



**STATEMENT OF WILLIAM J. GETZ
IN SUPPORT OF A REQUEST FOR WAIVER
WLS-TV, CHICAGO, ILLINOIS
FACILITY ID. 73226
JANUARY, 2019**

Applicant: WLS Television, Inc.

I am a Radio 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.

This office has been authorized by WLS Television, Inc. (WLS-TV) to prepare this material in support of a request for waiver of its post-Incentive Auction Transition Phase Assignment, Testing Period and Phase Completion Date in order to allow WLS-TV, Chicago, IL, to make the transition to its post-Incentive Auction channel earlier than its assigned transition date.

WLS-TV is presently licensed to operate on RF Channel 44 pursuant to FCC License File No. 0000058239. As a result of the FCC's Incentive Auction, WLS-TV was repacked to RF Channel 22 and was assigned transition Phase 8 which requires WLS-TV to transition to its post-auction channel by March 13, 2020. WLS-TV holds a construction permit, FCC File No. 0000034300, to operate on Channel 22 in accordance with its mandated reassignment. This material supports the Applicant's request for an earlier transition (and reassignment to Phase 6) which is scheduled to begin on September 7, 2019 and end on October 18, 2019.

As demonstrated herein, the proposed earlier transition will comply with FCC's interference rules and will not result in any new downstream linked station sets.

Linked Station Sets and Linked Station Neighbor Stations

Based on the FCC's November 30, 2018, Linked Station Set (LSS) and Linked Station Neighbor (LSN) spreadsheets, the WLS-TV facility is not part of any LSS or LSN group. Further, based on the study results discussed below, the proposed early transition for WLS-TV will not create any new unaddressed pairwise interference cases or linked station sets.

DTV Allocation Considerations

A study was performed using the FCC's software program, *tvstudy*, v.2.2.5, to ensure that the WLS-TV Channel 22 facility protects relevant DTV facilities in the current allocation environment.¹ As demonstrated in the attached study results, the proposed WLS-TV early transition to RF Channel 22 is predicted to cause no new interference exceeding 0.5% to the populations served by any stations other than WSBT-FM, South Bend, Indiana (a Phase 6 station which will transition off Channel 22

¹ Note that WFRV-TV, Green Bay, WI (Presently on RF Channel 39) is included in the attached "Current Allocation Environment" *tvstudy* results. WFRV-TV is set to transition to RF Channel 22 in Transition Phase 3. Because the WFRV-TV transition will occur prior to the proposed WLS-TV Phase 6 transition, WFRV-TV (Channel 22) was included in the Current Allocation Environment. As shown in the *tvstudy* results, WLS-TV (Channel 22) properly protects WFRV-TV (Channel 22). Note also, assuming the FCC approves the early transition requested herein, it is presently anticipated that WLS-TV will operate on RF Channel 22 in Phase 6 for a short time with an FCC-authorized, co-located, rule-compliant temporary facility which will cause no prohibited interference and will not result in any new pairwise interference cases or linked station sets, other than with respect to WSBT. The temporary facility will be operated until the WLS-TV Channel 22 main facility authorized in the outstanding construction permit may be fully implemented and, thereafter, will be licensed as a permanent auxiliary facility for WLS-TV Channel 22.

to its post-auction Channel 29 in cooperation and coordination with WLS-TV) and WVCY-TV, Milwaukee, Wisconsin (which no longer broadcasts on RF Channel 22 due its relinquishment as part of the incentive auction). Further, as demonstrated in the attached study results, there are no cases of received interference exceeding 0.5% to the WLS-TV Channel 22 facility.

In light of the above, it is submitted that the proposed early transition for WLS-TV will result in no new interference cases, either caused or received, nor will the proposal result in the creation of any new downstream linked station sets.

This statement has been prepared by me or under my direct supervision and is believed to be true and correct.

DATED: January 17, 2019


William J. Getz

Interference Caused Analysis – WLS-TV Channel 22 Current Allocation Environment

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: BLANK0000034300 #3939, Model: Longley-Rice

Start: 2019.01.17 10:26:19

Study created: 2019.01.17 10:26:19

Study build station data: LMS TV 2019-01-16

Proposal: WLS-TV D22 DT CP CHICAGO, IL
File number: BLANK0000034300
Facility ID: 73226
Station data: LMS TV 2019-01-16
Record ID: 25076f91619169b50161d919538a7ca6
Country: U.S.
Zone: I

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000034056 WXIN D22 DT CP INDIANAPOLIS, IN BLANK0000034056
0000034608 WCIU-TV D23 DT CP CHICAGO, IL BLANK0000034608
0000034920 WJYS D21 DT CP HAMMOND, IN BLANK0000034920
0000034932 WLLA D22 DT CP KALAMAZOO, MI BLANK0000034932

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-----|---------|------|-----|--------|-------------------|-------------------|----------|
| No | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 276.7 km |
| No | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 236.1 |
| Yes | WJYS | D21 | DT | BL | HAMMOND, IN | DTVBL32334 | 0.0 |
| No | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 250.9 |
| No | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 229.3 |
| No | WCMW | D21 | DT | LIC | MANISTEE, MI | BLEDT20090612ABH | 265.2 |
| No | WIFS | D21 | DT | CP | JANESVILLE, WI | BLANK0000034588 | 203.4 |
| No | WIFS | D21 | DT | APP | JANESVILLE, WI | BLANK0000064353 | 203.4 |
| No | WMKE-CD | D21 | DC | LIC | MILWAUKEE, WI | BLDTA20150126AAQ | 137.1 |
| No | WCWF | D21 | DT | LIC | SURING, WI | BLCDT20091015ABT | 274.3 |
| Yes | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | 353.6 |
| Yes | WBUI | D22 | DT | LIC | DECATUR, IL | BLCDT20091119ACF | 237.1 |
| No | WTVW | D22 | DT | CP | EVANSVILLE, IN | BLANK0000034881 | 429.1 |
| Yes | WXIN | D22 | DT | BL | INDIANAPOLIS, IN | DTVBL146 | 251.9 |
| Yes | WSBT-TV | D22 | DT | LIC | SOUTH BEND, IN | BLCDT20090224ABF | 121.2 |
| No | WVUT | D22 | DT | LIC | VINCENNES, IN | BLEDT20090709AFJ | 359.0 |
| No | WCVN-TV | D22 | DT | CP | COVINGTON, KY | BLANK0000034633 | 412.6 |
| No | WNEM-TV | D22 | DT | LIC | BAY CITY, MI | BLCDT20050615ACI | 356.8 |
| No | WDWO-CD | D22 | DC | CP | DETROIT, MI | BLANK0000028102 | 362.3 |
| Yes | WLLA | D22 | DT | BL | KALAMAZOO, MI | DTVBL11033 | 194.7 |
| No | WBGU-TV | D22 | DT | LIC | BOWLING GREEN, OH | BLANK0000063785 | 321.1 |
| No | WCPO-TV | D22 | DT | LIC | CINCINNATI, OH | BLCDT20101216AAF | 404.9 |
| No | WOCB-CD | D22 | DC | CP | MARION, OH | BLANK0000034205 | 421.5 |
| Yes | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 274.3 |
| Yes | WVCY-TV | D22 | DT | LIC | MILWAUKEE, WI | BMLEDT20091116ABD | 137.1 |
| No | WLWK-CD | D22 | DC | LIC | STURGEON BAY, WI | BLANK0000001464 | 336.9 |
| Yes | WCIU-TV | D23 | DT | BL | CHICAGO, IL | DTVBL71428 | 0.1 |
| No | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 236.6 |
| No | WQPT-TV | D23 | DT | LIC | MOLINE, IL | BLEDT20030702AAR | 236.6 |
| No | WIPB | D23 | DT | LIC | MUNCIE, IN | BLEDT20090717ABL | 273.5 |
| No | W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 199.6 |
| No | W23BW-D | D23 | DC | LIC | MADISON, WI | BLDTA20140827AAD | 199.6 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Latitude: 41 52 44.00 N (NAD83)
Longitude: 87 38 8.00 W
Height AMSL: 698.9 m
HAAT: 518.0 m
Peak ERP: 1000 kW
Antenna: DIE-TFU-15ETT/VP-R S140 (ID 1002866) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.20

39.6 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|--------|---------|----------|
| 0.0 deg | 679 kW | 522.1 m | 115.5 km |
| 45.0 | 524 | 523.9 | 113.2 |
| 90.0 | 523 | 523.5 | 113.1 |
| 135.0 | 708 | 523.8 | 116.0 |
| 180.0 | 694 | 516.5 | 115.3 |
| 225.0 | 932 | 516.2 | 118.1 |
| 270.0 | 870 | 513.3 | 117.2 |
| 315.0 | 696 | 515.4 | 115.3 |

Database HAAT does not agree with computed HAAT
Database HAAT: 518 m Computed HAAT: 519 m

ERP exceeds maximum
ERP: 1000 kW ERP maximum: 462 kW

Distance to Canadian border: 371.2 km

Distance to Mexican border: 1825.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 59.1 degrees Distance: 160.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 268.4 degrees Distance: 1484.9 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

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

Interference to DTVBL32334 BL scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|------------------|-----------|-----------------|-----------|-------------------|------------------|-------------------|----------------|
| | WJYS | D21 | DT | BL | HAMMOND, IN | DTVBL32334 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.0 |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 276.7 |
| | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 250.9 |
| | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 229.3 |
| | WIFS | D21 | DT | CP | JANESVILLE, WI | BLANK0000034588 | 203.4 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 25446.4 | 9,647,307 | 25446.4 | 9,647,307 | 24320.2 | 9,527,634 | 24044.3 9,526,907 | 1.13 0.01 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| WLS-TV D22 DT BL | | 265.2 | 13,382 | 249.1 | 4,164 | | |
| WLS-TV D22 DT CP | | 553.2 | 17,109 | | | 525.0 4,891 | |

| | | | | | | |
|-------------------|-------|---------|-------|---------|-------|---------|
| KGCW D21 DT CP | 4.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| WFYI D21 DT LIC | 28.3 | 212 | 8.1 | 60 | 0.0 | 0 |
| WZPX-TV D21 DT CP | 8.0 | 46 | 0.0 | 0 | 0.0 | 0 |
| WIFS D21 DT CP | 869.0 | 115,449 | 836.8 | 106,093 | 832.8 | 103,153 |

Interference to DTVBL32334 BL scenario 2

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance | | |
|-------------------|---------|-------------------|-----|-------------------|-------------------|-------------------|----------------|--|--|
| | WJYS | D21 | DT | BL | HAMMOND, IN | DTVBL32334 | | | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km | | |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.0 | | |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 276.7 | | |
| | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 250.9 | | |
| | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 229.3 | | |
| | WIFS | D21 | DT | APP | JANESVILLE, WI | BLANK0000064353 | 203.4 | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX | | |
| 25446.4 9,647,307 | | 25446.4 9,647,307 | | 24332.2 9,530,959 | | 24056.3 9,530,232 | 1.13 0.01 | | |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | | | |
| WLS-TV D22 DT BL | | | | 13,382 | 249.1 4,164 | | | | |
| WLS-TV D22 DT CP | | | | 17,109 | | 525.0 4,891 | | | |
| KGCW D21 DT CP | | | | 4.0 0 | 0.0 0 | 0.0 0 | | | |
| WFYI D21 DT LIC | | | | 28.3 212 | 12.1 62 | 4.0 2 | | | |
| WZPX-TV D21 DT CP | | | | 8.0 46 | 0.0 0 | 0.0 0 | | | |
| WIFS D21 DT APP | | | | 852.9 112,122 | 824.8 102,768 | 820.8 99,828 | | | |

Interference to DTVBL32334 BL scenario 3

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance | | |
|-------------------|---------|-------------------|-----|-------------------|-------------------|-------------------|----------------|--|--|
| | WJYS | D21 | DT | BL | HAMMOND, IN | DTVBL32334 | | | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km | | |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.0 | | |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 236.1 | | |
| | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 250.9 | | |
| | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 229.3 | | |
| | WIFS | D21 | DT | CP | JANESVILLE, WI | BLANK0000034588 | 203.4 | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX | | |
| 25446.4 9,647,307 | | 25446.4 9,647,307 | | 24308.1 9,527,575 | | 24032.2 9,526,848 | 1.13 0.01 | | |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | | | |
| WLS-TV D22 DT BL | | | | 13,382 | 249.1 4,164 | | | | |
| WLS-TV D22 DT CP | | | | 17,109 | | 525.0 4,891 | | | |
| KGCW D21 DT APP | | | | 44.4 1,732 | 12.1 59 | 12.1 59 | | | |
| WFYI D21 DT LIC | | | | 28.3 212 | 8.1 60 | 0.0 0 | | | |
| WZPX-TV D21 DT CP | | | | 8.0 46 | 0.0 0 | 0.0 0 | | | |
| WIFS D21 DT CP | | | | 869.0 115,449 | 804.5 104,420 | 800.5 101,480 | | | |

Interference to DTVBL32334 BL scenario 4

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance | | |
|-------------------|---------|-------------------|-----|-------------------|-------------------|-------------------|----------------|--|--|
| | WJYS | D21 | DT | BL | HAMMOND, IN | DTVBL32334 | | | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km | | |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.0 | | |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 236.1 | | |
| | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 250.9 | | |
| | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 229.3 | | |
| | WIFS | D21 | DT | APP | JANESVILLE, WI | BLANK0000064353 | 203.4 | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX | | |
| 25446.4 9,647,307 | | 25446.4 9,647,307 | | 24320.1 9,530,900 | | 24044.2 9,530,173 | 1.13 0.01 | | |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | | | |
| WLS-TV D22 DT BL | | | | 13,382 | 249.1 4,164 | | | | |

| | | | | | | |
|-------------------|-------|---------|-------|---------|-------|--------|
| WLS-TV D22 DT CP | 553.2 | 17,109 | | | 525.0 | 4,891 |
| KGCW D21 DT APP | 44.4 | 1,732 | 12.1 | 59 | 12.1 | 59 |
| WFYI D21 DT LIC | 28.3 | 212 | 12.1 | 62 | 4.0 | 2 |
| WZPX-TV D21 DT CP | 8.0 | 46 | 0.0 | 0 | 0.0 | 0 |
| WIFS D21 DT APP | 852.9 | 112,122 | 792.5 | 101,095 | 788.5 | 98,155 |

Interference to BLANK0000063428 LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|---------|-----------------|---------|-----------------|------------------|------------------|----------------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 156.9 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | APP | AMES, IA | BPCDT20130205AAY | 151.7 |
| | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 165.9 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 30686.6 | 828,915 | 30382.2 | 821,250 | 29713.7 | 780,097 | 29705.7 | 780,047 |
| | | | | | | | 0.03 |

| Undesired | | Total IX | Unique IX, before | Unique IX, after |
|--------------------|-------|----------|-------------------|------------------|
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 | 7,008 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | | |
| KGCW D21 DT CP | 20.2 | 88 | 16.1 | 85 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 | 791 |
| WOWT D22 DT LIC | 24.1 | 392 | 4.0 | 48 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 | 6,432 |
| KCWI-TV D23 DT APP | 448.4 | 26,567 | 428.3 | 26,223 |
| WQPT-TV D23 DT APP | 28.1 | 222 | 24.1 | 219 |
| | | | | 20.1 |
| | | | | 206 |

Interference to BLANK0000063428 LIC scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|---------|-----------------|---------|-----------------|------------------|------------------|----------------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 156.9 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | APP | AMES, IA | BPCDT20130205AAY | 151.7 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 30686.6 | 828,915 | 30382.2 | 821,250 | 29737.8 | 780,316 | 29725.7 | 780,253 |
| | | | | | | | 0.04 |

| Undesired | | Total IX | Unique IX, before | Unique IX, after |
|--------------------|-------|----------|-------------------|------------------|
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 | 7,008 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | | |
| KGCW D21 DT CP | 20.2 | 88 | 20.2 | 88 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 | 791 |
| WOWT D22 DT LIC | 24.1 | 392 | 4.0 | 48 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 | 6,432 |
| KCWI-TV D23 DT APP | 448.4 | 26,567 | 428.3 | 26,223 |
| | | | | 428.3 |
| | | | | 26,223 |

Interference to BLANK0000063428 LIC scenario 3

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 164.8 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |

| | | | | | | |
|---------|-----|----|-----|---------------|------------------|-------|
| WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| KCWI-TV | D23 | DT | APP | AMES, IA | BPCDT20130205AAY | 151.7 |
| WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 165.9 |

| | | | | |
|--------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 30686.6 | 828,915 | 30382.2 | 821,250 | 29729.8 |
| | | 780,182 | 29721.8 | 780,132 |
| | | | | 0.03 |

| | | | |
|--------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | 100.2 |
| KGCW D21 DT APP | 12.0 | 45 | 0.0 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 |
| WOWT D22 DT LIC | 24.1 | 392 | 4.0 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 |
| KCWI-TV D23 DT APP | 448.4 | 26,567 | 428.3 |
| WQPT-TV D23 DT APP | 28.1 | 222 | 16.1 |

Interference to BLANK0000063428 LIC scenario 4

| | | | | | | | |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 164.8 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | APP | AMES, IA | BPCDT20130205AAY | 151.7 |

| | | | | |
|--------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 30686.6 | 828,915 | 30382.2 | 821,250 | 29745.9 |
| | | 780,359 | 29733.8 | 780,296 |
| | | | | 0.04 |

| | | | |
|--------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | 104.2 |
| KGCW D21 DT APP | 12.0 | 45 | 12.0 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 |
| WOWT D22 DT LIC | 24.1 | 392 | 4.0 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 |
| KCWI-TV D23 DT APP | 448.4 | 26,567 | 428.3 |

Interference to BLANK0000063428 LIC scenario 5

| | | | | | | | |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 156.9 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | LIC | AMES, IA | BLCDT20090612AIO | 151.7 |
| | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 165.9 |

| | | | | |
|--------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 30686.6 | 828,915 | 30382.2 | 821,250 | 30029.9 |
| | | 804,261 | 30021.9 | 804,211 |
| | | | | 0.03 |

| | | | |
|--------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | 100.2 |
| KGCW D21 DT CP | 20.2 | 88 | 16.1 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 |
| WOWT D22 DT LIC | 24.1 | 392 | 8.0 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 |
| KCWI-TV D23 DT LIC | 128.2 | 2,379 | 112.1 |
| WQPT-TV D23 DT APP | 28.1 | 222 | 24.1 |

Interference to BLANK0000063428 LIC scenario 6

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | CP | BURLINGTON, IA | BLANK0000028473 | 156.9 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | LIC | AMES, IA | BLCDT20090612AIO | 151.7 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|--------------|-----------------|-----------------|----------------|----------------|
| 30686.6 | 828,915 | 30382.2 | 804,480 | 0.04 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | 104.2 |
| KGCW D21 DT CP | 20.2 | 88 | 20.2 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 |
| WOWT D22 DT LIC | 24.1 | 392 | 8.0 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 |
| KCWI-TV D23 DT LIC | 128.2 | 2,379 | 112.1 |

Interference to BLANK0000063428 LIC scenario 7

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 164.8 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | LIC | AMES, IA | BLCDT20090612AIO | 151.7 |
| | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 165.9 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|--------------|-----------------|-----------------|----------------|----------------|
| 30686.6 | 828,915 | 30382.2 | 804,346 | 0.03 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | 100.2 |
| KGCW D21 DT APP | 12.0 | 45 | 0.0 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 |
| WOWT D22 DT LIC | 24.1 | 392 | 8.0 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 |
| KCWI-TV D23 DT LIC | 128.2 | 2,379 | 112.1 |
| WQPT-TV D23 DT APP | 28.1 | 222 | 16.1 |

Interference to BLANK0000063428 LIC scenario 8

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 353.6 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 353.6 |
| | KGCW | D21 | DT | APP | BURLINGTON, IA | BLANK0000034909 | 164.8 |
| | WUCW | D22 | DT | LIC | MINNEAPOLIS, MN | BLCDT20060405AAI | 323.6 |
| | WOWT | D22 | DT | LIC | OMAHA, NE | BLCDT20110509AAN | 360.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 388.5 |
| | KCWI-TV | D23 | DT | LIC | AMES, IA | BLCDT20090612AIO | 151.7 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|--------------|-----------------|-----------------|----------------|----------------|
| 30686.6 | 828,915 | 30382.2 | 804,523 | 0.04 |

| | | | | |
|--------------------|-------|----------|-------------------|-------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 92.1 | 7,008 | 92.1 | 7,008 |
| WLS-TV D22 DT CP | 104.2 | 7,071 | | 104.2 7,071 |
| KGCW D21 DT APP | 12.0 | 45 | 12.0 | 45 |
| WUCW D22 DT LIC | 79.7 | 1,068 | 75.7 | 791 75.7 791 |
| WOWT D22 DT LIC | 24.1 | 392 | 8.0 | 72 8.0 72 |
| WFRV-TV D22 DT CP | 4.0 | 6,432 | 4.0 | 6,432 4.0 6,432 |
| KCWI-TV D23 DT LIC | 128.2 | 2,379 | 112.1 | 2,059 112.1 2,059 |

Interference to BLCDT20091119ACF LIC scenario 1

| | | | | | | | |
|-----------------|---------|-----------------|-----|-----------------|------------------|------------------|----------------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WBUI | D22 | DT | LIC | DECATUR, IL | BLCDT20091119ACF | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 237.1 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 237.1 |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | 364.9 |
| | WTVW | D22 | DT | CP | EVANSVILLE, IN | BLANK0000034881 | 249.0 |
| | WXIN | D22 | DT | BL | INDIANAPOLIS, IN | DTVBL146 | 224.7 |
| | WUSI-TV | D23 | DT | CP | OLNEY, IL | BLANK0000034827 | 137.5 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 26387.9 981,884 | | 26379.9 | | 981,868 | | 25417.4 971,482 | 1.01 0.32 |

| | | | | |
|--------------------|-------|----------|-------------------|-------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 431.8 | 4,218 | 403.7 | 3,965 |
| WLS-TV D22 DT CP | 699.7 | 7,373 | | 663.5 7,095 |
| KPXR-TV D22 DT LIC | 8.0 | 23 | 0.0 | 0 0.0 0 |
| WTVW D22 DT CP | 254.8 | 3,118 | 207.0 | 2,742 207.0 2,742 |
| WXIN D22 DT BL | 56.1 | 347 | 20.2 | 52 12.1 27 |
| WUSI-TV D23 DT CP | 27.9 | 179 | 0.0 | 0 0.0 0 |

Interference to DTVBL146 BL scenario 1

| | | | | | | | |
|-------------------|---------|-----------------|-----|-----------------|-------------------|-------------------|----------------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WXIN | D22 | DT | BL | INDIANAPOLIS, IN | DTVBL146 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 251.9 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 251.9 |
| | WFYI | D21 | DT | LIC | INDIANAPOLIS, IN | BLEDT20100803ADB | 1.1 |
| | WRLW-CD | D21- | DC | CP | SALEM, IN | BLANK0000034328 | 143.6 |
| | WBUI | D22 | DT | LIC | DECATUR, IL | BLCDT20091119ACF | 224.7 |
| | WTVW | D22 | DT | CP | EVANSVILLE, IN | BLANK0000034881 | 230.2 |
| | WCVN-TV | D22 | DT | CP | COVINGTON, KY | BLANK0000034633 | 174.0 |
| | WBGU-TV | D22 | DT | LIC | BOWLING GREEN, OH | BLANK0000063785 | 238.4 |
| | WSAZ-TV | D22 | DT | CP | HUNTINGTON, WV | BLANK0000034103 | 375.7 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 25970.6 2,721,639 | | 25743.0 | | 2,703,124 | | 24803.1 2,662,746 | 0.32 0.06 |

| | | | | |
|--------------------|-------|----------|-------------------|---------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 160.4 | 4,779 | 72.0 | 1,560 |
| WLS-TV D22 DT CP | 264.6 | 6,572 | | 152.1 3,142 |
| WFYI D21 DT LIC | 4.0 | 213 | 4.0 | 213 4.0 213 |
| WRLW-CD D21- DC CP | 4.0 | 120 | 0.0 | 0 0.0 0 |
| WBUI D22 DT LIC | 297.3 | 3,599 | 161.2 | 1,163 141.1 999 |
| WTVW D22 DT CP | 370.5 | 24,825 | 231.1 | 21,799 231.1 21,799 |
| WCVN-TV D22 DT CP | 247.5 | 11,406 | 135.7 | 5,174 135.7 5,174 |
| WBGU-TV D22 DT LIC | 55.9 | 3,064 | 4.0 | 47 0.0 0 |
| WSAZ-TV D22 DT CP | 43.8 | 2,800 | 0.0 | 0 0.0 0 |

Interference to BLCDT20090224ABF LIC scenario 1

****IX: 28.85% interference caused - WSBT-TV to Channel 29 (Phase 6) - Coordinated with WLS-TV**

| | | | | | | | |
|-------------|---------|------|-----|--------|----------------|------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WSBT-TV | D22 | DT | LIC | SOUTH BEND, IN | BLCDT20090224ABF | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 121.2 km |

| | | | | | | |
|---------|-----|----|-----|-------------------|-------------------|-------|
| WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 121.2 |
| WNEM-TV | D22 | DT | LIC | BAY CITY, MI | BLCDT20050615ACI | 283.2 |
| WBGU-TV | D22 | DT | LIC | BOWLING GREEN, OH | BLANK0000063785 | 199.9 |
| WCPO-TV | D22 | DT | LIC | CINCINNATI, OH | BLCDT20101216AAF | 312.8 |
| WVCY-TV | D22 | DT | LIC | MILWAUKEE, WI | BMLEDT20091116ABD | 215.0 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|-------------------|-------------------|-------------------|-------------------|----------------|
| 26313.3 1,691,194 | 26297.3 1,682,136 | 25897.4 1,641,178 | 16343.1 1,167,739 | 36.89 28.85 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------------|-------------------|------------------|
| WLS-TV D22 DT CP | 9930.0 509,086 | 9554.3 473,439 | |
| WNEM-TV D22 DT LIC | 47.9 23,001 | 4.0 4,752 | |
| WBGU-TV D22 DT LIC | 351.9 14,517 | 20.2 559 | |
| WCPO-TV D22 DT LIC | 12.1 220 | 0.0 0 | |
| WVCY-TV D22 DT LIC | 12.1 4,941 | 0.0 0 | |

Interference to DTVBL11033 BL scenario 1

| | | | | | | | | | |
|--------------|--------------|-----------------|-----------|-----------------|------------------------------|---------------------------|-----------|-------------|------|
| Desired: | Call WLLA | Chan D22 | Svc DT | Status BL | City, State KALAMAZOO, MI | File Number DTVBL11033 | Distance | | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 194.7 km | | |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 194.7 | | |
| | WZPX-TV | D21 | DT | CP | BATTLE CREEK, MI | BLANK0000034925 | 34.6 | | |
| | WBGU-TV | D22 | DT | LIC | BOWLING GREEN, OH | BLANK0000063785 | 204.2 | | |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 283.0 | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New | IX |
| 20275.5 | 2,042,031 | 20271.5 | 2,042,031 | 18599.7 | 1,825,951 | 18555.8 | 1,824,918 | 0.24 | 0.06 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------------|-------------------|------------------|
| WLS-TV D22 DT BL | 656.7 17,925 | 636.8 17,325 | |
| WLS-TV D22 DT CP | 700.7 18,958 | 680.7 18,358 | |
| WZPX-TV D21 DT CP | 1023.1 198,478 | 1007.1 197,977 | |
| WBGU-TV D22 DT LIC | 16.0 377 | 4.0 95 | |
| WFRV-TV D22 DT CP | 7.9 182 | 0.0 0 | |

Interference to BLANK0000034729 CP scenario 1

| | | | | | | | | | |
|--------------|-----------------|-----------------|-----------|-----------------|------------------------------|--------------------------------|-----------|----------------|------|
| Desired: | Call WFRV-TV | Chan D22 | Svc DT | Status CP | City, State GREEN BAY, WI | File Number BLANK0000034729 | Distance | | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 274.3 km | | |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 274.3 | | |
| | WIFS | D21 | DT | CP | JANESVILLE, WI | BLANK0000034588 | 189.0 | | |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 8.6 | | |
| | W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 186.3 | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
| 31803.9 | 1,263,353 | 31748.5 | 1,256,376 | 31255.0 | 1,233,790 | 31195.7 | 1,231,769 | 0.19 | 0.16 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|--------------|-------------------|------------------|
| WLS-TV D22 DT BL | 280.9 20,733 | 280.9 20,733 | |
| WLS-TV D22 DT CP | 340.2 22,754 | 340.2 22,754 | |
| WBAY-TV D23 DT LIC | 212.6 1,853 | 212.6 1,853 | |

Interference to BMLEDT20091116ABD LIC scenario 1

****IX: 25.88% interference caused- WVCY-TV RF Channel 22 Relinquished**

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|-------------------|----------|
| | WVCY-TV | D22 | DT | LIC | MILWAUKEE, WI | BMLEDT20091116ABD | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 137.1 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 137.1 |
| | WMKE-CD | D21 | DC | LIC | MILWAUKEE, WI | BLDTA20150126AAQ | 0.0 |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | 337.2 |
| | WSBT-TV | D22 | DT | LIC | SOUTH BEND, IN | BLCDT20090224ABF | 215.0 |

| | | | | | | |
|---------|-----|----|-----|---------------|-------------------|-------|
| WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 146.2 |
| W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 127.9 |

| | | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX |
| 18926.6 | 2,543,642 | 18862.5 | 2,542,235 | 18695.2 | 2,538,086 | 13630.9 | 1,881,269 | 27.09 25.88 |

| | | | | | | |
|--------------------|--------|----------|-------|-------------------|--------|------------------|
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after |
| WLS-TV D22 DT CP | 5215.7 | 659,239 | | | 5064.3 | 656,817 |
| WMKE-CD D21 DC LIC | 4.0 | 1,524 | 4.0 | 1,524 | 4.0 | 1,524 |
| KPXR-TV D22 DT LIC | 7.9 | 140 | 0.0 | 0 | 0.0 | 0 |
| WSBT-TV D22 DT LIC | 139.2 | 2,438 | 119.2 | 2,249 | 4.0 | 82 |
| WBAY-TV D23 DT LIC | 36.2 | 236 | 24.2 | 187 | 0.0 | 0 |
| W23BW-D D23 DC APP | 4.0 | 74 | 0.0 | 0 | 0.0 | 0 |

Interference to BML EDT20091116ABD LIC scenario 2

****IX: 25.88% interference caused - WVCY-TV RF Channel 22 Relinquished**

| | | | | | | | |
|-------------|---------|------|-----|--------|------------------|--------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WVCY-TV | D22 | DT | LIC | MILWAUKEE, WI | BML EDT20091116ABD | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 137.1 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 137.1 |
| | WMKE-CD | D21 | DC | LIC | MILWAUKEE, WI | BLDTA20150126AAQ | 0.0 |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | 337.2 |
| | WSBT-TV | D22 | DT | LIC | SOUTH BEND, IN | BLCDT20090224ABF | 215.0 |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 146.2 |
| | W23BW-D | D23 | DC | LIC | MADISON, WI | BLDTA20140827AAD | 127.9 |

| | | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX |
| 18926.6 | 2,543,642 | 18862.5 | 2,542,235 | 18695.2 | 2,538,086 | 13630.9 | 1,881,269 | 27.09 25.88 |

| | | | | | | |
|--------------------|--------|----------|-------|-------------------|--------|------------------|
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after |
| WLS-TV D22 DT CP | 5215.7 | 659,239 | | | 5064.3 | 656,817 |
| WMKE-CD D21 DC LIC | 4.0 | 1,524 | 4.0 | 1,524 | 4.0 | 1,524 |
| KPXR-TV D22 DT LIC | 7.9 | 140 | 0.0 | 0 | 0.0 | 0 |
| WSBT-TV D22 DT LIC | 139.2 | 2,438 | 119.2 | 2,249 | 4.0 | 82 |
| WBAY-TV D23 DT LIC | 36.2 | 236 | 24.2 | 187 | 0.0 | 0 |
| W23BW-D D23 DC LIC | 4.0 | 74 | 0.0 | 0 | 0.0 | 0 |

Interference to DTVBL71428 BL scenario 1

| | | | | | | | |
|-------------|---------|------|-----|--------|---------------|-------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WCIU-TV | D23 | DT | BL | CHICAGO, IL | DTVBL71428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.1 |
| | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 236.6 |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 282.8 |
| | W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 199.6 |
| | WFLD | D24 | DT | CP | CHICAGO, IL | BLANK0000034486 | 0.0 |

| | | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|------------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX |
| 32172.7 | 9,891,328 | 32120.5 | 9,888,413 | 31386.3 | 9,844,875 | 31244.8 | 9,839,888 | 0.45 0.05 |

| | | | | | | |
|--------------------|-------|----------|-------|-------------------|-------|------------------|
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after |
| WLS-TV D22 DT BL | 113.0 | 6,856 | 105.0 | 3,023 | | |
| WLS-TV D22 DT CP | 258.6 | 11,885 | | | 246.5 | 8,010 |
| WQPT-TV D23 DT APP | 577.0 | 37,915 | 452.7 | 29,256 | 452.7 | 29,256 |
| WBAY-TV D23 DT LIC | 160.4 | 7,349 | 36.1 | 1,319 | 36.1 | 1,319 |
| W23BW-D D23 DC APP | 96.3 | 4,469 | 0.0 | 0 | 0.0 | 0 |
| WFLD D24 DT CP | 8.0 | 935 | 4.0 | 42 | 0.0 | 0 |

Interference to DTVBL71428 BL scenario 2

| | | | | | | | |
|----------|---------|------|-----|--------|-------------|-------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WCIU-TV | D23 | DT | BL | CHICAGO, IL | DTVBL71428 | |

| | | | | | | | |
|-------------|---------|-----|----|-----|---------------|-------------------|--------|
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.1 |
| | WQPT-TV | D23 | DT | APP | MOLINE, IL | BLANK0000035678 | 236.6 |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 282.8 |
| | W23BW-D | D23 | DC | LIC | MADISON, WI | BLDTA20140827AAD | 199.6 |
| | WFLD | D24 | DT | CP | CHICAGO, IL | BLANK0000034486 | 0.0 |

| | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|----------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 32172.7 | 9,891,328 | 32120.5 | 9,888,413 | 31386.3 | 9,844,875 | 31244.8 | 9,839,888 |
| | | | | | | | 0.45 |

| | | | | |
|--------------------|-------|----------|-------------------|------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 113.0 | 6,856 | 105.0 | 3,023 |
| WLS-TV D22 DT CP | 258.6 | 11,885 | | 246.5 |
| WQPT-TV D23 DT APP | 577.0 | 37,915 | 456.7 | 29,291 |
| WBAY-TV D23 DT LIC | 160.4 | 7,349 | 44.1 | 1,665 |
| W23BW-D D23 DC LIC | 32.1 | 202 | 0.0 | 0 |
| WFLD D24 DT CP | 8.0 | 935 | 4.0 | 42 |

Interference to DTVBL71428 BL scenario 3

| | | | | | | | |
|-------------|---------|------|-----|--------|---------------|-------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WCIU-TV | D23 | DT | BL | CHICAGO, IL | DTVBL71428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.1 |
| | WQPT-TV | D23 | DT | LIC | MOLINE, IL | BLEDT20030702AAR | 236.6 |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 282.8 |
| | W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 199.6 |
| | WFLD | D24 | DT | CP | CHICAGO, IL | BLANK0000034486 | 0.0 |

| | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|----------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 32172.7 | 9,891,328 | 32120.5 | 9,888,413 | 31827.0 | 9,874,063 | 31685.5 | 9,869,076 |
| | | | | | | | 0.44 |

| | | | | |
|--------------------|-------|----------|-------------------|------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 113.0 | 6,856 | 109.0 | 5,963 |
| WLS-TV D22 DT CP | 258.6 | 11,885 | | 250.5 |
| WQPT-TV D23 DT LIC | 56.1 | 1,399 | 12.1 | 68 |
| WBAY-TV D23 DT LIC | 160.4 | 7,349 | 64.2 | 2,896 |
| W23BW-D D23 DC APP | 96.3 | 4,469 | 4.0 | 35 |
| WFLD D24 DT CP | 8.0 | 935 | 4.0 | 42 |

Interference to DTVBL71428 BL scenario 4

| | | | | | | | |
|-------------|---------|------|-----|--------|---------------|-------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WCIU-TV | D23 | DT | BL | CHICAGO, IL | DTVBL71428 | |
| Undesireds: | WLS-TV | D22 | DT | BL | CHICAGO, IL | DTVBL73226 | 0.0 km |
| | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | 0.1 |
| | WQPT-TV | D23 | DT | LIC | MOLINE, IL | BLEDT20030702AAR | 236.6 |
| | WBAY-TV | D23 | DT | LIC | GREEN BAY, WI | BMLCDT20040723ADS | 282.8 |
| | W23BW-D | D23 | DC | LIC | MADISON, WI | BLDTA20140827AAD | 199.6 |
| | WFLD | D24 | DT | CP | CHICAGO, IL | BLANK0000034486 | 0.0 |

| | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|----------------|
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 32172.7 | 9,891,328 | 32120.5 | 9,888,413 | 31831.0 | 9,874,098 | 31689.5 | 9,869,111 |
| | | | | | | | 0.44 |

| | | | | |
|--------------------|-------|----------|-------------------|------------------|
| Undesired | | Total IX | Unique IX, before | Unique IX, after |
| WLS-TV D22 DT BL | 113.0 | 6,856 | 109.0 | 5,963 |
| WLS-TV D22 DT CP | 258.6 | 11,885 | | 250.5 |
| WQPT-TV D23 DT LIC | 56.1 | 1,399 | 12.1 | 68 |
| WBAY-TV D23 DT LIC | 160.4 | 7,349 | 100.3 | 5,910 |
| W23BW-D D23 DC LIC | 32.1 | 202 | 0.0 | 0 |
| WFLD D24 DT CP | 8.0 | 935 | 4.0 | 42 |

Interference Received Analysis – WLS-TV Channel 22

Current Allocation Environment

Interference to proposal scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|-------------------|------------------|----------|
| Desired: | WLS-TV | D22 | DT | CP | CHICAGO, IL | BLANK0000034300 | |
| Undesireds: | WIFS | D21 | DT | CP | JANESVILLE, WI | BLANK0000034588 | 203.4 km |
| | KPXR-TV | D22 | DT | LIC | CEDAR RAPIDS, IA | BLANK0000063428 | 353.6 |
| | WBUI | D22 | DT | LIC | DECATUR, IL | BLCDT20091119ACF | 237.1 |
| | WXIN | D22 | DT | BL | INDIANAPOLIS, IN | DTVBL146 | 251.9 |
| | WLLA | D22 | DT | BL | KALAMAZOO, MI | DTVBL11033 | 194.7 |
| | WBGU-TV | D22 | DT | LIC | BOWLING GREEN, OH | BLANK0000063785 | 321.1 |
| | WFRV-TV | D22 | DT | CP | GREEN BAY, WI | BLANK0000034729 | 274.3 |
| | W23BW-D | D23 | DC | APP | MADISON, WI | BLANK0000035876 | 199.6 |

| Service area | Terrain-limited | IX-free | Percent IX |
|--------------------|--------------------|--------------------|------------|
| 41896.9 10,276,809 | 41760.4 10,272,935 | 41006.6 10,230,635 | 1.80 0.41 |

| Undesired | Total IX | Unique IX | Prcnt Unique IX |
|--------------------|--------------------|-----------|-----------------|
| KPXR-TV D22 DT LIC | 116.2 2,839 0.0 | 0 | 0.00 0.00 |
| WBUI D22 DT LIC | 128.2 3,280 31.9 | 849 | 0.08 0.01 |
| WXIN D22 DT BL | 180.8 7,481 148.7 | 4,611 | 0.36 0.04 |
| WLLA D22 DT BL | 136.3 14,901 128.3 | 13,655 | 0.31 0.13 |
| WBGU-TV D22 DT LIC | 8.0 334 0.0 | 0 | 0.00 0.00 |
| WFRV-TV D22 DT CP | 404.7 20,035 296.6 | 17,476 | 0.71 0.17 |