

TECHNICAL EXHIBIT
APPLICATION FOR DTV CONSTRUCTION PERMIT
IN SUPPORT OF ITS POST-TRANSITION FACILITY
STATION WTVM-DT (FACILITY ID 595)
COLUMBUS, GEORGIA

MAY 1, 2008

CH 9 1 KW 507 M

TECHNICAL EXHIBIT
APPLICATION FOR DTV CONSTRUCTION PERMIT
IN SUPPORT OF ITS POST-TRANSITION FACILITY
STATION WTVM-DT (FACILITY ID 595)
COLUMBUS, GEORGIA
CH 9 1 KW 507 M

Table of Contents

Technical Narrative

| | |
|----------|----------------------------------|
| Figure 1 | Antenna and Supporting Structure |
| Figure 2 | Predicted FCC Coverage Contours |
| Figure 3 | OET-69 Interference Analysis |

TECHNICAL EXHIBIT
APPLICATION FOR DTV CONSTRUCTION PERMIT
IN SUPPORT OF ITS POST-TRANSITION FACILITY
STATION WTVM-DT (FACILITY ID 595)
COLUMBUS, GEORGIA
CH 9 1 KW 507 M

Technical Narrative {Up To 5-Mile Waiver Request}

This Technical Exhibit supports an application for digital television (DTV) station WTVM-DT for its post-transition DTV operation at Columbus, Georgia. This application requests a construction permit (CP) for a digital television operation on channel 9 using its existing, analog, licensed, non-directional antenna.

Proposed Facilities

Station WTVM-DT proposes to operate DTV channel 9, with a non-directional antenna effective radiated power (ERP) of 1 kilowatt and antenna height above average terrain (HAAT) of 507 meters (former HAAT has been updated per OET-69 software). The transmitter site coordinates are:

32° 19' 25" North Latitude
84° 46' 46" West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1. The antenna structure registration number is 1019721.

Figure 3 is a map showing the DTV predicted coverage contours as well as the associated analog Grade B and Appendix B allotment coverage contours. For each noise-limited contour, 360-radials and a 3-second digitized terrain database were employed. A 5-mile buffer has been added to the Appendix B allotment coverage contour. The predicted 1 kW, 36 dBu contour will not extend more than 5 miles beyond the Appendix B contour at any location. In actuality, it will only extend the Appendix B coverage by 1.6 miles. The calculated ERP level of 1 kW was limited by predicted interference caused.

The proposed 43 dBu contour will encompass all of Columbus. The Columbus city limits were derived from information contained in the 2000 U.S. Census of Population and Housing.

Population Served

The herein proposed WTVM-DT facility is predicted to serve 652,431 persons, post-transition, based upon the 2000 Census. WTVM-DT's associated Appendix B facility is predicted to serve 642,296 persons. Therefore, the herein proposed WTVM-DT facility would serve more than 100% of WTVM-DT's Appendix B population.

Allocation Considerations

Since the proposed WTVM-DT ERP exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions¹, a waiver of the current freeze on filing DTV maximization applications is hereby requested. The proposed facilities would (1) create a contour that does not extend more than 5 miles in any direction beyond the Appendix B contour and (2) not create more than 0.5% new interference to any other station.

In support of this waiver request, an allocation study was completed to ensure no prohibited interference would occur. The proposed WTVM-DT operation meets the FCC's post-transition interference standards to pertinent Class A and DTV allotments using the procedures outlined in the FCC's OET-69 Bulletin and a 2 kilometer grid cell size. The results of the interference analyses are summarized in Figure 3.

Radiofrequency Electromagnetic Field Exposure

The proposed WTVM-DT facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The

¹ See Seventh Report And Order And Eighth Further Notice Of Proposed Rule Making in the Matter of Advanced Television Systems and their Impact Upon the Existing Television Broadcast Service, MB Docket 87-268, Released August 6, 2007; Adopted August 1, 2007.

radiation center for the proposed DTV antenna is located 450 meters above ground level with an ERP of 1 kW. A conservative downward relative field value of 1.0 was assumed for existing RCA Mark II Supergain, 9-bay antenna. The calculated power density at a point 2 meters above ground level will not exceed 0.0002 mW/cm^2 . This is less than 5% of the FCC's recommended limit of 0.2 mW/cm^2 for channel 9 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. 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, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the station is at reduced power or shut down. The proposed WTVM-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.



Jonathan N. Edwards

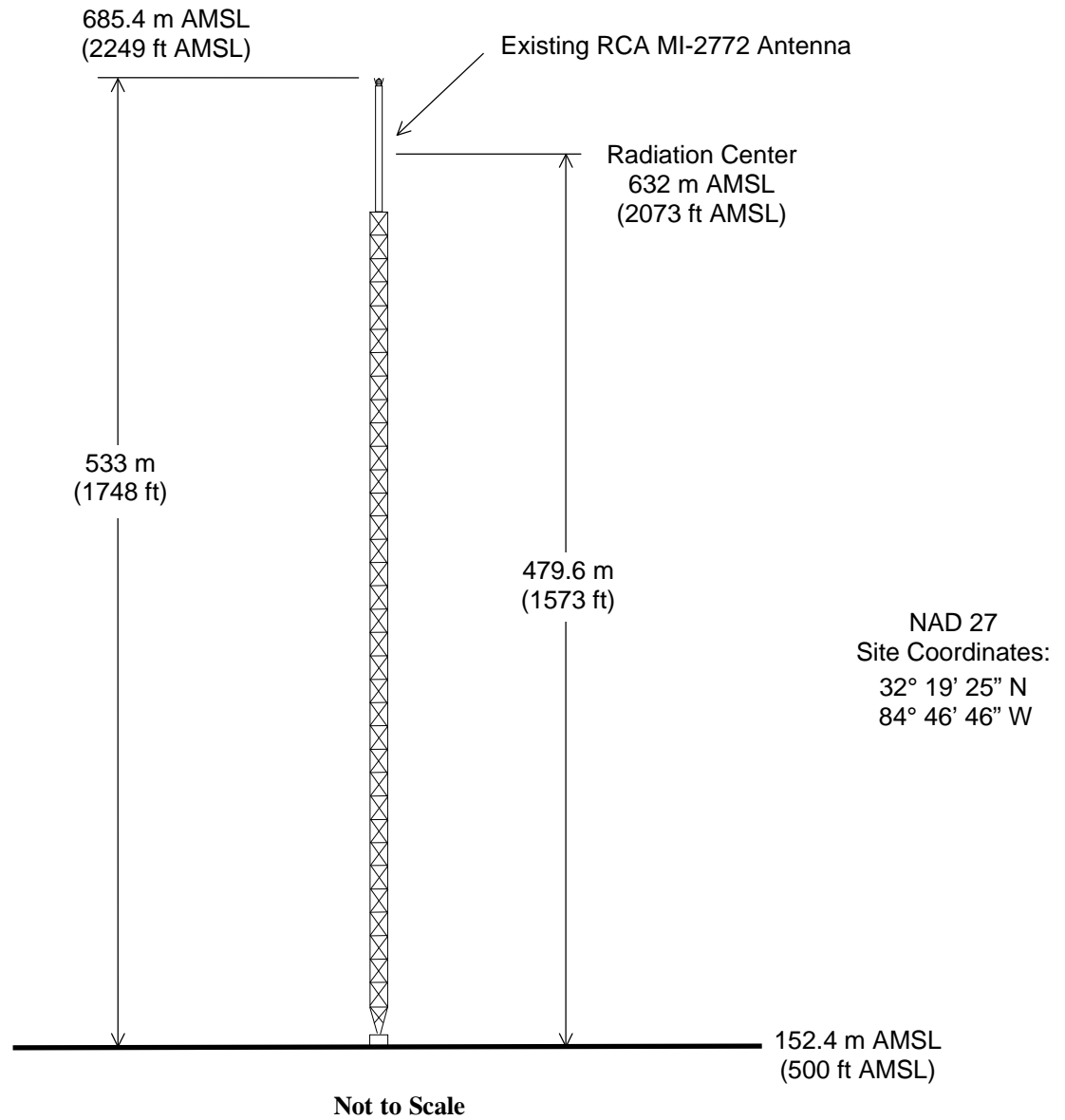
du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
(941) 329-6000
JON@DLR.COM

May 1, 2008

Figure 1



Registration No. 1019721

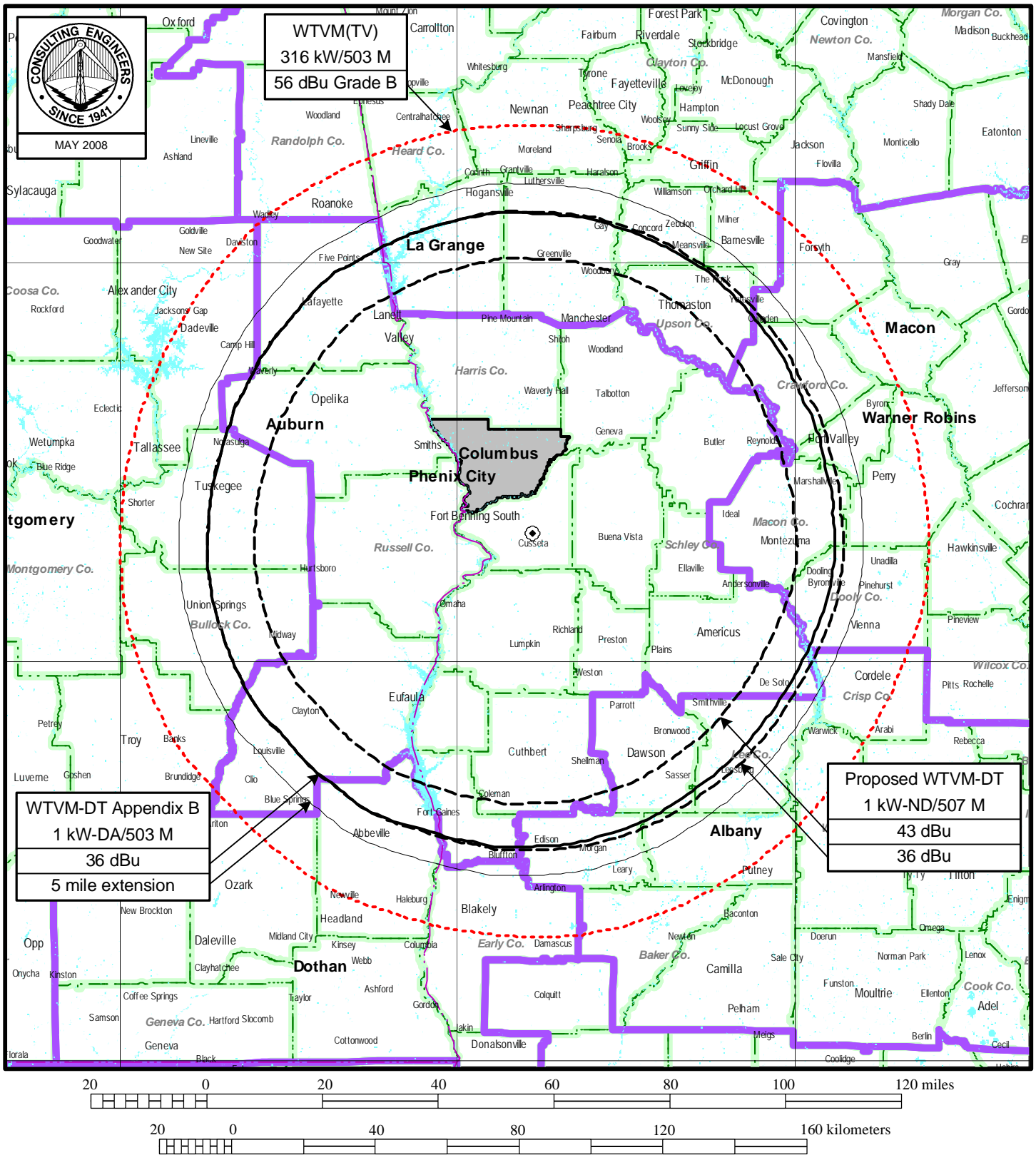


ANTENNA AND SUPPORTING STRUCTURE

STATION WTVM-DT
COLUMBUS, GEORGIA
CH 9 1 KW 507 M

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

Figure 2



PREDICTED COVERAGE CONTOURS

STATION WTVM-DT
COLUMBUS, GEORGIA
CH 9 1 kW 507 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|----------------|----------|--------|-------------|----------|
| 08 | WGTV | ATHENS GA | 175.0 | LIC | BDTV | -0386 |
| 08 | WACS-TV | DAWSON GA | 47.9 | LIC | BDTV | -0413 |
| 09 | WJSU-TV | ANNISTON AL | 209.0 | LIC | BDTV | -0019 |
| 09 | WALA-TV | MOBILE AL | 338.9 | LIC | BDTV | -0043 |
| 09 | 960920WR | GAINESVILLE FL | 365.8 | LIC | BDTV | -0308 |
| 09 | WPGX | PANAMA CITY FL | 226.0 | LIC | BDTV | -0354 |
| 09 | WVANTV | SAVANNAH GA | 297.9 | LIC | BDTV | -0422 |
| 09 | WNTV | GREENVILLE SC | 364.3 | LIC | BDTV | -1403 |
| 09 | WTVG | CHATTANOOGA TN | 319.3 | LIC | BDTV | -1443 |
| 10 | WDIQ | DOZIER AL | 174.5 | LIC | BDTV | -0029 |
| 10 | WALB | ALBANY GA | 140.3 | LIC | BDTV | -0384 |
| 10 | WXIA-TV | ATLANTA GA | 164.7 | LIC | BDTV | -0388 |

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
| 08 | WGTW | ATHENS GA | BDTV | -0386 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|---------------|----------|
| 07 | WCIQ | MOUNT CHEAHA AL | 158.1 | LIC | BDTV | -0054 |
| 07 | WDCO-TV | COCHRAN GA | 170.0 | LIC | BDTV | -0405 |
| 07 | WSPA-TV | SPARTANBURG SC | 227.7 | LIC | BDTV | -1413 |
| 08 | WACS-TV | DAWSON GA | 211.1 | LIC | BDTV | -0413 |
| 08 | WXGA-TV | WAYCROSS GA | 322.7 | LIC | BDTV | -0429 |
| 08 | WOLO-TV | COLUMBIA SC | 313.5 | LIC | BDTV | -1391 |
| 08 | WNPT | NASHVILLE TN | 349.3 | LIC | BDTV | -1478 |
| 09 | WJSU-TV | ANNISTON AL | 211.3 | LIC | BDTV | -0019 |
| 09 | WNTV | GREENVILLE SC | 203.1 | LIC | BDTV | -1403 |
| 09 | WTVG | CHATTANOOGA TN | 185.1 | LIC | BDTV | -1443 |
| 09 | WTVM | COLUMBUS GA | 175.0 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|----------|
| 08 | WACS-TV | DAWSON GA | BDTV | -0413 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|---------------|----------|
| 07 | WCIQ | MOUNT CHEAHA AL | 208.3 | LIC | BDTV | -0054 |
| 07 | WJHG-TV | PANAMA CITY FL | 186.1 | LIC | BDTV | -0353 |
| 07 | WDCO-TV | COCHRAN GA | 135.8 | LIC | BDTV | -0405 |
| 08 | WGTW | ATHENS GA | 211.1 | LIC | BDTV | -0386 |
| 08 | WXGA-TV | WAYCROSS GA | 203.8 | LIC | BDTV | -0429 |
| 08 | WOLO-TV | COLUMBIA SC | 428.2 | LIC | BDTV | -1391 |
| 09 | WPGX | PANAMA CITY FL | 195.1 | LIC | BDTV | -0354 |
| 09 | WTVM | COLUMBUS GA | 47.9 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 2

Before Analysis

Results for: 8A GA DAWSON BDTV 0413 LIC
 HAAT 313.0 m, ATV ERP 6.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 599774 | 21307.7 |
| not affected by terrain losses | 597412 | 21048.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 125599 | 1449.5 |
| lost to ATV IX only | 125599 | 1449.5 |
| lost to all IX | 125599 | 1449.5 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|----------------|------|------|-----|
| 7A GA COCHRAN | BDTV | 0405 | LIC |
| 8A GA ATHENS | BDTV | 0386 | LIC |
| 8A GA WAYCROSS | BDTV | 0429 | LIC |
| 9A GA COLUMBUS | BDTV | 0406 | LIC |

After Analysis

Results for: 8A GA DAWSON BDTV 0413 LIC
 HAAT 313.0 m, ATV ERP 6.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 599774 | 21307.7 |
| not affected by terrain losses | 597412 | 21048.2 |

| | | |
|------------------------------|--------|--------|
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 125737 | 1469.5 |
| lost to ATV IX only | 125737 | 1469.5 |
| lost to all IX | 125737 | 1469.5 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|----------------|--------------|------|-----|
| 7A GA COCHRAN | BDTV | 0405 | LIC |
| 8A GA ATHENS | BDTV | 0386 | LIC |
| 8A GA WAYCROSS | BDTV | 0429 | LIC |
| 9A GA COLUMBUS | USERRECORD01 | | APP |

Percent new IX = 0.0029%

Worst case new IX 0.0029% Scenario 1

Analysis of Interference to Affected Station 3

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-------------|-------------|----------|
| 09 | WJSU-TV | ANNISTON AL | BDTV | -0019 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|----------|
| 08 | WGTV | ATHENS GA | 211.3 | LIC | BDTV | -0386 |
| 09 | WALA-TV | MOBILE AL | 349.5 | LIC | BDTV | -0043 |
| 09 | WPGX | PANAMA CITY FL | 366.6 | LIC | BDTV | -0354 |
| 09 | WNTV | GREENVILLE SC | 396.8 | LIC | BDTV | -1403 |
| 09 | WTVC | CHATTANOOGA TN | 200.1 | LIC | BDTV | -1443 |
| 10 | WBIQ | BIRMINGHAM AL | 38.5 | LIC | BDTV | -0021 |
| 10 | WDIQ | DOZIER AL | 228.1 | LIC | BDTV | -0029 |
| 10 | WXIA-TV | ATLANTA GA | 193.6 | LIC | BDTV | -0388 |
| 09 | WTVM | COLUMBUS GA | 209.0 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 3

Before Analysis

Results for: 9A AL ANNISTON BDTV 0019 LIC

HAAT 359.0 m, ATV ERP 15.6 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1569166 | 27913.0 |
| not affected by terrain losses | 1539188 | 26080.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 102035 | 1526.3 |
| lost to ATV IX only | 102035 | 1526.3 |
| lost to all IX | 102035 | 1526.3 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-------------------|------|------|-----|
| 9A AL MOBILE | BDTV | 0043 | LIC |
| 9A GA COLUMBUS | BDTV | 0406 | LIC |
| 9A TN CHATTANOOGA | BDTV | 1443 | LIC |
| 10A AL BIRMINGHAM | BDTV | 0021 | LIC |

After Analysis

Results for: 9A AL ANNISTON BDTV 0019 LIC

HAAT 359.0 m, ATV ERP 15.6 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1569166 | 27913.0 |
| not affected by terrain losses | 1539188 | 26080.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 102035 | 1526.3 |
| lost to ATV IX only | 102035 | 1526.3 |
| lost to all IX | 102035 | 1526.3 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-------------------|--------------|------|-----|
| 9A AL MOBILE | BDTV | 0043 | LIC |
| 9A TN CHATTANOOGA | BDTV | 1443 | LIC |
| 10A AL BIRMINGHAM | BDTV | 0021 | LIC |
| 9A GA COLUMBUS | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 4

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 09 | WALA-TV | MOBILE AL | BDTV -0043 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 08 | WVUE | NEW ORLEANS LA | 221.9 | LIC | BDTV -0691 |
| 09 | WJSU-TV | ANNISTON AL | 349.5 | LIC | BDTV -0019 |
| 09 | WPGX | PANAMA CITY FL | 219.2 | LIC | BDTV -0354 |
| 09 | WAFB | BATON ROUGE LA | 328.9 | LIC | BDTV -0673 |
| 10 | WDIQ | DOZIER AL | 164.8 | LIC | BDTV -0029 |
| 09 | WTVM | COLUMBUS GA | 338.9 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|----------|----------------|----------------------|
| 09 | 960920WR | GAINESVILLE FL | BDTV -0308 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-------------------|----------|--------|----------------------|
| 08 | WXGA-TV | WAYCROSS GA | 176.9 | LIC | BDTV -0429 |
| 09 | WINK-TV | FORT MYERS FL | 324.3 | LIC | BDTV -0300 |
| 09 | WPGX | PANAMA CITY FL | 297.3 | LIC | BDTV -0354 |
| 09 | WVANTV | SAVANNAH GA | 294.2 | LIC | BDTV -0422 |
| 10 | WJXX | ORANGE PARK FL | 121.5 | LIC | BDTV -0345 |
| 10 | WTSP | ST. PETERSBURG FL | 161.7 | LIC | BDTV -0363 |
| 10 | WALB | ALBANY GA | 225.8 | LIC | BDTV -0384 |
| 09 | WTVM | COLUMBUS GA | 365.8 | APP | USERRECORD-01 |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|----------------|----------------------|
| 09 | WPGX | PANAMA CITY FL | BDTV -0354 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|----------|----------------|----------|--------|----------------------|
| 08 | WACS-TV | DAWSON GA | 195.1 | LIC | BDTV -0413 |
| 09 | WJSU-TV | ANNISTON AL | 366.6 | LIC | BDTV -0019 |
| 09 | WALA-TV | MOBILE AL | 219.2 | LIC | BDTV -0043 |
| 09 | 960920WR | GAINESVILLE FL | 297.3 | LIC | BDTV -0308 |
| 09 | WVANTV | SAVANNAH GA | 419.8 | LIC | BDTV -0422 |
| 10 | WDIQ | DOZIER AL | 152.6 | LIC | BDTV -0029 |
| 10 | WALB | ALBANY GA | 190.4 | LIC | BDTV -0384 |
| 09 | WTVM | COLUMBUS GA | 226.0 | APP | USERRECORD-01 |

Total scenarios = 1

Result key: 3

Scenario 1 Affected station 6

Before Analysis

Results for: 9A FL PANAMA CITY BDTV 0354 LIC

HAAT 142.0 m, ATV ERP 2.3 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 247853 | 12847.6 |
| not affected by terrain losses | 244458 | 12719.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 5814 | 557.4 |
| lost to ATV IX only | 5814 | 557.4 |
| lost to all IX | 5814 | 557.4 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|----------------|------|------|-----|
| 9A AL MOBILE | BDTV | 0043 | LIC |
| 9A GA COLUMBUS | BDTV | 0406 | LIC |

After Analysis

Results for: 9A FL PANAMA CITY BDTV 0354 LIC
HAAT 142.0 m, ATV ERP 2.3 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 247853 | 12847.6 |
| not affected by terrain losses | 244458 | 12719.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 5814 | 557.4 |
| lost to ATV IX only | 5814 | 557.4 |
| lost to all IX | 5814 | 557.4 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|----------------|--------------|------|-----|
| 9A AL MOBILE | BDTV | 0043 | LIC |
| 9A GA COLUMBUS | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 7

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|--------|-------------|-------------|----------|
| 09 | WVANTV | SAVANNAH GA | BDTV | -0422 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|----------------|----------|--------|---------------|----------|
| 08 | WXGA-TV | WAYCROSS GA | 136.9 | LIC | BDTV | -0429 |
| 09 | 960920WR | GAINESVILLE FL | 294.2 | LIC | BDTV | -0308 |
| 09 | WPGX | PANAMA CITY FL | 419.8 | LIC | BDTV | -0354 |
| 09 | WHMC | CONWAY SC | 307.9 | LIC | BDTV | -1397 |
| 09 | WNTV | GREENVILLE SC | 319.2 | LIC | BDTV | -1403 |
| 10 | WJXX | ORANGE PARK FL | 208.3 | LIC | BDTV | -0345 |
| 09 | WTVM | COLUMBUS GA | 297.9 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 4

Scenario 1 Affected station 7

Before Analysis

Results for: 9A GA SAVANNAH BDTV 0422 LIC
HAAT 320.0 m, ATV ERP 15.2 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 763228 | 29421.6 |
| not affected by terrain losses | 761794 | 29227.7 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1910 | 262.6 |
| lost to ATV IX only | 1910 | 262.6 |
| lost to all IX | 1910 | 262.6 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|----------------|------|------|-----|
| 8A GA WAYCROSS | BDTV | 0429 | LIC |
|----------------|------|------|-----|

| | | | |
|-------------------|------|------|-----|
| 9A FL GAINESVILLE | BDTV | 0308 | LIC |
| 9A GA COLUMBUS | BDTV | 0406 | LIC |
| 9A SC CONWAY | BDTV | 1397 | LIC |
| 9A SC GREENVILLE | BDTV | 1403 | LIC |

After Analysis

Results for: 9A GA SAVANNAH BDTV 0422 LIC
HAAT 320.0 m, ATV ERP 15.2 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 763228 | 29421.6 |
| not affected by terrain losses | 761794 | 29227.7 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1910 | 262.6 |
| lost to ATV IX only | 1910 | 262.6 |
| lost to all IX | 1910 | 262.6 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-------------------|--------------|------|-----|
| 8A GA WAYCROSS | BDTV | 0429 | LIC |
| 9A FL GAINESVILLE | BDTV | 0308 | LIC |
| 9A SC CONWAY | BDTV | 1397 | LIC |
| 9A SC GREENVILLE | BDTV | 1403 | LIC |
| 9A GA COLUMBUS | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

Analysis of Interference to Affected Station 8

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|---------------|-------------|----------|
| 09 | WNTV | GREENVILLE SC | BDTV | -1403 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|----------|
| 08 | WGTV | ATHENS GA | 203.1 | LIC | BDTV | -0386 |
| 08 | WOLO-TV | COLUMBIA SC | 176.5 | LIC | BDTV | -1391 |
| 09 | WJSU-TV | ANNISTON AL | 396.8 | LIC | BDTV | -0019 |
| 09 | WVANTV | SAVANNAH GA | 319.2 | LIC | BDTV | -0422 |
| 09 | WHMC | CONWAY SC | 322.1 | LIC | BDTV | -1397 |
| 09 | WTVC | CHATTANOOGA TN | 265.6 | LIC | BDTV | -1443 |
| 10 | WXIA-TV | ATLANTA GA | 220.1 | LIC | BDTV | -0388 |
| 10 | WIS | COLUMBIA SC | 176.6 | LIC | BDTV | -1392 |
| 10 | WBIR-TV | KNOXVILLE TN | 182.2 | LIC | BDTV | -1460 |
| 09 | WTVM | COLUMBUS GA | 364.3 | APP | USERRECORD-01 | |

Proposal causes no interference

Analysis of Interference to Affected Station 9

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|----------------|-------------|----------|
| 09 | WTVC | CHATTANOOGA TN | BDTV | -1443 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------|----------|--------|---------------|----------|
| 08 | WGTV | ATHENS GA | 185.1 | LIC | BDTV | -0386 |
| 08 | WNPT | NASHVILLE TN | 168.5 | LIC | BDTV | -1478 |
| 09 | WJSU-TV | ANNISTON AL | 200.1 | LIC | BDTV | -0019 |
| 09 | WNIN | EVANSVILLE IN | 366.8 | LIC | BDTV | -0569 |
| 09 | WNTV | GREENVILLE SC | 265.6 | LIC | BDTV | -1403 |
| 10 | WXIA-TV | ATLANTA GA | 180.4 | LIC | BDTV | -0388 |
| 10 | WBIR-TV | KNOXVILLE TN | 155.6 | LIC | BDTV | -1460 |
| 10 | WSMV-TV | NASHVILLE TN | 177.2 | LIC | BDTV | -1479 |
| 09 | WTVM | COLUMBUS GA | 319.3 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 5
 Scenario 1 Affected station 9
 Before Analysis

Results for: 9A TN CHATTANOOGA BDTV 1443 LIC
 HAAT 317.0 m, ATV ERP 10.7 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1248488 | 27633.5 |
| not affected by terrain losses | 1070239 | 22644.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 47427 | 1182.1 |
| lost to ATV IX only | 47427 | 1182.1 |
| lost to all IX | 47427 | 1182.1 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------|------|------|-----|
| 9A AL ANNISTON | BDTV | 0019 | LIC |
| 9A GA COLUMBUS | BDTV | 0406 | LIC |
| 9A SC GREENVILLE | BDTV | 1403 | LIC |
| 10A TN KNOXVILLE | BDTV | 1460 | LIC |

After Analysis

Results for: 9A TN CHATTANOOGA BDTV 1443 LIC
 HAAT 317.0 m, ATV ERP 10.7 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1248488 | 27633.5 |
| not affected by terrain losses | 1070239 | 22644.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 47427 | 1182.1 |
| lost to ATV IX only | 47427 | 1182.1 |
| lost to all IX | 47427 | 1182.1 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------|--------------|------|-----|
| 9A AL ANNISTON | BDTV | 0019 | LIC |
| 9A SC GREENVILLE | BDTV | 1403 | LIC |
| 10A TN KNOXVILLE | BDTV | 1460 | LIC |
| 9A GA COLUMBUS | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

 Analysis of Interference to Affected Station 10

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
| 10 | WDIQ | DOZIER AL | BDTV | -0029 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------------|----------|--------|---------------|----------|
| 09 | WJSU-TV | ANNISTON AL | 228.1 | LIC | BDTV | -0019 |
| 09 | WALA-TV | MOBILE AL | 164.8 | LIC | BDTV | -0043 |
| 09 | WPGX | PANAMA CITY FL | 152.6 | LIC | BDTV | -0354 |
| 10 | WBIQ | BIRMINGHAM AL | 218.0 | LIC | BDTV | -0021 |
| 10 | WALB | ALBANY GA | 241.2 | LIC | BDTV | -0384 |
| 10 | WXIA-TV | ATLANTA GA | 311.6 | LIC | BDTV | -0388 |
| 10 | WMAB-TV | MISSISSIPPI STATE MS | 326.9 | LIC | BDTV | -0909 |
| 09 | WTVM | COLUMBUS GA | 174.5 | APP | USERRECORD-01 | |

Proposal causes no interference

 Analysis of Interference to Affected Station 11

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|----------|
| 10 | WALB | ALBANY GA | BDTV | -0384 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|-------------------|----------|--------|---------------|----------|
| 09 | 960920WR | GAINESVILLE FL | 225.8 | LIC | BDTV | -0308 |
| 09 | WPGX | PANAMA CITY FL | 190.4 | LIC | BDTV | -0354 |
| 10 | WBIQ | BIRMINGHAM AL | 365.5 | LIC | BDTV | -0021 |
| 10 | WDIQ | DOZIER AL | 241.2 | LIC | BDTV | -0029 |
| 10 | WJXX | ORANGE PARK FL | 249.8 | LIC | BDTV | -0345 |
| 10 | WTSP | ST. PETERSBURG FL | 365.5 | LIC | BDTV | -0363 |
| 10 | WXIA-TV | ATLANTA GA | 273.2 | LIC | BDTV | -0388 |
| 10 | WIS | COLUMBIA SC | 425.1 | LIC | BDTV | -1392 |
| 09 | WTVM | COLUMBUS GA | 140.3 | APP | USERRECORD-01 | |

Proposal causes no interference

Analysis of Interference to Affected Station 12

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|----------|
| 10 | WXIA-TV | ATLANTA GA | BDTV | -0388 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|----------|
| 09 | WJSU-TV | ANNISTON AL | 193.6 | LIC | BDTV | -0019 |
| 09 | WNTV | GREENVILLE SC | 220.1 | LIC | BDTV | -1403 |
| 09 | WTVC | CHATTANOOGA TN | 180.4 | LIC | BDTV | -1443 |
| 10 | WBIQ | BIRMINGHAM AL | 231.1 | LIC | BDTV | -0021 |
| 10 | WDIQ | DOZIER AL | 311.6 | LIC | BDTV | -0029 |
| 10 | WALB | ALBANY GA | 273.2 | LIC | BDTV | -0384 |
| 10 | WIS | COLUMBIA SC | 332.2 | LIC | BDTV | -1392 |
| 10 | WBIR-TV | KNOXVILLE TN | 252.3 | LIC | BDTV | -1460 |
| 10 | WSMV-TV | NASHVILLE TN | 351.4 | LIC | BDTV | -1479 |
| 09 | WTVM | COLUMBUS GA | 164.7 | APP | USERRECORD-01 | |

Proposal causes no interference

Analysis of Interference to Affected Station 13

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|-------------|---------------|----------|
| 09 | WTVM | COLUMBUS GA | USERRECORD-01 | |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|----------------|----------|--------|-------------|----------|
| 08 | WGTW | ATHENS GA | 175.0 | LIC | BDTV | -0386 |
| 08 | WACS-TV | DAWSON GA | 47.9 | LIC | BDTV | -0413 |
| 09 | WJSU-TV | ANNISTON AL | 209.0 | LIC | BDTV | -0019 |
| 09 | WALA-TV | MOBILE AL | 338.9 | LIC | BDTV | -0043 |
| 09 | 960920WR | GAINESVILLE FL | 365.8 | LIC | BDTV | -0308 |
| 09 | WPGX | PANAMA CITY FL | 226.0 | LIC | BDTV | -0354 |
| 09 | WVANTV | SAVANNAH GA | 297.9 | LIC | BDTV | -0422 |
| 09 | WNTV | GREENVILLE SC | 364.3 | LIC | BDTV | -1403 |
| 09 | WTVC | CHATTANOOGA TN | 319.3 | LIC | BDTV | -1443 |
| 10 | WDIQ | DOZIER AL | 174.5 | LIC | BDTV | -0029 |
| 10 | WALB | ALBANY GA | 140.3 | LIC | BDTV | -0384 |
| 10 | WXIA-TV | ATLANTA GA | 164.7 | LIC | BDTV | -0388 |

Total scenarios = 1

Result key: 6

Scenario 1 Affected station 13
Before Analysis

Results for: 9A GA COLUMBUS USERRECORD01 APP
HAAT 507.0 m, ATV ERP 1.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 691610 | 24629.0 |
| not affected by terrain losses | 678157 | 24153.3 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 25726 | 1153.0 |
| lost to ATV IX only | 25726 | 1153.0 |
| lost to all IX | 25726 | 1153.0 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-------------------|------|------|-----|
| 8A GA DAWSON | BDTV | 0413 | LIC |
| 9A AL ANNISTON | BDTV | 0019 | LIC |
| 9A AL MOBILE | BDTV | 0043 | LIC |
| 9A FL PANAMA CITY | BDTV | 0354 | LIC |
| 9A GA SAVANNAH | BDTV | 0422 | LIC |
| 9A SC GREENVILLE | BDTV | 1403 | LIC |
| 9A TN CHATTANOOGA | BDTV | 1443 | LIC |

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED