed to change the DTV Table by substituting DTV channel 5 at Fond Du Lac, Wisconsin for DTV channel 44.<sup>11</sup> Because grant of the Petition is contingent on favorable FCC action and implementation of the WWAZ Petition, the Petitioner respectfully requests a waiver of Section 73.3517 of the FCC's rules.<sup>12</sup> Section 73.3517, which generally prohibits the filing of contingent applications, was adopted because Commission consideration of contingent applications generally is not "conducive to the efficient transaction of Commission business and imposes unnecessary burdens on the administrative resources" of the Commission.<sup>13</sup> However, this is not the case with respect to the instant Petition.

Thousands of viewers in the Chicago DMA who have been relying for years on WLS for the provision of their local news and information suddenly and unexpectedly (from their perspective) lost access to WLS and its local and ABC network programming on June 12. The Petitioner has been working around the clock, with the support of the FCC, to find interim and permanent solutions to this problem in an effort to restore over-the-air reception to viewers in the Chicago area who no longer can receive WLS over-

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<sup>10</sup> 47 C.F.R. §§ 73.616, 73.622(f)(5) and 73.623.

<sup>11</sup> See note 3, *supra*.

<sup>12</sup> 47 C.F.R. § 73.3517 (2007).

<sup>13</sup> See *Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations (Avalon, California)*, Notice of Proposed Rulemaking, 17 FCC Rcd 15618, ¶ 5 (MB 2000) (waiving the prohibition on contingent applications to permit petitioner to use the DTV channel of another station contingent on Commission grant of a petition for rulemaking filed by the other station to change its DTV channel) ("*Avalon Rulemaking*"), Report and Order, 17 FCC Rcd 17126 (MB 2002) (granting the *Avalon Rulemaking*) (citations omitted).

the-air. To date, however, none of the technical solutions that have been identified could be implemented without some cost to other television stations and viewers—*i.e.*, without creating more than 0.5% additional interference to one or more affected television stations. As a result, the Commission has expended, and continues to expend, substantial resources in an effort to resolve WLS's reception problems in Chicago.

Remarkably, the substitution of DTV channel 44 for DTV channel 7 for WLS can be accomplished in compliance with all relevant FCC technical rules and will not result in the creation of additional interference of greater than 0.5% to any affected television solution. Therefore, grant of a waiver of Section 73.3517 to enable grant of the Petition, in fact, will reduce the Commission's overall expenditure of resources with respect to WLS in this instance. As a result, grant of this waiver request better serves the policy goals of Section 73.3517 than strict enforcement of the rule. Further, the FCC has waived Section 73.3517 previously in situations where circumstances were not as compelling as those set forth herein.<sup>14</sup> Accordingly, given the immediate need to restore service to WLS's over-the-air viewers, the public interest would be served by granting a waiver of Section 73.3517 and the prompt initiation of a rule making proceeding proposing the substitution of DTV channel 44 for DTV channel 7 at Chicago.<sup>15</sup>

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<sup>14</sup> See Avalon Rulemaking; Amendment of Section 73.622(i), Final DTV Table of Allotments, Television Broadcast Stations (Honolulu and Waimanalo, Hawaii), Notice of Proposed Rulemaking, 23 FCC Rcd 10850 (MB 2008) (proposing for two stations to swap their DTV channels such that each station's channel change is contingent on the channel change of the other station), Report and Order, 23 FCC Rcd 15303 (MB 2008) (granting channel swap).

<sup>15</sup> To ensure that the requested channel substitution does not infringe on WWAZ-DT's present operation on DTV channel 44, Petitioner would agree to the imposition of a condition on the grant of a construction permit for WLS to move from DTV channel 7 to DTV channel 44 that prohibits WLS from commencing program test authority on DTV channel 44 until after WWAZ-DT initiates program test authority on DTV channel 5.

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For the foregoing reasons, the Petitioner respectfully requests that the post-transition DTV Table be amended for WLS to substitute DTV channel 44 for DTV channel 7 in Chicago in accordance with the technical parameters provided in the attached Engineering Statement. Upon the Commission's grant of the instant Petition, the Petitioner promptly intends to file an appropriate modification application seeking the Commission's consent to operate on channel 44.

Respectfully submitted,

**WLS TELEVISION, INC.**

By: 

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Washington, DC 20036  
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Its Attorney

July 24, 2009

**ENGINEERING EXHIBIT**

**WLS TELEVISION, INC.  
ENGINEERING EXHIBIT IN SUPPORT OF  
PETITION FOR RULEMAKING TO AMEND SECTION 73.622(i)  
CHANNEL 44 – 473.3 KW (DTV AVERAGE) – 515 METERS HAAT**

**CHICAGO, ILLINOIS**

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**Engineering Statement**

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| <b>Exhibit 1</b> | <b>Map Showing Principal Community Coverage<br/>48 dBu F(50:90) Contour and 41 dBu F(50:90)<br/>Noise Limited Contour</b> |
| <b>Exhibit 2</b> | <b>Interference and Spacing Study Data in<br/>TV Process Output Format</b>  |

## **ENGINEERING EXHIBIT**

### **WLS TELEVISION, INC., ENGINEERING EXHIBIT IN SUPPORT OF PETITION FOR RULEMAKING TO AMEND SECTION 73.622(i) CHANNEL 44 – 473.3 KW (DTV AVERAGE) – 515 METERS HAAT**

**CHICAGO, ILLINOIS**

### **ENGINEERING STATEMENT**

#### **Introduction**

WLS Television, Inc. (WLS) is the licensee of WLS-TV, Chicago, Illinois. WLS was licensed to operate NTSC analog facilities on channel 7 with an effective radiated power of 55 KW at a height above average terrain of 515 meters. FCC File Number BLCT-19820609KE describes the WLS-TV analog channel 7 facilities. This license describes the facilities that were used as the basis for DTV replication facilities.

In the Seventh Report and Order, WLS was assigned a post-transition DTV Allotment on Channel 7 of 3.2 KW at 515 meters HAAT with a directional antenna which bears Antenna ID 74590. This HAAT is identical to the HAAT of the main NTSC antenna.

WLS-TV began operation in October, 1943 and has been serving Chicago since that time. WLS-DT was first licensed in 2001 and continuously has broadcast Digital Television signals on channel 52 until June 12, 2009. The DTV Construction Permit, FCC File Number BMPCDT-20000720ABN, and the subsequent license file number BLCDDT-20010109AAV describe the formerly licensed DTV transmission system which operated on channel 52.

The WLS initial allotment, channel 52, was out of core. WLS decided to return to its NTSC channel for post-transition operation. The recent experience of many WLS off the air viewers prompted thousands of off-the-air viewers, many who reside in densely populated urban areas to call the station or the FCC to seek assistance with their severe reception problems beginning on June 12, 2009, the day of the transition to post-transition DTV transmission. The experiences related to WLS by its viewers has caused WLS to evaluate all possible means to improve service to its viewers.

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**Engineering Statement  
WLS Television, Inc.  
Television Station WLS  
Chicago, Illinois  
July 2009, Page 2 of 5**

Through this petition for rulemaking, WLS believes that service can be materially improved through a change of operating parameters from 4.75 KW on channel 7 to 473.3 KW on channel 44.

WLS has authorized the Carl T. Jones Corporation to prepare this statement and other materials, including TV Process interference studies in support of a petition for rulemaking to amend Section 73.622(i) to substitute channel 44 for channel 7 in Chicago, Illinois.

**Reference Coordinates**

The presently authorized WLS main antenna location is atop the east mast of what is commonly referred to as the Sears Tower Building. The Sears Tower Building is located at 233 South Wacker Drive, Chicago, Illinois, within the city limits of Chicago, Illinois. This structure bears Antenna Structure Registration Number 1032960, and bears NAD 27 geographic coordinates as shown below:

North Latitude: 41° 52' 44" and West Longitude: 087° 38' 08"

**Candidate Channel Evaluation**

A study was conducted to evaluate channel 44 from the above location. With an HAAT equal to the presently authorized 515 meters, the maximum effective radiated power for UHF television stations in Zone I is 473.3 KW.

With use of these parameters, the spacing requirements of Section 73.623(b) are fully met for all channels which require study, except with respect to WWAZ, channel 44, Fond du Lac, Wisconsin. Zone I co-channel spacing requirements specify 196.3 KM between UHF television stations and the WWAZ facility is 188.0 kilometers distant, which is 8.3 kilometers short of the requirement.

WWAZ has petitioned the Commission to amend Section 73.622(i) to substitute channel 5 in place of channel 44. The station has suffered financial hardship in recent times. As such, it is very unlikely that WWAZ will resume operation of its channel 44 facility on a permanent basis.

**Engineering Statement  
WLS Television, Inc.  
Television Station WLS  
Chicago, Illinois  
July 2009, Page 3 of 5**

The WWAZ move to channel 5 will make channel 44 available in Chicago. Nearby channel 44 facilities are:

WZPX, Battle Creek, MI, 229.3 KM distant (BLCDT-20020510AAG)  
WRSP, Springfield, IL, 276.8 KM distant (BLCDT-20080620AGF)

Section 73.623(d) requires a separation of 196.3 KM between co-channel DTV stations on channel 44 in TV Zone I.

Adjacent channel facilities are located in Chicago. Channel 45 is located on the Sears Tower Building.

Channel 43, WCPX (BPCDT-20080619A1L) is approximately 1.9 KM distant.  
Channel 45, WSNS (BLCDT-20010612A1B) is co-located on the Sears Tower.

Section 73.623(d) requires that no adjacent channel facilities exist between 24 KM and 110 KM. Because of the close proximity of the two facilities above, the requirement of Section 73.623(d) is satisfied.

No NTSC facilities above and below the candidate channel by 2, 3, 4, 7, and 8 channels are allowed between 24.1 KM and 80.5 KM. Channels above channel 44 by 14 and 15 channels are also subject to this requirement and are out of core channels 58 and 59.

Section 73.623(c)(1) requires the entire principal community be contained within the 48 dBu contour for UHF stations.

Exhibit 1 is a map that clearly demonstrates that this requirement is satisfied by the proposed channel 44 facility. Distances to each plotted contour were calculated by the methods described in the Commission's rules.

The proposed channel 44 facility will contain an area of 35,713.2 square kilometers and a population of 9,628,781 persons within the predicted 41 dBu contour. By contrast, the 4.75 KW channel 7 facility contains an area of 30,429.0 square kilometers and a population of 9,450,010 persons. The proposed facility will increase the population within the WLS noise limited contour by 178,771 persons.

**Engineering Statement**  
**WLS Television, Inc.**  
**Television Station WLS**  
**Chicago, Illinois**  
**July 2009, Page 4 of 5**

**Interference Study**

The results of an interference study are contained in Exhibit 2. The data are in TV Process output format.

Section 73.616 prohibits impermissible interference. Impermissible interference for DTV stations is defined as additional interference that is greater than 0.5%.

The TV Process Interference Study that is part of this exhibit shows interference calculations that demonstrate no greater than 0.3% additional interference is caused to any DTV facility. There is no interference to any class A station.

The TV Process output shows 30 affected stations were studied and a total of 99 result keys contain numerical results of these interference calculations. Several affected stations were found to generate no numerical results, and these stations did not produce an additional result key.

**Protection to Post-Transition DTV Authorized Facilities and Allotments**

The TV Process calculations of new interference to other stations caused by the use of 473.3 KW ERP at the proposed HAAT of 515 meters are summarized below:

43 WCPX, Chicago, IL	0.3% Additional Interference
44 WRSP, Springfield, IL	0.2% Additional Interference
44 WZPX, Battle Creek, MI	0.1% Additional Interference
45 WSNS, Chicago, IL	0.1% Additional Interference
44 WWAZ, Fond du Lac, WI	15.2% additional interference (1)

(1) WWAZ has filed a Petition for Rulemaking to move to channel 5.

Complete TV Process results are contained in the attached figure that is labeled Exhibit 2.

**Engineering Statement  
WLS Television, Inc.  
Television Station WLS  
Chicago, Illinois  
July 2009, Page 5 of 5**

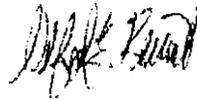
**Conclusion**

The proposed rule making to substitute channel 44 for use in Chicago, Illinois, meets the requirements of the Commission's Rules for post-transition operation once WWAZ has finalized its move to channel 5. The proposed WLS channel 44 offers a possibility to serve Chicago with a UHF signal and generates additional interference that is no greater than approximately 0.3% to any station or allotment, except WWAZ, which has filed to move to channel 5.

The proposed use of channel 44 in Chicago, while meeting all applicable requirements of the Rules, also offers a potential solution to urbanized area reception problems that are being faced by thousands of off-the-air WLS viewers and for this reason, a grant of the associated Petition for Rulemaking would be in the public interest.

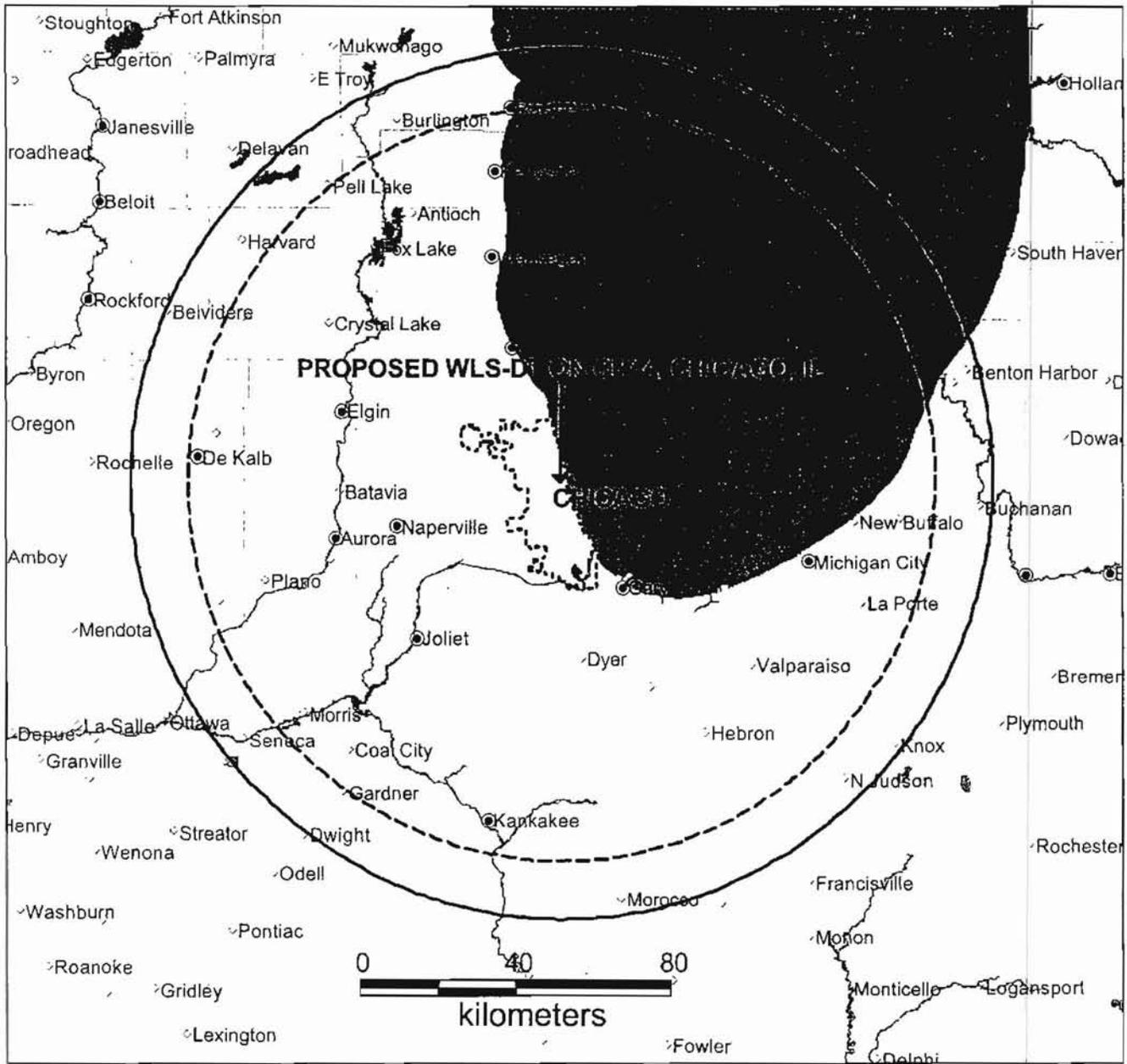
**Certification**

I certify that, on behalf of WLS Television, Inc., the information in this statement was prepared by me or under my supervision with the assistance of Zar B. Aung, EIT. On behalf of WLS Television, Inc., I have prepared or reviewed the information that is contained in this Statement, and after such review and examination have found it to be accurate and true to the best of my knowledge and belief.



Signed: \_\_\_\_\_  
Alfred E. Resnick, P. E.

Dated: July 24, 2009



**PREDICTED COVERAGE CONTOURS**

PROPOSED WLS-DT Ch 44, CHICAGO, IL  
473.33 kW, 515 mHAAT  
695.4 mRCAMSL, NOND ANT

Predicted Noise Limited Coverage Contour  
F(50,90), 41 dBu

Predicted Principal Community Coverage Contour  
F(50,90), 48 dBu

JULY 2009

**CARL T. JONES**  
CORPORATION

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-23-2009 Time: 18:59:03

Record Selected for Analysis

WLS-TV BPCDT -NEWWLSDT44 CHICAGO IL US  
Channel 44 ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Latitude 041-52-44 Longitude 0087-38-08  
Status APP Zone 1 Border C  
Last update Cutoff date 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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	473.330	518.2	108.7
45.0	473.330	519.4	108.8
90.0	473.330	519.4	108.8
135.0	473.330	519.4	108.8
180.0	473.330	514.7	108.5
225.0	473.330	512.9	108.3
270.0	473.330	509.8	108.1
315.0	473.330	511.0	108.2

Evaluation toward Class A Stations

Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BSTA 20060109ACO  
Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BPTTA 20050127ALO  
Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BLTTA 20060103ACT  
Station inside contour of Class A station  
WMEU-CA 48 CHICAGO IL BSTA 20081015AAR  
Station inside contour of Class A station  
WMEU-CA 48 CHICAGO IL BPTTA 20080804ABH  
Station inside contour of Class A station  
WMEU-CA 48 CHICAGO IL BSTA 20041103AKF

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WLS-TV 44 CHICAGO IL BPCDT NEWWLSDT44

and station

SHORT TO: WWAZ-TV 44 FOND DU LAC WI BMPCDT 20040209ABG

043-26-20 0088-31-29

Req. separation 196.3 Actual separation 188.0 Short 8.3 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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

.....

Start of Interference Analysis

Channel	Proposed Station	ARN	
44	Call City/State WLS-TV CHICAGO IL	BPCDT	NEWWLSDT44

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
30	WSPY-LP	PLANO IL	81.5	LIC	BLTTL	-19900514IR
41	WOCH-CA	CHICAGO IL	2.5	APP	BSTA	-20060109ACO
41	WOCH-CA	CHICAGO IL	2.5	APP	BPTTA	-20050127ALO
41	WOCH-CA	CHICAGO IL	2.5	LIC	BLTTA	-20060103ACT
41	WMLW-CA	MILWAUKEE WI	139.1	LIC	BLTTA	-20021002AAA
43	WCPX	CHICAGO IL	1.9	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	0.0	LIC	BLCDD	-20010226ABH
43	WWRS-TV	MAYVILLE WI	187.8	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	187.8	LIC	BLCDD	-20050825AEW
44	WRSP-TV	SPRINGFIELD IL	276.8	LIC	BDSTA	-WRSP44APPB
44	WRSP-TV	SPRINGFIELD IL	276.8	LIC	BLCDD	-20050317ADQ
44	WRSP-TV	SPRINGFIELD IL	276.8	CP	BPCDT	-20080620AGF
44	WDTI	INDIANAPOLIS IN	251.9	LIC	BMPEDD	-WDTI44APPB
44	WDTI	INDIANAPOLIS IN	251.2	CP MOD	BMPEDD	-20070523ACG
44	WDTI	INDIANAPOLIS IN	251.2	CP	BPEDT	-20080617AEQ
44	WZPX	BATTLE CREEK MI	229.3	LIC	BLCDD	-20020510AAG
44	WWJ-TV	DETROIT MI	373.0	LIC	BLCDD	-19990720LH
44	WWJ-TV	DETROIT MI	373.0	APP	BMPCDD	-20080616ABD
44	WWJ-TV	DETROIT MI	373.0	CP	BPCDT	-20080130AOM
44	WTLW	LIMA OH	313.7	CP MOD	BMPCDD	-20080616ABV
44	WWAZ-TV	FOND DU LAC WI	188.0	CP MOD	BMPCDD	-20040209ABG
45	WSNS-TV	CHICAGO IL	0.0	LIC	BLCDD	-20010612AIB
45	WSNS-TV	CHICAGO IL	0.0	CP	BPCDT	-20080620AMW
45	WLLA	KALAMAZOO MI	194.7	LIC	BPCDT	-WLLA45APPB
45	WLLA	KALAMAZOO MI	194.7	LIC	BLCDD	-20070529AEA
48	WMEU-CA	BLUE ISLAND IL	42.2	LIC	BLTTA	-20041008AAN
48	WMEU-CA	CHICAGO IL	0.0	APP	BSTA	-20081015AAR
48	WMEU-CA	CHICAGO IL	0.0	CP	BPTTA	-20080804ABH
48	WMEU-CA	CHICAGO IL	0.0	STA	BSTA	-20041103AKF
51	WCFC-CA	ROCKFORD IL	123.7	LIC	BLTTA	-20020620AAI

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WSPY-LP	PLANO IL	BLTTL -19900514IR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	81.5	APP	BPCDT	-NEWWLSDT44
23	WIFR	FREEPORT IL	85.7	CP MOD	BMPCDT	-20080613AAB
27	WCIU-TV	CHICAGO IL	81.5	CP MOD	BMPCDT	-20021202ABR
27	WCIU-TV	CHICAGO IL	81.5	APP	BPCDT	-20080619ACH
28	WYZZ-TV	BLOOMINGTON IL	124.0	CP MOD	BMPCDT	-20030805AHV
29	WMAQ-TV	CHICAGO IL	81.5	LIC	BLCDT	-20010531ACY
30	WMBD-TV	PEORIA IL	140.0	CP MOD	BMPCDT	-20060314ABP
30	WHLA-TV	LA CROSSE WI	329.4	LIC	BMLEDT	-20041013AAL
31	WFLD	CHICAGO IL	81.5	CP	BPCDT	-20080616AAN
31	WFLD	CHICAGO IL	81.5	LIC	BLCDT	-20050606ABF
38	WGBO-TV	JOLIET IL	83.1	CP MOD	BMPCDT	-20080618AEI
45	WSNS-TV	CHICAGO IL	81.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	81.5	CP	BPCDT	-20080620AMW

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WOCH-CA	CHICAGO IL	BSTA -20060109ACO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	2.5	APP	BPCDT	-NEWWLSDT44
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDT	-20080620ANH
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122ACP
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDT	-20080618AEI
41	KGCW-TV	BURLINGTON IA	278.3	APP	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT	-19991028AFB
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WIFR	FREEPORT IL	135.1	LIC	BLCDT	-20041012AIQ
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDT	-20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDT	-20080620AEI

42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDDT	-20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDDT	-20080619AIL
43	WCPX	CHICAGO IL	2.5	LIC	BLCDDT	-20010226ABH
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDDT	-20080620AMW
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDDT	-20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDDT	-20070823AED
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDDT	-20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDDT	-20080620ACE

Proposal causes no interference

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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	BPTTA -20050127ALO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WLS-TV	CHICAGO IL	2.5	APP	BPCDDT -NEWWLSDT44
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDDT -20080620ANH
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDDT -20080122AOP
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDDT -20050412ADP
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDDT -20080618AEI
41	KGCW-TV	BURLINGTON IA	278.3	APP	BMPCDDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDDT -19991028AFB
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDDT -20041215AAN
41	WIFR	FREESPORT IL	135.1	LIC	BLCDDT -20041012AIQ
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDDT -20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDDT -20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDDT -20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDDT -20040614AEY
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDDT -20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDDT -20080207AAN
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDDT -20080620AEI
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDDT -20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDDT -20080619AIL
43	WCPX	CHICAGO IL	2.5	LIC	BLCDDT -20010226ABH
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDDT -20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDDT -20080620AMW
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDDT -20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDDT -20070823AED
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDDT -20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDDT -20080620ACE

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	2.5	APP	BPCDT	-NEWWLSDT44
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDT	-20080620ANH
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122AOP
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDT	-20080618AEI
41	KGCW-TV	BURLINGTON IA	278.3	APP	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT	-19991028AFB
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WIFR	FREEPOR IL	135.1	LIC	BLCDT	-20041012AIQ
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDT	-20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDT	-20080620AEI
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDT	-20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDT	-20080620AMW
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDT	-20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDT	-20080620ACE

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 4  
Before Analysis

Results for: 41N IL CHICAGO	BLTTA	20060103ACT	LIC
within Noise Limited Contour	POPULATION 3683605	AREA (sq km) 1628.5	
not affected by terrain losses	3683605	1628.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	14068	4.0	
lost to all IX	14068	4.0	

Potential Interfering Stations Included in above Scenario 1

43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC

After Analysis

Results for: 41N IL CHICAGO	BLTTA	20060103ACT	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3683605	1628.5	
not affected by terrain losses	3683605	1628.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	14068	4.0	
lost to all IX	14068	4.0	

Potential Interfering Stations Included in above Scenario 1

43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

Result key: 2  
Scenario 2 Affected station 4  
Before Analysis

Results for: 41N IL CHICAGO	BLTTA	20060103ACT	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3683605	1628.5	
not affected by terrain losses	3683605	1628.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	68031	12.0	
lost to all IX	68031	12.0	

Potential Interfering Stations Included in above Scenario 2

43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BPCDT	20080620AMW	CP

After Analysis

Results for: 41N IL CHICAGO	BLTTA	20060103ACT	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3683605	1628.5	
not affected by terrain losses	3683605	1628.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	68031	12.0	
lost to all IX	68031	12.0	

Potential Interfering Stations Included in above Scenario 2

43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BPCDT	20080620AMW	CP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMLW-CA	MILWAUKEE WI	BLTTA -20021002AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WLS-TV	CHICAGO IL	139.1	APP	BPCDT -NEWWLSDT44
33	WITI	MILWAUKEE WI	2.8	APP	BMPCDT -20080620ANH
33	WITI	MILWAUKEE WI	3.6	CP MOD	BMPCDT -20080122AOP
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDT -20050412ADP
38	WGBO-TV	JOLIET IL	137.1	CP MOD	BMPCDT -20080618AEI
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDT -20051004ABD
40	WPXE	KENOSHA WI	2.8	LIC	BLCDT -20040206AAT
41	KGCW-TV	BURLINGTON IA	323.3	APP	BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	323.3	CP	BPCDT -19991028AFB
41	WICD	CHAMPAIGN IL	338.1	CP MOD	BMPCDT -20041215AAN
41	WIFR	FREEPORT IL	135.9	LIC	BLCDT -20041012AIQ
41	WXYZ-TV	DETROIT MI	388.3	CP	BPCDT -20080228AAC
41	WXYZ-TV	DETROIT MI	388.3	APP	BMPCDT -20080618ABH
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDT -20030325ABI
41	WGBA	GREEN BAY WI	138.6	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	138.6	APP	BMPCDT -20080620AEI
43	WCPX	CHICAGO IL	137.3	APP	BPCDT -20080619AIL
43	WCPX	CHICAGO IL	139.1	LIC	BLCDT -20010226ABH
43	WWSR-TV	MAYVILLE WI	60.2	APP	BPCDT -20080618ATT
43	WWSR-TV	MAYVILLE WI	60.2	LIC	BLCDT -20050825AEW
44	WWAZ-TV	FOND DU LAC WI	60.3	CP MOD	BMPCDT -20040209ABG
45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	139.1	CP	BPCDT -20080620AMW
48	WBME-TV	RACINE WI	29.4	LIC	BMLCDT -20070823AED
48	WBME-TV	RACINE WI	0.0	CP MOD	BMPCDT -20080617AAA
48	WBME-TV	RACINE WI	0.0	APP	BMPCDT -20080620ACE

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	1.9	APP	BPCDT	-NEWWLSDT44
42	WQRF-TV	ROCKFORD IL	133.9	CP MOD	BMPCDT	-20070207ABW
42	WNDU-TV	SOUTH BEND IN	122.3	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	122.3	APP	BPCDT	-20080619AAB
43	KFXB	DUBUQUE IA	255.3	APP	BMPCDT	-20080619ALC
43	KFXB	DUBUQUE IA	255.3	CP	BPCDT	-19991028ACY
43	KFXB	DUBUQUE IA	255.3	APP	BDSTA	-20080229AAC
43	WTVS	DETROIT MI	372.7	LIC	BLEDT	-20001117ABV
43	WTVS	DETROIT MI	372.7	APP	BPEDT	-20080620AAL
43	WWRS-TV	MAYVILLE WI	186.1	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	186.1	LIC	BLCDT	-20050825AEW
44	WZPX	BATTLE CREEK MI	228.5	LIC	BLCDT	-20020510AAG
44	WWAZ-TV	FOND DU LAC WI	186.3	CP MOD	BMPCDT	-20040209ABG

Total scenarios = 8

Result key: 3  
Scenario 1 Affected station 6  
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	44851	795.0
lost to ATV IX only	44851	795.0
lost to all IX	44851	795.0

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BLCDT	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	74497	1023.9
lost to ATV IX only	74497	1023.9
lost to all IX	74497	1023.9

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 1

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 00000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 4  
Scenario 2 Affected station 6  
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	81342	1076.1
lost to ATV IX only	81342	1076.1
lost to all IX	81342	1076.1

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	109610	1300.9
lost to ATV IX only	109610	1300.9
lost to all IX	109610	1300.9

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 2

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 0000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 5  
Scenario 3 Affected station 6  
Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	47256	819.1
lost to ATV IX only	47256	819.1
lost to all IX	47256	819.1

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	76902	1048.0
lost to ATV IX only	76902	1048.0
lost to all IX	76902	1048.0

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 3

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 00000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 6  
Scenario 4 Affected station 6  
Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	79679	1064.0
lost to ATV IX only	79679	1064.0
lost to all IX	79679	1064.0

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	107947	1288.9
lost to ATV IX only	107947	1288.9
lost to all IX	107947	1288.9

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 4

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDE 0000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 7  
Scenario 5 Affected station 6  
Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 222.0 kW		
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	82928	1160.4
lost to ATV IX only	82928	1160.4
lost to all IX	82928	1160.4

Potential Interfering Stations Included in above Scenario 5

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP

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	111123	1377.2
lost to ATV IX only	111123	1377.2
lost to all IX	111123	1377.2

Potential Interferring Stations Included in above Scenario 5

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 5

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 0000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 8  
Scenario 6 Affected station 6  
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	48842	903.4
lost to ATV IX only	48842	903.4
lost to all IX	48842	903.4

Potential Interferring Stations Included in above Scenario 6

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	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	78415	1124.2
lost to ATV IX only	78415	1124.2
lost to all IX	78415	1124.2

Potential Interfering Stations Included in above Scenario 6

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 6

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 0000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 9  
Scenario 7 Affected station 6  
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	81265	1148.3
lost to ATV IX only	81265	1148.3
lost to all IX	81265	1148.3

Potential Interfering Stations Included in above Scenario 7

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BPCDT	20080618ATT	APP

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	109460	1365.1
lost to ATV IX only	109460	1365.1
lost to all IX	109460	1365.1

Potential Interfering Stations Included in above Scenario 7

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 7

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 00000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Result key: 10  
Scenario 8 Affected station 6  
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	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 8

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BLCDT	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	76010	1100.1
lost to ATV IX only	76010	1100.1
lost to all IX	76010	1100.1

Potential Interfering Stations Included in above Scenario 8

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BPCDT	20050825AEW	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

The following station failed the de minimis interference criteria.

44D IL CHICAGO BPCDT NEWWLSDT44  
ERP 473.33 kW HAAT 515.0 m RCAMSL 695.4 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 8

43D IL CHICAGO BPCDT 20080619AIL  
ERP 222.00 kW HAAT 510.0 m RCAMSL 689.1 m  
Antenna CDB 00000000087506

Percent Service lost without proposal: 0.0 to BPCDT 20080619AIL  
Percent Service lost with proposal: 0.3 to BPCDT 20080619AIL

Proposed station is MX

44A IL CHICAGO	BPCDT	NEWWLSDT44	APP
43A IL CHICAGO	BPCDT	20080619AIL	APP

Proposal MX with BPCDT 20080619AIL scenario 1 of station 6

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WCPX	CHICAGO IL	BLCDT	-20010226ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	0.0	APP	BPCDT	-NEWWLSDT44
42	WQRF-TV	ROCKFORD IL	134.5	CP MOD	BMPCDT	-20070207ABW
42	WNDU-TV	SOUTH BEND IN	121.9	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.8	APP	BPCDT	-20080619AAB
43	KFXB	DUBUQUE IA	255.8	APP	BMPCDT	-20080619ALC
43	KFXB	DUBUQUE IA	255.8	CP	BPCDT	-19991028ACY
43	KFXB	DUBUQUE IA	255.8	APP	BDSTA	-20080229AAC
43	WTVS	DETROIT MI	373.0	LIC	BLEDT	-20001117ABV
43	WTVS	DETROIT MI	373.0	APP	BPEDT	-20080620AAL
43	WWRS-TV	MAYVILLE WI	187.8	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	187.8	LIC	BLCDT	-20050825AEW
44	WWAZ-TV	FOND DU LAC WI	188.0	CP MOD	BMPCDT	-20040209ABG

Total scenarios = 12

Result key: 11  
Scenario 1 Affected station 7  
Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36987	718.9
lost to ATV IX only	36987	718.9
lost to all IX	36987	718.9

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

After Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	40396	783.2
lost to ATV IX only	40396	783.2
lost to all IX	40396	783.2

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP

Result key: 12  
Scenario 2 Affected station 7  
Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	67391	1028.1
lost to ATV IX only	67391	1028.1
lost to all IX	67391	1028.1

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	70800	1092.4
lost to ATV IX only	70800	1092.4
lost to all IX	70800	1092.4

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BMPCDT	20070207ABW	CP
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BPCDT	NEWWLSDT44	APP