

ENGINEERING STATEMENT

Request for Special Temporary Authorization Early Digital Transition prepared for

Gray Television Licensee, LLC
WCAV-DT Charlottesville, VA
Facility ID 363
Ch. 19 155 kW 326 m

Gray Television Licensee, LLC (“Gray”) is the licensee of television station WCAV(TV), analog Channel 19, Charlottesville, VA. WCAV was originally authorized after April 3, 1997 and therefore does not have a companion digital channel. This statement supports *Gray’s* request for Special Temporary Authority (“STA”) for an early transition to operate its post-transition digital facility during the pre-transition period. This statement certifies compliance with coverage and interference criteria as specified in the Report and Order in the Third Periodic Review¹ for an early transition.

A construction permit (“CP” BMPCDT-20080616AAY) authorizes WCAV to operate its post-transition digital facility on Channel 19, the current WCAV analog channel. The authorized post-transition digital operation is a “maximized” facility and involves an effective radiated power (“ERP”) of 155 kW at 326 meters antenna height above average terrain (“HAAT”), with the same directional antenna as licensed for analog operation. The proposed early transition STA facility will operate with the facilities as authorized in the CP (155 kW and 326 meters).

¹*Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television*, MB Docket No. 07-91, FCC 07-228, released December 31, 2007.

A contour comparison map is supplied as **Figure 1**, showing that coverage area associated with the currently licensed analog Channel 19 will be completely encompassed by the proposed digital Channel 19 operation. Population counts for the analog and digital WCAV facilities are summarized below as determined using OET Bulletin 69² analysis. During the pre-transition period, the proposed early transition STA facility will provide a service population exceeding that of the currently licensed analog facility.

Population Summary

| WCAV TV/DT Facility | Interference-Free Population (2000 Census) |
|---|---|
| Licensed Analog Ch. 19 (BLCT-20040813AAJ) | 320,088 |
| Pre-Transition Digital (none) | n/a |
| Proposed STA Digital Ch. 19 | 549,054 |

A detailed interference study per OET Bulletin 69 shows that the proposal complies with the Commission's 2% / 10% *de minimis* interference limits for operation during the transition, as demonstrated in **Table 1**. Thus, existing viewers will be served and impermissible interference will not be caused.

The proposed STA operation complies with the FCC's limits concerning human exposure to RF energy, as described in the application underlying BMPCDT-20080616AAY.

²FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.

A handwritten signature in blue ink, appearing to read "Joseph M. Davis".

Joseph M. Davis, P.E.
February 19, 2009

Chesapeake RF Consultants, LLC
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Manassas, VA 20112
703-650-9600

List of Attachments

| | |
|----------|---|
| Figure 1 | STA Coverage Contour Comparison |
| Table 1 | Pre-Transition OET Bulletin 69 Interference Study |

Figure 1
Coverage Contour Comparison
STA for Early Transition
WCAV-DT Charlottesville, VA
Facility ID 363
Ch. 19 155 kW 326 m

prepared for
Gray Television Licensee, LLC

February, 2009

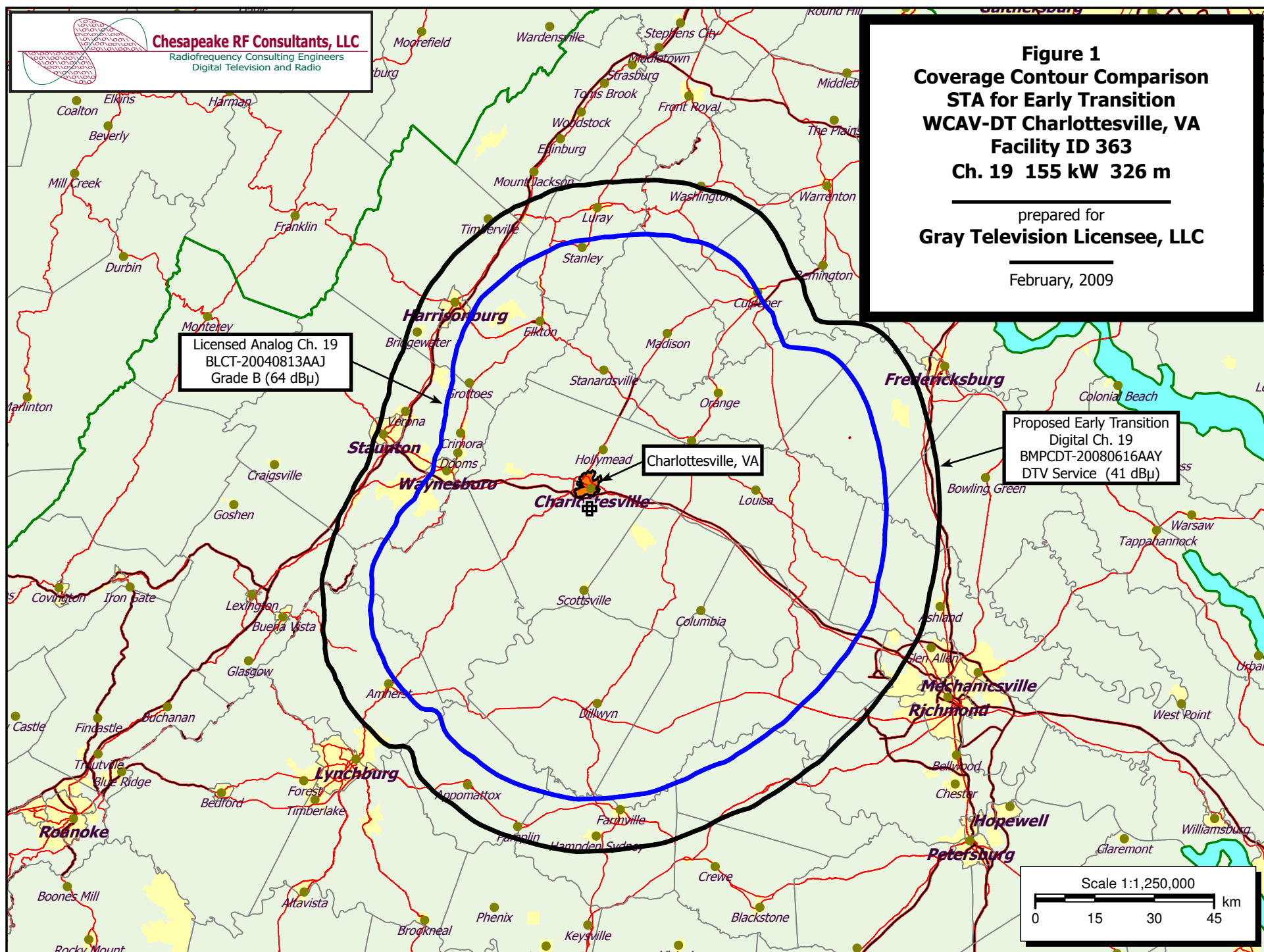


Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 29)

Census data selected 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-19-2009 Time: 17:23:15

Record Selected for Analysis

WCAV-DT USERRECORD-01 CHARLOTTESVILLE VA US
Channel 19 ERP 155. kW HAAT 326. m RCAMSL 00494 m
Latitude 037-59-03 Longitude 0078-28-52
Status APP Zone 1 Border
Dir Antenna Make CDB Model 00000000087040 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

| Azimuth (Deg) | ERP (kW) | HAAT (m) | 41.0 dBu F(50,90) (km) |
|------------------|-------------|-------------|---------------------------|
| 0.0 | 69.996 | 356.0 | 81.6 |
| 45.0 | 148.710 | 258.8 | 77.0 |
| 90.0 | 137.541 | 378.3 | 88.2 |
| 135.0 | 137.687 | 352.7 | 86.0 |
| 180.0 | 150.996 | 347.9 | 86.2 |
| 225.0 | 73.368 | 318.9 | 78.3 |
| 270.0 | 6.514 | 272.0 | 61.6 |
| 315.0 | 5.924 | 323.9 | 64.1 |

Evaluation toward Class A Stations

Station inside contour of Class A station
WAHU-CA 27 CHARLOTTESVILLE VA BLTTA 20050124AGC

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 29)

Start of Interference Analysis

| Channel | Proposed Station Call | City/State | ARN |
|---------|--------------------------|--------------------|--------------|
| 19 | WCAV-DT | CHARLOTTESVILLE VA | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|-------------|--------------|
| 17 | WXOB-LP | RICHMOND VA | 94.2 | CP | BPTTA | -20030818AAO |
| 17 | WXOB-LP | RICHMOND VA | 94.2 | LIC | BLTTA | -20020809AAN |
| 18 | WDBJ-DT | ROANOKE VA | 171.6 | PLN | DTVPLN | -DTVPO331 |
| 19 | WUNM-TV | JACKSONVILLE NC | 336.0 | LIC | BLET | -20020607AAA |
| 19 | WBFX-DT | LEXINGTON NC | 253.8 | PLN | DTVPLN | -DTVPO361 |
| 19 | WCWG | LEXINGTON NC | 263.8 | LIC | BLCDT | -20070418ACV |
| 19 | WL9CI | BERWICK PA | 388.0 | LIC | BLTTL | -20001206AAX |
| 19 | WPCW | JEANNETTE PA | 250.5 | LIC | BLCT | -20030512ABA |
| 19 | WKPT-TV | KINGSPORT TN | 366.8 | APP | BSTA | -20090209AMO |
| 19 | WKPT-TV | KINGSPORT TN | 366.8 | LIC | BLCT | -1933 |
| 19 | WGNT-DT | PORTSMOUTH VA | 220.7 | PLN | DTVPLN | -DTVPO376 |
| 19 | WYSJ-CA | YORKTOWN VA | 205.7 | LIC | BLTTA | -20070418AAU |
| 19 | WVAH-TV | CHARLESTON WV | 302.6 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 304.6 | PLN | DTVPLN | -DTVPO382 |
| 20 | WDCA | WASHINGTON DC | 162.7 | CP | BMXPCT | -20060519ACH |
| 20 | WDCA | WASHINGTON DC | 161.8 | LIC | BLCT | -2091 |
| 20 | WJPR-DT | LYNCHBURG VA | 125.4 | PLN | DTVPLN | -DTVPO422 |
| 20 | WWCW | LYNCHBURG VA | 125.3 | CP MOD | BMPCDT | -20080619AJT |
| 21 | WWCW | LYNCHBURG VA | 125.4 | LIC | BLCT | -19930513KE |
| 23 | WCVE-TV | RICHMOND VA | 93.4 | LIC | BLET | -20030520AKD |
| 27 | WAHU-CA | CHARLOTTESVILLE VA | 0.3 | LIC | BLTTA | -20050124AGC |

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-------------|-------------|--------------|
| 17 | WXOB-LP | RICHMOND VA | BPTTA | -20030818AAO |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|--------------------|----------|--------|-------------|--------------|
| 14 | WHTJ-DT | CHARLOTTESVILLE VA | 94.3 | PLN | DTVPLN | -DTVPO152 |
| 15 | WHRO-TV | HAMPTON-NORFOLK VA | 126.7 | LIC | BLET | -19980608KE |
| 16 | WHRO-TV | HAMPTON-NORFOLK VA | 126.7 | LIC | BLEDT | -20020604AAB |
| 16 | WHRO-DT | HAMPTON-NORFOLK VA | 126.7 | PLN | DTVPLN | -DTVPO245 |
| 17 | WNCN | GOLDSBORO NC | 233.7 | LIC | BLCT | -20001023ADX |
| 17 | WPHL-TV | PHILADELPHIA PA | 334.0 | LIC | BLCT | -2611 |
| 17 | WFXR-DT | ROANOKE VA | 237.6 | PLN | DTVPLN | -DTVPO285 |
| 17 | WFXR-TV | ROANOKE VA | 237.6 | CP | BPCDT | -20080619AJU |
| 17 | WL7AL | MATHIAS, ETC. WV | 180.5 | LIC | BLTT | -19871117IB |
| 19 | WCAV | CHARLOTTESVILLE VA | 94.2 | LIC | BLCT | -20040813AAJ |
| 19 | WGNT-DT | PORTSMOUTH VA | 128.9 | PLN | DTVPLN | -DTVPO376 |
| 21 | 960724LE | VIRGINIA BEACH VA | 126.7 | APP | BPCT | -19960724LE |
| 21 | 961001XL | VIRGINIA BEACH VA | 125.2 | APP | BPCT | -19961001XL |
| 21 | 961001XY | VIRGINIA BEACH VA | 140.3 | APP | BPCT | -19961001XY |
| 21 | 960404LP | VIRGINIA BEACH VA | 143.7 | APP | BPCT | -19960404LP |
| 21 | WHRE | VIRGINIA BEACH VA | 126.7 | LIC | BLCT | -20060329AGW |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 29)

| | | | | | | |
|----|---------|--------------------|-------|--------|---------------|--------------|
| 24 | WNVC | FAIRFAX VA | 142.4 | CP MOD | BMPEDT | -20080609ACI |
| 24 | WCVE-DT | RICHMOND VA | 13.6 | PLN | DTVPLN | -DTVP0588 |
| 25 | WTVR-TV | RICHMOND VA | 13.6 | LIC | BLCDT | -20021204ABA |
| 25 | WTVR-DT | RICHMOND VA | 6.3 | PLN | DTVPLN | -DTVP0622 |
| 31 | WAVY-DT | PORTSMOUTH VA | 125.2 | PLN | DTVPLN | -DTVP0846 |
| 32 | WVIR-TV | CHARLOTTESVILLE VA | 94.2 | LIC | BLCDT | -20040908AAE |
| 32 | WVIR-DT | CHARLOTTESVILLE VA | 94.2 | PLN | DTVPLN | -DTVP0885 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 94.2 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-------------|-------------|--------------|
| 17 | WXOB-LP | RICHMOND VA | BLTTA | -20020809AAN |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 14 | WHTJ-DT | CHARLOTTESVILLE VA | 94.3 | PLN | DTVPLN | -DTVP0152 |
| 16 | WHRO-TV | HAMPTON-NORFOLK VA | 126.7 | LIC | BLEDT | -20020604AAB |
| 16 | WHRO-DT | HAMPTON-NORFOLK VA | 126.7 | PLN | DTVPLN | -DTVP0245 |
| 17 | WNCN | GOLDSBORO NC | 233.7 | LIC | BLCT | -20001023ADX |
| 17 | WPHL-TV | PHILADELPHIA PA | 334.0 | LIC | BLCT | -2611 |
| 17 | WFXR-DT | ROANOKE VA | 237.6 | PLN | DTVPLN | -DTVP0285 |
| 17 | WFXR-TV | ROANOKE VA | 237.6 | CP | BPCDT | -20080619AJU |
| 17 | W17AL | MATHIAS, ETC. WV | 180.5 | LIC | BLTT | -19871117IB |
| 19 | WGNT-DT | PORTSMOUTH VA | 128.9 | PLN | DTVPLN | -DTVP0376 |
| 24 | WNVC | FAIRFAX VA | 142.4 | CP MOD | BMPEDT | -20080609ACI |
| 24 | WCVE-DT | RICHMOND VA | 13.6 | PLN | DTVPLN | -DTVP0588 |
| 25 | WTVR-TV | RICHMOND VA | 13.6 | LIC | BLCDT | -20021204ABA |
| 25 | WTVR-DT | RICHMOND VA | 6.3 | PLN | DTVPLN | -DTVP0622 |
| 31 | WAVY-DT | PORTSMOUTH VA | 125.2 | PLN | DTVPLN | -DTVP0846 |
| 32 | WVIR-TV | CHARLOTTESVILLE VA | 94.2 | LIC | BLCDT | -20040908AAE |
| 32 | WVIR-DT | CHARLOTTESVILLE VA | 94.2 | PLN | DTVPLN | -DTVP0885 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 94.2 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|-----------|
| 18 | WDBJ-DT | ROANOKE VA | DTVPLN | -DTVP0331 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------|----------|--------|-------------|-----------|
| 17 | WUNETV | LINVILLE NC | 196.1 | PLN | DTVPLN | -NPLN0993 |
| 17 | WFXR-DT | ROANOKE VA | 0.2 | PLN | DTVPLN | -DTVP0285 |
| 18 | WLEX-TV | LEXINGTON KY | 393.3 | PLN | DTVPLN | -NPLN1019 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 29)

| | | | | | | |
|----|---------|-----------------|-------|-----|--------|-----------|
| 18 | WCCB | CHARLOTTE NC | 220.6 | PLN | DTVPLN | -NPLN1024 |
| 18 | WHIZ-TV | ZANESVILLE OH | 342.9 | PLN | DTVPLN | -NPLN1028 |
| 18 | WNEH-DT | GREENWOOD SC | 362.3 | PLN | DTVPLN | -DTVP0322 |
| 18 | WFXB-DT | MYRTLE BEACH SC | 345.5 | PLN | DTVPLN | -DTVP0323 |
| 19 | WBFX-DT | LEXINGTON NC | 139.4 | PLN | DTVPLN | -DTVP0361 |
| 19 | WKPT-TV | KINGSPORT TN | 195.7 | PLN | DTVPLN | -NPLN1058 |
| 19 | WVAH-DT | CHARLESTON WV | 206.6 | PLN | DTVPLN | -DTVP0382 |

Results for: 18A VA ROANOKE DTVPLN DTVP0331 PLN

| HAAT | 610.0 m, ATV ERP | 605.0 kW | POPULATION | AREA (sq km) |
|--------------------------------|------------------|----------|------------|--------------|
| within Noise Limited Contour | | | 1429251 | 44584.2 |
| not affected by terrain losses | | | 1255716 | 38531.0 |
| lost to NTSC IX | | | 18192 | 830.5 |
| lost to additional IX by ATV | | | 287 | 20.0 |
| lost to ATV IX only | | | 722 | 47.9 |
| lost to all IX | | | 18479 | 850.5 |

NTSC Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|-----------|
| 07 | WDBJ | ROANOKE VA | DTVPLN | -NPLN0509 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|-------------|-----------|
| 07 | WJLATV | WASHINGTON DC | 332.4 | PLN | DTVPLN | -NPLN0464 |
| 07 | WLJC-DT | BEATTYVILLE KY | 315.2 | PLN | DTVPLN | -DTVP0032 |
| 07 | WITNTV | WASHINGTON NC | 320.3 | PLN | DTVPLN | -NPLN0484 |
| 07 | WSPATV | SPARTANBURG SC | 295.5 | PLN | DTVPLN | -NPLN0500 |
| 07 | WTRFTV | WHEELING WV | 322.8 | PLN | DTVPLN | -NPLN0513 |
| 08 | WGHTV | HIGH POINT NC | 156.1 | PLN | DTVPLN | -NPLN0547 |
| 08 | WCHSTV | CHARLESTON WV | 204.3 | PLN | DTVPLN | -NPLN0574 |

Results for: 7N VA ROANOKE DTVPLN NPLN0509 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1429073 | 44572.3 |
| not affected by terrain losses | 1210965 | 36798.2 |
| lost to NTSC IX | 79737 | 2870.9 |
| lost to additional IX by ATV | 0 | 4.0 |
| lost to all IX | 79737 | 2874.9 |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|-----------|
| 18 | WDBJ-DT | ROANOKE VA | DTVPLN | -DTVP0331 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 17 | WNCN | GOLDSBORO NC | 223.1 | LIC | BLCT | -20001023ADX |
| 17 | WUNE-TV | LINVILLE NC | 196.0 | LIC | BLET | -19950124KM |
| 17 | WFXR-DT | ROANOKE VA | 0.2 | PLN | DTVPLN | -DTVP0285 |
| 17 | WFXR-TV | ROANOKE VA | 0.2 | CP | BPCDT | -20080619AJU |
| 18 | WLEX-TV | LEXINGTON KY | 393.3 | LIC | BLCT | -19850221KF |
| 18 | WCCB | CHARLOTTE NC | 220.5 | LIC | BLCT | -791128LG |
| 18 | WUNM-TV | JACKSONVILLE NC | 343.5 | LIC | BLEDT | -20021105AAI |
| 18 | WUNMTV | JACKSONVILLE NC | 343.4 | LIC | BPRM | -20000417AAD |
| 18 | WHIZ-TV | ZANESVILLE OH | 342.9 | APP | BSTA | -20060616AAU |
| 18 | WHIZ-TV | ZANESVILLE OH | 342.9 | LIC | BLMCT | -20030715ACX |
| 18 | WNEH-DT | GREENWOOD SC | 362.3 | PLN | DTVPLN | -DTVP0322 |
| 18 | WFXB-DT | MYRTLE BEACH SC | 345.5 | PLN | DTVPLN | -DTVP0323 |
| 18 | WFXB | MYRTLE BEACH SC | 345.5 | LIC | BLCDT | -20070205ACJ |
| 19 | WBFX-DT | LEXINGTON NC | 139.4 | PLN | DTVPLN | -DTVP0361 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 29)

| | | | | | | |
|----|---------|--------------------|-------|--------|---------------|--------------|
| 19 | WCWG | LEXINGTON NC | 150.5 | LIC | BLCDT | -20070418ACV |
| 19 | WKPT-TV | KINGSPORT TN | 195.7 | APP | BSTA | -20090209AMO |
| 19 | WKPT-TV | KINGSPORT TN | 195.7 | LIC | BLCT | -1933 |
| 19 | WVAH-TV | CHARLESTON WV | 204.3 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 206.6 | PLN | DTVPLN | -DTVP0382 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 171.6 | APP | USERRECORD-01 | |

Total scenarios = 16

Result key: 11
Scenario 11 Affected station 3
Before Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN |
| HAAT 610.0 m, ATV ERP 605.0 kW | | | |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 1429251 | 44584.2 | |
| not affected by terrain losses | 1255716 | 38531.0 | |
| lost to NTSC IX | 21455 | 898.4 | |
| lost to additional IX by ATV | 14232 | 363.3 | |
| lost to ATV IX only | 19721 | 531.0 | |
| lost to all IX | 35687 | 1261.7 | |

Potential Interfering Stations Included in above Scenario 11

| | | | |
|---------------------|--------|-------------|-----|
| 18N KY LEXINGTON | BLCT | 19850221KF | LIC |
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC |
| 18N OH ZANESVILLE | BMLCT | 20030715ACX | LIC |
| 17A VA ROANOKE | BPCDT | 20080619AJU | CP |
| 18A SC GREENWOOD | DTVPLN | DTVP0322 | PLN |
| 18A SC MYRTLE BEACH | DTVPLN | DTVP0323 | PLN |
| 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP |

After Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN |
| HAAT 610.0 m, ATV ERP 605.0 kW | | | |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 1429251 | 44584.2 | |
| not affected by terrain losses | 1255716 | 38531.0 | |
| lost to NTSC IX | 21455 | 898.4 | |
| lost to additional IX by ATV | 14358 | 383.3 | |
| lost to ATV IX only | 19847 | 551.0 | |
| lost to all IX | 35813 | 1281.7 | |

Potential Interfering Stations Included in above Scenario 11

| | | | |
|------------------------|--------------|-------------|-----|
| 18N KY LEXINGTON | BLCT | 19850221KF | LIC |
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC |
| 18N OH ZANESVILLE | BMLCT | 20030715ACX | LIC |
| 17A VA ROANOKE | BPCDT | 20080619AJU | CP |
| 18A SC GREENWOOD | DTVPLN | DTVP0322 | PLN |
| 18A SC MYRTLE BEACH | DTVPLN | DTVP0323 | PLN |
| 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | APP | |

Percent new IX = 0.0102%

Worst case new IX 0.0102% Scenario 11

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 29)

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Analysis of Interference to Affected Station 4

| | | | |
|------------------------|-------------|----------------------------|---------------------------------------|
| NTSC Baseline Analysis | | | |
| Channel 19 | Call WUNMTV | City/State JACKSONVILLE NC | Application Ref. No. DTVPLN -NPLN1050 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-----------------|----------|--------|----------------------|
| 15 | WRMY-DT | ROCKY MOUNT NC | 135.1 | PLN | DTVPLN -DTVP0177 |
| 17 | WNCN | GOLDSBORO NC | 117.9 | PLN | DTVPLN -NPLN0992 |
| 18 | WFXX-DT | MYRTLE BEACH SC | 197.1 | PLN | DTVPLN -DTVP0323 |
| 19 | WBFX-DT | LEXINGTON NC | 244.6 | PLN | DTVPLN -DTVP0361 |
| 19 | WLTX | COLUMBIA SC | 332.9 | PLN | DTVPLN -NPLN1057 |
| 19 | WGNT-DT | PORTSMOUTH VA | 205.4 | PLN | DTVPLN -DTVP0376 |
| 20 | WUND-DT | COLUMBIA NC | 125.8 | PLN | DTVPLN -DTVP0407 |
| 20 | WWMB-DT | FLORENCE SC | 199.8 | PLN | DTVPLN -DTVP0416 |
| 21 | WYDO-DT | GREENVILLE NC | 38.0 | PLN | DTVPLN -DTVP0446 |
| 23 | WUNK-DT | GREENVILLE NC | 54.9 | PLN | DTVPLN -DTVP0530 |
| 26 | WSFX-TV | WILMINGTON NC | 133.3 | PLN | DTVPLN -NPLN1282 |
| 27 | WRDC-DT | DURHAM NC | 125.8 | PLN | DTVPLN -DTVP0677 |
| 33 | WTVZ | NORFOLK VA | 203.7 | PLN | DTVPLN -NPLN1460 |
| 34 | WFXX-DT | JACKSONVILLE NC | 69.3 | PLN | DTVPLN -DTVP0944 |

| | | | |
|----------------------------------|------------|--------------|-----|
| Results for: 19N NC JACKSONVILLE | DTVPLN | NPLN1050 | PLN |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 727671 | 25213.8 | |
| not affected by terrain losses | 727671 | 25213.8 | |
| lost to NTSC IX | 437 | 32.1 | |
| lost to additional IX by ATV | 94 | 16.0 | |
| lost to all IX | 531 | 48.1 | |

| | | | |
|----------------------------|--------------|----------------------------|--|
| Analysis of current record | | | |
| Channel 19 | Call WUNM-TV | City/State JACKSONVILLE NC | Application Ref. No. BLET -20020607AAA |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 15 | WRPX | ROCKY MOUNT NC | 135.3 | LIC | BLCDT -20020510AAF |
| 15 | WRMY-DT | ROCKY MOUNT NC | 135.3 | PLN | DTVPLN -DTVP0177 |
| 17 | WNCN | GOLDSBORO NC | 125.2 | LIC | BLCT -20001023ADX |
| 18 | WUNM-TV | JACKSONVILLE NC | 0.0 | LIC | BLEDT -20021105AAI |
| 18 | WUNMTV | JACKSONVILLE NC | 0.1 | LIC | BPRM -20000417AAD |
| 18 | WFXX-DT | MYRTLE BEACH SC | 197.1 | PLN | DTVPLN -DTVP0323 |
| 18 | WFXX | MYRTLE BEACH SC | 197.1 | LIC | BLCDT -20070205ACJ |
| 19 | WBFX-DT | LEXINGTON NC | 244.7 | PLN | DTVPLN -DTVP0361 |
| 19 | WCWG | LEXINGTON NC | 240.5 | LIC | BLCDT -20070418ACV |
| 19 | WLTX | COLUMBIA SC | 332.9 | LIC | BLCT -19850719KF |
| 19 | WCAV | CHARLOTTESVILLE VA | 336.0 | LIC | BLCT -20040813AAJ |
| 19 | WGNT-DT | PORTSMOUTH VA | 205.4 | PLN | DTVPLN -DTVP0376 |
| 20 | WUND-DT | COLUMBIA NC | 125.8 | PLN | DTVPLN -DTVP0407 |
| 20 | WUND-TV | EDENTON NC | 125.9 | LIC | BLEDT -20070307ABK |
| 20 | WWMB | FLORENCE SC | 199.8 | LIC | BLCDT -20030122AAT |
| 20 | WWMB-DT | FLORENCE SC | 199.8 | PLN | DTVPLN -DTVP0416 |
| 21 | WYDO-DT | GREENVILLE NC | 38.1 | PLN | DTVPLN -DTVP0446 |
| 23 | WUNK-DT | GREENVILLE NC | 55.1 | PLN | DTVPLN -DTVP0530 |
| 23 | WUNK-TV | GREENVILLE NC | 55.4 | LIC | BLEDT -20021007ABG |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 29)

| | | | | | | |
|----|----------|--------------------|-------|-----|---------------|--------------|
| 26 | WSFX-TV | WILMINGTON NC | 133.3 | LIC | BMLCT | -20050204ACI |
| 27 | WRDC-DT | DURHAM NC | 125.9 | PLN | DTVPLN | -DTVP0677 |
| 33 | WTVZ-TV | NORFOLK VA | 203.7 | LIC | BLCT | -20030415ACC |
| 34 | WPXU-TV | JACKSONVILLE NC | 65.8 | LIC | BLCDT | -20021029AAD |
| 34 | WFXZ-DT | JACKSONVILLE NC | 69.2 | PLN | DTVPLN | -DTVP0944 |
| 34 | 960628KM | RALEIGH NC | 125.9 | APP | BPET | -19960628KM |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 336.0 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

DTV Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|--------------|----------------------|
| 19 | WBFX-DT | LEXINGTON NC | DTVPLN -DTVP0361 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-----------------|----------|--------|----------------------|
| 18 | WCCB | CHARLOTTE NC | 113.5 | PLN | DTVPLN -NPLN1024 |
| 18 | WFXB-DT | MYRTLE BEACH SC | 206.3 | PLN | DTVPLN -DTVP0323 |
| 18 | WDBJ-DT | ROANOKE VA | 139.4 | PLN | DTVPLN -DTVP0331 |
| 19 | WUNMTV | JACKSONVILLE NC | 244.6 | PLN | DTVPLN -NPLN1050 |
| 19 | WLTX | COLUMBIA SC | 225.0 | PLN | DTVPLN -NPLN1057 |
| 19 | WKPT-TV | KINGSFORT TN | 213.7 | PLN | DTVPLN -NPLN1058 |
| 19 | WGNT-DT | PORTSMOUTH VA | 315.0 | PLN | DTVPLN -DTVP0376 |
| 19 | WVAH-DT | CHARLESTON WV | 329.8 | PLN | DTVPLN -DTVP0382 |
| 20 | WBFX | LEXINGTON NC | 0.0 | PLN | DTVPLN -NPLN1085 |
| 20 | WWMB-DT | FLORENCE SC | 183.9 | PLN | DTVPLN -DTVP0416 |
| 20 | WJPR-DT | LYNCHBURG VA | 151.2 | PLN | DTVPLN -DTVP0422 |

Results for: 19A NC LEXINGTON DTVPLN DTVP0361 PLN
HAAT 297.0 m, ATV ERP 84.5 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1447221 | 17827.5 |
| not affected by terrain losses | 1442521 | 17626.8 |
| lost to NTSC IX | 14643 | 216.7 |
| lost to additional IX by ATV | 3178 | 64.2 |
| lost to ATV IX only | 4639 | 88.3 |
| lost to all IX | 17821 | 280.9 |

NTSC Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|------|--------------|----------------------|
| 20 | WBFX | LEXINGTON NC | DTVPLN -NPLN1085 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------|----------|--------|----------------------|
| 17 | WNCN | GOLDSBORO NC | 127.6 | PLN | DTVPLN -NPLN0992 |
| 17 | WFXR-DT | ROANOKE VA | 139.5 | PLN | DTVPLN -DTVP0285 |
| 18 | WCCB | CHARLOTTE NC | 113.5 | PLN | DTVPLN -NPLN1024 |
| 18 | WDBJ-DT | ROANOKE VA | 139.4 | PLN | DTVPLN -DTVP0331 |
| 19 | WBFX-DT | LEXINGTON NC | 0.0 | PLN | DTVPLN -DTVP0361 |
| 20 | WCESTV | WRENS GA | 376.0 | PLN | DTVPLN -NPLN1074 |
| 20 | WUND-DT | COLUMBIA NC | 313.0 | PLN | DTVPLN -DTVP0407 |
| 20 | WWMB-DT | FLORENCE SC | 183.9 | PLN | DTVPLN -DTVP0416 |
| 20 | WINT | CROSSVILLE TN | 405.9 | PLN | DTVPLN -NPLN1090 |
| 20 | WJPR-DT | LYNCHBURG VA | 151.2 | PLN | DTVPLN -DTVP0422 |
| 21 | WWMB | FLORENCE SC | 183.9 | PLN | DTVPLN -NPLN1125 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 29)

| | | | | | | |
|----|---------|---------------|-------|-----|--------|-----------|
| 21 | WJPR | LYNCHBURG VA | 151.2 | PLN | DTVPLN | -NPLN1129 |
| 22 | WCNC-DT | CHARLOTTE NC | 139.9 | PLN | DTVPLN | -DTVP0492 |
| 22 | WLFL | RALEIGH NC | 95.1 | PLN | DTVPLN | -NPLN1148 |
| 23 | WBTV-DT | CHARLOTTE NC | 140.2 | PLN | DTVPLN | -DTVP0529 |
| 24 | WTVI-DT | CHARLOTTE NC | 109.3 | PLN | DTVPLN | -DTVP0574 |
| 24 | WDR-TV | DANVILLE VA | 67.9 | PLN | DTVPLN | -NPLN1230 |
| 27 | WCCB-DT | CHARLOTTE NC | 113.5 | PLN | DTVPLN | -DTVP0676 |
| 27 | WRDC-DT | DURHAM NC | 120.6 | PLN | DTVPLN | -DTVP0677 |
| 27 | WFXRTV | ROANOKE VA | 139.5 | PLN | DTVPLN | -NPLN1320 |
| 28 | WRDC | DURHAM NC | 120.6 | PLN | DTVPLN | -NPLN1335 |
| 34 | WSOC-DT | CHARLOTTE NC | 113.3 | PLN | DTVPLN | -DTVP0943 |
| 35 | WGHP-DT | HIGH POINT NC | 17.4 | PLN | DTVPLN | -DTVP0984 |
| 35 | WRLKTV | COLUMBIA SC | 229.2 | PLN | DTVPLN | -NPLN1507 |

Results for: 20N NC LEXINGTON DTVPLN NPLN1085 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1446719 | 17823.4 |
| not affected by terrain losses | 1431589 | 17490.4 |
| lost to NTSC IX | 66538 | 581.8 |
| lost to additional IX by ATV | 34429 | 854.7 |
| lost to all IX | 100967 | 1436.5 |

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|--------------|----------------------|
| 19 | WBFX-DT | LEXINGTON NC | DTVPLN -DTVP0361 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 18 | WCCB | CHARLOTTE NC | 113.4 | LIC | BLCT -791128LG |
| 18 | WFXB-DT | MYRTLE BEACH SC | 206.3 | PLN | DTVPLN -DTVP0323 |
| 18 | WFXB | MYRTLE BEACH SC | 206.3 | LIC | BLCDT -20070205ACJ |
| 18 | WDBJ-DT | ROANOKE VA | 139.4 | PLN | DTVPLN -DTVP0331 |
| 19 | WUNM-TV | JACKSONVILLE NC | 244.7 | LIC | BLET -20020607AAA |
| 19 | WLTX | COLUMBIA SC | 225.0 | LIC | BLCT -19850719KF |
| 19 | WKPT-TV | KINGSFORT TN | 213.7 | APP | BSTA -20090209AMO |
| 19 | WKPT-TV | KINGSFORT TN | 213.7 | LIC | BLCT -1933 |
| 19 | WGNT-DT | PORTSMOUTH VA | 315.0 | PLN | DTVPLN -DTVP0376 |
| 19 | WVAH-TV | CHARLESTON WV | 327.6 | CP MOD | BMPCDT -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 329.8 | PLN | DTVPLN -DTVP0382 |
| 20 | WCWG | LEXINGTON NC | 11.3 | LIC | BLCT -20010503AAW |
| 20 | WWMB | FLORENCE SC | 183.9 | LIC | BLCDT -20030122AAT |
| 20 | WWMB-DT | FLORENCE SC | 183.9 | PLN | DTVPLN -DTVP0416 |
| 20 | WJPR-DT | LYNCHBURG VA | 151.2 | PLN | DTVPLN -DTVP0422 |
| 20 | WWCW | LYNCHBURG VA | 151.2 | CP MOD | BMPCDT -20080619AJT |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 253.8 | APP | USERRECORD-01 |

Total scenarios = 1

Result key: 17
Scenario 1 Affected station 5
Before Analysis

Results for: 19A NC LEXINGTON DTVPLN DTVP0361 PLN
HAAT 297.0 m, ATV ERP 84.5 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1447221 | 17827.5 |
| not affected by terrain losses | 1442521 | 17626.8 |
| lost to NTSC IX | 30607 | 373.2 |
| lost to additional IX by ATV | 3155 | 60.2 |
| lost to ATV IX only | 4763 | 92.3 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 29)

| | | | | |
|---|--------|-------------|-------|---|
| lost to all IX | | 33762 | 433.3 | |
| Potential Interfering Stations Included in above Scenario | | | | 1 |
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC | |
| 19N NC JACKSONVILLE | BLET | 20020607AAA | LIC | |
| 19N SC COLUMBIA | BLCT | 19850719KF | LIC | |
| 19N TN KINGSPORT | BLCT | 1933 | LIC | |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC | |
| 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN | |
| 19A VA PORTSMOUTH | DTVPLN | DTVP0376 | PLN | |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP | |

After Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 19A NC LEXINGTON | DTVPLN | DTVP0361 | PLN |
| HAAT 297.0 m, ATV ERP 84.5 kW | | | |
| within Noise Limited Contour | POPULATION | AREA (sq km) | |
| not affected by terrain losses | 1447221 | 17827.5 | |
| lost to NTSC IX | 1442521 | 17626.8 | |
| lost to additional IX by ATV | 30607 | 373.2 | |
| lost to ATV IX only | 3213 | 64.2 | |
| lost to all IX | 9637 | 124.4 | |
| | 33820 | 437.4 | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------------|--------------|-------------|-----|
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC |
| 19N NC JACKSONVILLE | BLET | 20020607AAA | LIC |
| 19N SC COLUMBIA | BLCT | 19850719KF | LIC |
| 19N TN KINGSPORT | BLCT | 1933 | LIC |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC |
| 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN |
| 19A VA PORTSMOUTH | DTVPLN | DTVP0376 | PLN |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | | APP |

Percent new IX = 0.0041%

Worst case new IX 0.0041% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------|-------------|--------------|
| 19 | WCWG | LEXINGTON NC | BLCDT | -20070418ACV |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 18 | WCCB | CHARLOTTE NC | 106.0 | LIC | BLCT | -791128LG |
| 18 | WFXB-DT | MYRTLE BEACH SC | 195.5 | PLN | DTVPLN | -DTVP0323 |
| 18 | WFXB | MYRTLE BEACH SC | 195.5 | LIC | BLCDT | -20070205ACJ |
| 18 | WDBJ-DT | ROANOKE VA | 150.5 | PLN | DTVPLN | -DTVP0331 |
| 19 | WUNM-TV | JACKSONVILLE NC | 240.5 | LIC | BLET | -20020607AAA |
| 19 | WLTX | COLUMBIA SC | 214.6 | LIC | BLCT | -19850719KF |
| 19 | WKPT-TV | KINGSPORT TN | 216.9 | APP | BSTA | -20090209AMO |
| 19 | WKPT-TV | KINGSPORT TN | 216.9 | LIC | BLCT | -1933 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 29)

| | | | | | | |
|----|---------|--------------------|-------|--------|---------------|--------------|
| 19 | WGNT-DT | PORTSMOUTH VA | 318.6 | PLN | DTVPLN | -DTVP0376 |
| 19 | WVAH-TV | CHARLESTON WV | 337.2 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 339.4 | PLN | DTVPLN | -DTVP0382 |
| 20 | WCWG | LEXINGTON NC | 0.0 | LIC | BLCT | -20010503AAW |
| 20 | WWMB | FLORENCE SC | 172.9 | LIC | BLCDT | -20030122AAT |
| 20 | WWMB-DT | FLORENCE SC | 172.9 | PLN | DTVPLN | -DTVP0416 |
| 20 | WJPR-DT | LYNCHBURG VA | 162.4 | PLN | DTVPLN | -DTVP0422 |
| 20 | WWCW | LYNCHBURG VA | 162.4 | CP MOD | BMPCDT | -20080619AJT |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 263.8 | APP | USERRECORD-01 | |

Total scenarios = 4

Result key: 18

Scenario 1 Affected station 6
Before Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| HAAT 576.0 m, ATV ERP 800.0 kW | | | |
| within Noise Limited Contour | POPULATION | AREA (sq km) | |
| not affected by terrain losses | 3525488 | 45878.5 | |
| lost to NTSC IX | 3509889 | 45143.3 | |
| lost to additional IX by ATV | 346229 | 1723.5 | |
| lost to ATV IX only | 11206 | 281.2 | |
| lost to all IX | 13817 | 458.0 | |
| | 357435 | 2004.7 | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|---------------------|--------|-------------|-----|
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC |
| 19N NC JACKSONVILLE | BLET | 20020607AAA | LIC |
| 19N SC COLUMBIA | BLCT | 19850719KF | LIC |
| 19N TN KINGSPORT | BLCT | 1933 | LIC |
| 18A SC MYRTLE BEACH | BLCDT | 20070205ACJ | LIC |
| 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN |
| 19A VA PORTSMOUTH | DTVPLN | DTVP0376 | PLN |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP |
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |
| 20A VA LYNCHBURG | DTVPLN | DTVP0422 | PLN |

After Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| HAAT 576.0 m, ATV ERP 800.0 kW | | | |
| within Noise Limited Contour | POPULATION | AREA (sq km) | |
| not affected by terrain losses | 3525488 | 45878.5 | |
| lost to NTSC IX | 3509889 | 45143.3 | |
| lost to additional IX by ATV | 346229 | 1723.5 | |
| lost to ATV IX only | 17293 | 454.0 | |
| lost to all IX | 20732 | 666.9 | |
| | 363522 | 2177.4 | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|---------------------|--------|-------------|-----|
| 18N NC CHARLOTTE | BLCT | 791128LG | LIC |
| 19N NC JACKSONVILLE | BLET | 20020607AAA | LIC |
| 19N SC COLUMBIA | BLCT | 19850719KF | LIC |
| 19N TN KINGSPORT | BLCT | 1933 | LIC |
| 18A SC MYRTLE BEACH | BLCDT | 20070205ACJ | LIC |
| 18A VA ROANOKE | DTVPLN | DTVP0331 | PLN |
| 19A VA PORTSMOUTH | DTVPLN | DTVP0376 | PLN |
| 19A WV CHARLESTON | BMPCDT | 20040406AAX | CP |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 29)

| | | | |
|------------------------|--------------|-------------|-----|
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |
| 20A VA LYNCHBURG | DTVPLN | DTVP0422 | PLN |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | | APP |

Percent new IX = 0.4272%

Worst case new IX 0.4272% Scenario 1

#####

Analysis of Interference to Affected Station 7

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|------------|-------------|--------------|
| 19 | W19CI | BERWICK PA | BLTTL | -20001206AAX |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 18 | WETM-TV | ELMIRA NY | 134.0 | LIC | BLCT | -19980615KE |
| 19 | WCDC-TV | ADAMS MA | 310.6 | LIC | BLCT | -19810105KE |
| 19 | WSYT | SYRACUSE NY | 208.4 | LIC | BLCDDT | -20050705AAM |
| 19 | WSYT-DT | SYRACUSE NY | 208.4 | PLN | DTVPLN | -DTVP0366 |
| 19 | W19AR | CLARKS SUMMIT PA | 67.6 | LIC | BLTT | -19880126IR |
| 19 | WPCW | JEANNETTE PA | 262.6 | LIC | BLCT | -20030512ABA |
| 19 | WCAV | CHARLOTTESVILLE VA | 388.0 | LIC | BLCT | -20040813AAJ |
| 23 | WLYH-TV | LANCASTER PA | 85.2 | LIC | BLCDDT | -20040922AAC |
| 23 | WLYH-DT | LANCASTER PA | 85.3 | PLN | DTVPLN | -DTVP0539 |
| 26 | KYW-TV | PHILADELPHIA PA | 134.9 | CP | BPCDDT | -20080620ABO |
| 26 | KYW-DT | PHILADELPHIA PA | 134.8 | PLN | DTVPLN | -DTVP0650 |
| 27 | WGTW-DT | BURLINGTON NJ | 134.8 | PLN | DTVPLN | -DTVP0678 |
| 27 | WGTW-TV | BURLINGTON NJ | 135.3 | LIC | BLCDDT | -20060105AAR |
| 33 | WETM | ELMIRA NY | 134.0 | APP | BPRM | -20030724AHF |
| 33 | WITF-TV | HARRISBURG PA | 91.8 | LIC | BMLET | -19820217KH |
| 34 | WIVT | BINGHAMTON NY | 119.4 | LIC | BLCT | -20040113ABJ |
| 34 | WYBE | PHILADELPHIA PA | 135.3 | LIC | BLEDL | -20030213AAD |
| 34 | WYBE-DT | PHILADELPHIA PA | 135.2 | PLN | DTVPLN | -DTVP0953 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 388.0 | APP | USERRECORD-01 | |

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------|-------------|--------------|
| 19 | WPCW | JEANNETTE PA | BLCT | -20030512ABA |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------|----------|--------|-------------|--------------|
| 15 | WPSX-DT | CLEARFIELD PA | 119.7 | PLN | DTVPLN | -DTVP0188 |
| 15 | WPSU-TV | CLEARFIELD PA | 119.6 | CP MOD | BMPEDT | -20030527ADP |
| 16 | WJAL-DT | HAGERSTOWN MD | 104.0 | PLN | DTVPLN | -DTVP0223 |
| 16 | WQEX | PITTSBURGH PA | 76.6 | LIC | BLCT | -20060817ABY |
| 19 | WSYT | SYRACUSE NY | 386.5 | LIC | BLCDDT | -20050705AAM |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 29)

| | | | | | | |
|----|---------|--------------------|-------|--------|---------------|--------------|
| 19 | WSYT-DT | SYRACUSE NY | 386.5 | PLN | DTVPLN | -DTVP0366 |
| 19 | WOIO | SHAKER HEIGHTS OH | 254.2 | LIC | BLCT | -20041112ACR |
| 19 | WTVG-DT | TOLEDO OH | 396.5 | PLN | DTVPLN | -DTVP0367 |
| 19 | WCAV | CHARLOTTESVILLE VA | 250.5 | LIC | BLCT | -20040813AAJ |
| 19 | WVAH-TV | CHARLESTON WV | 309.5 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 309.9 | PLN | DTVPLN | -DTVP0382 |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 161.9 | PLN | DTVPLN | -DTVP0414 |
| 20 | WFMJ-TV | YOUNGSTOWN OH | 161.9 | CP | BPCDDT | -19991027AAV |
| 22 | WPMY | PITTSBURGH PA | 57.7 | LIC | BLCT | -20000724ABO |
| 23 | WATM-TV | ALTOONA PA | 72.3 | LIC | BLCT | -19990311KG |
| 26 | WQEX-DT | PITTSBURGH PA | 76.6 | PLN | DTVPLN | -DTVP0651 |
| 33 | WYTV | YOUNGSTOWN OH | 160.4 | LIC | BLCT | -2210 |
| 33 | WITF-TV | HARRISBURG PA | 192.6 | LIC | BMLET | -19820217KH |
| 33 | WNPB-DT | MORGANTOWN WV | 76.3 | PLN | DTVPLN | -DTVP0923 |
| 34 | WJAC-TV | JOHNSTOWN PA | 24.6 | LIC | BLCDDT | -20051123AKN |
| 34 | WJAC-DT | JOHNSTOWN PA | 24.5 | PLN | DTVPLN | -DTVP0952 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 250.5 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 9

NTSC Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|--------|--------------|-------------|-----------|
| 19 | WKPTTV | KINGSPORT TN | DTVPLN | -NPLN1058 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------|----------|--------|-------------|-----------|
| 16 | WKHA-DT | HAZARD KY | 126.1 | PLN | DTVPLN | -DTVP0221 |
| 17 | WUNETV | LINNVILLE NC | 48.8 | PLN | DTVPLN | -NPLN0993 |
| 18 | WCCB | CHARLOTTE NC | 181.0 | PLN | DTVPLN | -NPLN1024 |
| 18 | WDBJ-DT | ROANOKE VA | 195.7 | PLN | DTVPLN | -DTVP0331 |
| 19 | WGNX-DT | ATLANTA GA | 353.8 | PLN | DTVPLN | -DTVP0347 |
| 19 | WGRB-DT | CAMPBELLSVILLE KY | 293.9 | PLN | DTVPLN | -DTVP0354 |
| 19 | WXIXTV | NEWPORT KY | 366.4 | PLN | DTVPLN | -NPLN1044 |
| 19 | WBFX-DT | LEXINGTON NC | 213.7 | PLN | DTVPLN | -DTVP0361 |
| 19 | WLTX | COLUMBIA SC | 287.9 | PLN | DTVPLN | -NPLN1057 |
| 19 | WVAH-DT | CHARLESTON WV | 221.9 | PLN | DTVPLN | -DTVP0382 |
| 20 | WINT | CROSSVILLE TN | 200.4 | PLN | DTVPLN | -NPLN1090 |
| 22 | WKPI-TV | PIKEVILLE KY | 100.9 | PLN | DTVPLN | -NPLN1143 |
| 26 | WUNLTV | WINSTON-SALEM NC | 158.2 | PLN | DTVPLN | -NPLN1283 |
| 27 | WKPT-DT | KINGSPORT TN | 0.0 | PLN | DTVPLN | -DTVP0689 |
| 33 | WUNFTV | ASHEVILLE NC | 125.0 | PLN | DTVPLN | -NPLN1453 |

| Results for: 19N TN KINGSPORT | DTVPLN | NPLN1058 | PLN |
|--------------------------------|--------|----------|-----|
| within Noise Limited Contour | 930341 | 26427.2 | |
| not affected by terrain losses | 713803 | 18685.3 | |
| lost to NTSC IX | 4601 | 161.3 | |
| lost to additional IX by ATV | 2127 | 100.8 | |
| lost to all IX | 6728 | 262.1 | |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------|-------------|--------------|
| 19 | WKPT-TV | KINGSPORT TN | BSTA | -20090209AMO |

Stations Potentially Affecting This Station

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 13 of 29)

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 16 | WKHA-DT | HAZARD KY | 126.1 | PLN | DTVPLN | -DTVP0221 |
| 17 | WUNE-TV | LINVILLE NC | 48.7 | LIC | BLET | -19950124KM |
| 18 | WCCB | CHARLOTTE NC | 180.9 | LIC | BLCT | -791128LG |
| 18 | WDBJ-DT | ROANOKE VA | 195.7 | PLN | DTVPLN | -DTVP0331 |
| 19 | WGCL-TV | ATLANTA GA | 353.8 | CP | BPCDT | -20040220ACX |
| 19 | WGNX-DT | ATLANTA GA | 353.8 | PLN | DTVPLN | -DTVP0347 |
| 19 | WBKI-DT | BARDSTOWN KY | 321.9 | ADD | BPRM | -20001229ABL |
| 19 | WGRB-DT | CAMPBELLSVILLE KY | 293.9 | PLN | DTVPLN | -DTVP0354 |
| 19 | WXIX-TV | NEWPORT KY | 366.4 | LIC | BLCT | -19851107KH |
| 19 | WBFX-DT | LEXINGTON NC | 213.7 | PLN | DTVPLN | -DTVP0361 |
| 19 | WCWG | LEXINGTON NC | 216.9 | LIC | BLCDT | -20070418ACV |
| 19 | WLTX | COLUMBIA SC | 287.9 | LIC | BLCT | -19850719KF |
| 19 | WCAV | CHARLOTTESVILLE VA | 366.8 | LIC | BLCT | -20040813AAJ |
| 19 | WVAH-TV | CHARLESTON WV | 220.6 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 221.9 | PLN | DTVPLN | -DTVP0382 |
| 20 | WBXX-TV | CROSSVILLE TN | 200.4 | LIC | BLCT | -19971028KE |
| 22 | WKPI-TV | PIKEVILLE KY | 100.9 | LIC | BMLET | -19830426KN |
| 26 | WUNL-TV | WINSTON-SALEM NC | 158.1 | LIC | BMLET | -20041104ART |
| 27 | WUNW | CANTON NC | 118.3 | CP | BPET | -19960919KW |
| 27 | WKPT-DT | KINGSPORT TN | 0.0 | PLN | DTVPLN | -DTVP0689 |
| 27 | WKPT-TV | KINGSPORT TN | 0.0 | CP MOD | BMPCDT | -20050303AAJ |
| 33 | WUNF-TV | ASHEVILLE NC | 125.0 | LIC | BLET | -19980316KE |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 366.8 | APP | USERRECORD-01 | |

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------|-------------|----------|
| 19 | WKPT-TV | KINGSPORT TN | BLCT | -1933 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|-------------|--------------|
| 16 | WKHA-DT | HAZARD KY | 126.1 | PLN | DTVPLN | -DTVP0221 |
| 17 | WUNE-TV | LINVILLE NC | 48.7 | LIC | BLET | -19950124KM |
| 18 | WCCB | CHARLOTTE NC | 180.9 | LIC | BLCT | -791128LG |
| 18 | WDBJ-DT | ROANOKE VA | 195.7 | PLN | DTVPLN | -DTVP0331 |
| 19 | WGCL-TV | ATLANTA GA | 353.8 | CP | BPCDT | -20040220ACX |
| 19 | WGNX-DT | ATLANTA GA | 353.8 | PLN | DTVPLN | -DTVP0347 |
| 19 | WBKI-DT | BARDSTOWN KY | 321.9 | ADD | BPRM | -20001229ABL |
| 19 | WGRB-DT | CAMPBELLSVILLE KY | 293.9 | PLN | DTVPLN | -DTVP0354 |
| 19 | WXIX-TV | NEWPORT KY | 366.4 | LIC | BLCT | -19851107KH |
| 19 | WBFX-DT | LEXINGTON NC | 213.7 | PLN | DTVPLN | -DTVP0361 |
| 19 | WCWG | LEXINGTON NC | 216.9 | LIC | BLCDT | -20070418ACV |
| 19 | WLTX | COLUMBIA SC | 287.9 | LIC | BLCT | -19850719KF |
| 19 | WCAV | CHARLOTTESVILLE VA | 366.8 | LIC | BLCT | -20040813AAJ |
| 19 | WVAH-TV | CHARLESTON WV | 220.6 | CP MOD | BMPCDT | -20040406AAX |
| 19 | WVAH-DT | CHARLESTON WV | 221.9 | PLN | DTVPLN | -DTVP0382 |
| 20 | WBXX-TV | CROSSVILLE TN | 200.4 | LIC | BLCT | -19971028KE |
| 22 | WKPI-TV | PIKEVILLE KY | 100.9 | LIC | BMLET | -19830426KN |
| 26 | WUNL-TV | WINSTON-SALEM NC | 158.1 | LIC | BMLET | -20041104ART |
| 27 | WUNW | CANTON NC | 118.3 | CP | BPET | -19960919KW |
| 27 | WKPT-DT | KINGSPORT TN | 0.0 | PLN | DTVPLN | -DTVP0689 |
| 27 | WKPT-TV | KINGSPORT TN | 0.0 | CP MOD | BMPCDT | -20050303AAJ |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 14 of 29)

| | | | | | | |
|---------------------------------|---------|--------------------|-------|-----|---------------|-------------|
| 33 | WUNF-TV | ASHEVILLE NC | 125.0 | LIC | BLET | -19980316KE |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 366.8 | APP | USERRECORD-01 | |
| Proposal causes no interference | | | | | | |

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Analysis of Interference to Affected Station 11

DTV Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|---------------|-------------|-----------|
| 19 | WGNT-DT | PORTSMOUTH VA | DTVPLN | -DTVP0376 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|-------------|-----------|
| 19 | WUNMTV | JACKSONVILLE NC | 205.4 | PLN | DTVPLN | -NPLN1050 |
| 19 | WBFX-DT | LEXINGTON NC | 315.0 | PLN | DTVPLN | -DTVP0361 |
| 20 | WUND-DT | COLUMBIA NC | 101.9 | PLN | DTVPLN | -DTVP0407 |

Results for: 19A VA PORTSMOUTH DTVPLN DTVP0376 PLN
HAAT 296.0 m, ATV ERP 60.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1566121 | 18925.2 |
| not affected by terrain losses | 1566121 | 18925.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 3238 | 333.5 |
| lost to ATV IX only | 3238 | 333.5 |
| lost to all IX | 3238 | 333.5 |

NTSC Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|---------------|-------------|-----------|
| 27 | WGNT | PORTSMOUTH VA | DTVPLN | -NPLN1319 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------|----------|--------|-------------|-----------|
| 19 | WGNT-DT | PORTSMOUTH VA | 0.0 | PLN | DTVPLN | -DTVP0376 |
| 20 | WUND-DT | COLUMBIA NC | 101.9 | PLN | DTVPLN | -DTVP0407 |
| 24 | WCVE-DT | RICHMOND VA | 127.4 | PLN | DTVPLN | -DTVP0588 |
| 25 | WTVR-DT | RICHMOND VA | 122.8 | PLN | DTVPLN | -DTVP0622 |
| 26 | WRLH-DT | RICHMOND VA | 134.0 | PLN | DTVPLN | -DTVP0657 |
| 27 | WETA-DT | WASHINGTON DC | 245.7 | PLN | DTVPLN | -DTVP0667 |
| 27 | WRDC-DT | DURHAM NC | 224.6 | PLN | DTVPLN | -DTVP0677 |
| 27 | WGTW-DT | BURLINGTON NJ | 374.6 | PLN | DTVPLN | -DTVP0678 |
| 27 | WHTMTV | HARRISBURG PA | 391.7 | PLN | DTVPLN | -NPLN1315 |
| 27 | WFXTV | ROANOKE VA | 330.4 | PLN | DTVPLN | -NPLN1320 |
| 28 | WCPB | SALISBURY MD | 191.0 | PLN | DTVPLN | -NPLN1333 |
| 29 | WVBT-DT | VIRGINIA BEACH VA | 4.4 | PLN | DTVPLN | -DTVP0771 |
| 31 | WAVY-DT | PORTSMOUTH VA | 4.4 | PLN | DTVPLN | -DTVP0846 |
| 35 | WRLHTV | RICHMOND VA | 134.0 | PLN | DTVPLN | -NPLN1509 |
| 41 | WVEC-DT | HAMPTON VA | 0.7 | PLN | DTVPLN | -DTVP1178 |

Results for: 27N VA PORTSMOUTH DTVPLN NPLN1319 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 1566121 | 18925.2 |
| not affected by terrain losses | 1566121 | 18925.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1326 | 76.3 |
| lost to all IX | 1326 | 76.3 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 15 of 29)

| Analysis of current record | | | | | |
|---|---------|-------------------|-------------|-----------|----------------------|
| Channel | Call | City/State | Application | Ref. No. | |
| 19 | WGNT-DT | PORTSMOUTH VA | DTVPLN | -DTPV0376 | |
| Stations Potentially Affecting This Station | | | | | |
| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
| 18 | WUNM-TV | JACKSONVILLE NC | 205.4 | LIC | BLEDT -20021105AAI |
| 18 | WUNMTV | JACKSONVILLE NC | 205.4 | LIC | BPRM -20000417AAD |
| 19 | WUNM-TV | JACKSONVILLE NC | 205.4 | LIC | BLET -20020607AAA |
| 19 | WBFX-DT | LEXINGTON NC | 315.0 | PLN | DTVPLN -DTPV0361 |
| 19 | WCWG | LEXINGTON NC | 318.6 | LIC | BLCDT -20070418ACV |
| 20 | WUND-DT | COLUMBIA NC | 101.9 | PLN | DTVPLN -DTPV0407 |
| 20 | WUND-TV | EDENTON NC | 101.9 | LIC | BLEDT -20070307ABK |
| 19 | WCAV-DT | CHARLOTTEVILLE VA | 220.7 | APP | USERRECORD-01 |
| Proposal causes no interference | | | | | |

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Analysis of Interference to Affected Station 12

| Analysis of current record | | | | | |
|---|----------|--------------------|-------------|--------------|----------------------|
| Channel | Call | City/State | Application | Ref. No. | |
| 19 | WYSJ-CA | YORKTOWN VA | BLTTA | -20070418AAU | |
| Stations Potentially Affecting This Station | | | | | |
| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
| 16 | WHRO-TV | HAMPTON-NORFOLK VA | 30.4 | LIC | BLEDT -20020604AAB |
| 16 | WHRO-DT | HAMPTON-NORFOLK VA | 30.3 | PLN | DTVPLN -DTPV0245 |
| 18 | W18BS | HAMPTON VA | 1.9 | LIC | BLTTL -19961118JG |
| 18 | WVBN-LP | VIRGINIA BEACH VA | 45.5 | APP | BMPTTL -20030116AAG |
| 18 | WVBN-LP | VIRGINIA BEACH VA | 45.5 | LIC | BLTTL -20030124ADP |
| 19 | NEW | BETHANY DE | 201.0 | APP | BNPTTL -20000807ABP |
| 19 | NEW | MILTON DE | 223.0 | APP | BNPTTL -20000807AGL |
| 19 | NEW | SUSSEX COUNTY DE | 195.9 | APP | BNPTTL -20000828BIG |
| 19 | NEW | OCEAN CITY MD | 183.0 | APP | BNPTTL -20000807AEJ |
| 19 | NEW | OCEAN CITY MD | 189.3 | APP | BNPTTL -20000831BIQ |
| 19 | NEW | SALISBURY MD | 174.0 | APP | BNPTTL -20000828BGW |
| 19 | WUNM-TV | JACKSONVILLE NC | 233.5 | LIC | BLET -20020607AAA |
| 19 | WBFX-DT | LEXINGTON NC | 325.9 | PLN | DTVPLN -DTPV0361 |
| 19 | WCWG | LEXINGTON NC | 330.5 | LIC | BLCDT -20070418ACV |
| 19 | WCAV | CHARLOTTEVILLE VA | 205.7 | LIC | BLCT -20040813AAJ |
| 19 | WTLU-CA | LYNCHBURG VA | 242.8 | LIC | BLTTL -19930114JL |
| 19 | WGNT-DT | PORTSMOUTH VA | 29.6 | PLN | DTVPLN -DTPV0376 |
| 20 | WUND-DT | COLUMBIA NC | 131.3 | PLN | DTVPLN -DTPV0407 |
| 20 | WUND-TV | EDENTON NC | 131.2 | LIC | BLEDT -20070307ABK |
| 21 | 960724LE | VIRGINIA BEACH VA | 30.3 | APP | BPCT -19960724LE |
| 21 | 960724LL | VIRGINIA BEACH VA | 56.0 | APP | BPCT -19960724LL |
| 21 | 960724LD | VIRGINIA BEACH VA | 42.6 | APP | BPCT -19960724LD |
| 21 | 960724LM | VIRGINIA BEACH VA | 63.1 | APP | BPCT -19960724LM |
| 21 | 960919KO | VIRGINIA BEACH VA | 42.6 | APP | BPCT -19960919KO |
| 21 | 960925KE | VIRGINIA BEACH VA | 56.1 | APP | BPCT -19960925KE |
| 21 | 961001XL | VIRGINIA BEACH VA | 29.2 | APP | BPCT -19961001XL |
| 21 | 961001XY | VIRGINIA BEACH VA | 31.3 | APP | BPCT -19961001XY |
| 21 | 960718KR | VIRGINIA BEACH VA | 57.7 | APP | BPCT -19960718KR |
| 21 | 960404LP | VIRGINIA BEACH VA | 38.2 | APP | BPCT -19960404LP |
| 21 | 960111LA | VIRGINIA BEACH VA | 44.7 | APP | BPCT -19960111LA |
| 21 | WHRE | VIRGINIA BEACH VA | 30.4 | LIC | BLCT -20060329AGW |
| 21 | 960723KW | VIRGINIA BEACH VA | 44.7 | APP | BPCT -19960723KW |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 16 of 29)

| | | | | | | |
|---------------------------------|---------|-------------------|-------|--------|---------------|--------------|
| 22 | WRIC-DT | PETERSBURG VA | 113.0 | PLN | DTVPLN | -DTPV0509 |
| 22 | WRIC-TV | PETERSBURG VA | 113.0 | CP | BPCT | -20080618ADU |
| 23 | WCVE-TV | RICHMOND VA | 113.0 | LIC | BLET | -20030520AKD |
| 26 | WRLH-DT | RICHMOND VA | 120.7 | PLN | DTVPLN | -DTPV0657 |
| 26 | WRLH-TV | RICHMOND VA | 113.0 | CP MOD | BMPCDT | -20040507ABE |
| 33 | WTVZ-TV | NORFOLK VA | 30.4 | LIC | BLCT | -20030415ACC |
| 19 | WCAV-DT | CHARLOTTEVILLE VA | 205.7 | APP | USERRECORD-01 | |
| Proposal causes no interference | | | | | | |

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Analysis of Interference to Affected Station 13

| DTV Baseline Analysis | | | | | |
|---|---------|-------------------|-------------|-----------|----------------------|
| Channel | Call | City/State | Application | Ref. No. | |
| 19 | WVAH-DT | CHARLESTON WV | DTVPLN | -DTPV0382 | |
| Stations Potentially Affecting This Station | | | | | |
| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
| 18 | WLEXTV | LEXINGTON KY | 227.2 | PLN | DTVPLN -NPLN1019 |
| 18 | WHIZTV | ZANESVILLE OH | 167.6 | PLN | DTVPLN -NPLN1028 |
| 18 | WDBJ-DT | ROANOKE VA | 206.6 | PLN | DTVPLN -DTPV0331 |
| 19 | WKJG-DT | FORT WAYNE IN | 406.8 | PLN | DTVPLN -DTPV0352 |
| 19 | WGRB-DT | CAMPBELLSVILLE KY | 328.3 | PLN | DTVPLN -DTPV0354 |
| 19 | WXIXTV | NEWPORT KY | 240.3 | PLN | DTVPLN -NPLN1044 |
| 19 | WBFX-DT | LEXINGTON NC | 329.8 | PLN | DTVPLN -DTPV0361 |
| 19 | WOTO | SHAKER HEIGHTS OH | 330.3 | PLN | DTVPLN -NPLN1054 |
| 19 | WTVG-DT | TOLEDO OH | 384.1 | PLN | DTVPLN -DTPV0367 |
| 19 | WTWBT | JOHNSTOWN PA | 307.7 | PLN | DTVPLN -NPLN1056 |
| 19 | WKPTV | KINGSPORT TN | 221.9 | PLN | DTVPLN -NPLN1058 |
| 20 | WOUBTV | ATHENS OH | 101.1 | PLN | DTVPLN -NPLN1087 |

| | | | | | |
|--------------------------------|--|------------|--------------|----------|-----|
| Results for: 19A WV CHARLESTON | | | DTVPLN | DTPV0382 | PLN |
| HAAT 525.0 m, ATV ERP 71.4 kW | | | | | |
| | | POPULATION | AREA (sq km) | | |
| within Noise Limited Contour | | 892589 | 24426.0 | | |
| not affected by terrain losses | | 861001 | 23452.2 | | |
| lost to NTSC IX | | 14247 | 450.7 | | |
| lost to additional IX by ATV | | 0 | 0.0 | | |
| lost to ATV IX only | | 150 | 8.0 | | |
| lost to all IX | | 14247 | 450.7 | | |

| NTSC Baseline Analysis | | | | | |
|---|---------|-----------------|-------------|-----------|----------------------|
| Channel | Call | City/State | Application | Ref. No. | |
| 11 | WVAHTV | CHARLESTON WV | DTVPLN | -NPLN0749 | |
| Stations Potentially Affecting This Station | | | | | |
| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
| 10 | WBNSTV | COLUMBUS OH | 196.8 | PLN | DTVPLN -NPLN0673 |
| 10 | WLSLTV | ROANOKE VA | 206.6 | PLN | DTVPLN -NPLN0689 |
| 11 | WHAFTV | LOUISVILLE KY | 341.9 | PLN | DTVPLN -NPLN0715 |
| 11 | WTOLT | TOLEDO OH | 382.1 | PLN | DTVPLN -NPLN0732 |
| 11 | WPXI | PITTSBURGH PA | 280.5 | PLN | DTVPLN -NPLN0736 |
| 11 | WJHLTV | JOHNSON CITY TN | 221.9 | PLN | DTVPLN -NPLN0741 |
| 11 | WVPT-DT | STAUNTON VA | 229.4 | PLN | DTVPLN -DTPV0091 |
| 12 | WYMT-DT | HAZARD KY | 175.4 | PLN | DTVPLN -DTPV0101 |
| 12 | WBOYTV | CLARKSBURG WV | 168.2 | PLN | DTVPLN -NPLN0807 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 17 of 29)

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 11N WV CHARLESTON | DTVPLN | NPLN0749 | PLN |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 892405 | 24422.0 | |
| not affected by terrain losses | 819581 | 22220.8 | |
| lost to NTSC IX | 35051 | 1645.8 | |
| lost to additional IX by ATV | 0 | 0.0 | |
| lost to all IX | 35051 | 1645.8 | |

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 19 | WVAH-TV | CHARLESTON WV | BMPCDT -20040406AAX |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 18 | WLEX-TV | LEXINGTON KY | 228.7 | LIC | BLCT -19850221KF |
| 18 | WHIZ-TV | ZANESVILLE OH | 169.2 | APP | BSTA -20060616AAU |
| 18 | WHIZ-TV | ZANESVILLE OH | 169.2 | LIC | BMLECT -20030715ACX |
| 18 | WDBJ-DT | ROANOKE VA | 204.3 | PLN | DTVPLN -DTVP0331 |
| 19 | WKJG-DT | FORT WAYNE IN | 409.1 | PLN | DTVPLN -DTVP0352 |
| 19 | WISE-TV | FORT WAYNE IN | 409.1 | LIC | BLCDT -20070509AEQ |
| 19 | WBKI-DT | BARDSTOWN KY | 295.5 | ADD | BPRM -20001229ABL |
| 19 | WGRB-DT | CAMPBELLVILLE KY | 329.3 | PLN | DTVPLN -DTVP0354 |
| 19 | WXIX-TV | NEWPORT KY | 242.5 | LIC | BLCT -19851107KH |
| 19 | WBFX-DT | LEXINGTON NC | 327.6 | PLN | DTVPLN -DTVP0361 |
| 19 | WCWG | LEXINGTON NC | 337.2 | LIC | BLCDT -20070418ACV |
| 19 | WOIO | SHAKER HEIGHTS OH | 331.7 | LIC | BLCT -20041112ACR |
| 19 | WTVG-DT | TOLEDO OH | 386.1 | PLN | DTVPLN -DTVP0367 |
| 19 | WPCW | JEANNETTE PA | 309.5 | LIC | BLCT -20030512ABA |
| 19 | WKPT-TV | KINGSPORT TN | 220.6 | APP | BSTA -20090209AMO |
| 19 | WKPT-TV | KINGSPORT TN | 220.6 | LIC | BLCT -1933 |
| 20 | NEW | LEXINGTON KY | 217.2 | ADD | BPRM -20000717ADO |
| 20 | WOUB-TV | ATHENS OH | 103.0 | LIC | BMLET -20020807ACG |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 302.6 | APP | USERRECORD-01 |

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 19 | WVAH-DT | CHARLESTON WV | DTVPLN -DTVP0382 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-------------------|----------|--------|----------------------|
| 18 | WLEX-TV | LEXINGTON KY | 227.2 | LIC | BLCT -19850221KF |
| 18 | WHIZ-TV | ZANESVILLE OH | 167.6 | APP | BSTA -20060616AAU |
| 18 | WHIZ-TV | ZANESVILLE OH | 167.6 | LIC | BMLECT -20030715ACX |
| 18 | WDBJ-DT | ROANOKE VA | 206.6 | PLN | DTVPLN -DTVP0331 |
| 19 | WKJG-DT | FORT WAYNE IN | 406.8 | PLN | DTVPLN -DTVP0352 |
| 19 | WISE-TV | FORT WAYNE IN | 406.8 | LIC | BLCDT -20070509AEQ |
| 19 | WBKI-DT | BARDSTOWN KY | 293.9 | ADD | BPRM -20001229ABL |
| 19 | WGRB-DT | CAMPBELLVILLE KY | 328.3 | PLN | DTVPLN -DTVP0354 |
| 19 | WXIX-TV | NEWPORT KY | 240.3 | LIC | BLCT -19851107KH |
| 19 | WBFX-DT | LEXINGTON NC | 329.8 | PLN | DTVPLN -DTVP0361 |
| 19 | WCWG | LEXINGTON NC | 339.4 | LIC | BLCDT -20070418ACV |
| 19 | WOIO | SHAKER HEIGHTS OH | 330.3 | LIC | BLCT -20041112ACR |
| 19 | WTVG-DT | TOLEDO OH | 384.1 | PLN | DTVPLN -DTVP0367 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 18 of 29)

| | | | | | | |
|----|---------|--------------------|-------|-----|---------------|--------------|
| 19 | WPCW | JEANNETTE PA | 309.9 | LIC | BLCT | -20030512ABA |
| 19 | WKPT-TV | KINGSPORT TN | 221.9 | APP | BSTA | -20090209AMO |
| 19 | WKPT-TV | KINGSPORT TN | 221.9 | LIC | BLCT | -1933 |
| 20 | NEW | LEXINGTON KY | 215.9 | ADD | BPRM | -20000717ADO |
| 20 | WOUB-TV | ATHENS OH | 101.2 | LIC | BMLET | -20020807ACG |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 304.6 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 15

NTSC Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|------|---------------|----------------------|
| 20 | WDCA | WASHINGTON DC | DTVPLN -NPLN1071 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-----------------|----------|--------|----------------------|
| 16 | WJAL-DT | HAGERSTOWN MD | 127.0 | PLN | DTVPLN -DTVP0223 |
| 20 | WUND-DT | COLUMBIA NC | 347.0 | PLN | DTVPLN -DTVP0407 |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 381.9 | PLN | DTVPLN -DTVP0414 |
| 20 | WJPR-DT | LYNCHBURG VA | 286.7 | PLN | DTVPLN -DTVP0422 |
| 21 | WBCC-DT | SALISBURY MD | 136.6 | PLN | DTVPLN -DTVP0441 |
| 21 | WHPTV | HARRISBURG PA | 154.9 | PLN | DTVPLN -NPLN1124 |
| 21 | WVPY-DT | FRONT ROYAL VA | 106.0 | PLN | DTVPLN -DTVP0461 |
| 22 | WMPT | ANNAPOLIS MD | 43.1 | PLN | DTVPLN -NPLN1145 |
| 24 | WHSWTV | BALTIMORE MD | 46.7 | PLN | DTVPLN -NPLN1212 |
| 27 | WETA-DT | WASHINGTON DC | 0.0 | PLN | DTVPLN -DTVP0667 |
| 27 | WHTMTV | HARRISBURG PA | 150.9 | PLN | DTVPLN -NPLN1315 |
| 28 | WFPT-DT | FREDERICK MD | 42.5 | PLN | DTVPLN -DTVP0713 |
| 34 | WUSA-DT | WASHINGTON DC | 2.6 | PLN | DTVPLN -DTVP0930 |
| 35 | WDCA-DT | WASHINGTON DC | 0.0 | PLN | DTVPLN -DTVP0968 |
| 35 | WYBE | PHILADELPHIA PA | 199.8 | PLN | DTVPLN -NPLN1506 |
| 35 | WRLHTV | RICHMOND VA | 170.1 | PLN | DTVPLN -NPLN1509 |

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 20N DC WASHINGTON | DTVPLN | NPLN1071 | PLN |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 6116698 | 18730.5 | |
| not affected by terrain losses | 6079337 | 18078.6 | |
| lost to NTSC IX | 333297 | 899.9 | |
| lost to additional IX by ATV | 1603 | 20.0 | |
| lost to all IX | 334900 | 919.9 | |

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|---------------|----------------------|
| 20 | WDCA | WASHINGTON DC | BMXPCT -20060519ACH |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 16 | WJAL-DT | HAGERSTOWN MD | 128.8 | PLN | DTVPLN -DTVP0223 |
| 16 | WJAL-TV | SILVER SPRING MD | 1.8 | APP | BPRM -20021003ACN |
| 19 | WCAV | CHARLOTTESVILLE VA | 162.7 | LIC | BLCT -20040813AAJ |
| 20 | WUND-DT | COLUMBIA NC | 345.9 | PLN | DTVPLN -DTVP0407 |
| 20 | WUND-TV | EDENTON NC | 345.9 | LIC | BLEDT -20070307ABK |
| 20 | WNYI | ITHACA NY | 389.2 | APP | BPRM -20060619ABW |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 383.9 | PLN | DTVPLN -DTVP0414 |
| 20 | WFMJ-TV | YOUNGSTOWN OH | 383.9 | CP | BPCTD -19991027AAV |
| 20 | WJPR-DT | LYNCHBURG VA | 287.6 | PLN | DTVPLN -DTVP0422 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 19 of 29)

| | | | | | | |
|----|---------|--------------------|-------|--------|---------------|--------------|
| 20 | WWCW | LYNCHBURG VA | 287.6 | CP MOD | BMPCDT | -20080619AJT |
| 21 | WBOC-DT | SALISBURY MD | 134.6 | PLN | DTVPLN | -DTVPO441 |
| 21 | WBOC-TV | SALISBURY MD | 134.5 | LIC | BLCDT | -20060703ABR |
| 21 | WHP-TV | HARRISBURG PA | 155.5 | LIC | BLCT | -2171 |
| 21 | WVPY-DT | FRONT ROYAL VA | 107.9 | PLN | DTVPLN | -DTVPO461 |
| 22 | WMPT | ANNAPOLIS MD | 41.4 | LIC | BLET | -20030903ABE |
| 24 | WUTB | BALTIMORE MD | 46.2 | LIC | BLCT | -19860103KG |
| 24 | WNVC | FAIRFAX VA | 15.2 | CP MOD | BMPEDT | -20080609ACI |
| 27 | WETA-TV | WASHINGTON DC | 0.7 | LIC | BLEDT | -20070727ACJ |
| 27 | WETA-DT | WASHINGTON DC | 2.1 | PLN | DTVPLN | -DTVPO667 |
| 27 | WHTM-TV | HARRISBURG PA | 151.6 | LIC | BLCT | -19960626KF |
| 28 | WFPT | FREDERICK MD | 39.2 | LIC | BLEDT | -20050302AEG |
| 28 | WFPT-DT | FREDERICK MD | 44.1 | PLN | DTVPLN | -DTVPO713 |
| 34 | WUSA | WASHINGTON DC | 0.7 | LIC | BLCDT | -20040206AAS |
| 34 | WUSA-DT | WASHINGTON DC | 0.7 | PLN | DTVPLN | -DTVPO930 |
| 35 | WDCA | WASHINGTON DC | 0.0 | CP MOD | BMPCDT | -20060519ACK |
| 35 | WDCA-DT | WASHINGTON DC | 2.1 | PLN | DTVPLN | -DTVPO968 |
| 35 | WYBE | PHILADELPHIA PA | 199.1 | LIC | BLET | -20030317DRA |
| 35 | WRLH-TV | RICHMOND VA | 170.0 | LIC | BLCT | -19870930LA |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 162.7 | APP | USERRECORD-01 | |

Proposal causes no interference
#####

Analysis of Interference to Affected Station 16

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|---------------|----------------------|
| 20 | WDCA | WASHINGTON DC | BLCT -2091 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 16 | WJAL-DT | HAGERSTOWN MD | 127.0 | PLN | DTVPLN -DTVPO223 |
| 16 | WJAL-TV | SILVER SPRING MD | 3.3 | APP | BPRM -20021003ACN |
| 19 | WCAV | CHARLOTTESVILLE VA | 161.8 | LIC | BLCT -20040813AAJ |
| 20 | WUND-DT | COLUMBIA NC | 347.0 | PLN | DTVPLN -DTVPO407 |
| 20 | WUND-TV | EDENTON NC | 347.0 | LIC | BLEDT -20070307ABK |
| 20 | WNYI | ITHACA NY | 388.6 | APP | BPRM -20060619ABW |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 381.9 | PLN | DTVPLN -DTVPO414 |
| 20 | WFMJ-TV | YOUNGSTOWN OH | 381.9 | CP | BPCDT -19991027AAV |
| 20 | WJPR-DT | LYNCHBURG VA | 286.7 | PLN | DTVPLN -DTVPO422 |
| 20 | WWCW | LYNCHBURG VA | 286.6 | CP MOD | BMPCDT -20080619AJT |
| 21 | WBOC-DT | SALISBURY MD | 136.6 | PLN | DTVPLN -DTVPO441 |
| 21 | WBOC-TV | SALISBURY MD | 136.6 | LIC | BLCDT -20060703ABR |
| 21 | WHP-TV | HARRISBURG PA | 154.9 | LIC | BLCT -2171 |
| 21 | WVPY-DT | FRONT ROYAL VA | 106.0 | PLN | DTVPLN -DTVPO461 |
| 22 | WMPT | ANNAPOLIS MD | 43.1 | LIC | BLET -20030903ABE |
| 24 | WUTB | BALTIMORE MD | 46.7 | LIC | BLCT -19860103KG |
| 24 | WNVC | FAIRFAX VA | 14.2 | CP MOD | BMPEDT -20080609ACI |
| 27 | WETA-TV | WASHINGTON DC | 2.6 | LIC | BLEDT -20070727ACJ |
| 27 | WETA-DT | WASHINGTON DC | 0.0 | PLN | DTVPLN -DTVPO667 |
| 27 | WHTM-TV | HARRISBURG PA | 150.9 | LIC | BLCT -19960626KF |
| 28 | WFPT | FREDERICK MD | 37.5 | LIC | BLEDT -20050302AEG |
| 28 | WFPT-DT | FREDERICK MD | 42.5 | PLN | DTVPLN -DTVPO713 |
| 34 | WUSA | WASHINGTON DC | 2.6 | LIC | BLCDT -20040206AAS |
| 34 | WUSA-DT | WASHINGTON DC | 2.6 | PLN | DTVPLN -DTVPO930 |
| 35 | WDCA | WASHINGTON DC | 2.1 | CP MOD | BMPCDT -20060519ACK |
| 35 | WDCA-DT | WASHINGTON DC | 0.0 | PLN | DTVPLN -DTVPO968 |
| 35 | WYBE | PHILADELPHIA PA | 200.1 | LIC | BLET -20030317DRA |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 20 of 29)

| | | | | | | |
|----|---------|--------------------|-------|-----|---------------|-------------|
| 35 | WRLH-TV | RICHMOND VA | 170.1 | LIC | BLCT | -19870930LA |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 161.8 | APP | USERRECORD-01 | |

Proposal causes no interference

#####

Analysis of Interference to Affected Station 17

DTV Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|--------------|----------------------|
| 20 | WJPR-DT | LYNCHBURG VA | DTVPLN -DTVPO422 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 19 | WBFX-DT | LEXINGTON NC | 151.2 | PLN | DTVPLN -DTVPO361 |
| 20 | WDCA | WASHINGTON DC | 286.7 | PLN | DTVPLN -NPLN1071 |
| 20 | WUND-DT | COLUMBIA NC | 332.9 | PLN | DTVPLN -DTVPO407 |
| 20 | WBFX | LEXINGTON NC | 151.2 | PLN | DTVPLN -NPLN1085 |
| 20 | WOUBTV | ATHENS OH | 311.7 | PLN | DTVPLN -NPLN1087 |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 426.7 | PLN | DTVPLN -DTVPO414 |
| 20 | WMWB-DT | FLORENCE SC | 329.7 | PLN | DTVPLN -DTVPO416 |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN -DTVPO461 |
| 21 | WJPR | LYNCHBURG VA | 0.0 | PLN | DTVPLN -NPLN1129 |

Results for: 20A VA LYNCHBURG DTVPLN DTVPO422 PLN

HAAT 500.0 m, ATV ERP 186.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 830707 | 24701.7 |
| not affected by terrain losses | 718072 | 20425.7 |
| lost to NTSC IX | 74455 | 1864.5 |
| lost to additional IX by ATV | 490 | 59.9 |
| lost to ATV IX only | 10007 | 171.7 |
| lost to all IX | 74945 | 1924.4 |

NTSC Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|------|--------------|----------------------|
| 21 | WJPR | LYNCHBURG VA | DTVPLN -NPLN1129 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 14 | WHTJ-DT | CHARLOTTESVILLE VA | 125.1 | PLN | DTVPLN -DTVPO152 |
| 17 | WFXR-DT | ROANOKE VA | 48.2 | PLN | DTVPLN -DTVPO285 |
| 18 | WDBJ-DT | ROANOKE VA | 48.3 | PLN | DTVPLN -DTVPO331 |
| 20 | WBFX | LEXINGTON NC | 151.2 | PLN | DTVPLN -NPLN1085 |
| 20 | WJPR-DT | LYNCHBURG VA | 0.0 | PLN | DTVPLN -DTVPO422 |
| 21 | WAOM-DT | MOREHEAD KY | 346.4 | PLN | DTVPLN -DTVPO440 |
| 21 | WBOC-DT | SALISBURY MD | 373.8 | PLN | DTVPLN -DTVPO441 |
| 21 | WHNS | ASHVILLE NC | 362.2 | PLN | DTVPLN -NPLN1115 |
| 21 | WYDO-DT | GREENVILLE NC | 290.6 | PLN | DTVPLN -DTVPO446 |
| 21 | WMWB | FLORENCE SC | 329.7 | PLN | DTVPLN -NPLN1125 |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN -DTVPO461 |
| 21 | NEW | VIRGINIA BEACH VA | 315.5 | PLN | DTVPLN -NPLN1130 |
| 22 | WLFL | RALEIGH NC | 192.8 | PLN | DTVPLN -NPLN1148 |
| 22 | WRIC-DT | PETERSBURG VA | 180.6 | PLN | DTVPLN -DTVPO509 |
| 24 | WDRLT | DANVILLE VA | 91.2 | PLN | DTVPLN -NPLN1230 |
| 29 | WXLV-DT | WINSTON-SALEM NC | 123.6 | PLN | DTVPLN -DTVPO751 |
| 29 | WVIRTV | CHARLOTTESVILLE VA | 125.3 | PLN | DTVPLN -NPLN1369 |
| 35 | WRLH-TV | RICHMOND VA | 171.8 | PLN | DTVPLN -NPLN1509 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 21 of 29)

| | | | | | | |
|----|---------|-------------------|-------|-----|--------|------------|
| 36 | WUNPTV | ROANOKE RAPIDS NC | 196.6 | PLN | DTVPLN | -NPLN1523 |
| 36 | WEFC-DT | ROANOKE VA | 48.6 | PLN | DTVPLN | -DTVPO1036 |

| | | | | |
|--------------------------------|--------|------------|--------------|-----|
| Results for: 21N VA LYNCHBURG | | DTVPLN | NPLN1129 | PLN |
| | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 830606 | 24701.8 | | |
| not affected by terrain losses | 658135 | 19124.3 | | |
| lost to NTSC IX | 30305 | 634.8 | | |
| lost to additional IX by ATV | 44163 | 267.5 | | |
| lost to all IX | 74468 | 902.3 | | |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------|-------------|-----------|
| 20 | WJPR-DT | LYNCHBURG VA | DTVPLN | -DTVPO422 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 19 | WBFX-DT | LEXINGTON NC | 151.2 | PLN | DTVPLN | -DTVPO361 |
| 19 | WCWG | LEXINGTON NC | 162.4 | LIC | BLCDT | -20070418ACV |
| 20 | WDCA | WASHINGTON DC | 287.6 | CP | BMXPCT | -20060519ACH |
| 20 | NEW | LEXINGTON KY | 410.9 | ADD | BPRM | -20000717ADO |
| 20 | WUND-DT | COLUMBIA NC | 332.9 | PLN | DTVPLN | -DTVPO407 |
| 20 | WUND-TV | EDENTON NC | 333.1 | LIC | BLEDT | -20070307ABK |
| 20 | WCWG | LEXINGTON NC | 162.4 | LIC | BLCT | -20010503AAW |
| 20 | WOUB-TV | ATHENS OH | 311.9 | LIC | BMLET | -20020807ACG |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 426.7 | PLN | DTVPLN | -DTVPO414 |
| 20 | WFMJ-TV | YOUNGSTOWN OH | 426.8 | CP | BPCDT | -19991027AAV |
| 20 | WWMB | FLORENCE SC | 329.7 | LIC | BLCDT | -20030122AAT |
| 20 | WWMB-DT | FLORENCE SC | 329.7 | PLN | DTVPLN | -DTVPO416 |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN | -DTVPO461 |
| 21 | WWCW | LYNCHBURG VA | 0.0 | LIC | BLCT | -19930513KE |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 125.4 | APP | USERRECORD-01 | |

Total scenarios = 2

Result key: 22
Scenario 1 Affected station 17
Before Analysis

| | | | | |
|--------------------------------|--------|------------|--------------|-----|
| Results for: 20A VA LYNCHBURG | | DTVPLN | DTVPO422 | PLN |
| | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 830707 | 24701.7 | | |
| not affected by terrain losses | 718072 | 20425.7 | | |
| lost to NTSC IX | 88054 | 2575.2 | | |
| lost to additional IX by ATV | 694 | 31.9 | | |
| lost to ATV IX only | 28509 | 423.2 | | |
| lost to all IX | 88748 | 2607.1 | | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-------------------|--------|-------------|-----|
| 20N DC WASHINGTON | BMXPCT | 20060519ACH | CP |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC |
| 20N OH ATHENS | BMLET | 20020807ACG | LIC |
| 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| 20A NC COLUMBIA | DTVPLN | DTVPO407 | PLN |
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |

After Analysis

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 22 of 29)

| | | | | |
|--------------------------------|--------|------------|--------------|-----|
| Results for: 20A VA LYNCHBURG | | DTVPLN | DTVPO422 | PLN |
| | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 830707 | 24701.7 | | |
| not affected by terrain losses | 718072 | 20425.7 | | |
| lost to NTSC IX | 88054 | 2575.2 | | |
| lost to additional IX by ATV | 2645 | 247.5 | | |
| lost to ATV IX only | 30898 | 714.7 | | |
| lost to all IX | 90699 | 2822.7 | | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------------|--------------|-------------|-----|
| 20N DC WASHINGTON | BMXPCT | 20060519ACH | CP |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC |
| 20N OH ATHENS | BMLET | 20020807ACG | LIC |
| 19A NC LEXINGTON | BLCDT | 20070418ACV | LIC |
| 20A NC COLUMBIA | DTVPLN | DTVPO407 | PLN |
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | | APP |

Percent new IX = 0.3034%

Worst case new IX 0.3034% Scenario 1

#####

Analysis of Interference to Affected Station 18

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------|-------------|--------------|
| 20 | WWCW | LYNCHBURG VA | BMPCDT | -20080619AJT |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 19 | WBFX-DT | LEXINGTON NC | 151.2 | PLN | DTVPLN | -DTVPO361 |
| 19 | WCWG | LEXINGTON NC | 162.4 | LIC | BLCDT | -20070418ACV |
| 20 | WDCA | WASHINGTON DC | 287.6 | CP | BMXPCT | -20060519ACH |
| 20 | NEW | LEXINGTON KY | 410.9 | ADD | BPRM | -20000717ADO |
| 20 | WUND-DT | COLUMBIA NC | 332.9 | PLN | DTVPLN | -DTVPO407 |
| 20 | WUND-TV | EDENTON NC | 333.0 | LIC | BLEDT | -20070307ABK |
| 20 | WCWG | LEXINGTON NC | 162.4 | LIC | BLCT | -20010503AAW |
| 20 | WOUB-TV | ATHENS OH | 311.9 | LIC | BMLET | -20020807ACG |
| 20 | WFMJ-DT | YOUNGSTOWN OH | 426.7 | PLN | DTVPLN | -DTVPO414 |
| 20 | WFMJ-TV | YOUNGSTOWN OH | 426.8 | CP | BPCDT | -19991027AAV |
| 20 | WWMB | FLORENCE SC | 329.7 | LIC | BLCDT | -20030122AAT |
| 20 | WWMB-DT | FLORENCE SC | 329.7 | PLN | DTVPLN | -DTVPO416 |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN | -DTVPO461 |
| 21 | WWCW | LYNCHBURG VA | 0.0 | LIC | BLCT | -19930513KE |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 125.3 | APP | USERRECORD-01 | |

Total scenarios = 4

Result key: 25
Scenario 2 Affected station 18
Before Analysis

| | | | | |
|--------------------------------|--------|------------|--------------|----|
| Results for: 20A VA LYNCHBURG | | BMPCDT | 20080619AJT | CP |
| | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 830707 | 24701.7 | | |
| not affected by terrain losses | 718072 | 20425.7 | | |
| lost to NTSC IX | 88054 | 2575.2 | | |
| lost to additional IX by ATV | 694 | 31.9 | | |
| lost to ATV IX only | 28509 | 423.2 | | |
| lost to all IX | 88748 | 2607.1 | | |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 23 of 29)

| | | | |
|---|---------|-------------|-----|
| within Noise Limited Contour | 1231627 | 38520.1 | |
| not affected by terrain losses | 1072613 | 32207.4 | |
| lost to NTSC IX | 208289 | 5397.2 | |
| lost to additional IX by ATV | 899 | 36.0 | |
| lost to ATV IX only | 4356 | 275.9 | |
| lost to all IX | 209188 | 5433.2 | |
| Potential Interfering Stations Included in above Scenario 2 | | | |
| 20N DC WASHINGTON | BMXPCT | 20060519ACH | CP |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC |
| 20N OH ATHENS | BMLET | 20020807ACG | LIC |
| 19A NC LEXINGTON | DTVPLN | DTVP0361 | PLN |
| 20A NC EDENTON | BLEDT | 20070307ABK | LIC |
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |

After Analysis

| | | | |
|---|------------------|--------------|-----|
| Results for: 20A VA LYNCHBURG | | | |
| HAAT | 500.0 m, ATV ERP | 916.0 kW | |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 1231627 | 38520.1 | |
| not affected by terrain losses | 1072613 | 32207.4 | |
| lost to NTSC IX | 208289 | 5397.2 | |
| lost to additional IX by ATV | 2848 | 231.9 | |
| lost to ATV IX only | 7256 | 587.7 | |
| lost to all IX | 211137 | 5629.1 | |
| Potential Interfering Stations Included in above Scenario 2 | | | |
| 20N DC WASHINGTON | BMXPCT | 20060519ACH | CP |
| 20N NC LEXINGTON | BLCT | 20010503AAW | LIC |
| 20N OH ATHENS | BMLET | 20020807ACG | LIC |
| 19A NC LEXINGTON | DTVPLN | DTVP0361 | PLN |
| 20A NC EDENTON | BLEDT | 20070307ABK | LIC |
| 20A SC FLORENCE | BLCDT | 20030122AAT | LIC |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | | APP |

Percent new IX = 0.3031%

Worst case new IX 0.3031% Scenario 2

#####

Analysis of Interference to Affected Station 19

NTSC Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|------|--------------|----------------------|
| 21 | WJPR | LYNCHBURG VA | DTVPLN -NPLN1129 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 14 | WHTJ-DT | CHARLOTTESVILLE VA | 125.1 | PLN | DTVPLN -DTVP0152 |
| 17 | WFXX-DT | ROANOKE VA | 48.2 | PLN | DTVPLN -DTVP0285 |
| 18 | WDBJ-DT | ROANOKE VA | 48.3 | PLN | DTVPLN -DTVP0331 |
| 20 | WBFX | LEXINGTON NC | 151.2 | PLN | DTVPLN -NPLN1085 |
| 20 | WJPR-DT | LYNCHBURG VA | 0.0 | PLN | DTVPLN -DTVP0422 |
| 21 | WAOM-DT | MOREHEAD KY | 346.4 | PLN | DTVPLN -DTVP0440 |
| 21 | WBOC-DT | SALISBURY MD | 373.8 | PLN | DTVPLN -DTVP0441 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 24 of 29)

| | | | | | | |
|----|---------|--------------------|-------|-----|--------|-----------|
| 21 | WHNS | ASHEVILLE NC | 362.2 | PLN | DTVPLN | -NPLN1115 |
| 21 | WYDO-DT | GREENVILLE NC | 290.6 | PLN | DTVPLN | -DTVP0446 |
| 21 | WWMB | FLORENCE SC | 329.7 | PLN | DTVPLN | -NPLN1125 |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN | -DTVP0461 |
| 21 | NEW | VIRGINIA BEACH VA | 315.5 | PLN | DTVPLN | -NPLN1130 |
| 22 | WLFL | RALEIGH NC | 192.8 | PLN | DTVPLN | -NPLN1148 |
| 22 | WRIC-DT | PETERSBURG VA | 180.6 | PLN | DTVPLN | -DTVP0509 |
| 24 | WDRLTV | DANVILLE VA | 91.2 | PLN | DTVPLN | -NPLN1230 |
| 29 | WXLV-DT | WINSTON-SALEM NC | 123.6 | PLN | DTVPLN | -DTVP0751 |
| 29 | WVIRTV | CHARLOTTESVILLE VA | 125.3 | PLN | DTVPLN | -NPLN1369 |
| 35 | WRLHTV | RICHMOND VA | 171.8 | PLN | DTVPLN | -NPLN1509 |
| 36 | WUNPTV | ROANOKE RAPIDS NC | 196.6 | PLN | DTVPLN | -NPLN1523 |
| 36 | WEFC-DT | ROANOKE VA | 48.6 | PLN | DTVPLN | -DTVP1036 |

| | | | | | |
|--------------------------------|--|--------------|--------|----------|-----|
| Results for: 21N VA LYNCHBURG | | POPULATION | DTVPLN | NPLN1129 | PLN |
| | | AREA (sq km) | | | |
| within Noise Limited Contour | | 830606 | | 24701.8 | |
| not affected by terrain losses | | 658135 | | 19124.3 | |
| lost to NTSC IX | | 30305 | | 634.8 | |
| lost to additional IX by ATV | | 44163 | | 267.5 | |
| lost to all IX | | 74468 | | 902.3 | |

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|--------------|----------------------|
| 21 | WWCW | LYNCHBURG VA | BLCT -19930513KE |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|----------|--------------------|----------|--------|----------------------|
| 14 | WGFX | BURLINGTON NC | 119.2 | LIC | BLCDT -20060418ADO |
| 14 | WHTJ-DT | CHARLOTTESVILLE VA | 125.1 | PLN | DTVPLN -DTVP0152 |
| 17 | WFXX-DT | ROANOKE VA | 48.2 | PLN | DTVPLN -DTVP0285 |
| 17 | WFXX-TV | ROANOKE VA | 48.1 | CP | BPCT -20080619AJU |
| 18 | WDBJ-DT | ROANOKE VA | 48.3 | PLN | DTVPLN -DTVP0331 |
| 19 | WCAV | CHARLOTTESVILLE VA | 125.4 | LIC | BLCT -20040813AAJ |
| 20 | WCWG | LEXINGTON NC | 162.4 | LIC | BLCT -20010503AAW |
| 20 | WJPR-DT | LYNCHBURG VA | 0.0 | PLN | DTVPLN -DTVP0422 |
| 20 | WWCW | LYNCHBURG VA | 0.0 | CP MOD | BMPCDT -20080619AJT |
| 21 | WUPX-TV | MOREHEAD KY | 358.2 | LIC | BLCDT -20040901ACJ |
| 21 | WAOM-DT | MOREHEAD KY | 346.4 | PLN | DTVPLN -DTVP0440 |
| 21 | WBOC-DT | SALISBURY MD | 373.8 | PLN | DTVPLN -DTVP0441 |
| 21 | WBOC-TV | SALISBURY MD | 373.7 | LIC | BLCDT -20060703ABR |
| 21 | WYDO-DT | GREENVILLE NC | 290.6 | PLN | DTVPLN -DTVP0446 |
| 21 | WWMB | FLORENCE SC | 329.7 | LIC | BLCT -19941005KG |
| 21 | WHNS | GREENVILLE SC | 362.2 | LIC | BMLCT -20030912AAE |
| 21 | WHNS | GREENVILLE SC | 362.2 | CP | BPCT -20080225ABE |
| 21 | WVPY-DT | FRONT ROYAL VA | 214.8 | PLN | DTVPLN -DTVP0461 |
| 21 | 960724LE | VIRGINIA BEACH VA | 283.3 | APP | BPCT -19960724LE |
| 21 | 960724LL | VIRGINIA BEACH VA | 327.5 | APP | BPCT -19960724LL |
| 21 | 960724LD | VIRGINIA BEACH VA | 308.0 | APP | BPCT -19960724LD |
| 21 | 960724LM | VIRGINIA BEACH VA | 317.7 | APP | BPCT -19960724LM |
| 21 | 960919KO | VIRGINIA BEACH VA | 308.0 | APP | BPCT -19960919KO |
| 21 | 960925KE | VIRGINIA BEACH VA | 314.2 | APP | BPCT -19960925KE |
| 21 | 961001XL | VIRGINIA BEACH VA | 282.4 | APP | BPCT -19961001XL |
| 21 | 961001XY | VIRGINIA BEACH VA | 303.1 | APP | BPCT -19961001XY |
| 21 | 960718KR | VIRGINIA BEACH VA | 315.2 | APP | BPCT -19960718KR |
| 21 | 960404LP | VIRGINIA BEACH VA | 301.9 | APP | BPCT -19960404LP |
| 21 | 960111LA | VIRGINIA BEACH VA | 315.5 | APP | BPCT -19960111LA |
| 21 | WHRE | VIRGINIA BEACH VA | 283.3 | LIC | BLCT -20060329AGW |
| 21 | 960723KW | VIRGINIA BEACH VA | 315.5 | APP | BPCT -19960723KW |
| 22 | WLFL | RALEIGH NC | 192.8 | LIC | BLCT -19861113KR |
| 22 | WRIC-DT | PETERSBURG VA | 180.6 | PLN | DTVPLN -DTVP0509 |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 25 of 29)

| | | | | | | |
|----|---------|--------------------|-------|-----|---------------|--------------|
| 22 | WRIC-TV | PETERSBURG VA | 180.6 | CP | BPCDT | -20080618ADU |
| 24 | WDRL-TV | DANVILLE VA | 34.9 | CP | BPCDT | -20080317AIL |
| 24 | WDRL-TV | DANVILLE VA | 91.2 | LIC | BLCT | -19940818KF |
| 24 | WDRL-TV | DANVILLE VA | 91.6 | APP | BPCT | -20071204ADC |
| 24 | WDRL-TV | DANVILLE VA | 91.6 | APP | BSTA | -20080807AAS |
| 24 | WDRL-TV | DANVILLE VA | 91.6 | APP | BSTA | -20071210ACM |
| 29 | WXLV-DT | WINSTON-SALEM NC | 123.6 | PLN | DTVPLN | -DTVP0751 |
| 29 | WVIR-TV | CHARLOTTESVILLE VA | 125.3 | LIC | BLCT | -19930210KE |
| 29 | WVIR-TV | CHARLOTTESVILLE VA | 125.3 | APP | BSTA | -20071113AIU |
| 35 | WRLH-TV | RICHMOND VA | 171.8 | LIC | BLCT | -19870930LA |
| 36 | WUNP-TV | ROANOKE RAPIDS NC | 196.6 | LIC | BMLET | -20041104ARP |
| 36 | WPXR | ROANOKE VA | 48.4 | LIC | BLCDT | -20020510AAB |
| 36 | WEFC-DT | ROANOKE VA | 48.6 | PLN | DTVPLN | -DTVP1036 |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 125.4 | APP | USERRECORD-01 | |

Proposal causes no interference

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Analysis of Interference to Affected Station 20

NTSC Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|--------|-------------|-------------|-----------|
| 23 | WCVETV | RICHMOND VA | DTVPLN | -NPLN1195 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|-------------|-----------|
| 15 | WHRO-TV | HAMPTON-NORFOLK VA | 124.8 | PLN | DTVPLN | -NPLN0938 |
| 16 | WBOCTV | SALISBURY MD | 203.9 | PLN | DTVPLN | -NPLN0953 |
| 16 | WHRO-DT | HAMPTON-NORFOLK VA | 124.8 | PLN | DTVPLN | -DTVP0245 |
| 19 | WGNT-DT | PORTSMOUTH VA | 127.4 | PLN | DTVPLN | -DTVP0376 |
| 22 | WMPT | ANNAPOLIS MD | 187.6 | PLN | DTVPLN | -NPLN1145 |
| 22 | WRIC-DT | PETERSBURG VA | 0.0 | PLN | DTVPLN | -DTVP0509 |
| 23 | WBTU-DT | CHARLOTTE NC | 399.7 | PLN | DTVPLN | -DTVP0529 |
| 23 | WUNK-DT | GREENVILLE NC | 218.1 | PLN | DTVPLN | -DTVP0530 |
| 23 | WNJS | CAMDEN NJ | 343.4 | PLN | DTVPLN | -NPLN1182 |
| 23 | WATMTV | ALTOONA PA | 347.3 | PLN | DTVPLN | -NPLN1189 |
| 23 | WLYH-DT | LANCASTER PA | 321.1 | PLN | DTVPLN | -DTVP0539 |
| 24 | WDRL-TV | DANVILLE VA | 200.0 | PLN | DTVPLN | -NPLN1230 |
| 24 | WCVI-DT | RICHMOND VA | 0.0 | PLN | DTVPLN | -DTVP0588 |
| 25 | WTVR-DT | RICHMOND VA | 12.5 | PLN | DTVPLN | -DTVP0622 |
| 26 | WRLH-DT | RICHMOND VA | 8.8 | PLN | DTVPLN | -DTVP0657 |
| 27 | WGNT | PORTSMOUTH VA | 127.4 | PLN | DTVPLN | -NPLN1319 |
| 30 | WRAVTV | WILSON NC | 193.1 | PLN | DTVPLN | -NPLN1384 |
| 30 | WNVTV | GOLDVEIN VA | 124.8 | PLN | DTVPLN | -DTVP0806 |
| 31 | WAVY-DT | PORTSMOUTH VA | 123.5 | PLN | DTVPLN | -DTVP0846 |
| 38 | NEW | GREENVILLE NC | 230.7 | PLN | DTVPLN | -NPLN1548 |
| 38 | WTVZ-DT | NORFOLK VA | 124.8 | PLN | DTVPLN | -DTVP1074 |
| 38 | WEFC | ROANOKE VA | 228.6 | PLN | DTVPLN | -NPLN1553 |

| Results for: 23N VA RICHMOND | | | DTVPLN | NPLN1195 | PLN |
|--------------------------------|--|--|------------|--------------|-----|
| | | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | | | 1108667 | 21981.0 | |
| not affected by terrain losses | | | 1107690 | 21920.5 | |
| lost to NTSC IX | | | 1650 | 52.4 | |
| lost to additional IX by ATV | | | 8 | 4.0 | |
| lost to all IX | | | 1658 | 56.4 | |

Analysis of current record

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

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 26 of 29)

| | | | | |
|----|---------|-------------|------|--------------|
| 23 | WCVI-TV | RICHMOND VA | BLET | -20030520AKD |
|----|---------|-------------|------|--------------|

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|----------|--------------------|----------|--------|---------------|--------------|
| 15 | WHRO-TV | HAMPTON-NORFOLK VA | 124.8 | LIC | BLET | -19980608KE |
| 16 | WBOC-TV | SALISBURY MD | 203.9 | LIC | BLCT | -20000918ABE |
| 16 | WHRO-TV | HAMPTON-NORFOLK VA | 124.8 | LIC | BLEDT | -20020604AAB |
| 16 | WHRO-DT | HAMPTON-NORFOLK VA | 124.8 | PLN | DTVPLN | -DTVP0245 |
| 19 | WGNT-DT | PORTSMOUTH VA | 127.4 | PLN | DTVPLN | -DTVP0376 |
| 21 | 960724LE | VIRGINIA BEACH VA | 124.8 | APP | BPCT | -19960724LE |
| 21 | 961001XL | VIRGINIA BEACH VA | 123.4 | APP | BPCT | -19961001XL |
| 21 | 961001XY | VIRGINIA BEACH VA | 140.0 | APP | BPCT | -19961001XY |
| 21 | WHRE | VIRGINIA BEACH VA | 124.8 | LIC | BLCT | -20060329AGW |
| 22 | WMPT | ANNAPOLIS MD | 187.6 | LIC | BLET | -20030903ABE |
| 22 | WRIC-DT | PETERSBURG VA | 0.0 | PLN | DTVPLN | -DTVP0509 |
| 22 | WRIC-TV | PETERSBURG VA | 0.0 | CP | BPCDT | -20080618ADU |
| 23 | WBTU-DT | CHARLOTTE NC | 399.7 | PLN | DTVPLN | -DTVP0529 |
| 23 | WUNK-DT | GREENVILLE NC | 218.1 | PLN | DTVPLN | -DTVP0530 |
| 23 | WUNK-TV | GREENVILLE NC | 217.8 | LIC | BLEDT | -20021007ABG |
| 23 | WNJS | CAMDEN NJ | 343.4 | LIC | BLET | -20070611AAZ |
| 23 | WNJS | CAMDEN NJ | 343.4 | APP | BSTA | -20070511ACA |
| 23 | WATM-TV | ALTOONA PA | 347.4 | LIC | BLCT | -19990311KG |
| 23 | WLYH-TV | LANCASTER PA | 321.1 | LIC | BLCDT | -20040922AAC |
| 23 | WLYH-DT | LANCASTER PA | 321.1 | PLN | DTVPLN | -DTVP0539 |
| 24 | WDRL-TV | DANVILLE VA | 183.0 | CP | BPCDT | -20080317AIL |
| 24 | WDRL-TV | DANVILLE VA | 200.0 | LIC | BLCT | -19940818KF |
| 24 | WDRL-TV | DANVILLE VA | 200.2 | APP | BPCT | -20071204ADC |
| 24 | WDRL-TV | DANVILLE VA | 200.2 | APP | BSTA | -20080807AAS |
| 24 | WDRL-TV | DANVILLE VA | 200.2 | APP | BSTA | -20071210ACM |
| 24 | WNVC | FAIRFAX VA | 154.9 | CP MOD | BMPEDT | -20080609ACI |
| 24 | WCVI-DT | RICHMOND VA | 0.0 | PLN | DTVPLN | -DTVP0588 |
| 25 | WTVR-TV | RICHMOND VA | 0.0 | LIC | BLCDT | -20021204ABA |
| 25 | WTVR-DT | RICHMOND VA | 12.5 | PLN | DTVPLN | -DTVP0622 |
| 26 | WRLH-DT | RICHMOND VA | 8.8 | PLN | DTVPLN | -DTVP0657 |
| 26 | WRLH-TV | RICHMOND VA | 0.0 | CP MOD | BMPEDT | -20040507ABE |
| 27 | WGNT | PORTSMOUTH VA | 127.4 | LIC | BMLET | -20020718AAB |
| 30 | WRAV-TV | WILSON NC | 193.1 | LIC | BLCT | -20041103AAV |
| 30 | WNVTV | GOLDVEIN VA | 124.9 | LIC | BLEDT | -20031230AAR |
| 30 | WNVTV | GOLDVEIN VA | 124.8 | PLN | DTVPLN | -DTVP0806 |
| 31 | WAVY-DT | PORTSMOUTH VA | 123.4 | PLN | DTVPLN | -DTVP0846 |
| 38 | WTVZ-DT | NORFOLK VA | 124.8 | PLN | DTVPLN | -DTVP1074 |
| 38 | WTVZ-TV | NORFOLK VA | 124.8 | LIC | BLCDT | -20061207ABJ |
| 38 | WPXR | ROANOKE VA | 228.6 | LIC | BLCT | -20030905ACH |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 93.4 | APP | USERRECORD-01 | |

Total scenarios = 2

| | |
|-----------------|-----------------------|
| Result key: | 29 |
| Scenario | 2 Affected station 20 |
| Before Analysis | |

| Results for: 23N VA RICHMOND | | | BLET | 20030520AKD | LIC |
|--------------------------------|--|--|------------|--------------|-----|
| | | | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | | | 1101547 | 21751.4 | |
| not affected by terrain losses | | | 1100153 | 21699.0 | |
| lost to NTSC IX | | | 79 | 12.1 | |
| lost to additional IX by ATV | | | 6503 | 137.0 | |
| lost to all IX | | | 6582 | 149.1 | |

Potential Interfering Stations Included in above Scenario 2

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 27 of 29)

| | | | |
|-------------------|-------|-------------|-----|
| 23N NJ CAMDEN | BLET | 20070611AAZ | LIC |
| 22A VA PETERSBURG | BPCDT | 20080618ADU | CP |
| 23A NC GREENVILLE | BLEDT | 20021007ABG | LIC |
| 23A PA LANCASTER | BLCDT | 20040922AAC | LIC |

After Analysis

| | | | |
|--------------------------------|------------|--------------|-----|
| Results for: 23N VA RICHMOND | BLET | 20030520AKD | LIC |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 1101547 | 21751.4 | |
| not affected by terrain losses | 1100153 | 21699.0 | |
| lost to NTSC IX | 79 | 12.1 | |
| lost to additional IX by ATV | 6543 | 141.1 | |
| lost to all IX | 6622 | 153.2 | |

Potential Interfering Stations Included in above Scenario 2

| | | | |
|------------------------|--------------|-------------|-----|
| 23N NJ CAMDEN | BLET | 20070611AAZ | LIC |
| 22A VA PETERSBURG | BPCDT | 20080618ADU | CP |
| 23A NC GREENVILLE | BLEDT | 20021007ABG | LIC |
| 23A PA LANCASTER | BLCDT | 20040922AAC | LIC |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | APP | |

Percent new IX = 0.0036%

Worst case new IX 0.0036% Scenario 2

#####

Analysis of Interference to Affected Station 21

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------------|-------------|--------------|
| 27 | WAHU-CA | CHARLOTTESVILLE VA | BLTTA | -20050124AGC |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------|----------|--------|-------------|--------------|
| 20 | WJPR-DT | LYNCHBURG VA | 125.1 | PLN | DTVPLN | -DTVPO422 |
| 20 | WWCW | LYNCHBURG VA | 125.1 | CP MOD | BMPCDT | -20080619AJT |
| 24 | WDRL-TV | DANVILLE VA | 144.5 | CP | BPCDT | -20080317AIL |
| 24 | WCVE-DT | RICHMOND VA | 93.5 | PLN | DTVPLN | -DTVPO588 |
| 25 | WTVR-TV | RICHMOND VA | 93.5 | LIC | BLCDT | -20021204ABA |
| 25 | WTVR-DT | RICHMOND VA | 99.9 | PLN | DTVPLN | -DTVPO622 |
| 26 | WRLH-DT | RICHMOND VA | 86.9 | PLN | DTVPLN | -DTVPO657 |
| 26 | WRLH-TV | RICHMOND VA | 93.5 | CP MOD | BMPCDT | -20040507ABE |
| 27 | WETA-TV | WASHINGTON DC | 162.8 | LIC | BLEDT | -20070727ACJ |
| 27 | WETA-DT | WASHINGTON DC | 162.1 | PLN | DTVPLN | -DTVPO667 |
| 27 | WCCB | CHARLOTTE NC | 362.5 | LIC | BLCDT | -20020227AAZ |
| 27 | WCCB-DT | CHARLOTTE NC | 362.7 | PLN | DTVPLN | -DTVPO676 |
| 27 | WRDC-DT | DURHAM NC | 256.4 | PLN | DTVPLN | -DTVPO677 |
| 27 | WGTW-DT | BURLINGTON NJ | 361.6 | PLN | DTVPLN | -DTVPO678 |
| 27 | WGTW-TV | BURLINGTON NJ | 361.9 | LIC | BLCDT | -20060105AAR |
| 27 | WOUB-TV | ATHENS OH | 350.9 | LIC | BLEDT | -20030411ABC |
| 27 | WOUB-DT | ATHENS OH | 350.8 | PLN | DTVPLN | -DTVPO683 |
| 27 | WKBN-TV | YOUNGSTOWN OH | 388.6 | LIC | BLCT | -20061018ACU |
| 27 | WHTM-TV | HARRISBURG PA | 291.0 | LIC | BLCT | -19960626KF |
| 27 | WKPT-DT | KINGSPORT TN | 366.5 | PLN | DTVPLN | -DTVPO689 |
| 27 | WKPT-TV | KINGSPORT TN | 366.5 | CP MOD | BMPCDT | -20050303AAJ |
| 27 | WFXR1 | LYNCHBURG VA | 97.0 | CP | BNPTTB | -19991203AAW |

Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 28 of 29)

| | | | | | | |
|----|----------|--------------------|-------|-----|---------------|--------------|
| 27 | WGNT | PORTSMOUTH VA | 220.9 | LIC | BMLCT | -20020718AAB |
| 27 | WFXR-TV | ROANOKE VA | 171.2 | LIC | BMLCT | -19940217KE |
| 28 | W28BF | HARRISONBURG VA | 52.0 | LIC | BLTT | -19951011IA |
| 30 | WNVTV | GOLDVEIN VA | 116.0 | LIC | BLEDT | -20031230AAR |
| 30 | WNVTV-DT | GOLDVEIN VA | 116.0 | PLN | DTVPLN | -DTVPO806 |
| 34 | WSET-DR | LYNCHBURG VA | 125.6 | LIC | BPRM | -20010525ADB |
| 34 | WSET-TV | LYNCHBURG VA | 125.6 | LIC | BLCDT | -20050824ABZ |
| 41 | WHTJ | CHARLOTTESVILLE VA | 0.1 | LIC | BLET | -19890421KE |
| 41 | WHTJ | CHARLOTTESVILLE VA | 0.1 | APP | BSTA | -20080722AAX |
| 42 | WVPY | FRONT ROYAL VA | 109.4 | LIC | BLET | -20070226AEU |
| 42 | WCVE-TV | RICHMOND VA | 93.6 | LIC | BLCDT | -20050606AHG |
| 42 | WCVE | RICHMOND VA | 93.5 | LIC | BPRM | -20000413AAL |
| 19 | WCAV-DT | CHARLOTTESVILLE VA | 0.3 | APP | USERRECORD-01 | |

Total scenarios = 2

Result key: 30
Scenario 1 Affected station 21
Before Analysis

| | | | |
|-------------------------------------|------------|--------------|-----|
| Results for: 27N VA CHARLOTTESVILLE | BLTTA | 20050124AGC | LIC |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 108352 | 1633.9 | |
| not affected by terrain losses | 107054 | 1518.1 | |
| lost to NTSC IX | 2460 | 207.7 | |
| lost to additional IX by ATV | 0 | 12.0 | |
| lost to all IX | 2460 | 219.7 | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------------|--------|-------------|-----|
| 27N VA PORTSMOUTH | BMLCT | 20020718AAB | LIC |
| 41N VA CHARLOTTESVILLE | BLET | 19890421KE | LIC |
| 26A VA RICHMOND | BMPCDT | 20040507ABE | CP |
| 27A DC WASHINGTON | BLEDT | 20070727ACJ | LIC |
| 27A NC DURHAM | DTVPLN | DTVPO677 | PLN |

After Analysis

| | | | |
|-------------------------------------|------------|--------------|-----|
| Results for: 27N VA CHARLOTTESVILLE | BLTTA | 20050124AGC | LIC |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 108352 | 1633.9 | |
| not affected by terrain losses | 107054 | 1518.1 | |
| lost to NTSC IX | 2460 | 207.7 | |
| lost to additional IX by ATV | 0 | 12.0 | |
| lost to all IX | 2460 | 219.7 | |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------------|--------------|-------------|-----|
| 27N VA PORTSMOUTH | BMLCT | 20020718AAB | LIC |
| 41N VA CHARLOTTESVILLE | BLET | 19890421KE | LIC |
| 26A VA RICHMOND | BMPCDT | 20040507ABE | CP |
| 27A DC WASHINGTON | BLEDT | 20070727ACJ | LIC |
| 27A NC DURHAM | DTVPLN | DTVPO677 | PLN |
| 19A VA CHARLOTTESVILLE | USERRECORD01 | APP | |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Table 1 WCAV-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 29 of 29)

Analysis of Interference to Affected Station 22

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|--------------------|----------------------|
| 19 | WCAV-DT | CHARLOTTESVILLE VA | USERRECORD-01 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|-------------|--------------|
| 18 | WDBJ-DT | ROANOKE VA | 171.6 | PLN | DTVPLN | -DTVPO331 |
| 19 | WUNM-TV | JACKSONVILLE NC | 336.0 | LIC | BLCT | -20020607AAA |
| 19 | WBFX-DT | LEXINGTON NC | 253.8 | PLN | DTVPLN | -DTVPO361 |
| 19 | WCWG | LEXINGTON NC | 263.8 | LIC | BLCDT | -20070418ACV |
| 19 | WPWC | JEANNETTE PA | 250.5 | LIC | BLCT | -20030512ABA |
| 19 | WKPT-TV | KINGSFORT TN | 366.8 | APP | BSTA | -20090209AMO |
| 19 | WKPT-TV | KINGSFORT TN | 366.8 | LIC | BLCT | -1933 |
| 19 | WGNT-DT | PORTSMOUTH VA | 220.7 | PLN | DTVPLN | -DTVPO376 |
| 19 | WVAH-TV | CHARLESTON WV | 302.6 | CP MOD | BMPCDT | -20040406AAx |
| 19 | WVAH-DT | CHARLESTON WV | 304.6 | PLN | DTVPLN | -DTVPO382 |
| 20 | WDCA | WASHINGTON DC | 162.7 | CP | BMXPCT | -20060519ACH |
| 20 | WJPR-DT | LYNCHBURG VA | 125.4 | PLN | DTVPLN | -DTVPO422 |
| 20 | WWCW | LYNCHBURG VA | 125.3 | CP MOD | BMPCDT | -20080619AJT |

Total scenarios = 4

Result key: 32
Scenario 1 Affected station 22
Before Analysis

| Results for: 19A VA CHARLOTTESVILLE | | USERRECORD01 | APP |
|-------------------------------------|------------------|--------------|--------------|
| HAAT | 326.0 m, ATV ERP | 155.0 kW | |
| | | POPULATION | AREA (sq km) |
| within Noise Limited Contour | | 626837 | 20688.3 |
| not affected by terrain losses | | 450484 | 17762.1 |
| lost to NTSC IX | | 662 | 56.1 |
| lost to additional IX by ATV | | 10659 | 208.3 |
| lost to ATV IX only | | 11030 | 224.3 |
| lost to all IX | | 11321 | 264.4 |

Potential Interfering Stations Included in above Scenario 1

| | | | | | |
|-----|----|--------------|--------|-------------|-----|
| 19N | NC | JACKSONVILLE | BLET | 20020607AAA | LIC |
| 19N | PA | JEANNETTE | BLCT | 20030512ABA | LIC |
| 18A | VA | ROANOKE | DTVPLN | DTV0P331 | PLN |
| 19A | NC | LEXINGTON | DTVPLN | DTV0P361 | PLN |
| 19A | VA | PORTSMOUTH | DTVPLN | DTV0P376 | PLN |
| 19A | WV | CHARLESTON | BMPCDT | 20040406AAX | CP |
| 20A | VA | LYNCHBURG | DTVPLN | DTV0P422 | PLN |

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED