TECHNICAL EXHIBIT
DTV CONSTRUCTION PERMIT APPLICATION
STATION WHNT-DT
HUNTSVILLE, ALABAMA
CH 19 250 KW 531 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WHNT-DT for its DTV operation at Huntsville, Alabama. This application requests a construction permit (CP) for WHNT-DT digital television operation on channel 19 at Huntsville with a non-directional effective radiated power of 250 kilowatts pursuant to its Report and Order in MB Docket No. 08-194.

Proposed Facilities

Station WHNT-DT proposes to operate DTV channel 19. The antenna height above average terrain for the channel 19 DTV operation will be 531 meters. Identical facilities to that proposed in MB Docket 08-194 are herein requested.

The proposed DTV transmitter site will be located at WHNT-DT's current transmitting tower. Therefore, the proposed site location is:

34° 44′ 19″ North Latitude 86° 31′ 56″ West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1.

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Figure 2 is a map showing the proposed DTV predicted coverage contour and the associated DTV appendix B Noise-Limited coverage contour. The extent of the contours have been calculated using the normal FCC prediction method. The Huntsville city limits were derived from information contained in the 2000 U.S. Census of Population and Housing.

Population Served

The herein proposed WHNT-DT facility is predicted to serve 1,322,187 persons based upon the 2000 Census.

Allocation Considerations

Identical facilities to that authorized in the WHNT-DT Rule Making are proposed herein. For convenience, the allocation discussion from the Rule Making is provided below.

WHNT-DT can be allocated on Channel 19 for posttransition operation based upon the following allocation considerations:

- WYLE-DT on Channel 20 at Florence, Alabama has been ignored as its license has been cancelled by the FCC
- The previous WHNT-DT Channel 19 post-transition construction permit, BPCDT-20080313AAC, is considered as its interference baseline.

Therefore, based upon these aforementioned allocation considerations, the proposed WHNT-DT Appendix B facilities will comply with the 0.5 percent interference standard adopted by the FCC for post-transition DTV operations as shown in Figure 3. It is shown within Figure 1

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that 1.63% interference is caused by the herein proposal to WDBB-DT on Channel 18 at Bessemer, Alabama. However, this analysis does not include the interference already caused by the previous WHNT-DT Channel 19 post-transition construction permit. The previous WHNT-DT Channel 19 construction permit caused 1.25% interference to WDBB-DT. Therefore, the herein proposal is increasing the authorized interference by 0.5% and is therefore believed to be in compliance with the Commission's Rules.

Radiofrequency Electromagnetic Field Exposure

The proposed WHNT-DT facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the WHNT-DT antenna is located 279 meters above ground level. The maximum effective radiated power is 250 kilowatts. A "worst case" downward relative field value of 0.25 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.03 mW/cm². This is 9 percent of the Commission's recommended limit of 0.34 mW/cm² for channel 19 for an "uncontrolled" environment.

Access to the transmitting site is restricted and appropriately marked with warning signs. As this is a multi-user site an agreement between the stations will control access. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time,

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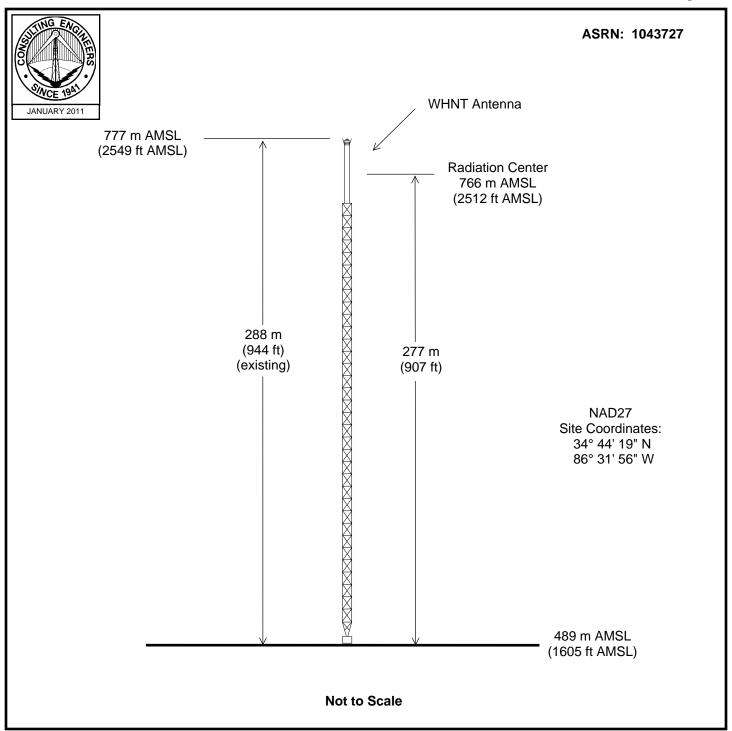
wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed WHNT-DT operation appears to be otherwise categorically excluded from environmental processing.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

Charles Cooper

du Treil, Lundin & Rackley, Inc. 201 Fletcher Avenue Sarasota, Florida 32437 941.329.6000

January 17, 2011



ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WHNT-DT HUNTSVILLE, ALABAMA CH 19 250 KW 531 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2 Dickson Hurricane Mount Vernon Mayland Catoosa BrentwoodLa Vergnes Walterhill Cherry Creek Oak Grove Porter Smithville Cassville Sparta De Rosset Auburn Crossvill Bon Agua Junction Kingfield Franklin Comanche Subdivi Graham Springview Arrington Bear Branch (historical Doy le Murfreesboro Woodbury Burgesstown (historical) Bethel Burwood Kirkland Barfield Dillton Centerville ble JANUARY 2011 Bethlehem (historical) rapevine (historical) Spencer Spring Hill Eaglev ille Bond Cartersville Big Springs Amity McMinnville Arkland Athendale 'an Buren O- Cold Spring Chapel Hill Smyrna Columbia Linden Pikeville Holly (historical) Morrison Bell Buckle Irving College Mount Pleas (historical) Hohenwald com New Union Farmington Shelbyville Cortner Dayton Lewisburg Allens Creek (historical) Leatherwood Richmond Flat Creek etli-Laager 🥖 Dunlap Tullahoma Cente Petersburg Waynesboro Bryant Lynchburg, Moore Delina Soddy-Daisv Wayne Co. .awrenceburg Beech Hill Boonshill Howell Pulaski Windhester Bobtown Middle Walley Collinwood Fayetteville Anthony Hill Signal Mountain Harrison Belvidere Star (histor Sherwood Chattanooga Elkton Blanche Belleview Holt Minor Hill Grove Saint Truitt East Ridge Lexington Stewartville Bridgeport Hazel Green Fairview Elkmont Central Heights Harvest Meridianville hickamauga Stevenson Tunnel Hill Bonneville anaan Flor Hollytree Sky line Cams Athens Capshaw Flat Rock Dalto C herokee Jackson **Huntsville** Gurley La Fayette Town Creek Colbert leights Scottsbord arbonda Hillsboro **Hé**nagar Little Re Decatur Trion Subligna Lawrence Co. New Hope Grant Russellv Morgan Co. Call Moulton *fummerville* ex ander Subdivision (subdivision) Fort Pay Pranklin Co. Hartselle Aldridge Grove Pinedate Shores (subdivision) Florette Ly erly Armuchee Falkville Ăđ Guntersville Phil Campbe Arab Rome _{Hyatt} Albertville Hackleburg Upshav Collinsvill Bailey ton Benton Rome Haleyville South Vinemont Addison Boaz Lindale Cullman Holly Pond Douglas Kyuka Black C Delmar **Hamilton** _{ane Hill} Good Hope Aurora ave Spring Natural Bridge n Bridge **B**lountsville Reece Ci Ellisville Lynn Althona Brilliant Cedartown Rockmart Hount Co. asden Pleasant Gap Guin WinfieldTex as Piedmont Carbon Hill Edgil Highland Robo Holly Grove Jasper Oak Level Bluff Jacksonville Buchanan Co. Gudey Springville Proposed WHNT-DT Blue Creek White Bremen Edw ardsv ille Clay Fayette 48 dBu City Grade Argo St. Clair Co Anniston <mark>B</mark>elk Gumbud Center Point Lorente Mount Zion Noise-Limited Pleasant Val Adamsv ille Bel Air Carrollton PellCin Birmingham Leeds Bow don Bethlehe Rock Riege Bethel Bush Homewood Cedron Butlers Mill Roopville Lubbub Skelton Bend Estates (subdivision) Union Delta Talladega 20 80 100 120 miles 60 160 kilometers

PREDICTED COVERAGE CONTOURS

HHHHH

DTV STATION WHNT-DT HUNTSVILLE, ALABAMA CH 19 250 KW 531 M

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TECHNICAL EXHIBIT DTV CONSTRUCTION PERMIT APPLICATION STATION WHNT-DT HUNTSVILLE, ALABAMA CH 19 250 KW 531 M

OET-69 Allocation Analysis

Percent allowed new interference: 0.500

Percent allowed new interference to non Class A LPTV: 2.000

TW Census data selected 2000

Data Base Selected

/export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-17-2011 Time: 13:29:37

Record Selected for Analysis

HUNTSVILLE USERRECORD-01 AL US

Channel 19 ERP 250. kW HAAT 533. m RCAMSL 00768 m Latitude 034-44-19 Longitude 0086-31-56

Status APP Zone 2 Border Site number: 01 Last update Cutoff date Docket

Last update

Comments Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

| Site numbe | er 1 | | |
|------------|---------|-------|-------------------|
| Azimuth | ERP | HAAT | 41.0 dBu F(50,90) |
| (Deg) | (kW) | (m) | (km) |
| 0.0 | 250.000 | 539.1 | 104.4 |
| 45.0 | 250.000 | 522.0 | 103.1 |
| 90.0 | 250.000 | 524.7 | 103.3 |
| 135.0 | 250.000 | 518.1 | 102.8 |
| 180.0 | 250.000 | 507.4 | 101.9 |
| 225.0 | 250.000 | 574.0 | 106.6 |
| 270.0 | 250.000 | 558.4 | 105.7 |
| 315.0 | 250.000 | 518.7 | 102.9 |
| | | | |

Evaluation toward Class A Stations from site # 01

Contour overlap to Class A station

WOTM-LP 19 MONTEVALLO AL BLTTL 19970514JI

Contour overlap to Class A station

DWJTE-LP 19 JACKSON TN BPTTA 20030108AAX

Class A Evaluation Complete

WHNT 19 HUNTSVILLE AL USERRECORD01 Site # 01

and station

SHORT TO: WHNT-DR 19 HUNTSVILLE AL BPRM 20090423ADN

034-44-19 0086-31-56

Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: DWYLE 20 FLORENCE AL BMPCDT 20070920ABE

035-00- 9 0087-08- 9

Req. separation => 24.0 <= 110.0 Actual separation 62.5 Short 47.5(38.5) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station

Call City/State WHNT HUNTSVILLE AL Channel ARN

WHNT USERRECORD01

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|----------|-------------------|----------|--------|-------------|-------------|
| 18 | WDBB | BESSEMER AL | 161.0 | LIC | BLCDT | 20060421ABG |
| 18 | W18BL | ADAMSVILLE TN | 176.8 | CP | BDFCDTA | 20090824AKM |
| 19 | WIIQ | DEMOPOLIS AL | 291.9 | LIC | BLEDT | 20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 0.0 | APP | BPRM | 20090423ADN |
| 19 | WOTM-LP | MONTEVALLO AL | 178.4 | LIC | BLTTL | 19970514JI |
| 19 | WGCL-TV | ATLANTA GA | 226.3 | LIC | BLCDT | 19981211KE |
| 19 | WGCL-TV | ATLANTA GA | 226.4 | CP | BPCDT | 20040220ACX |
| 19 | WBKI-TV | CAMPBELLSVILLE KY | 325.3 | LIC | BLCDT | 20080811ABA |
| 19 | DWJTE-LP | JACKSON TN | 227.9 | CP | BPTTA | 20030108AAX |
| 20 | WPCH-TV | ATLANTA GA | 226.4 | LIC | BLCDT | 20050204AAD |
| 21 | W21BZ | COLLEGEDALE TN | 136.7 | LIC | BLTTA | 20010111AAI |
| 21 | W21BZ | COLLEGEDALE TN | 136.7 | CP | BPTTA | 20030304AAR |

Analysis of Interference to Affected Station 1

Analysis of current record

City/State Application Ref. No. Channel Call

18 WDBB BLCDT -20060421ABG BESSEMER AL

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applica | ation Ref. No. |
|------|---------|------------------|----------|--------|---------|----------------|
| 18 | WKYU-TV | BOWLING GREEN KY | 407.7 | LIC | BLEDT | -20040803AAG |
| 18 | WMAU-TV | BUDE MS | 392.0 | LIC | BLEDT | -20090327ABW |
| 19 | WIIQ | DEMOPOLIS AL | 131.9 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 161.0 | APP | BPRM | -20090423ADN |
| 19 | WHNT | HUNTSVILLE AL | 161.0 | APP | USERRE | CORD-01 |

Total scenarios = 3

Result key: 1
Scenario 1 Affected station 1

Before Analysis

Results for: 18A AL BESSEMER BLCDT 20060421ABG LIC

HAAT 675.0 m, ATV ERP 350.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1591742 | 39621.4 |
| not affected by terrain losses | 1571861 | 38666.0 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 4389 | 713.5 |
| lost to ATV IX only | 4389 | 713.5 |
| lost to all IX | 4389 | 713.5 |

Potential Interfering Stations Included in above Scenario 1

| 18A KY BOWLING GREEN | BLEDT | 20040803AAG | LIC |
|----------------------|-------|-------------|-----|
| 18A MS BUDE | BLEDT | 20090327ABW | LIC |
| 19A AL DEMOPOLIS | BLEDT | 20090511AHE | LIC |

After Analysis

HAAT 675.0 m, ATV ERP 350.0 kW Results for: 18A AL BESSEMER

| | POPULATION | AREA (sq km |
|--------------------------------|------------|-------------|
| within Noise Limited Contour | 1591742 | 39621.4 |
| not affected by terrain losses | 1571861 | 38666.0 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 29893 | 1358.5 |
| lost to ATV IX only | 29893 | 1358.5 |
| lost to all IX | 29893 | 1358.5 |

Potential Interfering Stations Included in above Scenario 1

| 18A KY | BOWLING GREEN | BLEDT | 20040803AAG | LIC |
|--------|---------------|------------|-------------|-----|
| 18A MS | BUDE | BLEDT | 20090327ABW | LIC |
| 19A AL | DEMOPOLIS | BLEDT | 20090511AHE | LIC |
| 19A AL | HUNTSVILLE | USERRECORD | 001 | APP |

The following station failed the de minimis interference criteria. 19D AL HUNTSVILLE USERRECORD01 ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m

Antenna none

Due to interference to the following station and scenario: $\ 1$ 18D AL BESSEMER BLCDT 20060421ABG ERP 350.00 kW HAAT 675.0 m RCAMSL 805.0 m

Antenna CDB 0000000044013

Percent new interference from proposal: 1.6271 to BLCDT 20060421ABG

Result key: 2
Scenario 2 Affected station 1

Before Analysis

BLCDT 20060421ABG LIC Results for: 18A AL BESSEMER

HAAT 675.0 m, ATV ERP 350.0 kW

```
POPULATION AREA (sq km)
                              1591742
                                          39621.4
  within Noise Limited Contour
  not affected by terrain losses
                                1571861
                                              38666.0
                                              0.0
  lost to NTSC IX
                                      0
  lost to additional IX by ATV
                                    29893
                                              1358.5
  lost to ATV IX only
                                    29893
                                              1358.5
   lost to all IX
                                   29893
 Potential Interfering Stations Included in above Scenario
                        BLEDT
18A KY BOWLING GREEN
                                   20040803AAG LIC
18A MS BUDE
                         BLEDT
                                   20090327ABW LIC
19A AL DEMOPOLIS
                         BLEDT
                                   20090511AHE LIC
19A AL HUNTSVILLE
                         BPRM
                                   20090423ADN APP
After Analysis
Results for: 18A AL BESSEMER
                                     BLCDT 20060421ABG LIC
  HAAT 675.0 m, ATV ERP 350.0 kW
                             POPULATION AREA (sq km)
                                           39621.4
38666
  within Noise Limited Contour
                               1591742
  not affected by terrain losses
                                 1571861
                                              38666.0
   lost to NTSC IX
                                      Ω
                                              0.0
  lost to additional IX by {\tt ATV}
                                    29893
                                              1358.5
  lost to ATV IX only
                                   29893
                                              1358.5
  lost to all IX
                                   29893
                                              1358.5
 Potential Interfering Stations Included in above Scenario
18A KY BOWLING GREEN
                         BLEDT
                                   20040803AAG LIC
18A MS BUDE
19A AL DEMOPOLIS
18A MS BUDE
                         BLEDT
                                   20090327ABW LIC
                         BLEDT
                                   20090511AHE LIC
                         BPRM 20090423ADN APP
19A AL HUNTSVILLE
19A AL HUNTSVILLE
                          USERRECORD01
                                               APP
Percent new IX = 0.0000%
Result key:
                3
            3 Affected station
Scenario
Before Analysis
Results for: 18A AL BESSEMER
                                      BLCDT 20060421ABG LIC
  HAAT 675.0 m, ATV ERP 350.0 kW
  POPULATION AREA (sq km) within Noise Limited Contour 1591742 39621.4
  not affected by terrain losses
                                1571861
                                              38666.0
                                            0.0
   lost to NTSC IX
                                    0
                                    4389
                                                713.5
  lost to additional IX by {\tt ATV}
  lost to ATV IX only
                                    4389
                                                713.5
  lost to all IX
                                    4389
                                                713.5
 Potential Interfering Stations Included in above Scenario 3
18A KY BOWLING GREEN
                        BLEDT
                                   20040803AAG LIC
18A MS BUDE
                          BLEDT
                                   20090327ABW LIC
19A AL DEMOPOLIS
                         BLEDT
                                   20090511AHE LIC
After Analysis
                                    BLCDT 20060421ABG LIC
Results for: 18A AL BESSEMER
  HAAT 675.0 m, ATV ERP 350.0 kW
                              POPULATION AREA (sq km)
                                 1591742 39621.4
  within Noise Limited Contour
  not affected by terrain losses
                                 1571861
                                              38666.0
                                              0.0
  lost to NTSC IX
                                    0
   lost to additional IX by ATV
                                    29893
                                              1358.5
  lost to ATV IX only
                                   29893
                                              1358.5
  lost to all IX
                                   29893
                                              1358.5
 Potential Interfering Stations Included in above Scenario
```

BLEDT

20040803AAG LIC

18A KY BOWLING GREEN

 18A MS BUDE
 BLEDT 20090327ABW
 LIC

 19A AL DEMOPOLIS
 BLEDT 20090511AHE
 LIC

 19A AL HUNTSVILLE
 USERRECORD01
 APP

The following station failed the de minimis interference criteria.

19D AL HUNTSVILLE USERRECORD01

ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m

Antenna none

Due to interference to the following station and scenario: 3 18D AL BESSEMER BLCDT 20060421ABG ERP 350.00 kW HAAT 675.0 m RCAMSL 805.0 m

Antenna CDB 0000000044013

Percent new interference from proposal: 1.6271 to BLCDT 20060421ABG

Worst case new IX 1.6271% Scenario 1

Analysis of Interference to Affected Station 2

Analysis of current record

Channel Call City/State Application Ref. No.

18 W18BL ADAMSVILLE TN BDFCDTA -20090824AKM

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applicati | ion Ref. No. |
|------|---------|------------------|----------|--------|-----------|--------------|
| 17 | NEW | JACKSON TN | 59.8 | APP | BNPDTL | -20100903ABC |
| 18 | WDBB | BESSEMER AL | 214.5 | LIC | BLCDT | -20060421ABG |
| 18 | WKYU-TV | BOWLING GREEN KY | 267.7 | LIC | BLEDT | -20040803AAG |
| 18 | WDYR-CD | DYERSBURG TN | 132.6 | LIC | BLDTA | -20101201AKF |
| 19 | NEW | JACKSON TN | 62.0 | APP | BNPDTL | -20100903ABD |
| 19 | WHNT | HUNTSVILLE AL | 176.8 | APP | USERRECOR | RD-01 |

Proposed station is beyond the site to nearest cell evaluation distance

Analysis of Interference to Affected Station 3

Analysis of current record

Channel Call City/State Application Ref. No.
19 WIIQ DEMOPOLIS AL BLEDT -20090511AHE

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|---------|---------------|----------|--------|-------------|--------------|
| 18 | WDBB | BESSEMER AL | 131.9 | LIC | BLCDT | -20060421ABG |
| 19 | WHNT-DR | HUNTSVILLE AL | 291.9 | APP | BPRM | -20090423ADN |
| 19 | WGCL-TV | ATLANTA GA | 366.2 | LIC | BLCDT | -19981211KE |
| 19 | WGCL-TV | ATLANTA GA | 366.3 | CP | BPCDT | -20040220ACX |
| 20 | WMPV-TV | MOBILE AL | 196.3 | LIC | BLCDT | -20060703AAJ |
| 20 | WMPV-TV | MOBILE AL | 196.3 | CP | BPCDT | -20080829ABI |
| 20 | WCOV-DR | MONTGOMERY AL | 166.8 | APP | BPRM | -20080819ADH |
| 20 | WCOV-TV | MONTGOMERY AL | 166.8 | CP | BPCDT | -20090206AAN |
| 19 | WHNT | HUNTSVILLE AL | 291.9 | APP | USERRECORI | D-01 |

Total scenarios = 5

Result key: 4

Scenario 1 Affected station 3

Before Analysis

```
Results for: 19A AL DEMOPOLIS
                                     BLEDT 20090511AHE LIC
  HAAT 325.0 m, ATV ERP 1000.0 kW
                            POPULATION AREA (sq km)
                                         27115.8
  within Noise Limited Contour
                                  347799
  not affected by terrain losses
                                  343641
                                             26773.3
   lost to NTSC IX
                                             0.0
                                   0
   lost to additional IX by ATV
                                   21250
                                               354.7
  lost to ATV IX only
                                   21250
                                               354.7
  lost to all IX
                                   21250
                                              354.7
 Potential Interfering Stations Included in above Scenario
18A AL BESSEMER
                         BLCDT
                                   20060421ABG LIC
19A GA ATLANTA
                         BPCDT
                                   20040220ACX CP
20A AL MONTGOMERY
                         BPCDT
                                  20090206AAN CP
After Analysis
Results for: 19A AL DEMOPOLIS
                                    BLEDT 20090511AHE LIC
  HAAT 325.0 m, ATV ERP 1000.0 kW
                              POPULATION AREA (sq km)
                                           27115.8
  within Noise Limited Contour
                                  347799
  not affected by terrain losses
                                  343641
                                             26773.3
  lost to NTSC IX
                                             0.0
                                    0
  lost to additional IX by ATV
                                   21331
                                               378.8
  lost to ATV IX only
                                   21331
                                               378.8
  lost to all IX
                                   21331
 Potential Interfering Stations Included in above Scenario
18A AL BESSEMER
                         BLCDT
                                   20060421ABG LIC
                                   20040220ACX CP
19A GA ATLANTA
                         RPCDT
20A AL MONTGOMERY
                                  20090206AAN CP
                         BPCDT
19A AL HUNTSVILLE
                         USERRECORD01
                                              APP
Percent new IX = 0.0251%
Result key:
               5
            2 Affected station
Scenario
Before Analysis
Results for: 19A AL DEMOPOLIS
                                     BLEDT
                                            20090511AHE LIC
  HAAT 325.0 m, ATV ERP 1000.0 kW
  not affected by terrain losses
                                  343641
                                             26773.3
   lost to NTSC IX
                                   0
                                               0.0
  lost to additional IX by ATV
                                   21331
                                               378.8
  lost to ATV IX only
                                   21331
                                               378.8
  lost to all IX
                                   21331
                                               378.8
 Potential Interfering Stations Included in above Scenario
18A AL BESSEMER
                         BLCDT
                                   20060421ABG LIC
19A AL HUNTSVILLE
                         BPRM
                                   20090423ADN APP
                         BPCDT
19A GA ATLANTA
                                   20040220ACX CP
20A AL MONTGOMERY
                         BPRM
                                   20080819ADH APP
                                  20090206AAN CP
20A AL MONTGOMERY
                         BPCDT
After Analysis
Results for: 19A AL DEMOPOLIS
                                    BLEDT 20090511AHE LIC
  HAAT 325.0 m, ATV ERP 1000.0 kW
                                         AREA (sq km)
                              POPIIIATION
                                  347799
  within Noise Limited Contour
                                             27115.8
  not affected by terrain losses
                                  343641
                                             26773.3
  lost to NTSC IX
                                                0.0
  lost to additional IX by ATV
                                   21331
                                               378.8
  lost to ATV IX only
                                   21331
                                               378.8
  lost to all IX
                                              378.8
                                   21331
 Potential Interfering Stations Included in above Scenario
```

```
18A AL BESSEMER
                          BLCDT
                                     20060421ABG LIC
                         BPRM
19A AL HUNTSVILLE
                                   20090423ADN APP
                          BPCDT
BPRM

        BPCDT
        20040220ACX
        CP

        BPRM
        20080819ADH
        APP

        BPCDT
        20090206AAN
        CP

19A GA ATLANTA
20A AL MONTGOMERY
20A AL MONTGOMERY
19A AL HUNTSVILLE
                           USERRECORD01
                                            APP
Percent new IX = 0.0000%
Result key: 6
Scenario 3 Affected station
Before Analysis
Results for: 19A AL DEMOPOLIS
                                      BLEDT 20090511AHE LIC
  HAAT 325.0 m, ATV ERP 1000.0 kW
  within Noise Limited Contour 347799 27115.8
   not affected by terrain losses
                                    343641
                                     0
21331
                                              0.0
   lost to NTSC IX
   lost to additional IX by ATV
                                                  378.8
   lost to ATV IX only
                                     21331
                                                  378.8
   lost to all IX
                                     21331
                                                  378.8
 Potential Interfering Stations Included in above Scenario
                          BLCDT
18A AL BESSEMER
                                     20060421ABG LIC
                          BPRM
BPCDT
                                     20090423ADN APP
19A AL HUNTSVILLE
19A GA ATLANTA
                                     20040220ACX CP
                          BPCDT 20090206AAN CP
20A AL MONTGOMERY
After Analysis
                                      BLEDT 20090511AHE LIC
Results for: 19A AL DEMOPOLIS
  HAAT 325.0 m, ATV ERP 1000.0 kW
                            POPULATION AREA (sq km)
                                             27115.8
                                 347799
   within Noise Limited Contour
   not affected by terrain losses
                                                26773.3
   lost to NTSC IX
                                        Ο
                                                0.0
   lost to additional IX by ATV
                                                  378.8
                                     21331
                                                 378.8
   lost to ATV IX only
                                     21331
   lost to all IX
                                     21331
                                                  378.8
 Potential Interfering Stations Included in above Scenario
18A AL BESSEMER
                           BLCDT
                                     20060421ABG LIC
                          BPRM
BPCDT
19A AL HUNTSVILLE
                                     20090423ADN APP
19a ga atlanta
                                     20040220ACX CP
                                  20090206AAN CP
                           BPCDT
20A AL MONTGOMERY
19A AL HUNTSVILLE
                           USERRECORD01
                                                  APP
Percent new IX = 0.0000%
Result key: 7
Scenario 4 Affected station
Before Analysis
                                      BLEDT 20090511AHE LIC
Results for: 19A AL DEMOPOLIS
  HAAT 325.0 m, ATV ERP 1000.0 kW
                                POPULATION AREA (sq km)
   within Noise Limited Contour
                                 347799
                                             27115.8
   not affected by terrain losses
                                    343641
                                                26773.3
                                              0.0
   lost to NTSC IX
                                     0
   lost to additional IX by ATV
                                     21250
                                                  354.7
   lost to ATV IX only
                                     21250
                                                  354.7
   lost to all IX
                                     21250
 Potential Interfering Stations Included in above Scenario
18A AL BESSEMER
                          BLCDT
                                     20060421ABG LIC
19A GA ATLANTA
                           BPCDT
                                     20040220ACX CP
```

20080819ADH APP

BPRM

20A AL MONTGOMERY

20A AL MONTGOMERY BPCDT 20090206AAN CP

After Analysis

Results for: 19A AL DEMOPOLIS BLEDT 20090511AHE LIC

HAAT 325.0 m, ATV ERP 1000.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 347799 | 27115.8 |
| not affected by terrain losses | 343641 | 26773.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 21331 | 378.8 |
| lost to ATV IX only | 21331 | 378.8 |
| lost to all IX | 21331 | 378.8 |

Potential Interfering Stations Included in above Scenario 4

| 18A | AL | BESSEMER | BLCDT | 20060421ABG | LIC |
|-----|-----|------------|------------|-------------|-----|
| 19A | GA | ATLANTA | BPCDT | 20040220ACX | CP |
| 20A | AL | MONTGOMERY | BPRM | 20080819ADH | APP |
| 20A | AL | MONTGOMERY | BPCDT | 20090206AAN | CP |
| 19A | ΔT. | HUNTSVILLE | USERRECORI | 001 | APP |

Percent new IX = 0.0251%

Result key: 8
Scenario 5 Affected station 3

Before Analysis

BLEDT Results for: 19A AL DEMOPOLIS 20090511AHE LIC HAAT 325.0 m, ATV ERP 1000.0 kW

POPULATION AREA (sq km) within Noise Limited Contour 347799 27115.8 27115.8 26773.3 not affected by terrain losses 343641 lost to NTSC IX 0 0.0

lost to additional IX by ATV 21250 354.7 lost to ATV IX only 354.7 21250 lost to all IX 21250 354.7

Potential Interfering Stations Included in above Scenario 5

| 18A AL BESSEMER | BLCDT | 20060421ABG | LIC |
|-------------------|-------|-------------|-----|
| 19A GA ATLANTA | BPCDT | 20040220ACX | CP |
| 20A AL MONTGOMERY | BPCDT | 20090206AAN | CP |

After Analysis

Results for: 19A AL DEMOPOLIS BLEDT 20090511AHE LIC HAAT 325.0 m, ATV ERP 1000.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 347799 | 27115.8 |
| not affected by terrain losses | 343641 | 26773.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 21331 | 378.8 |
| lost to ATV IX only | 21331 | 378.8 |
| lost to all IX | 21331 | 378.8 |

Potential Interfering Stations Included in above Scenario 5

| 18A | AL | BESSEMER | BLCDT | 20060421ABG | LIC |
|-----|----|------------|------------|-------------|-----|
| 19A | GA | ATLANTA | BPCDT | 20040220ACX | CP |
| 20A | AL | MONTGOMERY | BPCDT | 20090206AAN | CP |
| 19A | ΑL | HUNTSVILLE | USERRECORI | APP | |

Percent new IX = 0.0251%

Worst case new IX 0.0251% Scenario

Analysis of current record

Channel Call City/State 19 WHNT-DR HUNTSVILLE AL Application Ref. No. BPRM -20090423ADN

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|---------|-------------------|----------|--------|-------------|--------------|
| 18 | WDBB | BESSEMER AL | 161.0 | LIC | BLCDT | -20060421ABG |
| 19 | WIIQ | DEMOPOLIS AL | 291.9 | LIC | BLEDT | -20090511AHE |
| 19 | WGCL-TV | ATLANTA GA | 226.3 | LIC | BLCDT | -19981211KE |
| 19 | WGCL-TV | ATLANTA GA | 226.4 | CP | BPCDT | -20040220ACX |
| 19 | WBKI-TV | CAMPBELLSVILLE KY | 325.3 | LIC | BLCDT | -20080811ABA |
| 20 | WPCH-TV | ATLANTA GA | 226.4 | LIC | BLCDT | -20050204AAD |
| 19 | WHNT | HUNTSVILLE AL | 0.0 | APP | USERRECOR | D-01 |

Total scenarios = 2

Result key: 9
Scenario 1 Affected station 4

Before Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP HAAT 531.0 m, ATV ERP 250.0 kW POPULATION AREA (sq km)

| | | 1111111 (2 4 11111) |
|--------------------------------|---------|-----------------------|
| within Noise Limited Contour | 1425383 | 36270.9 |
| not affected by terrain losses | 1355684 | 34155.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 32936 | 1138.2 |
| lost to ATV IX only | 32936 | 1138.2 |
| lost to all IX | 32936 | 1138.2 |
| | | |

Potential Interfering Stations Included in above Scenario 1

| 18A | AL | BESSEMER | BLCDT | 20060421ABG | LIC |
|-----|----|----------------|-------|-------------|-----|
| 19A | AL | DEMOPOLIS | BLEDT | 20090511AHE | LIC |
| 19A | GA | ATLANTA | BLCDT | 19981211KE | LIC |
| 19A | ΚY | CAMPBELLSVILLE | BLCDT | 20080811ABA | LIC |

After Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP HAAT 531.0 m, ATV ERP 250.0 kW

| 11AA1 551.0 m, AIV ERI 250.0 1 | 711 | |
|--------------------------------|------------|--------------|
| | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 1425383 | 36270.9 |
| not affected by terrain losses | 1355684 | 34155.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1217920 | 27563.1 |
| lost to ATV IX only | 1217920 | 27563.1 |
| lost to all IX | 1217920 | 27563.1 |

Potential Interfering Stations Included in above Scenario 1

| 18A AL | BESSEMER | BLCDT | 20060421ABG | LIC |
|--------|----------------|------------|-------------|-----|
| 19A AL | DEMOPOLIS | BLEDT | 20090511AHE | LIC |
| 19A GA | ATLANTA | BLCDT | 19981211KE | LIC |
| 19A KY | CAMPBELLSVILLE | BLCDT | 20080811ABA | LIC |
| 19A AL | HUNTSVILLE | USERRECORI | APP | |

The following station failed the de minimis interference criteria. 19D AL HUNTSVILLE USERRECORD01 ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m

Antenna none

Due to interference to the following station and scenario: 1 19D AL HUNTSVILLE BPRM 20090423ADN ERP 250.00 kW HAAT 531.0 m RCAMSL 766.0 m

9999999999999 Antenna

Percent new interference from proposal: 89.5850 to BPRM 20090423ADN

Result key: 10 Scenario 2 Affected station

Before Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP

HAAT 531.0 m, ATV ERP 250.0 kW

POPULATION AREA (sq km) within Noise Limited Contour 36270.9 1425383 not affected by terrain losses 1355684 34155.3 lost to NTSC IX 0 0.0 lost to additional IX by ATV 54698 1721.4 1721.4 lost to ATV IX only 54698 lost to all IX 54698 1721.4

Potential Interfering Stations Included in above Scenario 2

18A AL BESSEMER BLCDT 20060421ABG LIC 19A AL DEMOPOLIS BLEDT 20090511AHE LIC 19A GA ATLANTA BPCDT 20040220ACX CP BLCDT 19A KY CAMPBELLSVILLE 20080811ABA T.TC

After Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP

HAAT 531.0 m, ATV ERP 250.0 kW

POPULATION AREA (sq km) 1425383 36270.9 within Noise Limited Contour not affected by terrain losses 1355684 34155.3 lost to NTSC IX 0 0.0 lost to additional IX by ATV 1217920 27563.1 1217920 27563.1 lost to ATV IX only 1217920 27563.1 lost to all IX

Potential Interfering Stations Included in above Scenario

20060421ABG LIC 18A AL BESSEMER BLCDT 19A AL DEMOPOLIS BLEDT 20090511AHE LIC 19A GA ATLANTA BPCDT 20040220ACX CP 19A KY CAMPBELLSVILLE 20080811ABA LIC BLCDT USERRECORD01 19A AL HUNTSVILLE APP

The following station failed the de minimis interference criteria. 19D AL HUNTSVILLE USERRECORD01

ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m

Antenna none

Due to interference to the following station and scenario: 2 19D AL HUNTSVILLE BPRM 20090423ADN ERP 250.00 kW HAAT 531.0 m RCAMSL 766.0 m

9999999999999

Percent new interference from proposal: 89.4108 to BPRM 20090423ADN

Worst case new IX 89.5850% Scenario

Proposed station is MX

19A AL HUNTSVILLE USERRECORD01 19A AL HUNTSVILLE BPRM 20090423ADN APP

Proposal MX with BPRM 20090423ADN scenario 1 of station

Proposed station is MX

19A AL HUNTSVILLE USERRECORD01 BPRM 20090423ADN APP 19A AL HUNTSVILLE

Proposal MX with BPRM 20090423ADN scenario 2 of station

Analysis of current record

Call City/State Application Ref. No. Channel MONTEVALLO AL 19 WOTM-LP BLTTL -19970514JI

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|-----------|--------------------|----------|--------|-------------|--------------|
| 18 | WDBB | BESSEMER AL | 63.8 | LIC | BLCDT | -20060421ABG |
| 19 | WIIQ | DEMOPOLIS AL | 131.0 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 178.4 | APP | BPRM | -20090423ADN |
| 19 | NEW | MONTGOMERY AL | 104.5 | APP | BNPDTL | -20091026ABG |
| 19 | WGCL-TV | ATLANTA GA | 242.5 | LIC | BLCDT | -19981211KE |
| 19 | WGCL-TV | ATLANTA GA | 242.6 | CP | BPCDT | -20040220ACX |
| 20 | W34BI | BIRMINGHAM AL | 34.1 | CP | BDISDTL | -20091216AAC |
| 26 | WTJP-TV | GADSDEN AL | 81.8 | LIC | BLCDT | -20050511AAF |
| 26 | WTJP-TV | GADSDEN AL | 81.8 | CP | BPCDT | -20080616AEF |
| 27 | WAIQ | MONTGOMERY AL | 99.7 | LIC | BLEDT | -20060706ACK |
| 33 | WCFT-TV | TUSCALOOSA AL | 66.0 | CP MOD | BMPCDT | -20090611ACX |
| 34 | W34BI | BIRMINGHAM AL | 34.1 | LIC | BLTTL | -19930412IN |
| 19 | WHNT | HUNTSVILLE AL | 178.4 | APP | USERRECORI | D-01 |
| Prop | osal caus | es no interference | | | | |

Analysis of Interference to Affected Station 6

Analysis of current record

Call City/State Application Ref. No. Channel ATLANTA GA 19 WGCL-TV BLCDT -19981211KE

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applicati | on Ref. No. |
|------|---------|-------------------|----------|--------|-----------|--------------|
| 18 | WNEH | GREENWOOD SC | 209.6 | LIC | BLEDT | -20090622ADL |
| 19 | WIIQ | DEMOPOLIS AL | 366.2 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 226.3 | APP | BPRM | -20090423ADN |
| 19 | WBKI-TV | CAMPBELLSVILLE KY | Y 425.7 | LIC | BLCDT | -20080811ABA |
| 20 | WPCH-TV | ATLANTA GA | 0.1 | LIC | BLCDT | -20050204AAD |
| 19 | WHNT | HUNTSVILLE AL | 226.3 | APP | USERRECOR | D-01 |

Total scenarios = 3

Result key: 11 Scenario 1 Affected station 6

Before Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC

HAAT 329.0 m, ATV ERP 49.0 kW

POPULATION AREA (sq km) within Noise Limited Contour 4335961 19795.4 19417.9 not affected by terrain losses 4322484 lost to NTSC IX 0 0.0 lost to additional IX by ${\tt ATV}$ 10529 188.8 lost to ATV IX only 10529 188.8 lost to all IX 10529 188.8

Potential Interfering Stations Included in above Scenario 1

20A GA ATLANTA BLCDT 20050204AAD LIC

After Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC

HAAT 329.0 m, ATV ERP 49.0 kW

```
within Noise Limited Contour 4335961 AREA (sq km) not affected by terrain losses 4322484 19417.9
                                                  0.0
   lost to NTSC IX
                                           0
   lost to additional IX by ATV
                                         25729
                                                      546.2
   lost to ATV IX only
                                         25729
                                                      546.2
   lost to all IX
                                        25729
 Potential Interfering Stations Included in above Scenario
                             BLCDT 20050204AAD LIC
20A GA ATLANTA
19A AL HUNTSVILLE
                             USERRECORD01
                                                     APP
Percent new IX = 0.3525%
Result key: 12
Scenario 2 Affected station 6
Before Analysis
Results for: 19A GA ATLANTA
HAAT 329.0 m, ATV ERP 49.0 kW
                                         BLCDT 19981211KE LIC
   \begin{array}{ccc} & & & \text{POPULATION} & \text{AREA (sq km)} \\ \text{within Noise Limited Contour} & & 4335961 & & 19795.4 \end{array}
                                                19795.4
   not affected by terrain losses
                                      4322484
                                                    19417.9
                                                   0.0
   lost to NTSC IX
                                          0
   lost to additional IX by ATV
                                        25729
                                                      546.2
                                         25729
   lost to ATV IX only
                                                      546.2
                                        25729
   lost to all TX
                                                      546.2
 Potential Interfering Stations Included in above Scenario
                            BPRM
19A AL HUNTSVILLE
                                        20090423ADN APP
20A GA ATLANTA
                            BLCDT
                                       20050204AAD LIC
After Analysis
                                         BLCDT 19981211KE LIC
Results for: 19A GA ATLANTA
   HAAT 329.0 m, ATV ERP 49.0 kW
   within Noise Limited Contour \begin{array}{ccc} & \text{POPULATION} & \text{AREA (sq km)} \\ 4335961 & 19795.4 \end{array}
                                                 19795.4
                                                    19417.9
   not affected by terrain losses
                                      4322484
                                                  0.0
                                    0
   lost to NTSC IX
   lost to additional IX by ATV
                                         25729
                                                      546.2
   lost to ATV IX only
                                         25729
                                                      546.2
   lost to all IX
                                        25729
                                                      546.2
 Potential Interfering Stations Included in above Scenario
                            BPRM
19A AL HUNTSVILLE
                                        20090423ADN APP
                             BLCDT 20050204AAD LIC
20A GA ATLANTA
                             USERRECORD01
19A AL HUNTSVILLE
Percent new IX = 0.0000%
Result key: 13
Scenario 3 Affected station 6
Before Analysis
Results for: 19A GA ATLANTA
                                         BLCDT 19981211KE LIC
   HAAT 329.0 m, ATV ERP 49.0 kW
   \begin{array}{ccc} & & \text{POPULATION} & \text{AREA (sq km)} \\ \text{within Noise Limited Contour} & 4335961 & 19795.4 \end{array}
                                                 19795.4
   not affected by terrain losses
                                      4322484
                                                    19417.9
                                                  0.0
188.8
   lost to NTSC IX
                                       0
   lost to additional IX by ATV
                                        10529
   lost to ATV IX only
                                        10529
                                                      188.8
   lost to all IX
                                        10529
 Potential Interfering Stations Included in above Scenario 3
```

BLCDT

20050204AAD LIC

20A GA ATLANTA

After Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC HAAT 329.0 m, ATV ERP 49.0 kW

within Noise Limited Contour 4335961 19705 (sq km) not affected by terrain losses 4322484 19417.9 lost to NTSC IX 0 0.0 lost to additional IX by ATV 25729 546.2 lost to ATV IX only 25729 546.2 lost to all IX 25729 546.2

Potential Interfering Stations Included in above Scenario

BLCDT 20A GA ATLANTA 20050204AAD LIC USERRECORD01 19A AL HUNTSVILLE APP

Percent new IX = 0.3525%

Worst case new IX 0.3525% Scenario 1

Analysis of Interference to Affected Station 7

Analysis of current record

Application Ref. No. Channel Call City/State 19 WGCL-TV ATLANTA GA BPCDT -20040220ACX

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applicati | on Ref. No. |
|------|---------|-------------------|----------|--------|-----------|--------------|
| 18 | WNEH | GREENWOOD SC | 209.5 | LIC | BLEDT | -20090622ADL |
| 19 | WIIQ | DEMOPOLIS AL | 366.3 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 226.4 | APP | BPRM | -20090423ADN |
| 19 | WBKI-TV | CAMPBELLSVILLE KY | Y 425.8 | LIC | BLCDT | -20080811ABA |
| 20 | WPCH-TV | ATLANTA GA | 0.0 | LIC | BLCDT | -20050204AAD |
| 19 | WHNT | HUNTSVILLE AL | 226.4 | APP | USERRECOF | RD-01 |

Total scenarios = 3

Result key: 14 Scenario 1 Affected station 7

Before Analysis

Results for: 19A GA ATLANTA BPCDT 20040220ACX CP HAAT 329.0 m, ATV ERP 1000.0 kW

| | POPULATION | AREA (sq km |
|--------------------------------|------------|-------------|
| within Noise Limited Contour | 4874238 | 33631.0 |
| not affected by terrain losses | 4827653 | 32241.5 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 42 | 4.0 |
| lost to ATV IX only | 42 | 4.0 |
| lost to all IX | 42 | 4.0 |
| | | |

Potential Interfering Stations Included in above Scenario 1

19A AL DEMOPOLIS BLEDT 20090511AHE LIC

After Analysis

Results for: 19A GA ATLANTA BPCDT 20040220ACX CP

HAAT 329.0 m, ATV ERP 1000.0 kW

| | POPULATION | AREA (sq km) | |
|--------------------------------|------------|--------------|--|
| within Noise Limited Contour | 4874238 | 33631.0 | |
| not affected by terrain losses | 4827653 | 32241.5 | |
| lost to NTSC IX | 0 | 0.0 | |
| lost to additional IX by ATV | 20413 | 722.9 | |
| lost to ATV IX only | 20413 | 722.9 | |

20413 722.9 lost to all IX

Potential Interfering Stations Included in above Scenario 1

19A AL DEMOPOLIS BLEDT 20090511AHE LIC 19A AL HUNTSVILLE USERRECORD01

Percent new IX = 0.4220%

Result key: 15 Scenario 2 Affected station

Before Analysis

Results for: 19A GA ATLANTA BPCDT 20040220ACX CP

HAAT 329.0 m, ATV ERP 1000.0 kW

| 111111 | | |
|--------------------------------|------------|--------------|
| | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 4874238 | 33631.0 |
| not affected by terrain losses | 4827653 | 32241.5 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 20160 | 714.9 |
| lost to ATV IX only | 20160 | 714.9 |
| lost to all IX | 20160 | 714.9 |
| | | |

Potential Interfering Stations Included in above Scenario

19A AL DEMOPOLIS BLEDT 20090511AHE LIC 19A AL HUNTSVILLE 20090423ADN APP BPRM

After Analysis

Results for: 19A GA ATLANTA
HAAT 329.0 m, ATV ERP 1000.0 kW BPCDT 20040220ACX CP

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 4874238 | 33631.0 |
| not affected by terrain losses | 4827653 | 32241.5 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 20413 | 722.9 |
| lost to ATV IX only | 20413 | 722.9 |
| lost to all IX | 20413 | 722.9 |

Potential Interfering Stations Included in above Scenario

19A AL DEMOPOLIS 20090511AHE LIC 19A AL HUNTSVILLE BPRM 20090423ADN APP 19A AL HUNTSVILLE USERRECORD01 APP

Percent new IX = 0.0053%

Result key: 16
Compario 3 Affected station

Before Analysis

BPCDT 20040220ACX CP Results for: 19A GA ATLANTA HAAT 329.0 m, ATV ERP 1000.0 kW

POPULATION AREA (sq km) within Noise Limited Contour 4874238 33631.0 not affected by terrain losses 4827653 32241.5 lost to NTSC IX 0 0.0 lost to additional IX by ATV 42 4.0

lost to ATV IX only lost to all IX 42 4.0 42 4.0

Potential Interfering Stations Included in above Scenario

19A AL DEMOPOLIS BLEDT 20090511AHE LIC

After Analysis

Results for: 19A GA ATLANTA BPCDT 20040220ACX CP

HAAT 329.0 m, ATV ERP 1000.0 kW

POPULATION AREA (sq km) within Noise Limited Contour 4874238 33631.0

```
not affected by terrain losses 4827653
                                              32241.5
  lost to NTSC IX 0 lost to additional IX by ATV 20413
                                              0.0
                                                 722.9
   lost to ATV IX only
                                    20413
                                                 722.9
   lost to all IX
                                    20413
                                                 722.9
 Potential Interfering Stations Included in above Scenario
19A AL DEMOPOLIS
                          BLEDT
                                   20090511AHE LIC
19A AL HUNTSVILLE
                          USERRECORD01
                                                 APP
Percent new IX = 0.4220%
Worst case new IX 0.4220% Scenario
Analysis of Interference to Affected Station 8
Analysis of current record
Channel
          Call
                         City/State
                                          Application Ref. No.
                     CAMPBELLSVILLE KY
                                           BLCDT -20080811ABA
  19
          WBKI-TV
     Stations Potentially Affecting This Station
                                    Dist(km) Status Application Ref. No.

101.7 LIC BLEDT -20040803AAG

325.3 APP BPRM -20090423ADN
Chan
      Call
               City/State
18 WKYU-TV BOWLING GREEN KY
 19
    WHNT-DR HUNTSVILLE AL
                                      425.7 LIC BLCDT
425.8 CP BPCDT
275.9 LIC BLEDT
    WGCL-TV ATLANTA GA
WGCL-TV ATLANTA GA
                                                             -19981211KE
-20040220ACX
 19
 19
     WUSI-TV OLNEY IL
                                                              -20060619ABG
 19
     WVAH-TV CHARLESTON WV
 19
                                       325.3 CP MOD BMPCDT
                                                              -20040406AAX
                                     183.9 CP BPCDT -19991101AHC
186.2 LIC BLCDT -20090619ABD
 20 WAZE-TV MADISONVILLE KY
     WBXX-TV CROSSVILLE TN
                                      186.2 LIC BLCDT -20
325.3 APP USERRECORD-01
 2.0
    WHNT
 19
           HUNTSVILLE AL
 Total scenarios =
Result key: 17
Scenario 1 Affected station 8
Before Analysis
Results for: 19A KY CAMPBELLSVILLE
                                     BLCDT 20080811ABA LIC
   HAAT 341.0 m, ATV ERP 1000.0 kW
                                POPULATION AREA (sq km)
                                             29507.2
   within Noise Limited Contour
                                  1977348
   not affected by terrain losses
                                  1952985
                                               28838.8
   lost to NTSC IX
                                               0.0
   lost to additional IX by ATV
                                      7805
                                                 189.3
   lost to ATV IX only
                                      7805
                                                 189.3
   lost to all IX
                                      7805
                                                189.3
 Potential Interfering Stations Included in above Scenario
18A KY BOWLING GREEN
                          BLEDT
                                    20040803AAG LIC
                                    20060619ABG LIC
19A IL OLNEY
                         BLEDT
                          BMPCDT
BLCDT
19A WV CHARLESTON
                                    20040406AAX CP
20A TN CROSSVILLE
                                    20090619ABD LIC
After Analysis
                                     BLCDT 20080811ABA LIC
Results for: 19A KY CAMPBELLSVILLE
   HAAT 341.0 m, ATV ERP 1000.0 kW
                               POPULATION AREA (sq km)
                                1977348 29507.2
   within Noise Limited Contour
```

1952985

0 0.0 K by ATV 8645 225.5 8645 225.5

28838.8

not affected by terrain losses

lost to additional IX by ATV

lost to NTSC IX

lost to ATV IX only

8645 225.5 lost to all IX

Potential Interfering Stations Included in above Scenario 18A KY BOWLING GREEN BLEDT 20040803AAG LIC 19A IL OLNEY BLEDT 20060619ABG LIC 19A WV CHARLESTON 20040406AAX CP BMPCDT 20A TN CROSSVILLE BLCDT 20090619ABD LIC 19A AL HUNTSVILLE USERRECORD01 APP Percent new IX = 0.0432% Result key: 18
Scenario 2 Affected station Before Analysis Results for: 19A KY CAMPBELLSVILLE 20080811ABA LIC BLCDT HAAT 341.0 m, ATV ERP 1000.0 kW POPULATION AREA (sq km) within Noise Limited Contour 1977348 29507.2 not affected by terrain losses 1952985 28838.8 lost to NTSC IX 0 0.0 lost to additional IX by ATV 8645 225.5 lost to ATV IX only 8645 225.5 lost to all IX 8645 225.5 Potential Interfering Stations Included in above Scenario BLEDT 18A KY BOWLING GREEN 20040803AAG LIC 19A AL HUNTSVILLE BPRM 20090423ADN APP 19A IL OLNEY BLEDT 20060619ABG LIC 19A WV CHARLESTON 20040406AAX CP BMPCDT 20A TN CROSSVILLE 20090619ABD LIC BLCDT After Analysis Results for: 19A KY CAMPBELLSVILLE BLCDT 20080811ABA T.TC HAAT 341.0 m, ATV ERP 1000.0 kW POPULATION AREA (sq km) within Noise Limited Contour 1977348 29507.2 28838.8 not affected by terrain losses 1952985 lost to NTSC IX 0 0.0 225.5 lost to additional IX by ATV 8645 lost to ATV IX only 8645 225.5 lost to all IX 8645 225.5 Potential Interfering Stations Included in above Scenario BLEDT 18A KY BOWLING GREEN 20040803AAG LIC 19A AL HUNTSVILLE BPRM 20090423ADN APP 19A IL OLNEY BLEDT 20060619ABG LIC 19A WV CHARLESTON BMPCDT 20040406AAX CP 20A TN CROSSVILLE BLCDT 20090619ABD LIC 19A AL HUNTSVILLE USERRECORD01 Percent new IX = 0.0000% 19 Result key: Scenario 3 Affected station Before Analysis Results for: 19A KY CAMPBELLSVILLE BLCDT 20080811ABA LIC HAAT 341.0 m, ATV ERP 1000.0 kW AREA (sq km) POPULATION within Noise Limited Contour 1977348 29507.2 not affected by terrain losses 1952985 28838.8 lost to NTSC IX 0.0 lost to additional IX by ATV 7805 189.3 lost to ATV IX only 7805 189.3 lost to all IX 7805 189.3

Potential Interfering Stations Included in above Scenario

| 18A KY | BOWLING GREEN | BLEDT | 20040803AAG | LIC |
|--------|---------------|--------|-------------|-------|
| 19A IL | OLNEY | BLEDT | 20060619ABG | LIC |
| 19A WV | CHARLESTON | BMPCDT | 20040406AAX | CP |
| 20A TN | CROSSVILLE | BI-CDT | 20090619ARD | T.T.C |

After Analysis

Results for: 19A KY CAMPBELLSVILLE BLCDT 20080811ABA LIC HAAT 341.0 m, ATV ERP 1000.0 kW

| · | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1977348 | 29507.2 |
| not affected by terrain losses | 1952985 | 28838.8 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 8645 | 225.5 |
| lost to ATV IX only | 8645 | 225.5 |
| lost to all IX | 8645 | 225.5 |

Potential Interfering Stations Included in above Scenario 3

| 18A KY BOWLING G | REEN BLED | T 20040803AAG LIC | |
|------------------|-----------|-------------------|---|
| 19A IL OLNEY | BLED | T 20060619ABG LIC | ļ |
| 19A WV CHARLESTO | ON BMPC | DT 20040406AAX CP | |
| 20A TN CROSSVILL | LE BLCD | T 20090619ABD LIC | |
| 19A AL HUNTSVILI | LE USER | RECORD01 APP | 1 |

Percent new IX = 0.0432%

Worst case new IX 0.0432% Scenario 1

Analysis of Interference to Affected Station 9

Analysis of current record

Channel Call City/State Application Ref. No. DWJTE-LP JACKSON TN BPTTA -20030108AAX

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applicati | on Ref. No. |
|------|---------|-------------------|----------|--------|-----------|--------------|
| 18 | W18BL | ADAMSVILLE TN | 62.0 | CP | BDFCDTA | -20090824AKM |
| 19 | WIIQ | DEMOPOLIS AL | 380.0 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 227.9 | APP | BPRM | -20090423ADN |
| 19 | WUSI-TV | OLNEY IL | 352.6 | LIC | BLEDT | -20060619ABG |
| 19 | WBKI-TV | CAMPBELLSVILLE KY | 357.6 | LIC | BLCDT | -20080811ABA |
| 19 | NEW | JACKSON TN | 0.0 | APP | BNPDTL | -20100903ABD |
| 20 | NEW | JACKSON TN | 0.0 | APP | BNPDTL | -20100323AAS |
| 23 | WTWV | MEMPHIS TN | 111.5 | LIC | BLEDT | -20090619AAW |
| 19 | WHNT | HUNTSVILLE AL | 227.9 | APP | USERRECOR | D-01 |

Total scenarios = 8

Result key: 20 Scenario 1 Affected station 9

Before Analysis

| | 20030108AAX AREA (sq km) | CP |
|--------|-----------------------------|---------------------------------|
| | AREA (sq km) | |
| | | |
| 139030 | 2903.6 | |
| 139020 | 2899.5 | |
| 0 | 0.0 | |
| 0 | 0.0 | |
| 0 | 0.0 | |
| | 139030 139020 0 0 | 139020 2899.5 0 0.0 0 0.0 |

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 139030 2903.6 within Noise Limited Contour not affected by terrain losses 139020 2899.5 0.0 lost to NTSC IX 0 106 lost to additional IX by ATV 4.0 lost to all IX 106 4.0 Potential Interfering Stations Included in above Scenario 19A AL HUNTSVILLE USERRECORD01 APP Percent new IX = 0.0762% Result key: 21 Result key: 21 Scenario 2 Affected station 9 Before Analysis Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 139030 2903.6 within Noise Limited Contour not affected by terrain losses 139020 2899.5 lost to NTSC IX 0 0.0 134577 lost to additional IX by ATV 2730.4 lost to all IX 134577 2730.4 Potential Interfering Stations Included in above Scenario 19A AL HUNTSVILLE BPRM 20090423ADN APP 19A TN JACKSON BNPDTL 20100903ABD APP 20100323AAS APP 20A TN JACKSON BNPDTL After Analysis Results for: 19N TN JACKSON

BPTTA

POPULATION AREA (sq km)

2903.6 20030108AAX CP within Noise Limited Contour 139030 2903.6 not affected by terrain losses 139020 2899.5 lost to NTSC IX 0 0.0 134577 2730.4 lost to additional IX by ATV lost to all IX 134577 2730.4 Potential Interfering Stations Included in above Scenario 19A AL HUNTSVILLE BPRM 20090423ADN APP 19A TN JACKSON BNPDTL 20100903ABD APP BNPDTL 20100903ABD APP BNPDTL 20100323AAS APP 20A TN JACKSON USERRECORD01 19A AL HUNTSVILLE APP Percent new IX = 0.0000% 22 Result key: Scenario 3 Affected station 9 Before Analysis Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) within Noise Limited Contour 139030 2903.6 not affected by terrain losses 139020 2899.5 lost to NTSC IX 0 0.0 lost to additional IX by ATV 134577 2730.4 lost to all IX 134577 2730.4 Potential Interfering Stations Included in above Scenario 20090423ADN APP BPRM 19A TN JACKSON BNPDTL 20100903ABD APP After Analysis

BPTTA

20030108AAX CP

Results for: 19N TN JACKSON

POPULATION AREA (sq km) 2903.6 within Noise Limited Contour 139030 not affected by terrain losses 139020 2899.5 lost to NTSC IX 0.0 0 lost to additional IX by ATV 134577 2730.4 134577 lost to all IX 2730.4

Potential Interfering Stations Included in above Scenario

19A AL HUNTSVILLE BPRM 20090423ADN APP BNPDTL 20100903ABD APP 19A TN JACKSON 19A AL HUNTSVILLE USERRECORD01 APP

Percent new IX = 0.0000%

Result key:

Result key: 23 Scenario 4 Affected station 9

Before Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 139030 2903.6 within Noise Limited Contour not affected by terrain losses 139020 2899.5 lost to NTSC IX 0 0.0 lost to additional IX by ${\tt ATV}$ 864 52.4 lost to all IX 864 52.4

Potential Interfering Stations Included in above Scenario

19A AL HUNTSVILLE BPRM 20090423ADN APP 20A TN JACKSON BNPDTL 20100323AAS APP

After Analysis

Results for: 19N TN JACKSON 20030108AAX CP BPTTA POPULATION AREA (sq km) within Noise Limited Contour 139030 2903.6 139020 not affected by terrain losses 2899.5 lost to NTSC IX 0 0.0 lost to additional IX by ATV 864 52.4 lost to all IX 864 52.4

Potential Interfering Stations Included in above Scenario

19A AL HUNTSVILLE 20090423ADN APP BPRM BPRM 20090423ADN APP BNPDTL 20100323AAS APP 20A TN JACKSON 19A AL HUNTSVILLE USERRECORD01

Percent new IX = 0.0000%

Result key: 24 Scenario 5 Affected station 9

Before Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 2903.6 within Noise Limited Contour 139030 not affected by terrain losses 139020 2899.5 lost to NTSC IX 0.0 0 lost to additional IX by ATV 106 4.0 lost to all IX 106 4.0

Potential Interfering Stations Included in above Scenario

19A AL HUNTSVILLE BPRM 20090423ADN APP

After Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP

POPULATION AREA (sq km) within Noise Limited Contour 139030 2903.6 not affected by terrain losses 139020 2899.5 not affected by terrain losses

| lost t | to | NTSC IX | | | | 0 | 0.0 |
|--------|----|--------------|-----|----|-----|-----|-----|
| lost t | to | additional I | ζ] | by | ATV | 106 | 4.0 |
| lost t | to | all IX | | | | 106 | 4.0 |

Potential Interfering Stations Included in above Scenario 5

BPRM 20090423ADN APP 19A AL HUNTSVILLE 19A AL HUNTSVILLE USERRECORD01 APP

Percent new IX = 0.0000%

Result key: 25 Scenario 6 Affected station

Before Analysis

| Results for: 19N TN JACKSON | BPTTA | 20030108AAX | CP |
|--------------------------------|------------|--------------|----|
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 139030 | 2903.6 | |
| not affected by terrain losses | 139020 | 2899.5 | |
| lost to NTSC IX | 0 | 0.0 | |
| lost to additional IX by ATV | 134577 | 2730.4 | |
| lost to all IX | 134577 | 2730.4 | |

Potential Interfering Stations Included in above Scenario

19A TN JACKSON BNPDTL 20100903ABD APP 20A TN JACKSON BNPDTL 20100323AAS APP

After Analysis

| Results for: 19N TN JACKSON | BPTTA | 20030108AAX | CP |
|--------------------------------|------------|--------------|----|
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 139030 | 2903.6 | |
| not affected by terrain losses | 139020 | 2899.5 | |
| lost to NTSC IX | 0 | 0.0 | |
| lost to additional IX by ATV | 134577 | 2730.4 | |
| lost to all IX | 134577 | 2730.4 | |

Potential Interfering Stations Included in above Scenario

20100903ABD APP 19A TN JACKSON BNPDTL BNPDTL 20100303ABD APP BNPDTL 20100323AAS APP 20A TN JACKSON 19A AL HUNTSVILLE USERRECORD01

Percent new IX = 0.0000%

Result key: 26 Scenario 7 Affected station

Before Analysis

| Results for: 19N TN JACKSON | BPTTA | 20030108AAX | CP |
|--------------------------------|------------|--------------|----|
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 139030 | 2903.6 | |
| not affected by terrain losses | 139020 | 2899.5 | |
| lost to NTSC IX | 0 | 0.0 | |
| lost to additional IX by ATV | 134577 | 2730.4 | |
| lost to all IX | 134577 | 2730.4 | |
| | | | |

Potential Interfering Stations Included in above Scenario

19A TN JACKSON BNPDTL 20100903ABD APP

After Analysis

| Results for: 19N TN JACKSON | BPTTA | 20030108AAX | CP |
|--------------------------------|------------|--------------|----|
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 139030 | 2903.6 | |
| not affected by terrain losses | 139020 | 2899.5 | |
| lost to NTSC IX | 0 | 0.0 | |
| lost to additional IX by ATV | 134577 | 2730.4 | |
| lost to all IX | 134577 | 2730.4 | |
| | | | |

Potential Interfering Stations Included in above Scenario BNPDTL 20100903ABD APP 19A TN JACKSON 19A AL HUNTSVILLE USERRECORD01 APP

Percent new IX = 0.0000%

Result key: 27
Scenario 8 Affected station 9

Before Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 139030 2903.6 within Noise Limited Contour not affected by terrain losses 139020 2899.5 lost to NTSC IX 0.0 Ω lost to additional IX by ATV 758 48.3 lost to all IX 758 48.3

Potential Interfering Stations Included in above Scenario 8

20A TN JACKSON BNPDTL 20100323AAS APP

After Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP POPULATION AREA (sq km) 2903.6 139030 within Noise Limited Contour not affected by terrain losses 139020 2899.5 lost to NTSC IX 0 0.0 lost to additional IX by ATV 864 52.4 lost to all IX 864 52.4

Potential Interfering Stations Included in above Scenario

BNPDTL 20A TN JACKSON 20100323AAS APP 19A AL HUNTSVILLE USERRECORD01 APP

0.0762% Percent new IX =

Worst case new IX 0.0762% Scenario 1

Analysis of Interference to Affected Station 10

Analysis of current record

City/State Channel Call Application Ref. No. BLCDT -20050204AAD 20 WPCH-TV ATLANTA GA

Stations Potentially Affecting This Station

Dist(km) Status Application Ref. No. 226.4 APP BPRM -20090423ADN Chan Call City/State 19 WHNT-DR HUNTSVILLE AL WGCL-TV ATLANTA GA WGCL-TV ATLANTA GA 0.1 LIC 0.0 CP 19 BLCDT -19981211KE 19 BPCDT -20040220ACX WCOV-DR MONTGOMERY AL 265.4 APP -20080819ADH 20 BPRM 265.4 CP 255.9 LIC WCOV-TV MONTGOMERY AL -20090206AAN BPCDT 20 -20090619ABD WBXX-TV CROSSVILLE TN 2.0 BLCDT WPBA -20041013ABK -20080619AFO 21 ATLANTA GA 5.4 LIC BLEDT 215.4 CP MOD BMPCDT -200 226.4 APP USERRECORD-01 GREENVILLE SC 21 WHNS 19 WHNT HUNTSVILLE AL

Proposal causes no interference

Analysis of current record

Channel Call City/State Application Ref. No.
21 W21BZ COLLEGEDALE TN BLTTA -20010111AAI

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|---------|----------------------|----------|--------|-------------|--------------|
| 19 | WHNT-DR | HUNTSVILLE AL | 136.7 | APP | BPRM | -20090423ADN |
| 21 | WPBA | ATLANTA GA | 156.2 | LIC | BLEDT | -20041013ABK |
| 21 | WKSY-LD | SUMMERVILLE/TRION GA | 65.2 | LIC | BLDTL | -20100104AAD |
| 21 | WUPX-TV | MOREHEAD KY | 345.2 | LIC | BLCDT | -20040901ACJ |
| 21 | WHNS | GREENVILLE SC | 218.2 | CP MOD | BMPCDT | -20080619AFO |
| 21 | WUXP-TV | NASHVILLE TN | 207.6 | LIC | BLCDT | -20060414AAU |
| 22 | WCTE | COOKEVILLE TN | 129.9 | CP MOD | BMPEDT | -20090430AAC |
| 22 | WCTE | COOKEVILLE TN | 129.9 | LIC | BLEDT | -20090729ACP |
| 22 | WCTE | COOKEVILLE TN | 129.9 | CP MOD | BMPEDT | -20100813AAA |
| 24 | WHIQ | HUNTSVILLE AL | 136.5 | LIC | BLEDT | -20060927ALU |
| 29 | WTCI | CHATTANOOGA TN | 27.6 | LIC | BLEDT | -20060629ACO |
| 19 | WHNT | HUNTSVILLE AL | 136.7 | APP | USERRECORI | D-01 |

Proposed station is beyond the site to nearest cell evaluation distance

Analysis of Interference to Affected Station 12

Analysis of current record

Channel Call City/State Application Ref. No.
21 W21BZ COLLEGEDALE TN BPTTA -20030304AAR

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | on Ref. No. |
|------|---------|-----------------------|----------|--------|-------------|--------------|
| 19 | WHNT-DR | HUNTSVILLE AL | 136.7 | APP | BPRM | -20090423ADN |
| 21 | WPBA | ATLANTA GA | 156.2 | LIC | BLEDT | -20041013ABK |
| 21 | WKSY-LD | SUMMERVILLE/TRION GA | 65.2 | LIC | BLDTL | -20100104AAD |
| 21 | WUPX-TV | MOREHEAD KY | 345.2 | LIC | BLCDT | -20040901ACJ |
| 21 | WHNS | GREENVILLE SC | 218.2 | CP MOD | BMPCDT | -20080619AFO |
| 21 | WUXP-TV | NASHVILLE TN | 207.6 | LIC | BLCDT | -20060414AAU |
| 22 | WKSY-LD | SUMMERVILLE, TRION GA | 65.2 | APP | BDISDTL | -20091214ABM |
| 22 | WCTE | COOKEVILLE TN | 129.9 | CP MOD | BMPEDT | -20090430AAC |
| 22 | WCTE | COOKEVILLE TN | 129.9 | LIC | BLEDT | -20090729ACP |
| 22 | WCTE | COOKEVILLE TN | 129.9 | CP MOD | BMPEDT | -20100813AAA |
| 22 | WCTD-LP | DUCKTOWN TN | 56.5 | LIC | BLTTL | -20070622ADD |
| 24 | WHIQ | HUNTSVILLE AL | 136.5 | LIC | BLEDT | -20060927ALU |
| 29 | WTCI | CHATTANOOGA TN | 27.6 | LIC | BLEDT | -20060629ACO |
| 36 | WCNT-LP | CHATTANOOGA TN | 51.3 | LIC | BLTTL | -20050908AAJ |
| 19 | WHNT | HUNTSVILLE AL | 136.7 | APP | USERRECOR | D-01 |

Proposed station is beyond the site to nearest cell evaluation distance

Analysis of Interference to Affected Station 13

Analysis of current record

Channel Call City/State Application Ref. No.
19 WHNT HUNTSVILLE AL USERRECORD-01

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Applicati | on Ref. No. |
|------|---------|---------------|----------|--------|-----------|--------------|
| 18 | WDBB | BESSEMER AL | 161.0 | LIC | BLCDT | -20060421ABG |
| 19 | WIIQ | DEMOPOLIS AL | 291.9 | LIC | BLEDT | -20090511AHE |
| 19 | WHNT-DR | HUNTSVILLE AL | 0.0 | APP | BPRM | -20090423ADN |
| 19 | WGCL-TV | ATLANTA GA | 226.3 | LIC | BLCDT | -19981211KE |

| 19 WGCL-TV ATLANTA GA 19 WBKI-TV CAMPBELLSVIL: 20 WPCH-TV ATLANTA GA | LE KY | 226.4 325.3 226.4 | CP LIC | BPCDT BLCDT BLCDT | -20040220ACX -20080811ABA -20050204AAD | | |
|---|--|---|---|-------------------------------------|--|--|--|
| Total scenarios = 6 | | | | | | | |
| Result key: 28 Scenario 1 Affected Before Analysis | station | 13 | | | | | |
| Results for: 19A AL HUNTSVII HAAT 533.0 m, ATV ERP | 250.0 kW | | | | APP | | |
| within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX | POPUL tour 142 losses 135 ATV 3 | ATION A 8884 5632 0 3445 3445 3445 | AREA (so 36367 34211 0 1134 1134 | q km) .5 .6 .0 .2 .2 | | | |
| Potential Interfering Stat | | | | | 1 | | |
| 18A AL BESSEMER 19A AL DEMOPOLIS 19A GA ATLANTA 19A KY CAMPBELLSVILLE | | | BG LIC HE LIC E LIC BA LIC | | | | |
| Result key: 29 Scenario 2 Affected Before Analysis | station | 13 | | | | | |
| Results for: 19A AL HUNTSVII HAAT 533.0 m, ATV ERP | 250.0 kW | ATTON Z | AREA (s | or km) | APP | | |
| within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX | tour 142 losses 135 ATV 5 5 | 8884 5632 0 9467 9467 | 36367 34211 0 1721 1721 1721 | . 5 . 6 . 0 . 4 . 4 | | | |
| Potential Interfering State | ions Include | d in abov | re Scen | ario | 2 | | |
| 18A AL BESSEMER 19A AL DEMOPOLIS 19A GA ATLANTA 19A KY CAMPBELLSVILLE | BLCDT 2 BLEDT 2 BPCDT 2 BLCDT 2 | 0060421AE 0090511AF 0040220AC | BG LIC HE LIC CX CP BA LIC | | | | |
| Result key: 30 Scenario 3 Affected Before Analysis | station | 13 | | | | | |
| Results for: 19A AL HUNTSVI HAAT 533.0 m, ATV ERP | 250.0 kW | USERREC | | | APP | | |
| within Noise Limited Commot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX | tour 142 losses 135 ATV 122 122 | ATION A 8884 5632 0 1078 1078 | 36367 34211 | .5 .6 .0 .6 | | | |
| Potential Interfering Stations Included in above Scenario 3 | | | | | | | |
| 19A GA ATLANTA | BLEDT 2 BPRM 2 BLCDT 1 | 0060421AE 0090511AF 0090423AI 9981211KE 0080811AE | HE LIC ON APP E LIC | | | | |

Result key: 31

| Results for: 19A AL HUNTSVI HAAT 533.0 m, ATV ERP | LLE | USERF | RECORD01 | APP |
|---|----------------|---------------------|---------------------|-----|
| within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX | 250.0 K | .W D∩DIII.∆TTONI | ARFA (sa km) | |
| within Noise Limited Con | tour | 1428884 | 36367.5 | |
| not affected by terrain | losses | 1355632 | 34211.6 | |
| lost to NTSC IX | | 0 | 0.0 | |
| lost to additional IX by | ATV | 1221078 | 27639.6 | |
| lost to ATV IX only | | 1221078 | 27639.6 | |
| TOSC CO ATT IX | | 1221076 | 2/039.0 | |
| Potential Interfering Stat | | | | 4 |
| 18A AL BESSEMER 19A AL DEMOPOLIS 19A AL HUNTSVILLE 19A GA ATLANTA | BLCDT | 20060421 | LABG LIC | |
| 19A AL DEMOPOLIS | BLEDT | 20090511 | LAHE LIC | |
| 19A AL HUNTSVILLE | BPRM | 20090423 | BADN APP | |
| 19A GA ATLANTA 19A KY CAMPBELLSVILLE | BLCD.I. | 20040220 | JACX CP | |
| ISA KI CAMPBELLSVILLE | впсиі | 20000011 | IABA LIC | |
| Result key: 32 | | | | |
| Result key: 32 Scenario 5 Affected | statio | n 13 | | |
| Before Analysis | | | | |
| D 1. C . 103 37 777777777 | | | | |
| Results for: 19A AL HUNTSVI HAAT 533.0 m, ATV ERP | LLE | USERF | RECORDUI | APP |
| HAAI 555.0 III, AIV ERP | 250.0 K | .W D∩DIII.∆TTONI | AREA (sq km) | |
| within Noise Limited Con | tour | 1428884 | 36367.5 | |
| not affected by terrain | losses | 1355632 | 34211.6 | |
| lost to NTSC IX | | 0 | 0.0 | |
| lost to additional IX by | ATV | 33445 | 1134.2 | |
| lost to ATV IX only | | 33445 | 1134.2 | |
| within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX | | 33445 | 1134.2 | |
| Potential Interfering Stat | | | | 5 |
| 18A AL BESSEMER | BLCDT | 20060421 | ABG LTC | |
| 19A AL DEMOPOLIS | BLEDT | 20090511 | AHE LIC | |
| 18A AL BESSEMER 19A AL DEMOPOLIS 19A GA ATLANTA | BLCDT | 19981211 | LKE LIC | |
| 19A KY CAMPBELLSVILLE | BLCDT | 20080811 | LABA LIC | |
| | | | | |
| Result key: 33 Scenario 6 Affected | | 12 | | |
| Before Analysis | statio | n 13 | | |
| - | | | | |
| Results for: 19A AL HUNTSVI HAAT 533.0 m, ATV ERP | LLE 250.0 k | USERF W | RECORD01 | APP |
| within Noise Limited Con not affected by terrain | | POPULATION | AREA (sq km) | |
| within Noise Limited Con | tour | 1428884 | 36367.5 | |
| not affected by terrain | losses | 1355632 | 34211.6 | |
| lost to NTSC IX | 7 777 7 | 0 E0467 | 0.0 | |
| lost to MISC IX lost to additional IX by lost to ATV IX only | AIV | 59467 59467 | 1721.4 | |
| lost to all IX | | 59467 | 1721.1 | |
| Potential Interfering Stat | ions In | | | 6 |
| | | | | |
| 18A AL BESSEMER | BLCDT | | | |
| 19A AL DEMOPOLIS | BLEDT | | LAHE LIC DACX CP | |
| 19A GA ATLANTA 19A KY CAMPBELLSVILLE | BPCDT BLCDT | | LABA LIC | |
| 771 KI (121 DEDUC) / ITHE | C-D-1 | 2000011 | 1110 | |
| Proposal fails scenario | | | | |
| Proposal fails scenario | | | | |
| Proposal is MX with BPRM | 200 | 90423ADN ir | n scenario | 3 |
| Proposal is MX with BPRM | 200 | 90423ADN ir | n scenario | 4 |

FINISHED FINISHED FINISHED FINISHED FINISHED

APPENDIX

TRANSMITTING ANTENNA
VERTICAL PLANE PATTERN