

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV MAXIMIZATION APPLICATION
STATION WUNK-DT
GREENVILLE, NORTH CAROLINA
CH 23 1000 KW 351 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WUNK-DT for its "maximized" DTV operation at Greenville, North Carolina. This application requests a modification of construction permit (CP) for WUNK-DT digital television operation on channel 23 at Greenville with a non-directional effective radiated power of 1000 kilowatts.

Proposed Facilities

Station WUNK-DT proposes to operate DTV channel 23 from its licensed DTV site. The antenna height above average terrain for the channel 23 DTV operation will be 351 meters. The proposed WUNK-DT effective radiated power exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions for WUNK-DT.¹ Therefore, an allocation study was completed to ensure no prohibited interference would occur.

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

The proposed DTV transmitter site will be located atop the WUNK-TV tower. Therefore, the proposed site location is:

35° 33' 10" North Latitude

77° 36' 06" West Longitude

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

The Appendix contains the vertical plane radiation pattern for the proposed antenna system.

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

Population Served

The herein proposed WUNK-DT "maximized" facility is predicted to serve 1,686,131 persons, post-transition based upon the 2000 Census. WUNK-DT's associated Appendix B facility is predicted to serve 801,000 persons. Therefore, the herein proposed WUNK-DT facility would serve more than 100% of WUNK-DT's Appendix B population.

Allocation Considerations

The proposed WUNK-DT Channel 23 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other Appendix B DTV allotments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and published FCC guidelines for preparation of such interference analyses. The Longley-Rice interference analyses were conducted using the software developed by du Treil, Lundin & Rackley, Inc. based on the FCC published software routines.² Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed WUNK-DT facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.³

Radiofrequency Electromagnetic Field Exposure

The proposed WUNK-DT facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed WUNK-DT antenna is located 351 meters above ground level. The maximum

² The duTreil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed.

³ Interference analysis results reflect the net change in interference to a given station considering the interference predicted to occur from all other stations (i.e. "masking") including the allotment facility for WUNK-DT. This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.25 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.018 mW/cm². This is less than 5 percent of the Commission's recommended limit of 0.35 mW/cm² for channel 23 for an "uncontrolled" environment.

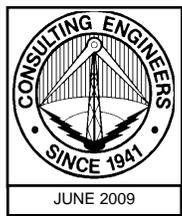
Access to the transmitting site is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed WUNK-DT operation appears to be otherwise categorically excluded from environmental processing.

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

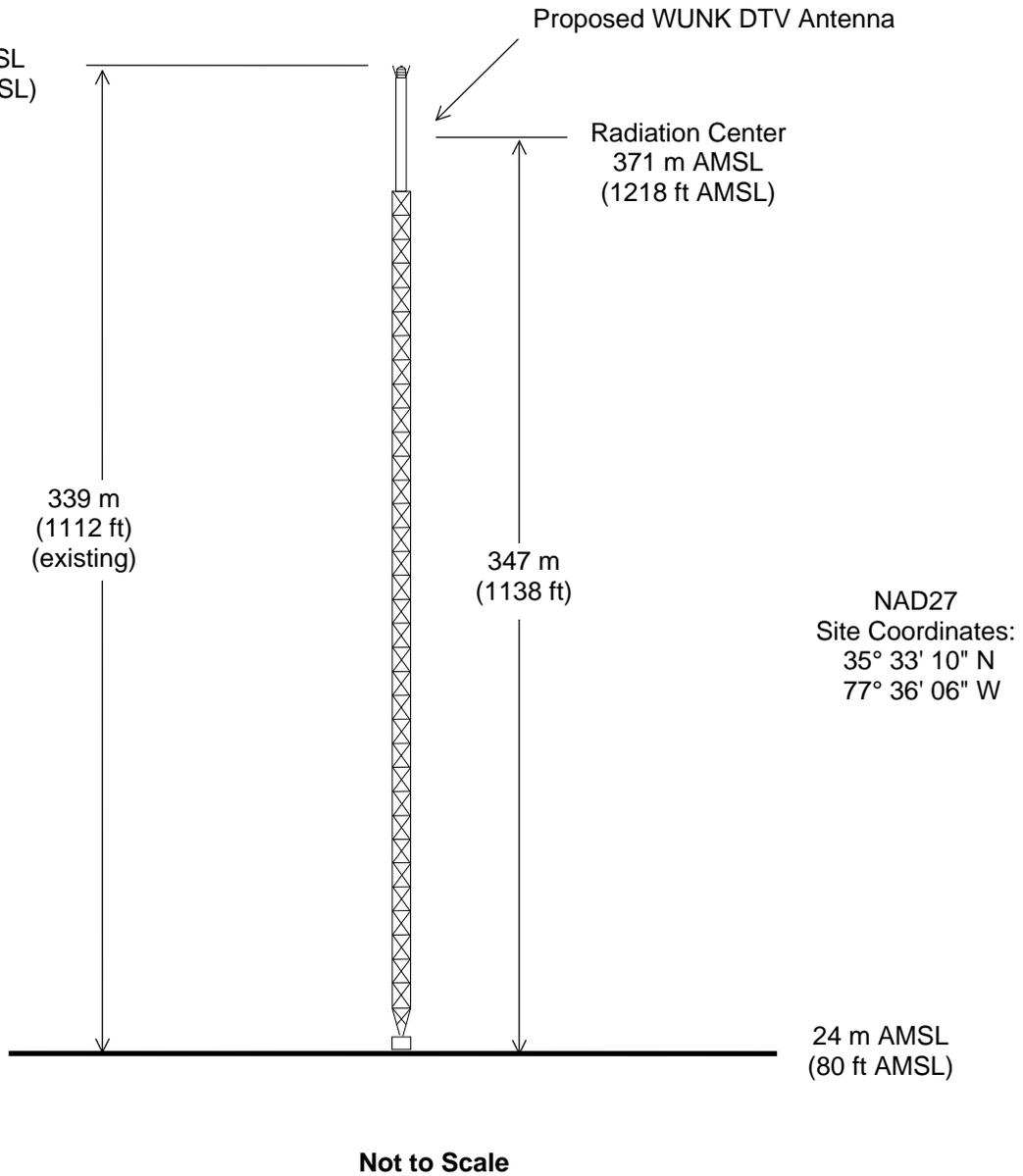
Charles Cooper

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

August 31, 2009



ASRN: 1014579

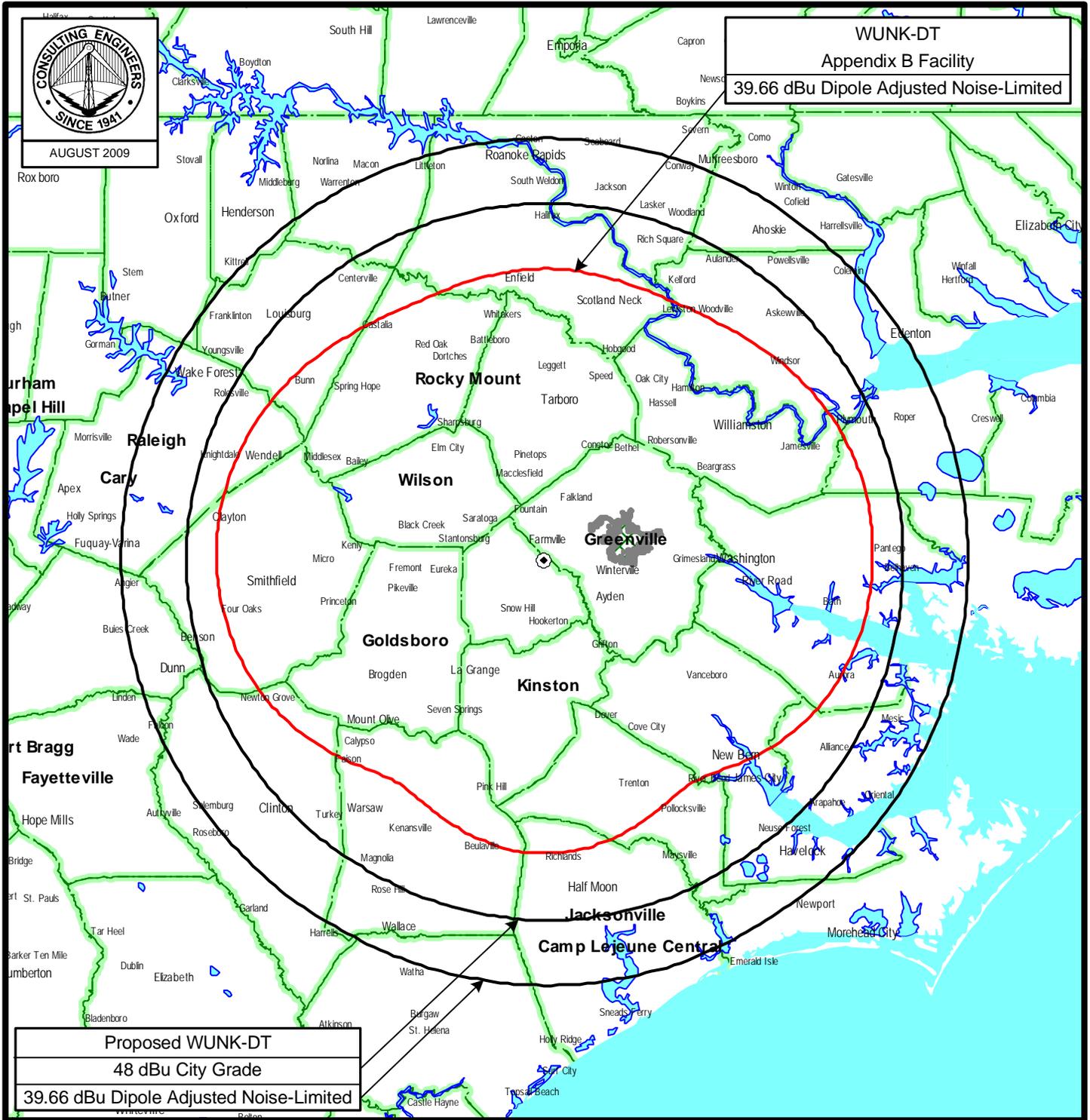


ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WUNK-DT
GREENVILLE, NORTH CAROLINA
CH 23 1000 KW 351 M

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

Figure 2



PREDICTED COVERAGE CONTOURS

DTV STATION WUNK-DT
GREENVILLE, NORTH CAROLINA
CH 23 1000 KW 351 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-31-2009 Time: 10:59:54

Record Selected for Analysis

WUNK USERRECORD-01 GREENVILLE NC US
Channel 23 ERP 1000. kW HAAT 350. m RCAMSL 00371 m
Latitude 035-33-10 Longitude 0077-36-06
Status APP Zone 2 Border
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	1000.000	348.8	101.7
45.0	1000.000	349.3	101.7
90.0	1000.000	352.1	101.9
135.0	1000.000	355.9	102.3
180.0	1000.000	353.1	102.0
225.0	1000.000	344.8	101.3
270.0	1000.000	347.6	101.5
315.0	1000.000	344.6	101.3

Evaluation toward Class A Stations

Contour overlap to Class A station
WITD-CA 23 CHESAPEAKE VA BLTTA 20060614AAE

Contour overlap to Class A station
WITD-CA 23 CHESAPEAKE VA BMPPTA 20060719ADY

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WUNK 23 GREENVILLE NC USERRECORD01

and station

SHORT TO: WUNK-TV 23 GREENVILLE NC DTVPLN DTVP0848
35 -33-10 77 -36-06
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Figure 3

Proposed facility OK to FCC Monitoring Stations
Proposed facility OK toward West Virginia quiet zone
Proposed facility OK toward Table Mountain
Proposed facility is beyond the Canadian coordination distance
Proposed facility is beyond the Mexican coordination distance
Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel Call City/State ARN
23 WUNK GREENVILLE NC USERRECORD01

Stations Potentially Affected by Proposed Station

Table with 7 columns: Chan, Call, City/State, Dist(km), Status, Application, Ref. No. Rows include WRIC-TV PETERSBURG VA, WBTV CHARLOTTE NC, WITD-CA CHESAPEAKE VA.

Analysis of Interference to Affected Station 1

Analysis of current record

Channel Call City/State Application Ref. No.
22 WRIC-TV PETERSBURG VA BLCDDT -20021112ACD

Stations Potentially Affecting This Station

Table with 7 columns: Chan, Call, City/State, Dist(km), Status, Application, Ref. No. Rows include WBOC-TV SALISBURY MD, WVPY FRONT ROYAL VA, WCNC-TV CHARLOTTE NC, WNJS CAMDEN NJ, WUNK-TV GREENVILLE NC.

Proposed station is beyond the site to nearest cell evaluation distance

Analysis of Interference to Affected Station 2

Analysis of current record

Figure 3

Channel	Call	City/State	Application	Ref. No.
22	WRIC-TV	PETERSBURG VA	DTVPLN	-DTVP0824

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	203.9	LIC	BLCDT	-20060703ABR
21	WBOC-TV	SALISBURY MD	203.9	PLN	DTVPLN	-DTVP0762
21	WBOC-TV	SALISBURY MD	203.9	CP	BPCDT	-20080620AFP
21	WVPY	FRONT ROYAL VA	173.0	PLN	DTVPLN	-DTVP0782
21	WVPY	FRONT ROYAL VA	173.0	CP	BPEDT	-20081022ACD
21	WVPY	FRONT ROYAL VA	173.0	LIC	BLEDT	-20021220ADZ
22	WCNC-TV	CHARLOTTE NC	399.7	APP	BPCDT	-20080617AEH
22	WCNC-TV	CHARLOTTE NC	399.7	PLN	DTVPLN	-DTVP0809
22	WCNC-TV	CHARLOTTE NC	399.7	LIC	BLCDT	-20031211ABN
22	WNJS	CAMDEN NJ	343.4	LIC	BLEDT	-20070611AAY
22	WNJS	CAMDEN NJ	343.4	PLN	DTVPLN	-DTVP0812
22	WNJS	CAMDEN NJ	343.4	CP	BPEDT	-20080620ALH
23	WUNK-TV	GREENVILLE NC	217.8	PLN	DTVPLN	-DTVP0848
23	WUNK	GREENVILLE NC	217.8	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WRIC-TV	PETERSBURG VA	BPCDT	-20080618ADU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	203.9	LIC	BLCDT	-20060703ABR
21	WBOC-TV	SALISBURY MD	203.9	PLN	DTVPLN	-DTVP0762
21	WBOC-TV	SALISBURY MD	203.9	CP	BPCDT	-20080620AFP
21	WVPY	FRONT ROYAL VA	173.0	PLN	DTVPLN	-DTVP0782
21	WVPY	FRONT ROYAL VA	173.0	CP	BPEDT	-20081022ACD
21	WVPY	FRONT ROYAL VA	173.0	LIC	BLEDT	-20021220ADZ
22	WCNC-TV	CHARLOTTE NC	399.7	APP	BPCDT	-20080617AEH
22	WCNC-TV	CHARLOTTE NC	399.7	PLN	DTVPLN	-DTVP0809
22	WCNC-TV	CHARLOTTE NC	399.7	LIC	BLCDT	-20031211ABN
22	WNJS	CAMDEN NJ	343.5	LIC	BLEDT	-20070611AAY
22	WNJS	CAMDEN NJ	343.5	PLN	DTVPLN	-DTVP0812
22	WNJS	CAMDEN NJ	343.5	CP	BPEDT	-20080620ALH
23	WUNK-TV	GREENVILLE NC	217.8	PLN	DTVPLN	-DTVP0848
23	WUNK	GREENVILLE NC	217.8	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WBTV	CHARLOTTE NC	BLCDT	-19991025AEB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	APP	BPCDT	-20080617AEH
22	WCNC-TV	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0809
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDT	-20031211ABN

Figure 3

23	WJSP-TV	COLUMBUS GA	427.2	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0835
23	WUNK-TV	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0848
23	WPXK	JELLICO TN	289.7	PLN	DTVPLN	-DTVP0856
23	WPXK-TV	JELLICO TN	289.7	LIC	BLCDT	-20020510AAJ
23	WPXK-TV	JELLICO TN	258.7	CP	BPCDT	-20080620AGZ
23	WSAZ-TV	HUNTINGTON WV	361.5	PLN	DTVPLN	-DTVP0865
23	WSAZ-TV	HUNTINGTON WV	361.5	CP MOD	BMPCDT	-20090416AWL
24	WNEG-TV	TOCCOA GA	215.5	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0875
23	WUNK	GREENVILLE NC	325.3	APP	USERRECORD-01	

Total scenarios = 18

Result key: 1
 Scenario 1 Affected station 4
 Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 1

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 1

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 2
 Scenario 2 Affected station 4
 Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Figure 3

Potential Interfering Stations Included in above Scenario 2

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 2

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 3
Scenario 3 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 3

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 3

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 4

Figure 3

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Scenario          4 Affected station          4
Before Analysis

Results for: 23A NC CHARLOTTE          BLCDT          19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW
                POPULATION          AREA (sq km)
within Noise Limited Contour          3731691          46359.0
not affected by terrain losses          3603825          44143.2
lost to NTSC IX                          0              0.0
lost to additional IX by ATV              4982            175.7
lost to ATV IX only                       4982            175.7
lost to all IX                            4982            175.7

Potential Interfering Stations Included in above Scenario          4

22A NC CHARLOTTE          DTVPLN          DTVP0809          PLN
23A TN JELLICO           BLCDT           20020510AAJ          LIC
23A WV HUNTINGTON        BMPCDT           20090416AWL          CP
23A NC GREENVILLE       DTVPLN          DTVP0848          PLN

After Analysis

Results for: 23A NC CHARLOTTE          BLCDT          19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW
                POPULATION          AREA (sq km)
within Noise Limited Contour          3731691          46359.0
not affected by terrain losses          3603825          44143.2
lost to NTSC IX                          0              0.0
lost to additional IX by ATV              16772           519.0
lost to ATV IX only                       16772           519.0
lost to all IX                            16772           519.0

Potential Interfering Stations Included in above Scenario          4

22A NC CHARLOTTE          DTVPLN          DTVP0809          PLN
23A TN JELLICO           BLCDT           20020510AAJ          LIC
23A WV HUNTINGTON        BMPCDT           20090416AWL          CP
23A NC GREENVILLE       USERRECORD01          APP

Percent new IX =      0.3276%

Result key:          5
Scenario          5 Affected station          4
Before Analysis

Results for: 23A NC CHARLOTTE          BLCDT          19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW
                POPULATION          AREA (sq km)
within Noise Limited Contour          3731691          46359.0
not affected by terrain losses          3603825          44143.2
lost to NTSC IX                          0              0.0
lost to additional IX by ATV              5619            199.6
lost to ATV IX only                       5619            199.6
lost to all IX                            5619            199.6

Potential Interfering Stations Included in above Scenario          5

22A NC CHARLOTTE          DTVPLN          DTVP0809          PLN
23A TN JELLICO           BPCDT           20080620AGZ          CP
23A WV HUNTINGTON        DTVPLN          DTVP0865          PLN
23A NC GREENVILLE       DTVPLN          DTVP0848          PLN

After Analysis

Results for: 23A NC CHARLOTTE          BLCDT          19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW
                POPULATION          AREA (sq km)
within Noise Limited Contour          3731691          46359.0
not affected by terrain losses          3603825          44143.2
lost to NTSC IX                          0              0.0
lost to additional IX by ATV              17409           543.0

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Figure 3

lost to ATV IX only 17409 543.0
lost to all IX 17409 543.0

Potential Interfering Stations Included in above Scenario 5

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 6
Scenario 6 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619	199.6
lost to ATV IX only	5619	199.6
lost to all IX	5619	199.6

Potential Interfering Stations Included in above Scenario 6

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17409	543.0
lost to ATV IX only	17409	543.0
lost to all IX	17409	543.0

Potential Interfering Stations Included in above Scenario 6

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 7
Scenario 7 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 7

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
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Figure 3

23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 7

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 8
Scenario 8 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 8

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 8

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 9
Scenario 9 Affected station 4
Before Analysis

Figure 3

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 9

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 9

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 10
Scenario 10 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 10

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Figure 3

Potential Interfering Stations Included in above Scenario 10

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 11
Scenario 11 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619	199.6
lost to ATV IX only	5619	199.6
lost to all IX	5619	199.6

Potential Interfering Stations Included in above Scenario 11

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17409	543.0
lost to ATV IX only	17409	543.0
lost to all IX	17409	543.0

Potential Interfering Stations Included in above Scenario 11

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 12
Scenario 12 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619	199.6
lost to ATV IX only	5619	199.6
lost to all IX	5619	199.6

Potential Interfering Stations Included in above Scenario 12

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

Figure 3

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17409	543.0
lost to ATV IX only	17409	543.0
lost to all IX	17409	543.0

Potential Interfering Stations Included in above Scenario 12

22A NC CHARLOTTE	BLCDT	20031211AEN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 13
Scenario 13 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 13

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 13

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 14
Scenario 14 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
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Figure 3

within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 14

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 14

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 15
Scenario 15 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 15

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 15

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
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Figure 3

23A TN JELLICO BLCDT 20020510AAJ LIC
23A WV HUNTINGTON DTVPLN DTVP0865 PLN
23A NC GREENVILLE USERRECORD01 APP

Percent new IX = 0.3279%

Result key: 16
Scenario 16 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 16

22A NC CHARLOTTE BPCDT 20080617AEH APP
23A TN JELLICO BLCDT 20020510AAJ LIC
23A WV HUNTINGTON BMPCDT 20090416AWL CP
23A NC GREENVILLE DTVPLN DTVP0848 PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 16

22A NC CHARLOTTE BPCDT 20080617AEH APP
23A TN JELLICO BLCDT 20020510AAJ LIC
23A WV HUNTINGTON BMPCDT 20090416AWL CP
23A NC GREENVILLE USERRECORD01 APP

Percent new IX = 0.3279%

Result key: 17
Scenario 17 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8382	279.5
lost to ATV IX only	8382	279.5
lost to all IX	8382	279.5

Potential Interfering Stations Included in above Scenario 17

22A NC CHARLOTTE BPCDT 20080617AEH APP
23A TN JELLICO BPCDT 20080620AGZ CP
23A WV HUNTINGTON DTVPLN DTVP0865 PLN
23A NC GREENVILLE DTVPLN DTVP0848 PLN

After Analysis

Figure 3

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20172	622.8
lost to ATV IX only	20172	622.8
lost to all IX	20172	622.8

Potential Interfering Stations Included in above Scenario 17

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 18
Scenario 18 Affected station 4
Before Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8382	279.5
lost to ATV IX only	8382	279.5
lost to all IX	8382	279.5

Potential Interfering Stations Included in above Scenario 18

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE BLCDT 19991025AEB LIC
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20172	622.8
lost to ATV IX only	20172	622.8
lost to all IX	20172	622.8

Potential Interfering Stations Included in above Scenario 18

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Worst case new IX 0.3279% Scenario 17

#####

Analysis of Interference to Affected Station 5

Analysis of current record
Channel Call City/State Application Ref. No.

Figure 3

23 WBTV CHARLOTTE NC DTVPLN -DTVP0847

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	APP	BPCDT	-20080617AEH
22	WCNC-TV	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0809
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDT	-20031211ABN
23	WJSP-TV	COLUMBUS GA	427.2	CP MOD	BMPEDT	-20070907ACX
23	WJSP-TV	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0835
23	WUNK-TV	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0848
23	WPXK	JELLYCO TN	289.7	PLN	DTVPLN	-DTVP0856
23	WPXK-TV	JELLYCO TN	289.7	LIC	BLCDT	-20020510AAJ
23	WPXK-TV	JELLYCO TN	258.7	CP	BPCDT	-20080620AGZ
23	WSAZ-TV	HUNTINGTON WV	361.5	PLN	DTVPLN	-DTVP0865
23	WSAZ-TV	HUNTINGTON WV	361.5	CP MOD	BMPCDT	-20090416AWL
24	WNEG-TV	TOCCOA GA	215.5	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0875
23	WUNK	GREENVILLE NC	325.3	APP	USERRECORD-01	

Total scenarios = 18

Result key: 19
 Scenario 1 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 1

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLYCO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 1

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLYCO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 20
 Scenario 2 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

Figure 3

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	4982	175.7	
lost to ATV IX only	4982	175.7	
lost to all IX	4982	175.7	
Potential Interfering Stations Included in above Scenario			2
22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN
After Analysis			
Results for: 23A NC CHARLOTTE	DTVPLN	DTVP0847	PLN
HAAT 565.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	16772	519.0	
lost to ATV IX only	16772	519.0	
lost to all IX	16772	519.0	
Potential Interfering Stations Included in above Scenario			2
22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP
Percent new IX = 0.3276%			
Result key: 21			
Scenario 3 Affected station 5			
Before Analysis			
Results for: 23A NC CHARLOTTE	DTVPLN	DTVP0847	PLN
HAAT 565.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	4982	175.7	
lost to ATV IX only	4982	175.7	
lost to all IX	4982	175.7	
Potential Interfering Stations Included in above Scenario			3
22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN
After Analysis			
Results for: 23A NC CHARLOTTE	DTVPLN	DTVP0847	PLN
HAAT 565.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	16772	519.0	
lost to ATV IX only	16772	519.0	
lost to all IX	16772	519.0	
Potential Interfering Stations Included in above Scenario			3

Figure 3

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 22
 Scenario 4 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 4

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 4

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 23
 Scenario 5 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619	199.6
lost to ATV IX only	5619	199.6
lost to all IX	5619	199.6

Potential Interfering Stations Included in above Scenario 5

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Figure 3

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17409	543.0
lost to ATV IX only	17409	543.0
lost to all IX	17409	543.0

Potential Interfering Stations Included in above Scenario 5

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 24
 Scenario 6 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619	199.6
lost to ATV IX only	5619	199.6
lost to all IX	5619	199.6

Potential Interfering Stations Included in above Scenario 6

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17409	543.0
lost to ATV IX only	17409	543.0
lost to all IX	17409	543.0

Potential Interfering Stations Included in above Scenario 6

22A NC CHARLOTTE	DTVPLN	DTVP0809	PLN
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 25
 Scenario 7 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2

Figure 3

lost to NTSC IX		0	0.0
lost to additional IX by ATV		4982	175.7
lost to ATV IX only		4982	175.7
lost to all IX		4982	175.7

Potential Interfering Stations Included in above Scenario 7

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 7

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 26
 Scenario 8 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 8

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 8

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP

Figure 3

23A NC GREENVILLE USERRECORD01 APP

Percent new IX = 0.3276%

Result key: 27
Scenario 9 Affected station 5
Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 9

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16772	519.0
lost to ATV IX only	16772	519.0
lost to all IX	16772	519.0

Potential Interfering Stations Included in above Scenario 9

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 28
Scenario 10 Affected station 5
Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4982	175.7
lost to ATV IX only	4982	175.7
lost to all IX	4982	175.7

Potential Interfering Stations Included in above Scenario 10

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

Figure 3

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	16772	519.0	
lost to ATV IX only	16772	519.0	
lost to all IX	16772	519.0	

Potential Interfering Stations Included in above Scenario 10

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3276%

Result key: 29
 Scenario 11 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	5619	199.6	
lost to ATV IX only	5619	199.6	
lost to all IX	5619	199.6	

Potential Interfering Stations Included in above Scenario 11

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	17409	543.0	
lost to ATV IX only	17409	543.0	
lost to all IX	17409	543.0	

Potential Interfering Stations Included in above Scenario 11

22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3277%

Result key: 30
 Scenario 12 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)	
within Noise Limited Contour	3731691	46359.0	
not affected by terrain losses	3603825	44143.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	5619	199.6	
lost to ATV IX only	5619	199.6	

Figure 3

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lost to all IX                5619        199.6

Potential Interfering Stations Included in above Scenario    12

22A NC CHARLOTTE            BLCDT    20031211ABN  LIC
23A TN JELLICO              BPCDT    20080620AGZ  CP
23A WV HUNTINGTON          BMPCDT   20090416AWL  CP
23A NC GREENVILLE         DTVPLN   DTVP0848     PLN

After Analysis

Results for: 23A NC CHARLOTTE            DTVPLN   DTVP0847     PLN
HAAT 565.0 m, ATV ERP 1000.0 kW
      POPULATION   AREA (sq km)
within Noise Limited Contour    3731691    46359.0
not affected by terrain losses  3603825    44143.2
lost to NTSC IX                  0           0.0
lost to additional IX by ATV     17409      543.0
lost to ATV IX only             17409      543.0
lost to all IX                  17409      543.0

Potential Interfering Stations Included in above Scenario    12

22A NC CHARLOTTE            BLCDT    20031211ABN  LIC
23A TN JELLICO              BPCDT    20080620AGZ  CP
23A WV HUNTINGTON          BMPCDT   20090416AWL  CP
23A NC GREENVILLE         USERRECORD01  APP

Percent new IX =      0.3277%

Result key:      31
Scenario        13 Affected station      5
Before Analysis

Results for: 23A NC CHARLOTTE            DTVPLN   DTVP0847     PLN
HAAT 565.0 m, ATV ERP 1000.0 kW
      POPULATION   AREA (sq km)
within Noise Limited Contour    3731691    46359.0
not affected by terrain losses  3603825    44143.2
lost to NTSC IX                  0           0.0
lost to additional IX by ATV     7745      255.5
lost to ATV IX only             7745      255.5
lost to all IX                  7745      255.5

Potential Interfering Stations Included in above Scenario    13

22A NC CHARLOTTE            BPCDT    20080617AEH  APP
23A TN JELLICO              DTVPLN   DTVP0856     PLN
23A WV HUNTINGTON          DTVPLN   DTVP0865     PLN
23A NC GREENVILLE         DTVPLN   DTVP0848     PLN

After Analysis

Results for: 23A NC CHARLOTTE            DTVPLN   DTVP0847     PLN
HAAT 565.0 m, ATV ERP 1000.0 kW
      POPULATION   AREA (sq km)
within Noise Limited Contour    3731691    46359.0
not affected by terrain losses  3603825    44143.2
lost to NTSC IX                  0           0.0
lost to additional IX by ATV     19535     598.8
lost to ATV IX only             19535     598.8
lost to all IX                  19535     598.8

Potential Interfering Stations Included in above Scenario    13

22A NC CHARLOTTE            BPCDT    20080617AEH  APP
23A TN JELLICO              DTVPLN   DTVP0856     PLN
23A WV HUNTINGTON          DTVPLN   DTVP0865     PLN
23A NC GREENVILLE         USERRECORD01  APP

Percent new IX =      0.3279%

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Figure 3

Result key: 32
 Scenario 14 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 14

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 14

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	DTVPLN	DTVP0856	PLN
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 33
 Scenario 15 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 15

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2

Figure 3

lost to NTSC IX	0	0.0	
lost to additional IX by ATV	19535	598.8	
lost to ATV IX only	19535	598.8	
lost to all IX	19535	598.8	

Potential Interfering Stations Included in above Scenario 15

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 34
 Scenario 16 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7745	255.5
lost to ATV IX only	7745	255.5
lost to all IX	7745	255.5

Potential Interfering Stations Included in above Scenario 16

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19535	598.8
lost to ATV IX only	19535	598.8
lost to all IX	19535	598.8

Potential Interfering Stations Included in above Scenario 16

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BLCDT	20020510AAJ	LIC
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 35
 Scenario 17 Affected station 5
 Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
 HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8382	279.5
lost to ATV IX only	8382	279.5
lost to all IX	8382	279.5

Potential Interfering Stations Included in above Scenario 17

Figure 3

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20172	622.8
lost to ATV IX only	20172	622.8
lost to all IX	20172	622.8

Potential Interfering Stations Included in above Scenario 17

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0865	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Result key: 36
Scenario 18 Affected station 5
Before Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8382	279.5
lost to ATV IX only	8382	279.5
lost to all IX	8382	279.5

Potential Interfering Stations Included in above Scenario 18

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	DTVPLN	DTVP0848	PLN

After Analysis

Results for: 23A NC CHARLOTTE DTVPLN DTVP0847 PLN
HAAT 565.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3731691	46359.0
not affected by terrain losses	3603825	44143.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20172	622.8
lost to ATV IX only	20172	622.8
lost to all IX	20172	622.8

Potential Interfering Stations Included in above Scenario 18

22A NC CHARLOTTE	BPCDT	20080617AEH	APP
23A TN JELLICO	BPCDT	20080620AGZ	CP
23A WV HUNTINGTON	BMPCDT	20090416AWL	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.3279%

Worst case new IX 0.3279% Scenario 17

Figure 3

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WITD-CA	CHESAPEAKE VA	BLTTA	-20060614AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	LIC	BLEDT	-20020604AAB
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	PLN	DTVPLN	-DTVP0584
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	CP	BPEDT	-20080619ADA
20	WUND-TV	EDENTON NC	103.4	LIC	BLEDT	-20070307ABK
20	WUND-TV	EDENTON NC	103.4	PLN	DTVPLN	-DTVP0729
22	WRIC-TV	PETERSBURG VA	123.4	LIC	BLCDD	-20021112ACD
22	WRIC-TV	PETERSBURG VA	123.4	PLN	DTVPLN	-DTVP0824
22	WRIC-TV	PETERSBURG VA	123.5	CP	BPCDD	-20080618ADU
23	WUNK-TV	GREENVILLE NC	171.5	PLN	DTVPLN	-DTVP0848
23	WLYH-TV	LANCASTER PA	382.6	LIC	BLCDD	-20040922AAC
23	WLYH-TV	LANCASTER PA	382.6	PLN	DTVPLN	-DTVP0854
24	W24OI	VIRGINIA BEACH VA	47.4	LIC	BLTT	-19960603JA
25	WTVR-TV	RICHMOND VA	123.4	LIC	BLCDD	-20021204ABA
25	WTVR-TV	RICHMOND VA	123.4	PLN	DTVPLN	-DTVP0934
26	WRLH-TV	RICHMOND VA	123.4	CP MOD	BMPCDD	-20040507ABE
26	WRLH-TV	RICHMOND VA	123.4	PLN	DTVPLN	-DTVP0976
31	WAVY-TV	PORTSMOUTH VA	0.0	LIC	BLCDD	-20010409ABP
31	WAVY-TV	PORTSMOUTH VA	0.0	PLN	DTVPLN	-DTVP1161
23	WUNK	GREENVILLE NC	171.5	APP	USERRECORD-01	

Total scenarios = 3

Result key: 37
 Scenario 1 Affected station 6
 Before Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	69	4.0	
lost to all IX	69	4.0	

Potential Interfering Stations Included in above Scenario 1

16A VA HAMPTON-NORFOLK BLEDT 20020604AAB LIC

After Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	388	8.0	
lost to all IX	388	8.0	

Potential Interfering Stations Included in above Scenario 1

16A VA HAMPTON-NORFOLK BLEDT 20020604AAB LIC
 23A NC GREENVILLE USERRECORD01 APP

Percent new IX = 0.4057%

Result key: 38
 Scenario 2 Affected station 6

Figure 3

Before Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	69	4.0	
lost to all IX	69	4.0	

Potential Interfering Stations Included in above Scenario 2

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
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After Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	388	8.0	
lost to all IX	388	8.0	

Potential Interfering Stations Included in above Scenario 2

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4057%

Result key: 39
Scenario 3 Affected station 6
Before Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	69	4.0	
lost to all IX	69	4.0	

Potential Interfering Stations Included in above Scenario 3

16A VA HAMPTON-NORFOLK	BPEDT	20080619ADA	CP
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After Analysis

Results for: 23N VA CHESAPEAKE	BLTTA	20060614AAE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	78634	1788.3	
not affected by terrain losses	77955	1780.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	388	8.0	
lost to all IX	388	8.0	

Potential Interfering Stations Included in above Scenario 3

16A VA HAMPTON-NORFOLK	BPEDT	20080619ADA	CP
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4057%

Worst case new IX 0.4057% Scenario 1

#####

Figure 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WITD-CA	CHESAPEAKE VA	BMPPTA -20060719ADY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	LIC	BLEDT -20020604AAB
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	PLN	DTVPLN -DTVP0584
16	WHRO-TV	HAMPTON-NORFOLK VA	1.5	CP	BPEDT -20080619ADA
20	WUND-TV	EDENTON NC	103.4	LIC	BLEDT -20070307ABK
20	WUND-TV	EDENTON NC	103.4	PLN	DTVPLN -DTVP0729
22	WRIC-TV	PETERSBURG VA	123.4	LIC	BLCDT -20021112ACD
22	WRIC-TV	PETERSBURG VA	123.4	PLN	DTVPLN -DTVP0824
22	WRIC-TV	PETERSBURG VA	123.5	CP	BPEDT -20080618ADU
23	WUNK-TV	GREENVILLE NC	171.5	PLN	DTVPLN -DTVP0848
23	WLYH-TV	LANCASTER PA	382.6	LIC	BLCDT -20040922AAC
23	WLYH-TV	LANCASTER PA	382.6	PLN	DTVPLN -DTVP0854
25	WTVR-TV	RICHMOND VA	123.4	LIC	BLCDT -20021204ABA
25	WTVR-TV	RICHMOND VA	123.4	PLN	DTVPLN -DTVP0934
26	WRLH-TV	RICHMOND VA	123.4	CP MOD	BMPCDT -20040507ABE
26	WRLH-TV	RICHMOND VA	123.4	PLN	DTVPLN -DTVP0976
31	WAVY-TV	PORTSMOUTH VA	0.0	LIC	BLCDT -20010409ABP
31	WAVY-TV	PORTSMOUTH VA	0.0	PLN	DTVPLN -DTVP1161
23	WUNK	GREENVILLE NC	171.5	APP	USERRECORD-01

Total scenarios = 6

Result key: 40
 Scenario 1 Affected station 7
 Before Analysis

Results for: 23N VA CHESAPEAKE	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	
not affected by terrain losses	720882	1797.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	280	8.0	
lost to all IX	280	8.0	

Potential Interfering Stations Included in above Scenario 1

16A VA HAMPTON-NORFOLK	BLEDT	20020604AAB	LIC
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC

After Analysis

Results for: 23N VA CHESAPEAKE	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	
not affected by terrain losses	720882	1797.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3806	20.1	
lost to all IX	3806	20.1	

Potential Interfering Stations Included in above Scenario 1

16A VA HAMPTON-NORFOLK	BLEDT	20020604AAB	LIC
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4889%

Result key: 41
 Scenario 2 Affected station 7
 Before Analysis

Results for: 23N VA CHESAPEAKE	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	

Figure 3

within Noise Limited Contour	721241	1805.3
not affected by terrain losses	720882	1797.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	280	8.0
lost to all IX	280	8.0

Potential Interfering Stations Included in above Scenario 2

16A VA HAMPTON-NORFOLK	BLEDT	20020604AAB	LIC
31A VA PORTSMOUTH	DTVPLN	DTVP1161	PLN

After Analysis

Results for: 23N VA CHESAPEAKE

	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	
not affected by terrain losses	720882	1797.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3806	20.1	
lost to all IX	3806	20.1	

Potential Interfering Stations Included in above Scenario 2

16A VA HAMPTON-NORFOLK	BLEDT	20020604AAB	LIC
31A VA PORTSMOUTH	DTVPLN	DTVP1161	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4889%

Result key: 42

Scenario 3 Affected station 7

Before Analysis

Results for: 23N VA CHESAPEAKE

	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	
not affected by terrain losses	720882	1797.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	280	8.0	
lost to all IX	280	8.0	

Potential Interfering Stations Included in above Scenario 3

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC

After Analysis

Results for: 23N VA CHESAPEAKE

	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	
not affected by terrain losses	720882	1797.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3806	20.1	
lost to all IX	3806	20.1	

Potential Interfering Stations Included in above Scenario 3

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4889%

Result key: 43

Scenario 4 Affected station 7

Before Analysis

Results for: 23N VA CHESAPEAKE

	BMPPTA	20060719ADY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	721241	1805.3	

Figure 3

not affected by terrain losses	720882	1797.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	280	8.0
lost to all IX	280	8.0

Potential Interfering Stations Included in above Scenario 4

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
31A VA PORTSMOUTH	DTVPLN	DTVP1161	PLN

After Analysis

Results for: 23N VA CHESAPEAKE BMPTTA 20060719ADY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	721241	1805.3
not affected by terrain losses	720882	1797.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3806	20.1
lost to all IX	3806	20.1

Potential Interfering Stations Included in above Scenario 4

16A VA HAMPTON-NORFOLK	DTVPLN	DTVP0584	PLN
31A VA PORTSMOUTH	DTVPLN	DTVP1161	PLN
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4889%

Result key: 44

Scenario 5 Affected station 7

Before Analysis

Results for: 23N VA CHESAPEAKE BMPTTA 20060719ADY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	721241	1805.3
not affected by terrain losses	720882	1797.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	280	8.0
lost to all IX	280	8.0

Potential Interfering Stations Included in above Scenario 5

16A VA HAMPTON-NORFOLK	BPEDT	20080619ADA	CP
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC

After Analysis

Results for: 23N VA CHESAPEAKE BMPTTA 20060719ADY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	721241	1805.3
not affected by terrain losses	720882	1797.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3806	20.1
lost to all IX	3806	20.1

Potential Interfering Stations Included in above Scenario 5

16A VA HAMPTON-NORFOLK	BPEDT	20080619ADA	CP
31A VA PORTSMOUTH	BLCDT	20010409ABP	LIC
23A NC GREENVILLE	USERRECORD01		APP

Percent new IX = 0.4889%

Result key: 45

Scenario 6 Affected station 7

Before Analysis

Results for: 23N VA CHESAPEAKE BMPTTA 20060719ADY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	721241	1805.3
not affected by terrain losses	720882	1797.3

Figure 3

```

lost to NTSC IX                0          0.0
lost to additional IX by ATV   280        8.0
lost to all IX                 280        8.0

Potential Interfering Stations Included in above Scenario      6

16A VA HAMPTON-NORFOLK      BPEDT    20080619ADA  CP
31A VA PORTSMOUTH          DTVPLN   DTVP1161    PLN

```

After Analysis

```

Results for: 23N VA CHESAPEAKE      BMPTTA    20060719ADY  CP
                POPULATION    AREA (sq km)
within Noise Limited Contour      721241    1805.3
not affected by terrain losses    720882    1797.3
lost to NTSC IX                   0          0.0
lost to additional IX by ATV      3806     20.1
lost to all IX                    3806     20.1

```

```

Potential Interfering Stations Included in above Scenario      6

16A VA HAMPTON-NORFOLK      BPEDT    20080619ADA  CP
31A VA PORTSMOUTH          DTVPLN   DTVP1161    PLN
23A NC GREENVILLE         USERRECORD01  APP

```

```

Percent new IX =      0.4889%
Worst case new IX    0.4889% Scenario      1

```

#####

Analysis of Interference to Affected Station 8

```

Analysis of current record
Channel      Call      City/State      Application Ref. No.
  23      WUNK      GREENVILLE NC      USERRECORD-01

```

Stations Potentially Affecting This Station

```

Chan  Call      City/State      Dist(km) Status  Application Ref. No.
  22  WRIC-TV  PETERSBURG VA      217.8  LIC    BLCDT    -20021112ACD
  22  WRIC-TV  PETERSBURG VA      217.8  PLN    DTVPLN   -DTVP0824
  22  WRIC-TV  PETERSBURG VA      217.8  CP     BPCDT    -20080618ADU
  23  WBTW    CHARLOTTE NC      325.3  LIC    BLCDT    -19991025AEB
  23  WBTW    CHARLOTTE NC      325.3  PLN    DTVPLN   -DTVP0847

```

Total scenarios = 2

```

Result key:      46
Scenario      1  Affected station      8
Before Analysis

```

```

Results for: 23A NC GREENVILLE      USERRECORD01      APP
HAAT 350.0 m, ATV ERP 1000.0 kW
                POPULATION    AREA (sq km)
within Noise Limited Contour      1703951    34336.9
not affected by terrain losses    1702270    34304.6
lost to NTSC IX                   0          0.0
lost to additional IX by ATV      16139     197.6
lost to ATV IX only               16139     197.6
lost to all IX                    16139     197.6

```

```

Potential Interfering Stations Included in above Scenario      1

23A NC CHARLOTTE          BLCDT    19991025AEB  LIC

```

```

Result key:      47
Scenario      2  Affected station      8

```

Figure 3

Before Analysis

Results for: 23A NC GREENVILLE USERRECORD01 APP
 HAAT 350.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1703951	34336.9
not affected by terrain losses	1702270	34304.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16139	197.6
lost to ATV IX only	16139	197.6
lost to all IX	16139	197.6

Potential Interfering Stations Included in above Scenario 2

23A NC CHARLOTTE DTVPLN DTVP0847 PLN

#####

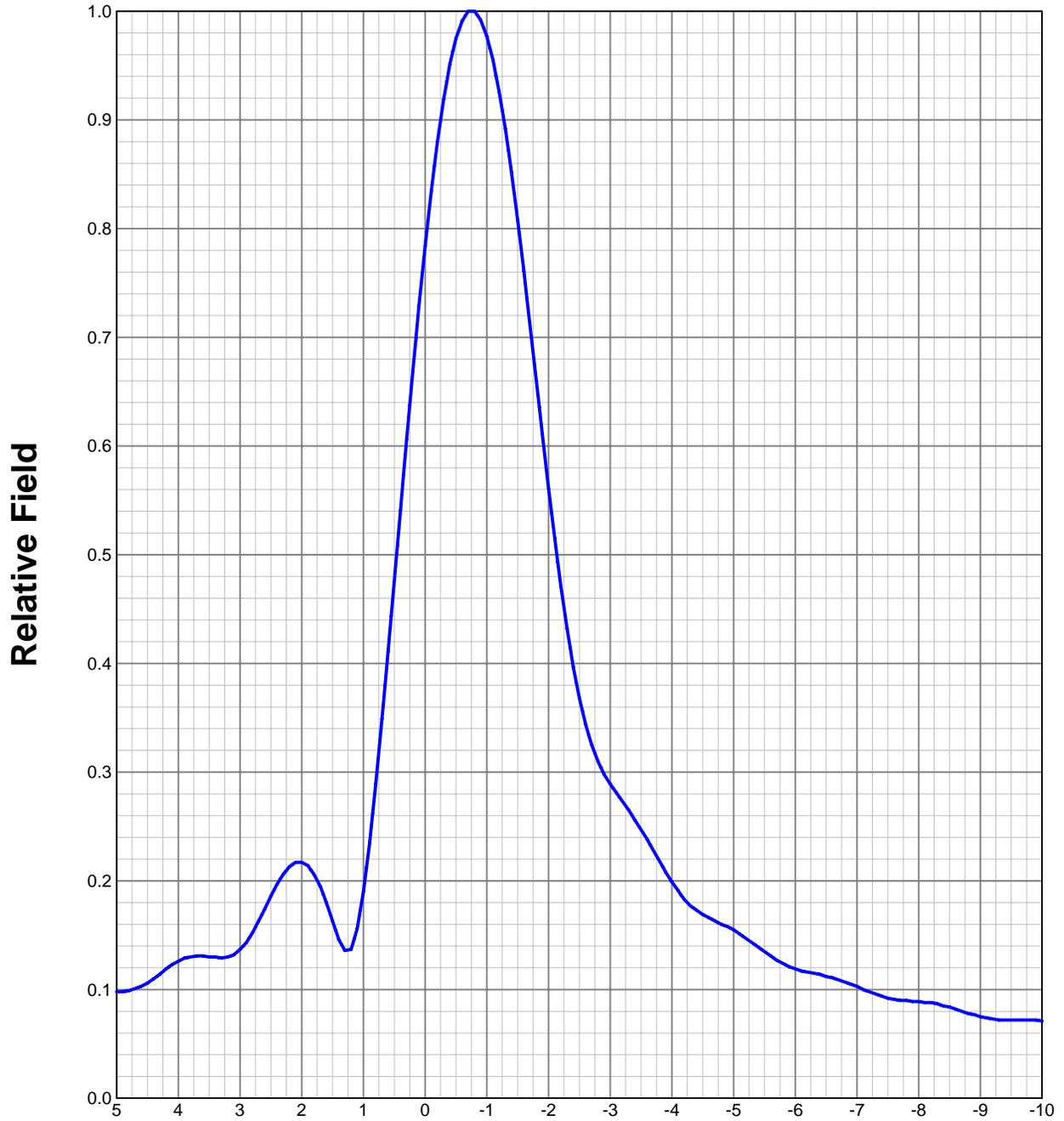
FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

APPENDIX

TRANSMITTING ANTENNA
VERTICAL PLANE PATTERN

ELEVATION PATTERN

Type:	ATW30HS3H		Channel:	23
Directivity:	Numeric	dBd	Location:	WUNK-DT
Main Lobe:	30.00	14.77	Beam Tilt:	-0.75
Horizontal:	18.44	12.66	Polarization:	Horizontal



TABULATED DATA FOR ELEVATION PATTERN

Type: ATW30HS3H
PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.098	-20.18	-6.75	0.108	-19.33	-27.00	0.027	-31.37	-50.50
4.75	0.100	-20.00	-7.00	0.103	-19.74	-27.50	0.026	-31.70	-51.00
4.50	0.106	-19.49	-7.25	0.097	-20.26	-28.00	0.029	-30.75	-51.50
4.25	0.116	-18.67	-7.50	0.092	-20.72	-28.50	0.030	-30.46	-52.00
4.00	0.126	-17.99	-7.75	0.090	-20.92	-29.00	0.026	-31.70	-52.50
3.75	0.131	-17.69	-8.00	0.089	-21.01	-29.50	0.025	-32.04	-53.00
3.50	0.130	-17.72	-8.25	0.087	-21.16	-30.00	0.028	-31.06	-53.50
3.25	0.130	-17.75	-8.50	0.084	-21.51	-30.50	0.029	-30.75	-54.00
3.00	0.137	-17.27	-8.75	0.079	-22.05	-31.00	0.025	-32.04	-54.50
2.75	0.158	-16.05	-9.00	0.075	-22.50	-31.50	0.024	-32.40	-55.00
2.50	0.186	-14.61	-9.25	0.072	-22.79	-32.00	0.027	-31.37	-55.50
2.25	0.209	-13.58	-9.50	0.072	-22.85	-32.50	0.028	-31.06	-56.00
2.00	0.217	-13.27	-9.75	0.072	-22.85	-33.00	0.024	-32.40	-56.50
1.75	0.201	-13.96	-10.00	0.071	-22.97	-33.50	0.023	-32.77	-57.00
1.50	0.163	-15.76	-10.50	0.065	-23.74	-34.00	0.026	-31.70	-57.50
1.25	0.137	-17.30	-11.00	0.060	-24.44	-34.50	0.027	-31.37	-58.00
1.00	0.190	-14.42	-11.50	0.061	-24.29	-35.00	0.024	-32.40	-58.50
0.75	0.319	-9.92	-12.00	0.058	-24.73	-35.50	0.022	-33.15	-59.00
0.50	0.476	-6.45	-12.50	0.052	-25.68	-36.00	0.025	-32.04	-59.50
0.25	0.637	-3.91	-13.00	0.052	-25.68	-36.50	0.027	-31.37	-60.00
0.00	0.784	-2.11	-13.50	0.053	-25.51	-37.00	0.025	-32.04	-60.50
-0.25	0.899	-0.92	-14.00	0.048	-26.38	-37.50	0.022	-33.15	-61.00
-0.50	0.975	-0.22	-14.50	0.045	-26.94	-38.00	0.023	-32.77	-61.50
-0.75	1.000	0.00	-15.00	0.047	-26.56	-38.50	0.026	-31.70	-62.00
-1.00	0.977	-0.20	-15.50	0.046	-26.74	-39.00	0.026	-31.70	-62.50
-1.25	0.909	-0.83	-16.00	0.041	-27.74	-39.50	0.023	-32.77	-63.00
-1.50	0.808	-1.85	-16.50	0.041	-27.74	-40.00	0.022	-33.15	-63.50
-1.75	0.686	-3.27	-17.00	0.043	-27.33	-40.50	0.025	-32.04	-64.00
-2.00	0.561	-5.02	-17.50	0.040	-27.96	-41.00	0.026	-31.70	-64.50
-2.25	0.452	-6.91	-18.00	0.036	-28.87	-41.50	0.024	-32.40	-65.00
-2.50	0.368	-8.68	-18.50	0.039	-28.18	-42.00	0.022	-33.15	-65.50
-2.75	0.318	-9.97	-19.00	0.039	-28.18	-42.50	0.023	-32.77	-66.00
-3.00	0.289	-10.78	-19.50	0.035	-29.12	-43.00	0.025	-32.04	-66.50
-3.25	0.269	-11.40	-20.00	0.033	-29.63	-43.50	0.025	-32.04	-67.00
-3.50	0.247	-12.15	-20.50	0.037	-28.64	-44.00	0.023	-32.77	-67.50
-3.75	0.223	-13.03	-21.00	0.035	-29.12	-44.50	0.022	-33.15	-68.00
-4.00	0.199	-14.02	-21.50	0.031	-30.17	-45.00	0.024	-32.40	-68.50
-4.25	0.180	-14.89	-22.00	0.032	-29.90	-45.50	0.026	-31.70	-69.00
-4.50	0.169	-15.44	-22.50	0.035	-29.12	-46.00	0.025	-32.04	-69.50
-4.75	0.162	-15.84	-23.00	0.032	-29.90	-46.50	0.023	-32.77	-70.00
-5.00	0.155	-16.19	-23.50	0.029	-30.75	-47.00	0.022	-33.15	-70.50
-5.25	0.145	-16.77	-24.00	0.031	-30.17	-47.50	0.024	-32.40	-71.00
-5.50	0.135	-17.39	-24.50	0.033	-29.63	-48.00	0.026	-31.70	-71.50
-5.75	0.126	-18.03	-25.00	0.029	-30.75	-48.50	0.026	-31.70	-72.00
-6.00	0.119	-18.49	-25.50	0.027	-31.37	-49.00	0.024	-32.40	-72.50
-6.25	0.116	-18.75	-26.00	0.030	-30.46	-49.50	0.023	-32.77	-73.00
-6.50	0.112	-19.02	-26.50	0.031	-30.17	-50.00	0.024	-32.40	-73.50