

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  
/space/software/cdbbs/pt\_tvdb.sff

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis  
due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

WBPH-TV	09	BETHLEHEM	PA	BMPCDT	20110330AAN
WBPH-TV	09	BETHLEHEM	PA	BLCDT	20060609AAH

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 04-21-2011 Time: 10:18:25

Record Selected for Analysis

WBPH USERRECORD-01 BETHLEHEM PA US  
Channel 09 ERP 120. kW HAAT 299. m RCAMSL 00452 m  
Latitude 040-34-02 Longitude 0075-26-05  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model WBPH\_120\_DA Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits  
Channel 9 ERP = 120.00 HAAT = 299.

Site number	1		
Azimuth	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	120.000	324.5	115.4
45.0	120.000	328.1	115.7
90.0	120.000	307.1	113.9
135.0	120.000	284.8	112.2
180.0	120.000	248.6	109.7
225.0	107.276	228.7	107.4
270.0	92.085	330.4	113.3
315.0	120.000	342.9	116.9

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WBPH        09 BETHLEHEM                    PA USERRECORD01                    Site # 01

and station

SHORT TO: WNJB        08 NEW BRUNSWICK                    NJ BLEDT        20090820AAL  
040-37-17    0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation    79.0 Short    31.0(  
59.0) km

SHORT TO: WNJB        08 NEW BRUNSWICK                    NJ BMPEDT        20110328AAR  
040-37-17    0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation    79.0 Short    31.0(  
59.0) km

SHORT TO: WUSA        09 WASHINGTON                    DC BPCDT        20100625AZO  
038-57- 1    0077-04-47  
Req. separation 244.6 Actual separation 228.3 Short    16.3 km

SHORT TO: WUSA        09 WASHINGTON                    DC BLCDT        20090617ABW  
038-57- 1    0077-04-47  
Req. separation 244.6 Actual separation 228.3 Short    16.3 km

SHORT TO: WBPH-TV    09 BETHLEHEM                    PA DTVPLN        DTVP0209  
40 -33-52    75   -26-24  
Req. separation 244.6 Actual separation    0.5 Short 244.1 km

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 within the Canadian coordination distance

Proposed station is OK toward AM broadcast stations

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*****
                          Start of Interference Analysis
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Proposed Station			
Channel	Call	City/State	ARN
09	WBPH	BETHLEHEM PA	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist (km)	Status	Application	Ref.
08	WNJB	NEW BRUNSWICK NJ	78.8	LIC	BLEDT	
20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	78.8	CP MOD	BMPEDT	
20110328AAR						
08	WICZ-TV	BINGHAMTON NY	170.9	LIC	BLCDT	
20060320AFC						
08	WGAL	LANCASTER PA	116.5	CP	BPCDT	
20100111AER						
08	WGAL	LANCASTER PA	116.5	LIC	BLCDT	
20090804ABL						
09	WEDN	NORWICH CT	293.6	LIC	BLEDT	
20090618ACB						
09	WUSA	WASHINGTON DC	228.2	CP	BPCDT	
20100625AZO						
09	WUSA	WASHINGTON DC	228.2	LIC	BLCDT	
20090617ABW						
09	WMUR-TV	MANCHESTER NH	416.7	CP	BPCDT	
20080407ABS						
09	WVER	RUTLAND VT	393.5	LIC	BLEDT	
20050608AGC						
10	WTNH	NEW HAVEN CT	229.0	LIC	BLCDT	
20040701AEC						
10	WHTM-TV	HARRISBURG PA	131.2	CP	BPCDT	
20080620AGL						
10	WHTM-TV	HARRISBURG PA	131.2	LIC	BLCDT	
20040812AAH						
08	WGAL	LANCASTER PA	116.5	APP	USERRECORD02	

[illegible]

## Analysis of Interference to Affected Station 1

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BLEDT	-20090820AAL

### Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist (km)	Status	Application	Ref.
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDT	-

20051222AAQ							
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDT	-	
20060329ACH							
07	WABC-TV	NEW YORK NY	42.5	APP	BMPCDT	-	
20080620AMV							
07	WABC-TV	NEW YORK NY	45.9	CP	BPCDT	-	
20090626ABL							
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDT	-	
20060320AFC							
08	WWCP-TV	JOHNSTOWN PA	396.3	LIC	BLCDT	-	
20090413AEM							
08	WGAL	LANCASTER PA	190.7	CP	BPCDT	-	
20100111AER							
08	WGAL	LANCASTER PA	190.7	LIC	BLCDT	-	
20090804ABL							
09	WEDN	NORWICH CT	219.8	LIC	BLEDT	-	
20090618ACB							
09	WBPH-TV	BETHLEHEM PA	79.2	PLN	DTVPLN	-	
DTVP0209							
09	WBPH	BETHLEHEM PA	78.8	APP	USERRECORD-01		
08	WGAL	LANCASTER PA	190.7	APP	USERRECORD-02		

Total scenarios = 6

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6039910	3556.3
lost to ATV IX only	6039910	3556.3
lost to all IX	6039910	3556.3

Potential Interfering Stations Included in above Scenario 1

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6102475	4039.8
lost to ATV IX only	6102475	4039.8
lost to all IX	6102475	4039.8

Potential Interfering Stations Included in above Scenario 1

7A NY NEW YORK	BPCDT	20090626ABL	CP
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8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4926%

Result key: 2  
 Scenario 2 Affected station 1  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5731238	3028.8
lost to ATV IX only	5731238	3028.8
lost to all IX	5731238	3028.8

Potential Interfering Stations Included in above Scenario 2

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5821056	3628.2
lost to ATV IX only	5821056	3628.2
lost to all IX	5821056	3628.2

Potential Interfering Stations Included in above Scenario 2

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2  
 8D NJ NEW BRUNSWICK BLEDT 20090820AAL  
 ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000094321

Percent new interference from proposal: 0.6904 to BLEDT  
 20090820AAL

Result key: 3

Scenario 3 Affected station 1  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3631253	3004.8
lost to ATV IX only	3631253	3004.8
lost to all IX	3631253	3004.8

Potential Interfering Stations Included in above Scenario 3

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3693818	3488.3
lost to ATV IX only	3693818	3488.3
lost to all IX	3693818	3488.3

Potential Interfering Stations Included in above Scenario 3

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4141%

Result key: 4  
Scenario 4 Affected station 1  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3316359	2469.4
lost to ATV IX only	3316359	2469.4
lost to all IX	3316359	2469.4

Potential Interfering Stations Included in above Scenario 4

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3406177	3068.8
lost to ATV IX only	3406177	3068.8
lost to all IX	3406177	3068.8

Potential Interfering Stations Included in above Scenario 4

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BLEDT 20090820AAL  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent new interference from proposal: 0.5823 to BLEDT  
20090820AAL

Result key: 5  
Scenario 5 Affected station 1  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3841811	3532.3
lost to ATV IX only	3841811	3532.3
lost to all IX	3841811	3532.3

Potential Interfering Stations Included in above Scenario 5

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7

not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3895689	3963.8
lost to ATV IX only	3895689	3963.8
lost to all IX	3895689	3963.8

Potential Interfering Stations Included in above Scenario 5

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.3616%

Result key: 6  
 Scenario 6 Affected station 1  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6254609	4091.7
lost to ATV IX only	6254609	4091.7
lost to all IX	6254609	4091.7

Potential Interfering Stations Included in above Scenario 6

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20090820AAL LIC  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6308487	4523.2
lost to ATV IX only	6308487	4523.2
lost to all IX	6308487	4523.2

Potential Interfering Stations Included in above Scenario 6

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4315%

Worst case new IX 0.6904% Scenario 2

#####



# Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BMPEDT	-20110328AAR

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-
20051222AAQ						
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-
20060329ACH						
07	WABC-TV	NEW YORK NY	42.5	APP	BMPCDDT	-
20080620AMV						
07	WABC-TV	NEW YORK NY	45.9	CP	BPCDDT	-
20090626ABL						
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-
20060320AFC						
08	WWCP-TV	JOHNSTOWN PA	396.3	LIC	BLCDDT	-
20090413AEM						
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-
20100111AER						
08	WGAL	LANCASTER PA	190.7	LIC	BLCDDT	-
20090804ABL						
09	WEDN	NORWICH CT	219.8	LIC	BLEDT	-
20090618ACB						
09	WBPH-TV	BETHLEHEM PA	79.2	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	78.8	APP	USERRECORD-01	
08	WGAL	LANCASTER PA	190.7	APP	USERRECORD-02	

Total scenarios = 6

Result key: 7  
Scenario 1 Affected station 2  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4335533	3932.0
lost to ATV IX only	4335533	3932.0
lost to all IX	4335533	3932.0

## Potential Interfering Stations Included in above Scenario 1

7A NY NEW YORK	BPCDDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4412083	4459.5
lost to ATV IX only	4412083	4459.5
lost to all IX	4412083	4459.5

Potential Interfering Stations Included in above Scenario 1

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4913%

Result key: 8  
Scenario 2 Affected station 2  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3833524	3420.5
lost to ATV IX only	3833524	3420.5
lost to all IX	3833524	3420.5

Potential Interfering Stations Included in above Scenario 2

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3944259	4059.9
lost to ATV IX only	3944259	4059.9
lost to all IX	3944259	4059.9

Potential Interfering Stations Included in above Scenario 2

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.  
9D PA BETHLEHEM USERRECORD01

ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2  
8D NJ NEW BRUNSWICK BMPEDT 20110328AAR  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000104545

Percent new interference from proposal: 0.6885 to BMPEDT  
20110328AAR

Result key: 9  
Scenario 3 Affected station 2  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3087084	3376.6
lost to ATV IX only	3087084	3376.6
lost to all IX	3087084	3376.6

Potential Interfering Stations Included in above Scenario 3

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3163634	3904.0
lost to ATV IX only	3163634	3904.0
lost to all IX	3163634	3904.0

Potential Interfering Stations Included in above Scenario 3

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4549%

Result key: 10  
Scenario 4 Affected station 2  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2582481	2857.1
lost to ATV IX only	2582481	2857.1
lost to all IX	2582481	2857.1

Potential Interfering Stations Included in above Scenario 4

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2693216	3496.4
lost to ATV IX only	2693216	3496.4
lost to all IX	2693216	3496.4

Potential Interfering Stations Included in above Scenario 4

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BMPEDT 20110328AAR  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000104545

Percent new interference from proposal: 0.6388 to BMPEDT  
20110328AAR

Result key: 11  
Scenario 5 Affected station 2  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3290872	3948.0
lost to ATV IX only	3290872	3948.0
lost to all IX	3290872	3948.0

Potential Interfering Stations Included in above Scenario 5

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3349432	4379.5
lost to ATV IX only	3349432	4379.5
lost to all IX	3349432	4379.5

Potential Interfering Stations Included in above Scenario 5

7A NY NEW YORK	BMPCDT	20080620AMV	APP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.3522%

Result key: 12  
 Scenario 6 Affected station 2  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4534823	4487.4
lost to ATV IX only	4534823	4487.4
lost to all IX	4534823	4487.4

Potential Interfering Stations Included in above Scenario 6

7A NY NEW YORK	BPCDDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20110328AAR CP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4593383	4919.0
lost to ATV IX only	4593383	4919.0
lost to all IX	4593383	4919.0

Potential Interfering Stations Included in above Scenario 6

7A NY NEW YORK	BPCDT	20090626ABL	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	USERRECORD02		APP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.3807%

Worst case new IX 0.6885% Scenario 2

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WICZ-TV	BINGHAMTON NY	BLCDT	-20060320AFC

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	WXXA-TV	ALBANY NY	171.0	LIC	BLCDT	-
20051222AAQ						
07	WBNG-TV	BINGHAMTON NY	0.7	LIC	BLCDT	-
20060329ACH						
07	WWNY-TV	CARTHAGE NY	211.7	LIC	BLCDT	-
20090622AGM						
07	WABC-TV	NEW YORK NY	219.8	APP	BMPCDT	-
20080620AMV						
07	WABC-TV	NEW YORK NY	218.6	CP	BPCDT	-
20090626ABL						
08	WNJB	NEW BRUNSWICK NJ	199.7	LIC	BLEDT	-
20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	199.7	CP MOD	BMPEDT	-
20110328AAR						
08	WWCP-TV	JOHNSTOWN PA	339.9	LIC	BLCDT	-
20090413AEM						
08	WGAL	LANCASTER PA	231.7	CP	BPCDT	-
20100111AER						
08	WGAL	LANCASTER PA	231.7	LIC	BLCDT	-
20090804ABL						
09	WBPH-TV	BETHLEHEM PA	171.1	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	170.9	APP	USERRECORD-01	
08	WGAL	LANCASTER PA	231.7	APP	USERRECORD-02	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WGAL	LANCASTER PA	BPCDT	-20100111AER

# Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	WJLA-TV	WASHINGTON DC	126.8	CP MOD	BMPCDT	-
20100624	AHO					
07	WJLA-TV	WASHINGTON DC	126.8	LIC	BLCDDT	-
20090615	ABY					
08	WNJB	NEW BRUNSWICK NJ	190.7	LIC	BLEDT	-
20090820	AAL					
08	WNJB	NEW BRUNSWICK NJ	190.7	CP MOD	BMPEDT	-
20110328	AAR					
08	WICZ-TV	BINGHAMTON NY	231.7	LIC	BLCDDT	-
20060320	AFC					
08	WWCP-TV	JOHNSTOWN PA	215.9	LIC	BLCDDT	-
20090413	AEM					
09	WUSA	WASHINGTON DC	126.8	CP	BPCDDT	-
20100625	AZO					
09	WUSA	WASHINGTON DC	126.8	LIC	BLCDDT	-
20090617	ABW					
09	WBPH-TV	BETHLEHEM PA	116.0	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	116.5	APP	USERRECORD-01	

Total scenarios = 8

Result key: 13  
Scenario 1 Affected station 4  
Before Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	520060	1560.0
lost to ATV IX only	520060	1560.0
lost to all IX	520060	1560.0

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	592992	2019.6
lost to ATV IX only	592992	2019.6
lost to all IX	592992	2019.6

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 1

8D PA LANCASTER BPCDDT 20100111AER  
ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2784 to BPCDDT  
20100111AER

Result key: 14  
Scenario 2 Affected station 4  
Before Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	477109	1459.2
lost to ATV IX only	477109	1459.2
lost to all IX	477109	1459.2

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	550041	1918.8
lost to ATV IX only	550041	1918.8
lost to all IX	550041	1918.8

Potential Interfering Stations Included in above Scenario 2



7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2

8D PA LANCASTER BPCDDT 20100111AER  
 ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 9999999999999999

Percent new interference from proposal: 1.2689 to BPCDDT  
 20100111AER

Result key: 15  
 Scenario 3 Affected station 4  
 Before Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
 HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	633023	1947.0
lost to ATV IX only	633023	1947.0
lost to all IX	633023	1947.0

Potential Interfering Stations Included in above Scenario 3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDDT 20100111AER CP  
 HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	689967	2293.7
lost to ATV IX only	689967	2293.7
lost to all IX	689967	2293.7

Potential Interfering Stations Included in above Scenario 3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC

8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM	USERRECORD01
ERP 120.00 kW HAAT 299.0 m	RCAMSL 452.0 m
Antenna usr WBPH_120_DA	

Due to interference to the following station and scenario: 3

8D PA LANCASTER	BPCDT	20100111AER
ERP 32.20 kW HAAT 419.0 m	RCAMSL	556.0 m
Antenna CDB 9999999999999999		

Percent new interference from proposal: 1.0183 to BPCDT  
20100111AER

Result key: 16  
Scenario 4 Affected station 4  
Before Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	590072	1846.2
lost to ATV IX only	590072	1846.2
lost to all IX	590072	1846.2

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	647016	2192.9
lost to ATV IX only	647016	2192.9
lost to all IX	647016	2192.9

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM                      USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario:                      4

8D PA LANCASTER                      BPCDT                      20100111AER  
ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 9999999999999999

Percent new interference from proposal:                      1.0106 to BPCDT  
20100111AER

Result key:                      17  
Scenario                      5      Affected station                      4  
Before Analysis

Results for: 8A PA LANCASTER                      BPCDT                      20100111AER      CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	520060	1560.0
lost to ATV IX only	520060	1560.0
lost to all IX	520060	1560.0

Potential Interfering Stations Included in above Scenario                      5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER                      BPCDT                      20100111AER      CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	592992	2019.6
lost to ATV IX only	592992	2019.6
lost to all IX	592992	2019.6

Potential Interfering Stations Included in above Scenario                      5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM                      USERRECORD01

ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 5  
8D PA LANCASTER BPCDT 20100111AER  
ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2784 to BPCDT  
20100111AER

Result key: 18  
Scenario 6 Affected station 4  
Before Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	457511	1394.7
lost to ATV IX only	457511	1394.7
lost to all IX	457511	1394.7

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	530443	1854.3
lost to ATV IX only	530443	1854.3
lost to all IX	530443	1854.3

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 6  
 8D PA LANCASTER BPCDT 20100111AER  
 ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 1.2646 to BPCDT  
 20100111AER

Result key: 19  
 Scenario 7 Affected station 4  
 Before Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
 HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	633023	1947.0
lost to ATV IX only	633023	1947.0
lost to all IX	633023	1947.0

Potential Interfering Stations Included in above Scenario 7

7A DC WASHINGTON	BLCDDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
 HAAT 419.0 m, ATV ERP 32.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7163708	38899.7
not affected by terrain losses	6224866	33897.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	689967	2293.7
lost to ATV IX only	689967	2293.7
lost to all IX	689967	2293.7

Potential Interfering Stations Included in above Scenario 7

7A DC WASHINGTON	BLCDDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 7  
 8D PA LANCASTER BPCDT 20100111AER  
 ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m

Antenna CDB 999999999999999

Percent new interference from proposal: 1.0183 to BPCDT  
20100111AER

Result key: 20  
Scenario 8 Affected station 4  
Before Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 7163708 38899.7  
not affected by terrain losses 6224866 33897.2  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 570474 1781.7  
lost to ATV IX only 570474 1781.7  
lost to all IX 570474 1781.7

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BPCDT 20100111AER CP  
HAAT 419.0 m, ATV ERP 32.2 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 7163708 38899.7  
not affected by terrain losses 6224866 33897.2  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 627418 2128.4  
lost to ATV IX only 627418 2128.4  
lost to all IX 627418 2128.4

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 8  
8D PA LANCASTER BPCDT 20100111AER  
ERP 32.20 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.0071 to BPCDT

20100111AER

Worst case new IX 1.2784% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WGAL	LANCASTER PA	BLCDT	-20090804ABL

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	WJLA-TV	WASHINGTON DC	126.8	CP MOD	BMPCDT	-
20100624AHO						
07	WJLA-TV	WASHINGTON DC	126.8	LIC	BLCDT	-
20090615ABY						
08	WNJB	NEW BRUNSWICK NJ	190.7	LIC	BLEDT	-
20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	190.7	CP MOD	BMPEDT	-
20110328AAR						
08	WICZ-TV	BINGHAMTON NY	231.7	LIC	BLCDT	-
20060320AFC						
08	WWCP-TV	JOHNSTOWN PA	215.9	LIC	BLCDT	-
20090413AEM						
09	WUSA	WASHINGTON DC	126.8	CP	BPCDT	-
20100625AZO						
09	WUSA	WASHINGTON DC	126.8	LIC	BLCDT	-
20090617ABW						
09	WBPH-TV	BETHLEHEM PA	116.0	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	116.5	APP	USERRECORD-01	

Total scenarios = 8

Result key: 21  
Scenario 1 Affected station 5  
Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	409474	1080.4
lost to ATV IX only	409474	1080.4
lost to all IX	409474	1080.4

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC

8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

# After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	440613	1390.8
lost to ATV IX only	440613	1390.8
lost to all IX	440613	1390.8

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 1

8D PA LANCASTER BLCDT 20090804ABL  
 ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 0.6229 to BLCDT  
 20090804ABL

Result key: 22  
 Scenario 2 Affected station 5  
 Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	363998	971.5
lost to ATV IX only	363998	971.5
lost to all IX	363998	971.5

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN



After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	395137	1281.9
lost to ATV IX only	395137	1281.9
lost to all IX	395137	1281.9

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2

8D PA LANCASTER BLCDT 20090804ABL  
ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 99999999999999

Percent new interference from proposal: 0.6173 to BLCDT  
20090804ABL

Result key: 23  
Scenario 3 Affected station 5  
Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	498435	1390.8
lost to ATV IX only	498435	1390.8
lost to all IX	498435	1390.8

Potential Interfering Stations Included in above Scenario 3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	524124	1648.8
lost to ATV IX only	524124	1648.8
lost to all IX	524124	1648.8

Potential Interfering Stations Included in above Scenario 3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 3

8D PA LANCASTER BLCDT 20090804ABL  
ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 0.5232 to BLCDT  
20090804ABL

Result key: 24  
Scenario 4 Affected station 5  
Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	453141	1286.0
lost to ATV IX only	453141	1286.0
lost to all IX	453141	1286.0

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

POPULATION	AREA (sq km)
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within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	478830	1544.0
lost to ATV IX only	478830	1544.0
lost to all IX	478830	1544.0

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4

8D PA LANCASTER BLCDDT 20090804ABL  
 ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 9999999999999999

Percent new interference from proposal: 0.5184 to BLCDDT  
 20090804ABL

Result key: 25  
 Scenario 5 Affected station 5  
 Before Analysis

Results for: 8A PA LANCASTER BLCDDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	409474	1080.4
lost to ATV IX only	409474	1080.4
lost to all IX	409474	1080.4

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BLCDDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0

lost to additional IX by ATV	440613	1390.8
lost to ATV IX only	440613	1390.8
lost to all IX	440613	1390.8

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 5

8D PA LANCASTER BLCDT 20090804ABL  
ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 0.6229 to BLCDT  
20090804ABL

Result key: 26  
Scenario 6 Affected station 5  
Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	285683	890.9
lost to ATV IX only	285683	890.9
lost to all IX	285683	890.9

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	316822	1201.3
lost to ATV IX only	316822	1201.3
lost to all IX	316822	1201.3

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 6

8D PA LANCASTER BLCDT 20090804ABL  
 ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 0.6079 to BLCDT  
 20090804ABL

Result key: 27  
 Scenario 7 Affected station 5  
 Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	498435	1390.8
lost to ATV IX only	498435	1390.8
lost to all IX	498435	1390.8

Potential Interfering Stations Included in above Scenario 7

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	524124	1648.8
lost to ATV IX only	524124	1648.8
lost to all IX	524124	1648.8

Potential Interfering Stations Included in above Scenario 7

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 7

8D PA LANCASTER BLCDT 20090804ABL  
 ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 0.5232 to BLCDT  
 20090804ABL

Result key: 28  
 Scenario 8 Affected station 5  
 Before Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	379742	1213.4
lost to ATV IX only	379742	1213.4
lost to all IX	379742	1213.4

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER BLCDT 20090804ABL LIC  
 HAAT 419.0 m, ATV ERP 14.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6092987	33906.8
not affected by terrain losses	5408153	29726.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	405431	1471.4
lost to ATV IX only	405431	1471.4
lost to all IX	405431	1471.4

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC

8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 8

8D PA LANCASTER BLCDT 20090804ABL  
 ERP 14.10 kW HAAT 419.0 m RCAMSL 556.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 0.5109 to BLCDT  
 20090804ABL

Worst case new IX 0.6229% Scenario 1

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# Analysis of Interference to Affected Station 6

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WEDN	NORWICH CT	BLEDT	-20090618ACB

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
08	WNJB	NEW BRUNSWICK NJ	219.8	LIC	BLEDT	-
20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	219.8	CP MOD	BMPEDT	-
20110328AAR						
09	WMUR-TV	MANCHESTER NH	169.4	CP	BPCDT	-
20080407ABS						
09	WBPH-TV	BETHLEHEM PA	294.2	PLN	DTVPLN	-
DTVP0209						
09	WVER	RUTLAND VT	249.8	LIC	BLEDT	-
20050608AGC						
10	WTNH	NEW HAVEN CT	66.2	LIC	BLCDT	-
20040701AEC						
10	WWDP	NORWELL MA	107.8	LIC	BLCDT	-
20090227ABX						
10	WWDP	NORWELL MA	107.8	CP MOD	BMPCDT	-
20080620AIP						
09	WBPH	BETHLEHEM PA	293.6	APP	USERRECORD-01	

Total scenarios = 2

Result key: 29

Scenario 1 Affected station 6  
 Before Analysis

Results for: 9A CT NORWICH BLEDT 20090618ACB LIC  
 HAAT 192.0 m, ATV ERP 4.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3318044	17289.9
not affected by terrain losses	2523671	15938.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	591097	1645.9
lost to ATV IX only	591097	1645.9
lost to all IX	591097	1645.9

Potential Interfering Stations Included in above Scenario 1

9A NH MANCHESTER	BPCDT	20080407ABS	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A CT NEW HAVEN	BLCDDT	20040701AEC	LIC
10A MA NORWELL	BLCDDT	20090227ABX	LIC

After Analysis

Results for: 9A CT NORWICH BLEDT 20090618ACB LIC  
 HAAT 192.0 m, ATV ERP 4.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3318044	17289.9
not affected by terrain losses	2523671	15938.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	593313	1658.0
lost to ATV IX only	593313	1658.0
lost to all IX	593313	1658.0

Potential Interfering Stations Included in above Scenario 1

9A NH MANCHESTER	BPCDT	20080407ABS	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A CT NEW HAVEN	BLCDDT	20040701AEC	LIC
10A MA NORWELL	BLCDDT	20090227ABX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1147%

Result key: 30  
 Scenario 2 Affected station 6  
 Before Analysis

Results for: 9A CT NORWICH BLEDT 20090618ACB LIC  
 HAAT 192.0 m, ATV ERP 4.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3318044	17289.9
not affected by terrain losses	2523671	15938.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	619393	1674.1
lost to ATV IX only	619393	1674.1
lost to all IX	619393	1674.1

Potential Interfering Stations Included in above Scenario 2

9A NH MANCHESTER	BPCDT	20080407ABS	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A CT NEW HAVEN	BLCDDT	20040701AEC	LIC
10A MA NORWELL	BMPCDDT	20080620AIP	CP

After Analysis

Results for: 9A CT NORWICH BLEDT 20090618ACB LIC



HAAT 192.0 m, ATV ERP 4.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	3318044	17289.9
not affected by terrain losses	2523671	15938.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	621609	1686.2
lost to ATV IX only	621609	1686.2
lost to all IX	621609	1686.2

Potential Interfering Stations Included in above Scenario 2

9A NH MANCHESTER	BPCDT	20080407ABS	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A CT NEW HAVEN	BLCDDT	20040701AEC	LIC
10A MA NORWELL	BMPCDT	20080620AIP	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1164%

Worst case new IX 0.1164% Scenario 2

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WUSA	WASHINGTON DC	BPCDT	-20100625AZO

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
08	WWCP-TV	JOHNSTOWN PA	224.1	LIC	BLCDDT	-
20090413AEM						
08	WGAL	LANCASTER PA	126.8	CP	BPCDDT	-
20100111AER						
08	WGAL	LANCASTER PA	126.8	LIC	BLCDDT	-
20090804ABL						
09	WSKY-TV	MANTEO NC	278.5	LIC	BLCDDT	-
20100514ADM						
09	WTOV-TV	STEUBENVILLE OH	340.2	APP	BPCDDT	-
20110308ABN						
09	WTOV-TV	STEUBENVILLE OH	340.2	LIC	BLCDDT	-
20090507AAC						
09	WBPH-TV	BETHLEHEM PA	227.6	PLN	DTVPLN	-
DTVP0209						
10	WHTM-TV	HARRISBURG PA	152.2	CP	BPCDDT	-
20080620AGL						
10	WHTM-TV	HARRISBURG PA	152.2	LIC	BLCDDT	-
20040812AAH						
09	WBPH	BETHLEHEM PA	228.2	APP	USERRECORD-01	
08	WGAL	LANCASTER PA	126.8	APP	USERRECORD-02	

Total scenarios = 6

Result key: 31  
Scenario 1 Affected station 7

Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	49869	1196.2
lost to ATV IX only	49869	1196.2
lost to all IX	49869	1196.2

Potential Interfering Stations Included in above Scenario 1

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	173977	2560.3
lost to ATV IX only	173977	2560.3
lost to all IX	173977	2560.3

Potential Interfering Stations Included in above Scenario 1

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 1

9D DC WASHINGTON BPCDT 20100625AZO  
ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.6428 to BPCDT  
20100625AZO

Result key: 32  
Scenario 2 Affected station 7  
Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	44002	1140.1
lost to ATV IX only	44002	1140.1
lost to all IX	44002	1140.1

Potential Interfering Stations Included in above Scenario 2

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	170851	2540.3
lost to ATV IX only	170851	2540.3
lost to all IX	170851	2540.3

Potential Interfering Stations Included in above Scenario 2

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2

9D DC WASHINGTON BPCDT 20100625AZO  
ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.6777 to BPCDT  
20100625AZO

Result key: 33  
Scenario 3 Affected station 7  
Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	49926	1200.2
lost to ATV IX only	49926	1200.2

lost to all IX 49926 1200.2

Potential Interfering Stations Included in above Scenario 3

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	173977	2560.3
lost to ATV IX only	173977	2560.3
lost to all IX	173977	2560.3

Potential Interfering Stations Included in above Scenario 3

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 3

9D DC WASHINGTON BPCDT 20100625AZO  
ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.6420 to BPCDT  
20100625AZO

Result key: 34  
Scenario 4 Affected station 7  
Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	44059	1144.1
lost to ATV IX only	44059	1144.1
lost to all IX	44059	1144.1

Potential Interfering Stations Included in above Scenario 4

8A PA LANCASTER	BLCDT	20090804ABL	LIC
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9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
 HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	170851	2540.3
lost to ATV IX only	170851	2540.3
lost to all IX	170851	2540.3

Potential Interfering Stations Included in above Scenario 4

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4

9D DC WASHINGTON BPCDT 20100625AZO  
 ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 1.6770 to BPCDT  
 20100625AZO

Result key: 35  
 Scenario 5 Affected station 7  
 Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
 HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52688	1244.2
lost to ATV IX only	52688	1244.2
lost to all IX	52688	1244.2

Potential Interfering Stations Included in above Scenario 5

8A PA LANCASTER	USERRECORD02		APP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	176204	2588.3
lost to ATV IX only	176204	2588.3
lost to all IX	176204	2588.3

Potential Interfering Stations Included in above Scenario 5

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT 20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT 20110308ABN	APP
10A PA HARRISBURG	BPCDT 20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01	APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 5

9D DC WASHINGTON BPCDT 20100625AZO  
ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.6355 to BPCDT  
20100625AZO

Result key: 36  
Scenario 6 Affected station 7  
Before Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52631	1240.2
lost to ATV IX only	52631	1240.2
lost to all IX	52631	1240.2

Potential Interfering Stations Included in above Scenario 6

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT 20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT 20090507AAC	LIC
10A PA HARRISBURG	BPCDT 20080620AGL	CP
9A PA BETHLEHEM	DTVPLN DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BPCDT 20100625AZO CP  
HAAT 236.0 m, ATV ERP 52.0 kW

POPULATION	AREA (sq km)
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within Noise Limited Contour	7914337	32752.2
not affected by terrain losses	7604761	30263.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	176204	2588.3
lost to ATV IX only	176204	2588.3
lost to all IX	176204	2588.3

Potential Interfering Stations Included in above Scenario 6

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT 20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT 20090507AAC	LIC
10A PA HARRISBURG	BPCDT 20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01	APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 6

9D DC WASHINGTON BPCDT 20100625AZO  
 ERP 52.00 kW HAAT 236.0 m RCAMSL 309.0 m  
 Antenna CDB 999999999999999

Percent new interference from proposal: 1.6363 to BPCDT  
 20100625AZO

Worst case new IX 1.6777% Scenario 2

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WUSA	WASHINGTON DC	BLCDT	-20090617ABW

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
08	WWCP-TV	JOHNSTOWN PA	224.1	LIC	BLCDT	-
20090413AEM						
08	WGAL	LANCASTER PA	126.8	CP	BPCDT	-
20100111AER						
08	WGAL	LANCASTER PA	126.8	LIC	BLCDT	-
20090804ABL						
09	WSKY-TV	MANTEO NC	278.5	LIC	BLCDT	-
20100514ADM						
09	WTOV-TV	STEUBENVILLE OH	340.2	APP	BPCDT	-
20110308ABN						
09	WTOV-TV	STEUBENVILLE OH	340.2	LIC	BLCDT	-
20090507AAC						
09	WBPH-TV	BETHLEHEM PA	227.6	PLN	DTVPLN	-
DTVP0209						
10	WHTM-TV	HARRISBURG PA	152.2	CP	BPCDT	-
20080620AGL						

10	WHTM-TV	HARRISBURG PA	152.2	LIC	BLCDT	-
20040812AAH						
09	WBPH	BETHLEHEM PA	228.2	APP	USERRECORD-01	
08	WGAL	LANCASTER PA	126.8	APP	USERRECORD-02	

Total scenarios = 6

Result key: 37  
Scenario 1 Affected station 8  
Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	49703	776.1
lost to ATV IX only	49703	776.1
lost to all IX	49703	776.1

Potential Interfering Stations Included in above Scenario 1

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	139980	1764.2
lost to ATV IX only	139980	1764.2
lost to all IX	139980	1764.2

Potential Interfering Stations Included in above Scenario 1

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 1

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 9999999999999999

Percent new interference from proposal: 1.2537 to BLCDT



20090617ABW

Result key: 38  
Scenario 2 Affected station 8  
Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 7353356 25990.7  
not affected by terrain losses 7250428 24214.5  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 48557 748.1  
lost to ATV IX only 48557 748.1  
lost to all IX 48557 748.1

Potential Interfering Stations Included in above Scenario 2

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 7353356 25990.7  
not affected by terrain losses 7250428 24214.5  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 139980 1764.2  
lost to ATV IX only 139980 1764.2  
lost to all IX 139980 1764.2

Potential Interfering Stations Included in above Scenario 2

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 2

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 99999999999999

Percent new interference from proposal: 1.2694 to BLCDT  
20090617ABW

Result key: 39  
Scenario 3 Affected station 8

Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	49760	780.1
lost to ATV IX only	49760	780.1
lost to all IX	49760	780.1

Potential Interfering Stations Included in above Scenario 3

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	140037	1768.2
lost to ATV IX only	140037	1768.2
lost to all IX	140037	1768.2

Potential Interfering Stations Included in above Scenario 3

8A PA LANCASTER	BPCDT	20100111AER	CP
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 3

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2537 to BLCDT  
20090617ABW

Result key: 40  
Scenario 4 Affected station 8  
Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	48614	752.1
lost to ATV IX only	48614	752.1
lost to all IX	48614	752.1

Potential Interfering Stations Included in above Scenario 4

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	140037	1768.2
lost to ATV IX only	140037	1768.2
lost to all IX	140037	1768.2

Potential Interfering Stations Included in above Scenario 4

8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT	20110308ABN	APP
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2694 to BLCDT  
20090617ABW

Result key: 41  
Scenario 5 Affected station 8  
Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52105	820.1
lost to ATV IX only	52105	820.1

lost to all IX 52105 820.1

Potential Interfering Stations Included in above Scenario 5

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT 20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT 20110308ABN	APP
10A PA HARRISBURG	BPCDT 20080620AGL	CP
9A PA BETHLEHEM	DTVPLN DTVP0209	PLN

After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	141143	1784.2
lost to ATV IX only	141143	1784.2
lost to all IX	141143	1784.2

Potential Interfering Stations Included in above Scenario 5

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT 20100514ADM	LIC
9A OH STEUBENVILLE	BPCDT 20110308ABN	APP
10A PA HARRISBURG	BPCDT 20080620AGL	CP
9A PA BETHLEHEM	USERRECORD01	APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 5

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2369 to BLCDT  
20090617ABW

Result key: 42  
Scenario 6 Affected station 8  
Before Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52048	816.1
lost to ATV IX only	52048	816.1
lost to all IX	52048	816.1

Potential Interfering Stations Included in above Scenario 6

8A PA LANCASTER	USERRECORD02	APP
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9A NC MANTEO	BLCDT	20100514ADM	LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 9A DC WASHINGTON BLCDT 20090617ABW LIC  
HAAT 235.0 m, ATV ERP 12.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7353356	25990.7
not affected by terrain losses	7250428	24214.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	141086	1780.2
lost to ATV IX only	141086	1780.2
lost to all IX	141086	1780.2

Potential Interfering Stations Included in above Scenario 6

8A PA LANCASTER	USERRECORD02	APP
9A NC MANTEO	BLCDT	20100514ADM LIC
9A OH STEUBENVILLE	BLCDT	20090507AAC LIC
10A PA HARRISBURG	BPCDT	20080620AGL CP
9A PA BETHLEHEM	USERRECORD01	APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 6

9D DC WASHINGTON BLCDT 20090617ABW  
ERP 12.60 kW HAAT 235.0 m RCAMSL 308.0 m  
Antenna CDB 999999999999999

Percent new interference from proposal: 1.2369 to BLCDT  
20090617ABW

Worst case new IX 1.2694% Scenario 4

#####

#### Analysis of Interference to Affected Station 9

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	WMUR-TV	MANCHESTER NH	BPCDT -20080407ABS

##### Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
08	WMTW	POLAND SPRING ME	116.8	LIC	BLCDT -
20090622ACH					
09	WEDN	NORWICH CT	169.4	LIC	BLEDT -
20090618ACB					
09	WMEB-TV	ORONO ME	277.5	LIC	BLEDT -
20020508AAS					

09	WBPH-TV	BETHLEHEM PA	417.2	PLN	DTVPLN	-
DTVP0209						
09	WVER	RUTLAND VT	143.8	LIC	BLEDT	-
20050608AGC						
10	WTNH	NEW HAVEN CT	206.5	LIC	BLCDDT	-
20040701AEC						
10	WWDP	NORWELL MA	117.0	LIC	BLCDDT	-
20090227ABX						
10	WWDP	NORWELL MA	117.0	CP MOD	BMPCDDT	-
20080620AIP						
10	WCBH	AUGUSTA ME	182.0	LIC	BLEDT	-
20090227AAF						
09	WBPH	BETHLEHEM PA	416.7	APP	USERRECORD-01	
Proposal causes no interference						

#####

# Analysis of Interference to Affected Station 10

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WVER	RUTLAND VT	BLEDT	-20050608AGC

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
08	WMTW	POLAND SPRING ME	189.4	LIC	BLCDDT	-
20090622ACH						
09	WEDN	NORWICH CT	249.8	LIC	BLEDT	-
20090618ACB						
09	WMEB-TV	ORONO ME	341.3	LIC	BLEDT	-
20020508AAS						
09	WMUR-TV	MANCHESTER NH	143.8	CP	BPCDDT	-
20080407ABS						
09	WBPH-TV	BETHLEHEM PA	394.0	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	393.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 43

Scenario 1 Affected station 10  
Before Analysis

Results for: 9A VT RUTLAND BLEDT 20050608AGC LIC  
HAAT 385.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	740886	29306.7
not affected by terrain losses	559975	22818.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17387	1209.8
lost to ATV IX only	17387	1209.8
lost to all IX	17387	1209.8

Potential Interfering Stations Included in above Scenario 1

9A CT NORWICH BLEDT 20090618ACB LIC

9A ME ORONO	BLEDT	20020508AAS	LIC
9A NH MANCHESTER	BPCDT	20080407ABS	CP

# After Analysis

Results for: 9A VT RUTLAND BLEDT 20050608AGC LIC  
 HAAT 385.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	740886	29306.7
not affected by terrain losses	559975	22818.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18301	1233.8
lost to ATV IX only	18301	1233.8
lost to all IX	18301	1233.8

Potential Interfering Stations Included in above Scenario 1

9A CT NORWICH	BLEDT	20090618ACB	LIC
9A ME ORONO	BLEDT	20020508AAS	LIC
9A NH MANCHESTER	BPCDT	20080407ABS	CP
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1685%

Worst case new IX 0.1685% Scenario 1

#####

## Analysis of Interference to Affected Station 11

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WTNH	NEW HAVEN CT	BLCDDT	-20040701AEC

### Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
09	WEDN	NORWICH CT	66.2	LIC	BLEDT	-
					20090618ACB	
09	WMUR-TV	MANCHESTER NH	206.5	CP	BPCDDT	-
					20080407ABS	
10	WWDP	NORWELL MA	171.1	LIC	BLCDDT	-
					20090227ABX	
10	WWDP	NORWELL MA	171.1	CP MOD	BMPCDDT	-
					20080620AIP	
10	WCBB	AUGUSTA ME	386.9	LIC	BLEDT	-
					20090227AAF	
10	WHEC-TV	ROCHESTER NY	425.8	CP	BPCDDT	-
					20080425AAZ	
10	WHEC-TV	ROCHESTER NY	425.8	APP	BMPCDDT	-
					20080620ABS	
10	WHTM-TV	HARRISBURG PA	357.9	CP	BPCDDT	-
					20080620AGL	
10	WHTM-TV	HARRISBURG PA	357.9	LIC	BLCDDT	-
					20040812AAH	
11	WWLP	SPRINGFIELD MA	76.4	LIC	BLCDDT	-
					20090612AJV	
11	WPIX	NEW YORK NY	118.9	APP	BMPCDDT	-

20080620ALB						
11	WPIX	NEW YORK NY	114.6	LIC	BLCDDT	-
20090911ABN						
09	WBPH	BETHLEHEM PA	229.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

# Analysis of Interference to Affected Station 12

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WHTM-TV	HARRISBURG PA	BPCDDT	-20080620AGL

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
09	WUSA	WASHINGTON DC	152.2	CP	BPCDDT	-
20100625AZO						
09	WUSA	WASHINGTON DC	152.2	LIC	BLCDDT	-
20090617ABW						
09	WBPH-TV	BETHLEHEM PA	130.7	PLN	DTVPLN	-
DTVP0209						
10	WTNH	NEW HAVEN CT	357.9	LIC	BLCDDT	-
20040701AEC						
10	WHEC-TV	ROCHESTER NY	317.7	CP	BPCDDT	-
20080425AAZ						
10	WHEC-TV	ROCHESTER NY	317.7	APP	BMPCDDT	-
20080620ABS						
10	WOIO	SHAKER HEIGHTS OH	416.3	LIC	BLCDDT	-
19991110AAR						
10	WOIO	SHAKER HEIGHTS OH	416.3	CP	BPCDDT	-
20080620AKW						
10	WVFX	CLARKSBURG WV	310.9	LIC	BLCDDT	-
20090612AJY						
11	WBAL-TV	BALTIMORE MD	112.0	APP	BPCDDT	-
20100429AAF						
11	WBAL-TV	BALTIMORE MD	112.0	LIC	BLCDDT	-
20090619ABW						
11	WBRE-TV	WILKES-BARRE PA	132.3	LIC	BLCDDT	-
20051123AJX						
09	WBPH	BETHLEHEM PA	131.2	APP	USERRECORD-01	

Total scenarios = 8

Result key: 44

Scenario 1 Affected station 12

Before Analysis

Results for: 10A PA HARRISBURG BPCDDT 20080620AGL CP

HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0



lost to additional IX by ATV	112892	582.4
lost to ATV IX only	112892	582.4
lost to all IX	112892	582.4

Potential Interfering Stations Included in above Scenario 1

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	125166	747.1
lost to ATV IX only	125166	747.1
lost to all IX	125166	747.1

Potential Interfering Stations Included in above Scenario 1

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4712%

Result key: 45  
 Scenario 2 Affected station 12  
 Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	112742	574.4
lost to ATV IX only	112742	574.4
lost to all IX	112742	574.4

Potential Interfering Stations Included in above Scenario 2

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	125016	739.1
lost to ATV IX only	125016	739.1
lost to all IX	125016	739.1

Potential Interfering Stations Included in above Scenario 2

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4712%

Result key: 46  
 Scenario 3 Affected station 12  
 Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151199	915.8
lost to ATV IX only	151199	915.8
lost to all IX	151199	915.8

Potential Interfering Stations Included in above Scenario 3

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163473	1080.5
lost to ATV IX only	163473	1080.5
lost to all IX	163473	1080.5

Potential Interfering Stations Included in above Scenario 3

9A DC WASHINGTON	BPCDT	20100625AZO	CP
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10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4782%

Result key: 47  
 Scenario 4 Affected station 12  
 Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151247	919.9
lost to ATV IX only	151247	919.9
lost to all IX	151247	919.9

Potential Interfering Stations Included in above Scenario 4

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163521	1084.6
lost to ATV IX only	163521	1084.6
lost to all IX	163521	1084.6

Potential Interfering Stations Included in above Scenario 4

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4783%

Result key: 48  
 Scenario 5 Affected station 12  
 Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP

HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	112940	586.5
lost to ATV IX only	112940	586.5
lost to all IX	112940	586.5

Potential Interfering Stations Included in above Scenario 5

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	125214	751.2
lost to ATV IX only	125214	751.2
lost to all IX	125214	751.2

Potential Interfering Stations Included in above Scenario 5

9A DC WASHINGTON	BPCDT	20100625AZO	CP
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4712%

Result key: 49

Scenario 6 Affected station 12

Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151199	911.8
lost to ATV IX only	151199	911.8
lost to all IX	151199	911.8

Potential Interfering Stations Included in above Scenario 6

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP

10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

#### After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163473	1076.5
lost to ATV IX only	163473	1076.5
lost to all IX	163473	1076.5

Potential Interfering Stations Included in above Scenario 6

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4782%

Result key: 50  
 Scenario 7 Affected station 12  
 Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151247	915.8
lost to ATV IX only	151247	915.8
lost to all IX	151247	915.8

Potential Interfering Stations Included in above Scenario 7

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

#### After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
 HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163521	1080.5
lost to ATV IX only	163521	1080.5

lost to all IX 163521 1080.5

Potential Interfering Stations Included in above Scenario 7

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4783%

Result key: 51  
Scenario 8 Affected station 12  
Before Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	112790	578.4
lost to ATV IX only	112790	578.4
lost to all IX	112790	578.4

Potential Interfering Stations Included in above Scenario 8

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BPCDT 20080620AGL CP  
HAAT 346.0 m, ATV ERP 19.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3313390	32203.2
not affected by terrain losses	2717640	26997.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	125064	743.1
lost to ATV IX only	125064	743.1
lost to all IX	125064	743.1

Potential Interfering Stations Included in above Scenario 8

9A DC WASHINGTON	BLCDT	20090617ABW	LIC
10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.4712%

Worst case new IX      0.4783% Scenario      4

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Analysis of Interference to Affected Station    13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WHTM-TV	HARRISBURG PA	BLCDDT	-20040812AAH

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
09	WUSA	WASHINGTON DC	152.2	CP	BPCDDT	-
20100625AZO						
09	WUSA	WASHINGTON DC	152.2	LIC	BLCDDT	-
20090617ABW						
09	WBPH-TV	BETHLEHEM PA	130.7	PLN	DTVPLN	-
DTVP0209						
10	WTNH	NEW HAVEN CT	357.9	LIC	BLCDDT	-
20040701AEC						
10	WHEC-TV	ROCHESTER NY	317.7	CP	BPCDDT	-
20080425AAZ						
10	WHEC-TV	ROCHESTER NY	317.7	APP	BMPCDDT	-
20080620ABS						
10	WOIO	SHAKER HEIGHTS OH	416.3	LIC	BLCDDT	-
19991110AAR						
10	WOIO	SHAKER HEIGHTS OH	416.3	CP	BPCDDT	-
20080620AKW						
10	WVFX	CLARKSBURG WV	310.9	LIC	BLCDDT	-
20090612AJY						
11	WBAL-TV	BALTIMORE MD	112.0	APP	BPCDDT	-
20100429AAF						
11	WBAL-TV	BALTIMORE MD	112.0	LIC	BLCDDT	-
20090619ABW						
11	WBRE-TV	WILKES-BARRE PA	132.3	LIC	BLCDDT	-
20051123AJX						
09	WBPH	BETHLEHEM PA	131.2	APP	USERRECORD-01	

Total scenarios =    4

Result key:            52

Scenario            1    Affected station            13

Before Analysis

Results for: 10A PA HARRISBURG            BLCDDT            20040812AAH    LIC

HAAT    311.0 m, ATV ERP    16.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2581897	26203.0
not affected by terrain losses	2135057	22050.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18305	245.0
lost to ATV IX only	18305	245.0
lost to all IX	18305	245.0

Potential Interfering Stations Included in above Scenario    1

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

#### After Analysis

Results for: 10A PA HARRISBURG	BLCDT	20040812AAH	LIC
HAAT 311.0 m, ATV ERP 16.2 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2581897	26203.0	
not affected by terrain losses	2135057	22050.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	22405	309.2	
lost to ATV IX only	22405	309.2	
lost to all IX	22405	309.2	

Potential Interfering Stations Included in above Scenario 1

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1937%

Result key: 53  
 Scenario 2 Affected station 13  
 Before Analysis

Results for: 10A PA HARRISBURG	BLCDT	20040812AAH	LIC
HAAT 311.0 m, ATV ERP 16.2 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2581897	26203.0	
not affected by terrain losses	2135057	22050.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	39613	433.7	
lost to ATV IX only	39613	433.7	
lost to all IX	39613	433.7	

Potential Interfering Stations Included in above Scenario 2

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

#### After Analysis

Results for: 10A PA HARRISBURG	BLCDT	20040812AAH	LIC
HAAT 311.0 m, ATV ERP 16.2 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2581897	26203.0	
not affected by terrain losses	2135057	22050.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	43713	498.0	
lost to ATV IX only	43713	498.0	



lost to all IX 43713 498.0

Potential Interfering Stations Included in above Scenario 2

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BPCDT	20080425AAZ	CP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1957%

Result key: 54  
Scenario 3 Affected station 13  
Before Analysis

Results for: 10A PA HARRISBURG BLCDT 20040812AAH LIC  
HAAT 311.0 m, ATV ERP 16.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2581897	26203.0
not affected by terrain losses	2135057	22050.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	39613	433.7
lost to ATV IX only	39613	433.7
lost to all IX	39613	433.7

Potential Interfering Stations Included in above Scenario 3

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BLCDT 20040812AAH LIC  
HAAT 311.0 m, ATV ERP 16.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2581897	26203.0
not affected by terrain losses	2135057	22050.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	43713	498.0
lost to ATV IX only	43713	498.0
lost to all IX	43713	498.0

Potential Interfering Stations Included in above Scenario 3

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BPCDT	20100429AAF	APP
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1957%

Result key: 55  
Scenario 4 Affected station 13  
Before Analysis

Results for: 10A PA HARRISBURG BLCDT 20040812AAH LIC  
HAAT 311.0 m, ATV ERP 16.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2581897	26203.0
not affected by terrain losses	2135057	22050.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18305	245.0
lost to ATV IX only	18305	245.0
lost to all IX	18305	245.0

Potential Interfering Stations Included in above Scenario 4

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC

After Analysis

Results for: 10A PA HARRISBURG BLCDT 20040812AAH LIC  
HAAT 311.0 m, ATV ERP 16.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2581897	26203.0
not affected by terrain losses	2135057	22050.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22405	309.2
lost to ATV IX only	22405	309.2
lost to all IX	22405	309.2

Potential Interfering Stations Included in above Scenario 4

10A CT NEW HAVEN	BLCDT	20040701AEC	LIC
10A NY ROCHESTER	BMPCDT	20080620ABS	APP
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
11A MD BALTIMORE	BLCDT	20090619ABW	LIC
11A PA WILKES-BARRE	BLCDT	20051123AJX	LIC
9A PA BETHLEHEM	USERRECORD01		APP

Percent new IX = 0.1937%

Worst case new IX 0.1957% Scenario 2

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WGAL	LANCASTER PA	USERRECORD-02

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	WJLA-TV	WASHINGTON DC	126.8	CP MOD	BMPCDT -
20100624AHO					
07	WJLA-TV	WASHINGTON DC	126.8	LIC	BLCDT -

20090615ABY						
08	WNJB	NEW BRUNSWICK NJ	190.7	LIC	BLEDT	-
20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	190.7	CP MOD	BMPEDT	-
20110328AAR						
08	WICZ-TV	BINGHAMTON NY	231.7	LIC	BLCDDT	-
20060320AFC						
08	WWCP-TV	JOHNSTOWN PA	215.9	LIC	BLCDDT	-
20090413AEM						
09	WUSA	WASHINGTON DC	126.8	CP	BPCDDT	-
20100625AZO						
09	WUSA	WASHINGTON DC	126.8	LIC	BLCDDT	-
20090617ABW						
09	WBPH-TV	BETHLEHEM PA	116.0	PLN	DTVPLN	-
DTVP0209						
09	WBPH	BETHLEHEM PA	116.5	APP	USERRECORD-01	

Total scenarios = 8

Result key: 56  
 Scenario 1 Affected station 14  
 Before Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
 HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	828609	2055.8
lost to ATV IX only	828609	2055.8
lost to all IX	828609	2055.8

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
 HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	929059	2616.1
lost to ATV IX only	929059	2616.1
lost to all IX	929059	2616.1

Potential Interfering Stations Included in above Scenario 1

7A DC WASHINGTON	BMPCDDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC

9A DC WASHINGTON BPCDT 20100625AZO CP  
9A PA BETHLEHEM USERRECORD01 APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 1

8D PA LANCASTER USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal: 1.6532 to USERRECORD02

Result key: 57  
Scenario 2 Affected station 14  
Before Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	811289	1979.2
lost to ATV IX only	811289	1979.2
lost to all IX	811289	1979.2

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	911739	2539.5
lost to ATV IX only	911739	2539.5
lost to all IX	911739	2539.5

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM                      USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario:                      2

8D PA LANCASTER                      USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal:                      1.6485 to USERRECORD02

Result key:                      58  
Scenario                      3      Affected station                      14  
Before Analysis

Results for: 8A PA LANCASTER                      USERRECORD02                      APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	911599	2515.3
lost to ATV IX only	911599	2515.3
lost to all IX	911599	2515.3

Potential Interfering Stations Included in above Scenario                      3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER                      USERRECORD02                      APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	984939	2922.4
lost to ATV IX only	984939	2922.4
lost to all IX	984939	2922.4

Potential Interfering Stations Included in above Scenario                      3

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM                      USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 3  
8D PA LANCASTER USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal: 1.2237 to USERRECORD02

Result key: 59  
Scenario 4 Affected station 14  
Before Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	894279	2438.7
lost to ATV IX only	894279	2438.7
lost to all IX	894279	2438.7

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	967619	2845.8
lost to ATV IX only	967619	2845.8
lost to all IX	967619	2845.8

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	CP
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 4  
8D PA LANCASTER USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal: 1.2202 to USERRECORD02

Result key: 60  
Scenario 5 Affected station 14  
Before Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	828609	2055.8
lost to ATV IX only	828609	2055.8
lost to all IX	828609	2055.8

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	929059	2616.1
lost to ATV IX only	929059	2616.1
lost to all IX	929059	2616.1

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 5  
8D PA LANCASTER USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal: 1.6532 to USERRECORD02

Result key: 61  
Scenario 6 Affected station 14  
Before Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	777508	1914.7
lost to ATV IX only	777508	1914.7
lost to all IX	777508	1914.7

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	877958	2475.0
lost to ATV IX only	877958	2475.0
lost to all IX	877958	2475.0

Potential Interfering Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 6

8D PA LANCASTER USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal: 1.6394 to USERRECORD02

Result key: 62  
Scenario 7 Affected station 14  
Before Analysis



Results for: 8A PA LANCASTER                      USERRECORD02                      APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	911599	2515.3
lost to ATV IX only	911599	2515.3
lost to all IX	911599	2515.3

Potential Interfering Stations Included in above Scenario                      7

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 8A PA LANCASTER                      USERRECORD02                      APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	984939	2922.4
lost to ATV IX only	984939	2922.4
lost to all IX	984939	2922.4

Potential Interfering Stations Included in above Scenario                      7

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM                      USERRECORD01  
ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario:                      7

8D PA LANCASTER                      USERRECORD02  
ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
Antenna none

Percent new interference from proposal:                      1.2237 to USERRECORD02

Result key:                      63  
Scenario                      8 Affected station                      14  
Before Analysis

Results for: 8A PA LANCASTER                      USERRECORD02                      APP  
HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8

not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	860498	2374.2
lost to ATV IX only	860498	2374.2
lost to all IX	860498	2374.2

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	DTVPLN	DTVP0209	PLN

#### After Analysis

Results for: 8A PA LANCASTER USERRECORD02 APP  
 HAAT 418.0 m, ATV ERP 59.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8334125	42985.8
not affected by terrain losses	6904877	37334.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	933838	2781.3
lost to ATV IX only	933838	2781.3
lost to all IX	933838	2781.3

Potential Interfering Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA JOHNSTOWN	BLCDT	20090413AEM	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A PA BETHLEHEM	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D PA BETHLEHEM USERRECORD01  
 ERP 120.00 kW HAAT 299.0 m RCAMSL 452.0 m  
 Antenna usr WBPH\_120\_DA

Due to interference to the following station and scenario: 8

8D PA LANCASTER USERRECORD02  
 ERP 59.00 kW HAAT 418.0 m RCAMSL 556.0 m  
 Antenna none

Percent new interference from proposal: 1.2134 to USERRECORD02

Worst case new IX 1.6532% Scenario 1

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02 scenario 1 of station 14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              2 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              3 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              4 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              5 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              6 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              7 of station      14

Proposed station is MX

9A PA BETHLEHEM	USERRECORD01	APP
8A PA LANCASTER	USERRECORD02	APP

Proposal MX with USERRECORD02                      scenario              8 of station      14

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Analysis of Interference to Affected Station    15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	WBPH	BETHLEHEM PA	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
08	WNJB	NEW BRUNSWICK NJ	78.8	LIC	BLEDT -

20090820AAL						
08	WNJB	NEW BRUNSWICK NJ	78.8	CP MOD	BMPEDT	-
20110328AAR						
08	WICZ-TV	BINGHAMTON NY	170.9	LIC	BLCDDT	-
20060320AFC						
08	WGAL	LANCASTER PA	116.5	CP	BPCDDT	-
20100111AER						
08	WGAL	LANCASTER PA	116.5	LIC	BLCDDT	-
20090804ABL						
09	WEDN	NORWICH CT	293.6	LIC	BLEDDT	-
20090618ACB						
09	WUSA	WASHINGTON DC	228.2	CP	BPCDDT	-
20100625AZO						
09	WUSA	WASHINGTON DC	228.2	LIC	BLCDDT	-
20090617ABW						
09	WMUR-TV	MANCHESTER NH	416.7	CP	BPCDDT	-
20080407ABS						
09	WVER	RUTLAND VT	393.5	LIC	BLEDDT	-
20050608AGC						
10	WTNH	NEW HAVEN CT	229.0	LIC	BLCDDT	-
20040701AEC						
10	WHTM-TV	HARRISBURG PA	131.2	CP	BPCDDT	-
20080620AGL						
10	WHTM-TV	HARRISBURG PA	131.2	LIC	BLCDDT	-
20040812AAH						
08	WGAL	LANCASTER PA	116.5	APP	USERRECORD-02	

Total scenarios = 24

Result key: 64  
 Scenario 1 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2188809	3819.4
lost to ATV IX only	2188809	3819.4
lost to all IX	2188809	3819.4

Potential Interfering Stations Included in above Scenario 1

8A NJ NEW BRUNSWICK	BLEDDT	20090820AAL	LIC
8A PA LANCASTER	BPCDDT	20100111AER	CP
9A CT NORWICH	BLEDDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 65  
 Scenario 2 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6

not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2180955	3751.4
lost to ATV IX only	2180955	3751.4
lost to all IX	2180955	3751.4

Potential Interfering Stations Included in above Scenario 2

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 66  
 Scenario 3 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP

HAAT 299.0 m, ATV ERP 120.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2016312	3159.5
lost to ATV IX only	2016312	3159.5
lost to all IX	2016312	3159.5

Potential Interfering Stations Included in above Scenario 3

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP

Result key: 67  
 Scenario 4 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP

HAAT 299.0 m, ATV ERP 120.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2008054	3087.5
lost to ATV IX only	2008054	3087.5
lost to all IX	2008054	3087.5

Potential Interfering Stations Included in above Scenario 4

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 68  
Scenario 5 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2132200	3583.4
lost to ATV IX only	2132200	3583.4
lost to all IX	2132200	3583.4

Potential Interfering Stations Included in above Scenario 5

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 69  
Scenario 6 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2117701	3483.4
lost to ATV IX only	2117701	3483.4
lost to all IX	2117701	3483.4

Potential Interfering Stations Included in above Scenario 6

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 70  
Scenario 7 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1957744	2903.5
lost to ATV IX only	1957744	2903.5
lost to all IX	1957744	2903.5

Potential Interfering Stations Included in above Scenario 7

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP

Result key: 71  
 Scenario 8 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1942062	2791.6
lost to ATV IX only	1942062	2791.6
lost to all IX	1942062	2791.6

Potential Interfering Stations Included in above Scenario 8

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	BLCDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDT	20040812AAH	LIC

Result key: 72  
 Scenario 9 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2263633	3959.4
lost to ATV IX only	2263633	3959.4
lost to all IX	2263633	3959.4

Potential Interfering Stations Included in above Scenario 9

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP

Result key: 73  
 Scenario 10 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2255779	3891.4
lost to ATV IX only	2255779	3891.4
lost to all IX	2255779	3891.4

Potential Interfering Stations Included in above Scenario 10

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 74

Scenario 11 Affected station 15

Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2091136	3299.5
lost to ATV IX only	2091136	3299.5
lost to all IX	2091136	3299.5

Potential Interfering Stations Included in above Scenario 11

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP

Result key: 75

Scenario 12 Affected station 15

Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2082878	3227.5
lost to ATV IX only	2082878	3227.5
lost to all IX	2082878	3227.5

Potential Interfering Stations Included in above Scenario 12

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BPCDT	20100111AER	CP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC



Result key: 76  
Scenario 13 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2207024	3723.4
lost to ATV IX only	2207024	3723.4
lost to all IX	2207024	3723.4

Potential Interfering Stations Included in above Scenario 13

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 77  
Scenario 14 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2192525	3623.4
lost to ATV IX only	2192525	3623.4
lost to all IX	2192525	3623.4

Potential Interfering Stations Included in above Scenario 14

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 78  
Scenario 15 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2032568	3043.5
lost to ATV IX only	2032568	3043.5
lost to all IX	2032568	3043.5

Potential Interfering Stations Included in above Scenario 15

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 79  
 Scenario 16 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2016886	2931.5
lost to ATV IX only	2016886	2931.5
lost to all IX	2016886	2931.5

Potential Interfering Stations Included in above Scenario 16

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	BLCDDT	20090804ABL	LIC
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 80  
 Scenario 17 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2208663	3967.4
lost to ATV IX only	2208663	3967.4
lost to all IX	2208663	3967.4

Potential Interfering Stations Included in above Scenario 17

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 81  
 Scenario 18 Affected station 15  
 Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
 HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2202745	3927.4
lost to ATV IX only	2202745	3927.4
lost to all IX	2202745	3927.4

Potential Interfering Stations Included in above Scenario 18

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

Result key: 82  
Scenario 19 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2036505	3319.5
lost to ATV IX only	2036505	3319.5
lost to all IX	2036505	3319.5

Potential Interfering Stations Included in above Scenario 19

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 83  
Scenario 20 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2030183	3275.5
lost to ATV IX only	2030183	3275.5
lost to all IX	2030183	3275.5

Potential Interfering Stations Included in above Scenario 20

8A NJ NEW BRUNSWICK	BLEDT	20090820AAL	LIC
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC

10A PA HARRISBURG                      BLCDT              20040812AAH    LIC

Result key:              84  
Scenario              21    Affected station              15  
Before Analysis

Results for:    9A PA BETHLEHEM                      USERRECORD01                      APP  
            HAAT    299.0 m, ATV ERP    120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2283487	4107.4
lost to ATV IX only	2283487	4107.4
lost to all IX	2283487	4107.4

Potential Interfering Stations Included in above Scenario              21

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDT	20080620AGL	CP

Result key:              85  
Scenario              22    Affected station              15  
Before Analysis

Results for:    9A PA BETHLEHEM                      USERRECORD01                      APP  
            HAAT    299.0 m, ATV ERP    120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2277569	4067.4
lost to ATV IX only	2277569	4067.4
lost to all IX	2277569	4067.4

Potential Interfering Stations Included in above Scenario              22

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BPCDT	20100625AZO	CP
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDT	20040812AAH	LIC

Result key:              86  
Scenario              23    Affected station              15  
Before Analysis

Results for:    9A PA BETHLEHEM                      USERRECORD01                      APP  
            HAAT    299.0 m, ATV ERP    120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2111329	3459.5
lost to ATV IX only	2111329	3459.5
lost to all IX	2111329	3459.5

Potential Interfering Stations Included in above Scenario 23

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BPCDDT	20080620AGL	CP

Result key: 87  
Scenario 24 Affected station 15  
Before Analysis

Results for: 9A PA BETHLEHEM USERRECORD01 APP  
HAAT 299.0 m, ATV ERP 120.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12970033	40221.6
not affected by terrain losses	11440202	35730.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2105007	3415.5
lost to ATV IX only	2105007	3415.5
lost to all IX	2105007	3415.5

Potential Interfering Stations Included in above Scenario 24

8A NJ NEW BRUNSWICK	BMPEDT	20110328AAR	CP
8A PA LANCASTER	USERRECORD02		APP
9A CT NORWICH	BLEDT	20090618ACB	LIC
9A DC WASHINGTON	BLCDDT	20090617ABW	LIC
9A VT RUTLAND	BLEDT	20050608AGC	LIC
10A PA HARRISBURG	BLCDDT	20040812AAH	LIC

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