

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

Technical Narrative

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

Proposed Facilities

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

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

34° 44' 19" North Latitude
86° 31' 56" West Longitude

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

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

Population Served

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

Allocation Considerations

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

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

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

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

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

Radiofrequency Electromagnetic Field Exposure

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

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

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

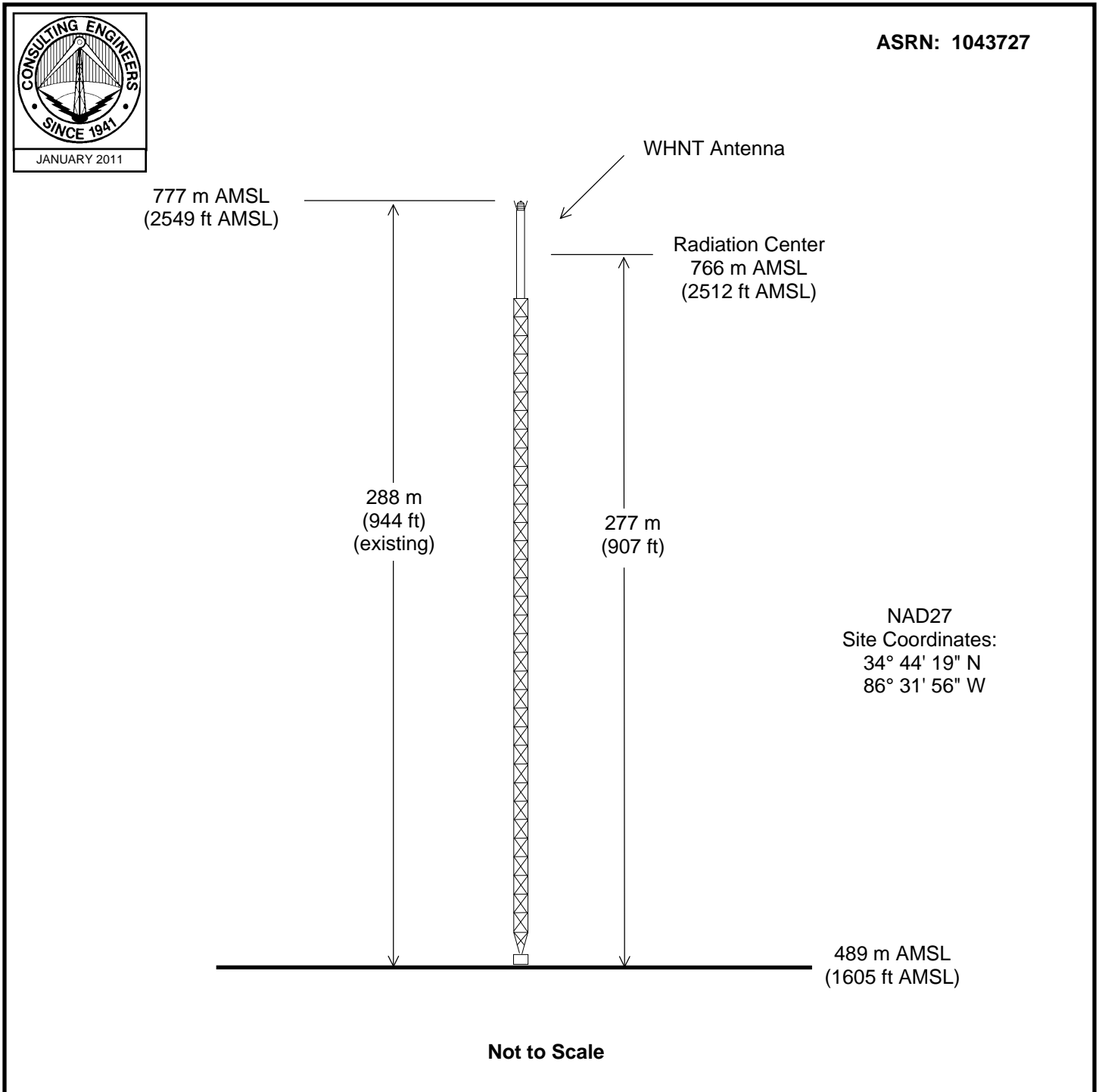
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

Charles Cooper

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

January 17, 2011

Figure 1

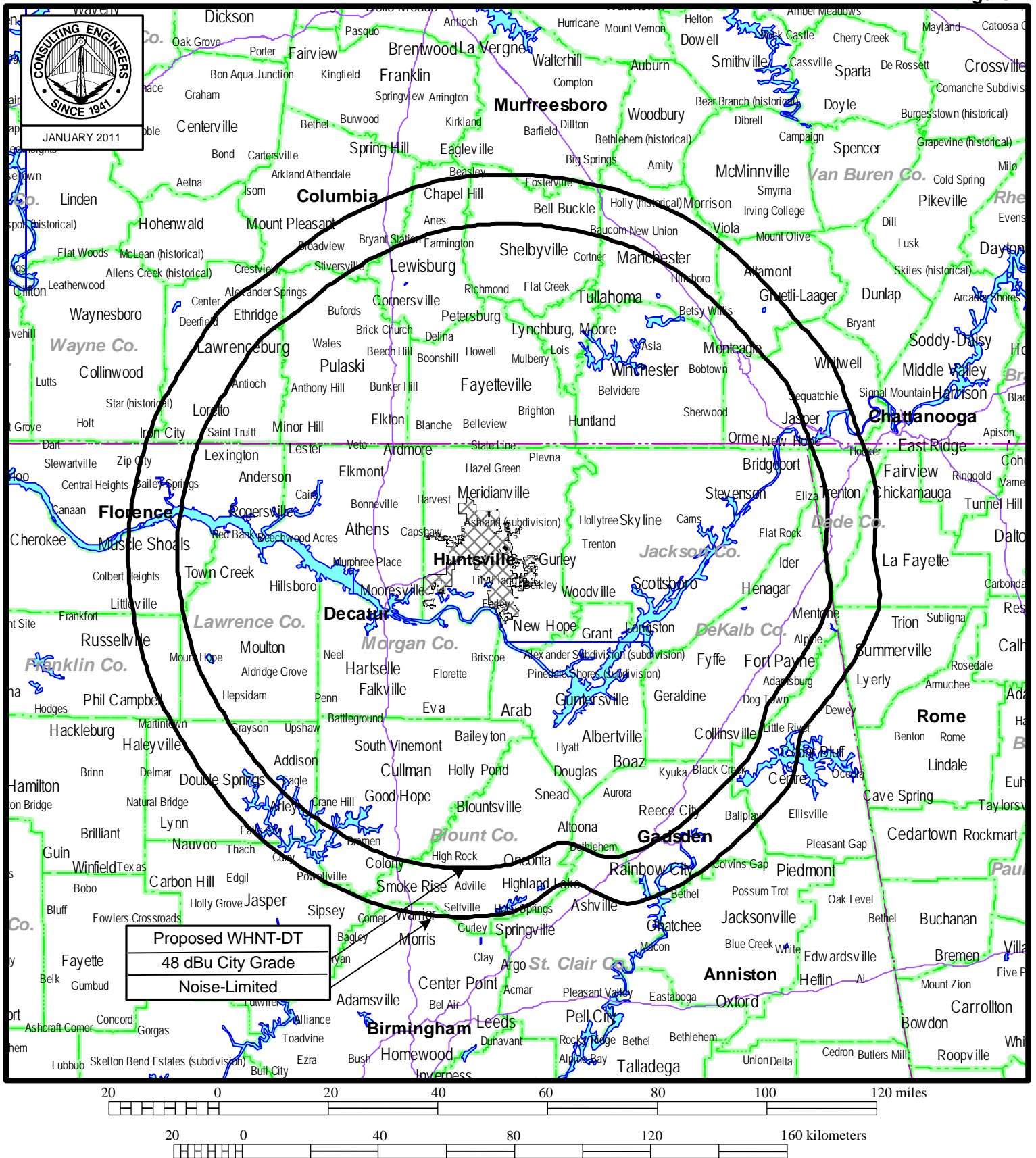


ANTENNA AND SUPPORTING STRUCTURE

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

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

Figure 2



PREDICTED COVERAGE CONTOURS

DTV STATION WHNT-DT

HUNTSVILLE, ALABAMA

CH 19 250 KW 531 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

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

OET-69 Allocation Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

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

Record Selected for Analysis

WHNT USERRECORD-01 HUNTSVILLE AL US
Channel 19 ERP 250. kW HAAT 533. m RCAMSL 00768 m
Latitude 034-44-19 Longitude 0086-31-56
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

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

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

Evaluation toward Class A Stations from site # 01

Contour overlap to Class A station
WOTM-LP 19 MONTEVALLO AL BLTTL 19970514JI
Contour overlap to Class A station
DWJTE-LP 19 JACKSON TN BPTTA 20030108AAX
Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WHNT 19 HUNTSVILLE AL USERRECORD01 Site # 01

and station

SHORT TO: WHNT-DR 19 HUNTSVILLE AL BPRM 20090423ADN
034-44-19 0086-31-56
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: DWYLE 20 FLORENCE AL BMPCDT 20070920ABE
035-00-9 0087-08-9
Req. separation => 24.0 <= 110.0 Actual separation 62.5 Short 47.5(38.5) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
19	WHNT	HUNTSVILLE AL	USERRECORD01

Stations Potentially Affected by Proposed Station

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

%%%

Analysis of Interference to Affected Station 1

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

18 WDBB BESSEMER AL BLCDT -20060421ABG

Stations Potentially Affecting This Station

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

Total scenarios = 3

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 18A AL BESSEMER BLCDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 1

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

After Analysis

Results for: 18A AL BESSEMER BLCDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 1

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
18A MS BUDE	BLEDT	20090327ABW	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

19D AL HUNTSVILLE USERRECORD01
ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m
Antenna none

Due to interference to the following station and scenario: 1

18D AL BESSEMER BLCDT 20060421ABG
ERP 350.00 kW HAAT 675.0 m RCAMSL 805.0 m
Antenna CDB 0000000044013

Percent new interference from proposal: 1.6271 to BLCDT 20060421ABG

Result key: 2
Scenario 2 Affected station 1
Before Analysis

Results for: 18A AL BESSEMER BLCDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 2

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
18A MS BUDE	BLEDT	20090327ABW	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP

After Analysis

Results for: 18A AL BESSEMER BLCDDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 2

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
18A MS BUDE	BLEDT	20090327ABW	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 3
Scenario 3 Affected station 1
Before Analysis

Results for: 18A AL BESSEMER BLCDDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 3

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

After Analysis

Results for: 18A AL BESSEMER BLCDDT 20060421ABG LIC
HAAT 675.0 m, ATV ERP 350.0 kW

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

Potential Interfering Stations Included in above Scenario 3

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
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18A MS BUDE	BLEDT	20090327ABW	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

19D AL HUNTSVILLE USERRECORD01
 ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m
 Antenna none

Due to interference to the following station and scenario: 3

18D AL BESSEMER BLCDT 20060421ABG
 ERP 350.00 kW HAAT 675.0 m RCAMSL 805.0 m
 Antenna CDB 0000000044013

Percent new interference from proposal: 1.6271 to BLCDT 20060421ABG

Worst case new IX 1.6271% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	W18BL	ADAMSVILLE TN	BDFCDTA	-20090824AKM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	NEW	JACKSON TN	59.8	APP	BNPDTL	-20100903ABC
18	WDBB	BESSEMER AL	214.5	LIC	BLCDT	-20060421ABG
18	WKYU-TV	BOWLING GREEN KY	267.7	LIC	BLEDT	-20040803AAG
18	WDYR-CD	DYERSBURG TN	132.6	LIC	BLDTA	-20101201AKF
19	NEW	JACKSON TN	62.0	APP	BNPDTL	-20100903ABD
19	WHNT	HUNTSVILLE AL	176.8	APP	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.
19	WIIQ	DEMOPOLIS AL	BLEDT	-20090511AHE

Stations Potentially Affecting This Station

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

Total scenarios = 5

Result key: 4
 Scenario 1 Affected station 3
 Before Analysis

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

	POPULATION	AREA (sq km)
within Noise Limited Contour	347799	27115.8
not affected by terrain losses	343641	26773.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21250	354.7
lost to ATV IX only	21250	354.7
lost to all IX	21250	354.7

Potential Interfering Stations Included in above Scenario 1

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

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 1

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPCDT	20090206AAN	CP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0251%

Result key: 5
Scenario 2 Affected station 3
Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPRM	20080819ADH	APP
20A AL MONTGOMERY	BPCDT	20090206AAN	CP

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPRM	20080819ADH	APP
20A AL MONTGOMERY	BPCDT	20090206AAN	CP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 6
 Scenario 3 Affected station 3
 Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 3

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPCDT	20090206AAN	CP

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 3

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPCDT	20090206AAN	CP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 7
 Scenario 4 Affected station 3
 Before Analysis

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

	POPULATION	AREA (sq km)
within Noise Limited Contour	347799	27115.8
not affected by terrain losses	343641	26773.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21250	354.7
lost to ATV IX only	21250	354.7
lost to all IX	21250	354.7

Potential Interfering Stations Included in above Scenario 4

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A GA ATLANTA	BPCDT	20040220ACX	CP
20A AL MONTGOMERY	BPRM	20080819ADH	APP

20A AL MONTGOMERY BPCDT 20090206AAN CP

After Analysis

Results for: 19A AL DEMOPOLIS BLEDT 20090511AHE LIC

HAAT 325.0 m, ATV ERP 1000.0 kW

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

Potential Interfering Stations Included in above Scenario 4

18A AL BESSEMER	BLCDDT	20060421ABG	LIC
19A GA ATLANTA	BPCDDT	20040220ACX	CP
20A AL MONTGOMERY	BPRM	20080819ADH	APP
20A AL MONTGOMERY	BPCDDT	20090206AAN	CP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0251%

Result key: 8

Scenario 5 Affected station 3

Before Analysis

Results for: 19A AL DEMOPOLIS BLEDT 20090511AHE LIC

HAAT 325.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	347799	27115.8
not affected by terrain losses	343641	26773.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21250	354.7
lost to ATV IX only	21250	354.7
lost to all IX	21250	354.7

Potential Interfering Stations Included in above Scenario 5

18A AL BESSEMER	BLCDDT	20060421ABG	LIC
19A GA ATLANTA	BPCDDT	20040220ACX	CP
20A AL MONTGOMERY	BPCDDT	20090206AAN	CP

After Analysis

Results for: 19A AL DEMOPOLIS BLEDT 20090511AHE LIC

HAAT 325.0 m, ATV ERP 1000.0 kW

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

Potential Interfering Stations Included in above Scenario 5

18A AL BESSEMER	BLCDDT	20060421ABG	LIC
19A GA ATLANTA	BPCDDT	20040220ACX	CP
20A AL MONTGOMERY	BPCDDT	20090206AAN	CP
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0251%

Worst case new IX 0.0251% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

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

Stations Potentially Affecting This Station

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

Total scenarios = 2

Result key: 9
 Scenario 1 Affected station 4
 Before Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP

HAAT 531.0 m, ATV ERP 250.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1425383	36270.9
not affected by terrain losses	1355684	34155.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32936	1138.2
lost to ATV IX only	32936	1138.2
lost to all IX	32936	1138.2

Potential Interfering Stations Included in above Scenario 1

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

After Analysis

Results for: 19A AL HUNTSVILLE BPRM 20090423ADN APP

HAAT 531.0 m, ATV ERP 250.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1425383	36270.9
not affected by terrain losses	1355684	34155.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1217920	27563.1
lost to ATV IX only	1217920	27563.1
lost to all IX	1217920	27563.1

Potential Interfering Stations Included in above Scenario 1

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A GA ATLANTA	BLCDT	19981211KE	LIC
19A KY CAMPBELLSVILLE	BLCDT	20080811ABA	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

19D AL HUNTSVILLE USERRECORD01
 ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m
 Antenna none

Due to interference to the following station and scenario: 1

19D AL HUNTSVILLE BPRM 20090423ADN
 ERP 250.00 kW HAAT 531.0 m RCAMSL 766.0 m
 Antenna 99999999999999

Percent new interference from proposal: 89.5850 to BPRM 20090423ADN

Result key: 10
Scenario 2 Affected station 4
Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A AL BESSEMER	BLCDDT	20060421ABG	LIC
19A AL DEMOPOLIS	BLEDDT	20090511AHE	LIC
19A GA ATLANTA	BPCDDT	20040220ACX	CP
19A KY CAMPBELLSVILLE	BLCDDT	20080811ABA	LIC

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A AL BESSEMER	BLCDDT	20060421ABG	LIC
19A AL DEMOPOLIS	BLEDDT	20090511AHE	LIC
19A GA ATLANTA	BPCDDT	20040220ACX	CP
19A KY CAMPBELLSVILLE	BLCDDT	20080811ABA	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

19D AL HUNTSVILLE USERRECORD01
ERP 250.00 kW HAAT 533.0 m RCAMSL 768.0 m
Antenna none

Due to interference to the following station and scenario: 2

19D AL HUNTSVILLE BPRM 20090423ADN
ERP 250.00 kW HAAT 531.0 m RCAMSL 766.0 m
Antenna 9999999999999999

Percent new interference from proposal: 89.4108 to BPRM 20090423ADN

Worst case new IX 89.5850% Scenario 1

Proposed station is MX

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

Proposal MX with BPRM 20090423ADN scenario 1 of station 4

Proposed station is MX

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

Proposal MX with BPRM 20090423ADN scenario 2 of station 4

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Analysis of Interference to Affected Station 5

Analysis of current record

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

Stations Potentially Affecting This Station

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

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

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

Stations Potentially Affecting This Station

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

Total scenarios = 3

Result key: 11
Scenario 1 Affected station 6
Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 1

20A GA ATLANTA BLCDT 20050204AAD LIC

After Analysis

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

	POPULATION	AREA (sq km)
within Noise Limited Contour	4335961	19795.4
not affected by terrain losses	4322484	19417.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25729	546.2
lost to ATV IX only	25729	546.2
lost to all IX	25729	546.2

Potential Interfering Stations Included in above Scenario 1

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

Percent new IX = 0.3525%

Result key: 12
Scenario 2 Affected station 6
Before Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	4335961	19795.4
not affected by terrain losses	4322484	19417.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25729	546.2
lost to ATV IX only	25729	546.2
lost to all IX	25729	546.2

Potential Interfering Stations Included in above Scenario 2

19A AL HUNTSVILLE	BPRM	20090423ADN	APP
20A GA ATLANTA	BLCDT	20050204AAD	LIC

After Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	4335961	19795.4
not affected by terrain losses	4322484	19417.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25729	546.2
lost to ATV IX only	25729	546.2
lost to all IX	25729	546.2

Potential Interfering Stations Included in above Scenario 2

19A AL HUNTSVILLE	BPRM	20090423ADN	APP
20A GA ATLANTA	BLCDT	20050204AAD	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 13
Scenario 3 Affected station 6
Before Analysis

Results for: 19A GA ATLANTA BLCDT 19981211KE LIC

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

Potential Interfering Stations Included in above Scenario 3

20A GA ATLANTA	BLCDT	20050204AAD	LIC
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After Analysis

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

	POPULATION	AREA (sq km)
within Noise Limited Contour	4335961	19795.4
not affected by terrain losses	4322484	19417.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25729	546.2
lost to ATV IX only	25729	546.2
lost to all IX	25729	546.2

Potential Interfering Stations Included in above Scenario 3

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

Percent new IX = 0.3525%

Worst case new IX 0.3525% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

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

Stations Potentially Affecting This Station

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

Total scenarios = 3

Result key: 14
Scenario 1 Affected station 7
Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 1

19A AL DEMOPOLIS BLEDT 20090511AHE LIC

After Analysis

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

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

lost to all IX 20413 722.9

Potential Interfering Stations Included in above Scenario 1

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

Percent new IX = 0.4220%

Result key: 15
 Scenario 2 Affected station 7
 Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

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

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

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

Percent new IX = 0.0053%

Result key: 16
 Scenario 3 Affected station 7
 Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 3

19A AL DEMOPOLIS BLEDT 20090511AHE LIC

After Analysis

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

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

not affected by terrain losses	4827653	32241.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20413	722.9
lost to ATV IX only	20413	722.9
lost to all IX	20413	722.9

Potential Interfering Stations Included in above Scenario 3

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

Percent new IX = 0.4220%

Worst case new IX 0.4220% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WBKI-TV	CAMPBELLSVILLE KY	BLCDDT	-20080811ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WKYU-TV	BOWLING GREEN KY	101.7	LIC	BLEDT	-20040803AAG
19	WHNT-DR	HUNTSVILLE AL	325.3	APP	BPRM	-20090423ADN
19	WGCL-TV	ATLANTA GA	425.7	LIC	BLCDDT	-19981211KE
19	WGCL-TV	ATLANTA GA	425.8	CP	BPCDDT	-20040220ACX
19	WUSI-TV	OLNEY IL	275.9	LIC	BLEDT	-20060619ABG
19	WVAH-TV	CHARLESTON WV	325.3	CP MOD	BMPCDDT	-20040406AAX
20	WAZE-TV	MADISONVILLE KY	183.9	CP	BPCDDT	-19991101AHC
20	WBXX-TV	CROSSVILLE TN	186.2	LIC	BLCDDT	-20090619ABD
19	WHNT	HUNTSVILLE AL	325.3	APP	USERRECORD-01	

Total scenarios = 3

Result key: 17

Scenario 1 Affected station 8

Before Analysis

Results for: 19A KY CAMPBELLSVILLE BLCDDT 20080811ABA LIC

HAAT 341.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1977348	29507.2
not affected by terrain losses	1952985	28838.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7805	189.3
lost to ATV IX only	7805	189.3
lost to all IX	7805	189.3

Potential Interfering Stations Included in above Scenario 1

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDDT	20090619ABD	LIC

After Analysis

Results for: 19A KY CAMPBELLSVILLE BLCDDT 20080811ABA LIC

HAAT 341.0 m, ATV ERP 1000.0 kW

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

lost to all IX 8645 225.5

Potential Interfering Stations Included in above Scenario 1

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDT	20090619ABD	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0432%

Result key: 18
Scenario 2 Affected station 8
Before Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDT	20090619ABD	LIC

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 2

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDT	20090619ABD	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 19
Scenario 3 Affected station 8
Before Analysis

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

	POPULATION	AREA (sq km)
within Noise Limited Contour	1977348	29507.2
not affected by terrain losses	1952985	28838.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7805	189.3
lost to ATV IX only	7805	189.3
lost to all IX	7805	189.3

Potential Interfering Stations Included in above Scenario 3

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDT	20090619ABD	LIC

After Analysis

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

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

Potential Interfering Stations Included in above Scenario 3

18A KY BOWLING GREEN	BLEDT	20040803AAG	LIC
19A IL OLNEY	BLEDT	20060619ABG	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A TN CROSSVILLE	BLCDT	20090619ABD	LIC
19A AL HUNTSVILLE	USERRECORD01		APP

Percent new IX = 0.0432%

Worst case new IX 0.0432% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

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

Stations Potentially Affecting This Station

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

Total scenarios = 8

Result key: 20

Scenario 1 Affected station 9

Before Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP

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

Potential Interfering Stations Included in above Scenario 1

After Analysis

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

Potential Interfering Stations Included in above Scenario 1

19A AL HUNTSVILLE	USERRECORD01	APP
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Percent new IX = 0.0762%

Result key: 21
Scenario 2 Affected station 9
Before Analysis

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

Potential Interfering Stations Included in above Scenario 2

19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A TN JACKSON	BNPDTL	20100903ABD	APP
20A TN JACKSON	BNPDTL	20100323AAS	APP

After Analysis

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

Potential Interfering Stations Included in above Scenario 2

19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A TN JACKSON	BNPDTL	20100903ABD	APP
20A TN JACKSON	BNPDTL	20100323AAS	APP
19A AL HUNTSVILLE	USERRECORD01	APP	

Percent new IX = 0.0000%

Result key: 22
Scenario 3 Affected station 9
Before Analysis

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

Potential Interfering Stations Included in above Scenario 3

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

After Analysis

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

Potential Interfering Stations Included in above Scenario 3

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

Percent new IX = 0.0000%

Result key: 23
 Scenario 4 Affected station 9
 Before Analysis

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

Potential Interfering Stations Included in above Scenario 4

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

After Analysis

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

Potential Interfering Stations Included in above Scenario 4

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

Percent new IX = 0.0000%

Result key: 24
 Scenario 5 Affected station 9
 Before Analysis

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

Potential Interfering Stations Included in above Scenario 5

19A AL HUNTSVILLE	BPRM	20090423ADN	APP
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After Analysis

Results for: 19N TN JACKSON		BPTTA	20030108AAX	CP
	POPULATION	AREA (sq km)		
within Noise Limited Contour	139030	2903.6		
not affected by terrain losses	139020	2899.5		

lost to NTSC IX	0	0.0
lost to additional IX by ATV	106	4.0
lost to all IX	106	4.0

Potential Interfering Stations Included in above Scenario 5

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

Percent new IX = 0.0000%

Result key: 25
 Scenario 6 Affected station 9
 Before Analysis

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

Potential Interfering Stations Included in above Scenario 6

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

After Analysis

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

Potential Interfering Stations Included in above Scenario 6

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

Percent new IX = 0.0000%

Result key: 26
 Scenario 7 Affected station 9
 Before Analysis

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

Potential Interfering Stations Included in above Scenario 7

19A TN JACKSON	BNPDTL	20100903ABD	APP
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After Analysis

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

Potential Interfering Stations Included in above Scenario 7

19A TN JACKSON BNPDTL 20100903ABD APP
19A AL HUNTSVILLE USERRECORD01 APP

Percent new IX = 0.0000%

Result key: 27
Scenario 8 Affected station 9
Before Analysis

Results for: 19N TN JACKSON BPTTA 20030108AAX CP
POPULATION AREA (sq km)
within Noise Limited Contour 139030 2903.6
not affected by terrain losses 139020 2899.5
lost to NTSC IX 0 0.0
lost to additional IX by ATV 758 48.3
lost to all IX 758 48.3

Potential Interfering Stations Included in above Scenario 8

20A TN JACKSON BNPDTL 20100323AAS APP

After Analysis

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

Potential Interfering Stations Included in above Scenario 8

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

Percent new IX = 0.0762%

Worst case new IX 0.0762% Scenario 1

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Analysis of Interference to Affected Station 10

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

Stations Potentially Affecting This Station

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

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

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

Stations Potentially Affecting This Station

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

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

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

Stations Potentially Affecting This Station

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

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Analysis of current record

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

Stations Potentially Affecting This Station

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

19	WGCL-TV	ATLANTA GA	226.4	CP	BPCDT	-20040220ACX
19	WBKI-TV	CAMPBELLSVILLE KY	325.3	LIC	BLCDT	-20080811ABA
20	WPCB-TV	ATLANTA GA	226.4	LIC	BLCDT	-20050204AAD

Total scenarios = 6

Result key: 28
 Scenario 1 Affected station 13
 Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
 HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33445	1134.2
lost to ATV IX only	33445	1134.2
lost to all IX	33445	1134.2

Potential Interfering Stations Included in above Scenario 1

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

Result key: 29
 Scenario 2 Affected station 13
 Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
 HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59467	1721.4
lost to ATV IX only	59467	1721.4
lost to all IX	59467	1721.4

Potential Interfering Stations Included in above Scenario 2

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

Result key: 30
 Scenario 3 Affected station 13
 Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
 HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1221078	27639.6
lost to ATV IX only	1221078	27639.6
lost to all IX	1221078	27639.6

Potential Interfering Stations Included in above Scenario 3

18A AL BESSEMER	BLCDT	20060421ABG	LIC
19A AL DEMOPOLIS	BLEDT	20090511AHE	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BLCDT	19981211KE	LIC
19A KY CAMPBELLSVILLE	BLCDT	20080811ABA	LIC

Result key: 31

Scenario 4 Affected station 13
Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1221078	27639.6
lost to ATV IX only	1221078	27639.6
lost to all IX	1221078	27639.6

Potential Interfering Stations Included in above Scenario 4

18A AL BESSEMER	BLC DT	20060421ABG	LIC
19A AL DEMOPOLIS	BLE DT	20090511AHE	LIC
19A AL HUNTSVILLE	BPRM	20090423ADN	APP
19A GA ATLANTA	BPC DT	20040220ACX	CP
19A KY CAMPBELLSVILLE	BLC DT	20080811ABA	LIC

Result key: 32
Scenario 5 Affected station 13
Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33445	1134.2
lost to ATV IX only	33445	1134.2
lost to all IX	33445	1134.2

Potential Interfering Stations Included in above Scenario 5

18A AL BESSEMER	BLC DT	20060421ABG	LIC
19A AL DEMOPOLIS	BLE DT	20090511AHE	LIC
19A GA ATLANTA	BLC DT	19981211KE	LIC
19A KY CAMPBELLSVILLE	BLC DT	20080811ABA	LIC

Result key: 33
Scenario 6 Affected station 13
Before Analysis

Results for: 19A AL HUNTSVILLE USERRECORD01 APP
HAAT 533.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1428884	36367.5
not affected by terrain losses	1355632	34211.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59467	1721.4
lost to ATV IX only	59467	1721.4
lost to all IX	59467	1721.4

Potential Interfering Stations Included in above Scenario 6

18A AL BESSEMER	BLC DT	20060421ABG	LIC
19A AL DEMOPOLIS	BLE DT	20090511AHE	LIC
19A GA ATLANTA	BPC DT	20040220ACX	CP
19A KY CAMPBELLSVILLE	BLC DT	20080811ABA	LIC

Proposal fails scenario 3 received IX increased to 89.6%

Proposal fails scenario 4 received IX increased to 89.6%

Proposal is MX with BPRM 20090423ADN in scenario 3

Proposal is MX with BPRM 20090423ADN in scenario 4

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APPENDIX

TRANSMITTING ANTENNA
VERTICAL PLANE PATTERN