

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-31-2012

Record Selected for Analysis (Record is a DTS)

WSAH BDTs -30000101AAA BRIDGEPORT CT US
Channel 42 ERP 780 kW HAAT 169 m RCAMSL 284.5 m
Latitude 41 -21-43 Longitude 73 -06-48
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model TFU-26JTH-R Beam tilt N Ref Azimuth 0.0
Last update Cutoff date 40000101 Docket
Comments
Applicant

WSAH BDTs -30000101AAA BRIDGEPORT CT US
Channel 42 ERP 50.0 kW HAAT 367 m RCAMSL 381 m
Latitude 40 -44-54 Longitude 73 -59-10
Status APP Zone 1 Border Site number: 02
Dir Antenna Make usr Model TUA-C2-6/12U Beam tilt N Ref Azimuth 142.0
Last update Cutoff date 40000101 Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

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

Facility (site # 02) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	780.000	113.6	74.4	
45.0	780.000	138.9	76.7	
90.0	780.000	196.5	81.5	
135.0	780.000	227.7	84.1	
180.0	780.000	223.6	83.8	
225.0	780.000	152.4	77.8	
270.0	780.000	146.3	77.3	
315.0	780.000	169.5	79.3	

Site number	2			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	45.219	345.4	77.7	
45.0	28.460	371.7	76.9	
90.0	44.537	368.6	79.6	
135.0	15.318	370.0	72.7	
180.0	0.028	366.1	36.1	
225.0	0.000	381.0	1.5	
270.0	0.000	370.3	6.5	
315.0	5.030	367.3	65.7	

Evaluation toward Class A Stations from site # 01

Contour overlap to Class A station
W28AJ 28 ALLINGTOWN CT BLTTL 20010608AAO

Evaluation toward Class A Stations from site # 02

No Spacing violations or contour overlap

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

to Class A stations from site # 02

Class A Evaluation Complete

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
Distance to border = 393.8km

Proposed facility is beyond the Mexican coordination distance

Proposed station is 1.76km from AM station
ANSONIA CT WADS Status: L Antenna: DAD

Checks to Site Number 02

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
Distance to border = 395.7km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
42	WSAH	BRIDGEPORT CT	BDTS 30000101AAA

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	W28AJ	ALLINGTOWN CT	14.5	LIC	BLTTL 20010608AAO
28	WFXQ-CD	SPRINGFIELD MA	87.2	CP	BPTTA 20081017AHG
39	WDVB-CA	EDISON NJ	135.8	APP	BSTA 20111018ASY
39	WDVB-CA	EDISON NJ	135.8	CP	BPTTA 20090309AAZ
41	WEDY	NEW HAVEN CT	17.6	CP	BPEDT 20110512AAI
41	WEDY-DR	NEW HAVEN CT	17.6	APP	BPRM 20090713ABS
41	WLVI	CAMBRIDGE MA	188.6	LIC	BLCDT 20110325AAM
42	WHDH	BOSTON MA	189.2	LIC	BLCDT 20101217AAX
42	WHDH-DR	BOSTON MA	189.2	APP	BPRM 20090706ABZ
42	WMPT	ANNAPOLIS MD	395.5	LIC	BLEDT 20100813BHC
42	WSKG-TV	BINGHAMTON NY	247.5	LIC	BLEDT 20050526ACA
42	WTFX-TV	PHILADELPHIA PA	231.6	LIC	BLCDT 20090615AAE
42	WTFX-TV	PHILADELPHIA PA	231.6	CP MOD	BMPCDT 20080616AAQ
43	WGBX-TV	BOSTON MA	187.7	LIC	BLEDT 20021219AAN
43	WNJT	TRENTON NJ	178.6	LIC	BLEDT 20110427ABE
43	WCWN	SCHENECTADY NY	158.8	LIC	BLCDT 20110504ABZ
50	WRDM-CA	HARTFORD CT	55.0	LIC	BLTTA 20060303ABE
50	WRIW-CA	PROVIDENCE RI	138.3	LIC	BLTTL 19990104JC

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Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application Ref. No.
28	W28AJ	ALLINGTOWN CT	BLTTL -20010608AAO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

20	WCCT-TV	WATERBURY CT	47.2	APP	BMPCDT	-20080620AHG
20	WTXX	WATERBURY CT	47.2	PLN	DTVPLN	-DTVP0704
20	WCCT-TV	WATERBURY CT	47.2	LIC	BLCDT	-20090911ABK
21	WLIW	GARDEN CITY NY	69.1	LIC	BLEDT	-20090612AEP
21	WLIW	GARDEN CITY NY	69.1	PLN	DTVPLN	-DTVP0756
21	WLIW	GARDEN CITY NY	69.1	APP	BMPEDT	-20080620AID
24	WNYE-TV	NEW YORK NY	104.1	LIC	BLEDT	-20071228ABM
24	WNYE-TV	NEW YORK NY	104.1	PLN	DTVPLN	-DTVP0880
24	WNYE-TV	NEW YORK NY	104.1	CP MOD	BMPEDT	-20070124AAX
26	WHPX-TV	NEW LONDON CT	65.7	CP	BPCDT	-20080313ABQ
26	WHPX	NEW LONDON CT	65.7	PLN	DTVPLN	-DTVP0936
26	WHPX-TV	NEW LONDON CT	65.7	LIC	BLCDT	-20090612AII
27	WTBY-TV	POUGHKEEPSIE NY	84.7	LIC	BLCDT	-20090902ACZ
27	WTBY-TV	POUGHKEEPSIE NY	84.7	PLN	DTVPLN	-DTVP0996
28	WFXQ-CD	SPRINGFIELD MA	90.9	CP	BPTTA	-20081017AHG
28	WFXQ-CD	SPRINGFIELD MA	110.0	LIC	BLDTA	-20100126ADA
28	WCPB	SALISBURY MD	393.0	CP	BPEDT	-20080318AAC
28	WCPB	SALISBURY MD	393.0	PLN	DTVPLN	-DTVP1026
28	WCPB	SALISBURY MD	393.0	LIC	BLEDT	-20090209AEM
28	WNBC	NEW YORK NY	108.8	PLN	DTVPLN	-DTVP1032
28	WNBC	NEW YORK NY	108.8	APP	BPCDT	-20080620ADL
28	WNBC	NEW YORK NY	104.6	STA	BDSTA	-20041220ADE
28	WNBC	NEW YORK NY	104.6	LIC	BLCDT	-20080409AAM
29	WFME-TV	WEST MILFORD NJ	121.6	LIC	BLEDT	-20040712ACP
29	WFME-TV	WEST MILFORD NJ	121.6	PLN	DTVPLN	-DTVP1067
30	WFUT-DT	NEWARK NJ	104.6	LIC	BLCDT	-20090618ABZ
30	WFUT-TV	NEWARK NJ	104.1	PLN	DTVPLN	-DTVP1101
31	WTIC-TV	HARTFORD CT	47.2	LIC	BLCDT	-20101222AAE
31	WTIC-TV	HARTFORD CT	47.2	PLN	DTVPLN	-DTVP1122
31	WPXN-TV	NEW YORK NY	108.8	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	108.8	PLN	DTVPLN	-DTVP1145
31	WPXN-TV	NEW YORK NY	104.6	LIC	BLCDT	-20110729AAQ
35	WVIT	NEW BRITAIN CT	46.8	LIC	BLCDT	-20041203AEF
35	WVIT	NEW BRITAIN CT	46.8	PLN	DTVPLN	-DTVP1276
36	WNJU	LINDEN NJ	120.2	LIC	BLCDT	-20080514ADL
36	WNJU	LINDEN NJ	104.6	PLN	DTVPLN	-DTVP1334
36	WNJU	LINDEN NJ	104.6	CP	BPCDT	-20111220AFK
42	WSAH	BRIDGEPORT CT	14.5	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	14.5	PLN	DTVPLN	-DTVP1493
42	WSAH	BRIDGEPORT CT	14.5	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	104.6	APP	BDTS	-30000101AAA

Total scenarios = 4

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 28N CT ALLINGTOWN		BLTTL	20010608AAO	LIC
	POPULATION	AREA (sq km)		
within Noise Limited Contour	210202	156.1		
not affected by terrain losses	204399	152.1		
lost to NTSC IX	16549	12.0		
lost to additional IX by ATV	30070	56.1		
lost to all IX	46619	68.1		

Potential Interfering Stations Included in above Scenario 1

28N MA SPRINGFIELD	BPTTA	20081017AHG	CP
28A NY NEW YORK	DTVPLN	DTVP1032	PLN
42A CT BRIDGEPORT	DTVPLN	DTVP1493	PLN

After Analysis

Results for: 28N CT ALLINGTOWN		BLTTL	20010608AAO	LIC
	POPULATION	AREA (sq km)		
within Noise Limited Contour	210202	156.1		
not affected by terrain losses	204399	152.1		
lost to NTSC IX	16549	12.0		
lost to additional IX by ATV	30070	56.1		
lost to all IX	46619	68.1		

Potential Interfering Stations Included in above Scenario 1

28N MA SPRINGFIELD	BPTTA	20081017AHG	CP
28A NY NEW YORK	DTVPLN	DTVP1032	PLN
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	WFXQ-CD	SPRINGFIELD MA	BPTTA	-20081017AHG

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WDVB-CA	EDISON NJ	BSTA	-20111018ASY

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WDVB-CA	EDISON NJ	BPTTA	-20090309AAZ

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WEDY	NEW HAVEN CT	BPEDT	-20110512AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WGGB-TV	SPRINGFIELD MA	103.7	LIC	BLCDDT	-20100702BBL
40	WGGB-TV	SPRINGFIELD MA	103.7	PLN	DTVPLN	-DTVP1434
40	WDPX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDDT	-20110615ABP
40	WDPX	VINEYARD HAVEN MA	216.8	PLN	DTVPLN	-DTVP1435
40	WXTV-DT	PATERSON NJ	111.1	LIC	BLCDDT	-20050214AGS
40	WXTV	PATERSON NJ	111.1	PLN	DTVPLN	-DTVP1442
40	WXTV-DT	PATERSON NJ	111.1	CP	BPCDDT	-20110629AAI
41	WEDY-DR	NEW HAVEN CT	0.0	APP	BPRM	-20090713ABS
41	WLVI	CAMBRIDGE MA	176.9	LIC	BLCDDT	-20110325AAM
41	WUTB	BALTIMORE MD	397.6	LIC	BLCDDT	-20100809CHT
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN	-DTVP1474
41	WPBS-DT	WATERTOWN NY	364.1	CP	BPEDT	-20080619ABP
41	WPBS-TV	WATERTOWN NY	364.1	PLN	DTVPLN	-DTVP1478
41	WPBS-DT	WATERTOWN NY	364.1	LIC	BLEDT	-20050923AGH
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT	-20120319AAB
41	WVIA-TV	SCRANTON PA	248.2	PLN	DTVPLN	-DTVP1481
42	WSAH	BRIDGEPORT CT	17.6	PLN	DTVPLN	-DTVP1493
42	WHDH	BOSTON MA	177.6	LIC	BLCDDT	-20101217AAX
42	WHDH-DR	BOSTON MA	177.6	APP	BPRM	-20090706ABZ
42	WSAH	BRIDGEPORT CT	17.6	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	111.1	APP	BDTS	-30000101AAA

Total scenarios = 36

Result key: 17
Scenario 13 Affected station 5

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Before Analysis

Results for: 41A CT NEW HAVEN BPEDT 20110512AAI CP
HAAT 94.0 m, ATV ERP 60.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3164616	10631.3
not affected by terrain losses	3079624	10231.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2715057	8790.1
lost to ATV IX only	2715057	8790.1
lost to all IX	2715057	8790.1

Potential Interfering Stations Included in above Scenario 13

40A MA SPRINGFIELD	BLCDDT	20100702BBL	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
41A CT NEW HAVEN	BPRM	20090713ABS	APP
41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	DTVPLN	DTVP1493	PLN

After Analysis

Results for: 41A CT NEW HAVEN BPEDT 20110512AAI CP
HAAT 94.0 m, ATV ERP 60.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3164616	10631.3
not affected by terrain losses	3079624	10231.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2715057	8790.1
lost to ATV IX only	2715057	8790.1
lost to all IX	2715057	8790.1

Potential Interfering Stations Included in above Scenario 13

40A MA SPRINGFIELD	BLCDDT	20100702BBL	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
41A CT NEW HAVEN	BPRM	20090713ABS	APP
41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 13

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WEDY-DR	NEW HAVEN CT	BPRM	-20090713ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WGGB-TV	SPRINGFIELD MA	103.7	LIC	BLCDDT	-20100702BBL
40	WGGB-TV	SPRINGFIELD MA	103.7	PLN	DTVPLN	-DTVP1434
40	WDPX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDDT	-20110615ABP
40	WDPX	VINEYARD HAVEN MA	216.8	PLN	DTVPLN	-DTVP1435
40	WXTV-DT	PATERSON NJ	111.1	LIC	BLCDDT	-20050214AGS
40	WXTV	PATERSON NJ	111.1	PLN	DTVPLN	-DTVP1442
40	WXTV-DT	PATERSON NJ	111.1	CP	BPCDDT	-20110629AAI
41	WEDY	NEW HAVEN CT	0.0	CP	BPEDT	-20110512AAI
41	WLVI	CAMBRIDGE MA	176.9	LIC	BLCDDT	-20110325AAM
41	WUTB	BALTIMORE MD	397.6	LIC	BLCDDT	-20100809CHT
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN	-DTVP1474
41	WPBS-DT	WATERTOWN NY	364.1	CP	BPEDT	-20080619ABP
41	WPBS-TV	WATERTOWN NY	364.1	PLN	DTVPLN	-DTVP1478
41	WPBS-DT	WATERTOWN NY	364.1	LIC	BLEDT	-20050923AGH
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT	-20120319AAB
41	WVIA-TV	SCRANTON PA	248.2	PLN	DTVPLN	-DTVP1481
42	WSAH	BRIDGEPORT CT	17.6	PLN	DTVPLN	-DTVP1493
42	WHDH	BOSTON MA	177.6	LIC	BLCDDT	-20101217AAX
42	WHDH-DR	BOSTON MA	177.6	APP	BPRM	-20090706ABZ
42	WSAH	BRIDGEPORT CT	17.6	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	111.1	APP	BDTS	-30000101AAA

Total scenarios = 12

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Result key: 41
Scenario 1 Affected station 6
Before Analysis

Results for: 41A CT NEW HAVEN BPRM 20090713ABS APP
HAAT 88.0 m, ATV ERP 60.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 3129168 10511.3
not affected by terrain losses 3050373 10123.0
lost to NTSC IX 0 0.0
lost to additional IX by ATV 2685226 8690.1
lost to ATV IX only 2685226 8690.1
lost to all IX 2685226 8690.1

Potential Interfering Stations Included in above Scenario 1

40A MA SPRINGFIELD	BLCDDT	20100702BBL	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
41A CT NEW HAVEN	BPEDT	20110512AAI	CP
41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	DTVPLN	DTVPL1493	PLN

After Analysis

Results for: 41A CT NEW HAVEN BPRM 20090713ABS APP
HAAT 88.0 m, ATV ERP 60.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 3129168 10511.3
not affected by terrain losses 3050373 10123.0
lost to NTSC IX 0 0.0
lost to additional IX by ATV 2685226 8690.1
lost to ATV IX only 2685226 8690.1
lost to all IX 2685226 8690.1

Potential Interfering Stations Included in above Scenario 1

40A MA SPRINGFIELD	BLCDDT	20100702BBL	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
41A CT NEW HAVEN	BPEDT	20110512AAI	CP
41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WLVI	CAMBRIDGE MA	BLCDDT -20110325AAM

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WHDH	BOSTON MA	BLCDDT -20101217AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WEDY	NEW HAVEN CT	177.6	CP	BPEDT -20110512AAI
41	WEDY-DR	NEW HAVEN CT	177.6	APP	BPRM -20090713ABS
41	WLVI	CAMBRIDGE MA	1.0	LIC	BLCDDT -20110325AAM
42	WSAH	BRIDGEPORT CT	189.2	PLN	DTVPLN -DTVPL1493
42	WHDH-DR	BOSTON MA	0.0	APP	BPRM -20090706ABZ
42	WSKG-TV	BINGHAMTON NY	390.4	LIC	BLEDT -20050526ACA
42	WTXF-TV	PHILADELPHIA PA	420.5	LIC	BLCDDT -20090615AAE
42	WTXF-TV	PHILADELPHIA PA	420.5	CP MOD	BMPCDDT -20080616AAQ
43	WGBX-TV	BOSTON MA	1.7	LIC	BLEDT -20021219AAN

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

43	WPXT	PORTLAND ME	185.8	LIC	BLCDDT	-20060714ABB
43	WPXT	PORTLAND ME	185.8	PLN	DTVPLN	-DTVP1541
42	WSAH	BRIDGEPORT CT	189.2	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	288.6	APP	BDTS	-30000101AAA

Total scenarios = 3

Result key: 54
Scenario 2 Affected station 8
Before Analysis

Results for: 42A MA BOSTON BLCDDT 20101217AAX LIC
HAAT 288.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7083099	27932.1
not affected by terrain losses	7010915	26956.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6566190	24452.7
lost to ATV IX only	6566190	24452.7
lost to all IX	6566190	24452.7

Potential Interfering Stations Included in above Scenario 2

41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
42A MA BOSTON	BPRM	20090706ABZ	APP
43A MA BOSTON	BLEDDT	20021219AAN	LIC
42A CT BRIDGEPORT	DTVPLN	DTVP1493	PLN

After Analysis

Results for: 42A MA BOSTON BLCDDT 20101217AAX LIC
HAAT 288.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7083099	27932.1
not affected by terrain losses	7010915	26956.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6566190	24452.7
lost to ATV IX only	6566190	24452.7
lost to all IX	6566190	24452.7

Potential Interfering Stations Included in above Scenario 2

41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
42A MA BOSTON	BPRM	20090706ABZ	APP
43A MA BOSTON	BLEDDT	20021219AAN	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 2

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WHDH-DR	BOSTON MA	BPRM -20090706ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WEDY	NEW HAVEN CT	177.6	CP	BPEDT -20110512AAI
41	WEDY-DR	NEW HAVEN CT	177.6	APP	BPRM -20090713ABS
41	WLVI	CAMBRIDGE MA	1.0	LIC	BLCDDT -20110325AAM
42	WSAH	BRIDGEPORT CT	189.2	PLN	DTVPLN -DTVP1493
42	WHDH	BOSTON MA	0.0	LIC	BLCDDT -20101217AAX
42	WSKG-TV	BINGHAMTON NY	390.4	LIC	BLEDDT -20050526ACA
42	WTXF-TV	PHILADELPHIA PA	420.5	LIC	BLCDDT -20090615AAE
42	WTXF-TV	PHILADELPHIA PA	420.5	CP MOD	BMPCDDT -20080616AAQ
42	WGBX-TV	BOSTON MA	1.7	LIC	BLEDDT -20021219AAN
43	WPXT	PORTLAND ME	185.8	LIC	BLCDDT -20060714ABB
43	WPXT	PORTLAND ME	185.8	PLN	DTVPLN -DTVP1541
42	WSAH	BRIDGEPORT CT	189.2	APP	BDTS -30000101AAA
42	WSAH	BRIDGEPORT CT	288.6	APP	BDTS -30000101AAA

Total scenarios = 1

Result key: 56
Scenario 1 Affected station 9
Before Analysis

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Results for: 42A MA BOSTON BPRM 20090706ABZ APP

HAAT 288.0 m, ATV ERP 948.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7062396	27670.0
not affected by terrain losses	6994020	26690.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6546102	24222.8
lost to ATV IX only	6546102	24222.8
lost to all IX	6546102	24222.8

Potential Interfering Stations Included in above Scenario 1

41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
42A MA BOSTON	BLCDDT	20101217AAX	LIC
43A MA BOSTON	BLEDDT	20021219AAN	LIC
42A CT BRIDGEPORT	DTVPLN	DTVP1493	PLN

After Analysis

Results for: 42A MA BOSTON BPRM 20090706ABZ APP

HAAT 288.0 m, ATV ERP 948.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7062396	27670.0
not affected by terrain losses	6994020	26690.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6546102	24222.8
lost to ATV IX only	6546102	24222.8
lost to all IX	6546102	24222.8

Potential Interfering Stations Included in above Scenario 1

41A MA CAMBRIDGE	BLCDDT	20110325AAM	LIC
42A MA BOSTON	BLCDDT	20101217AAX	LIC
43A MA BOSTON	BLEDDT	20021219AAN	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	BLEDDT	-20100813BHC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	33.5	LIC	BLCDDT	-20100809CHT
41	WUTB	BALTIMORE MD	33.5	PLN	DTVPLN	-DTVP1474
42	WSAH	BRIDGEPORT CT	395.5	PLN	DTVPLN	-DTVP1493
42	WRAY-TV	WILSON NC	378.5	LIC	BLCDDT	-20060609AAX
42	WRAY-TV	WILSON NC	378.5	PLN	DTVPLN	-DTVP1510
42	WSKG-TV	BINGHAMTON NY	343.7	LIC	BLEDDT	-20050526ACA
42	WTFX-TV	PHILADELPHIA PA	164.1	LIC	BLCDDT	-20090615AAE
42	WTFX-TV	PHILADELPHIA PA	164.1	CP MOD	BMPCDDT	-20080616AAQ
42	WPMY	PITTSBURGH PA	333.8	LIC	BLCDDT	-20060608AAB
42	WPMY	PITTSBURGH PA	333.8	PLN	DTVPLN	-DTVP1516
42	WCVE-TV	RICHMOND VA	187.6	LIC	BLCDDT	-20050606AHG
42	WCVE-TV	RICHMOND VA	187.6	PLN	DTVPLN	-DTVP1523
42	WCVE-TV	RICHMOND VA	187.6	CP	BPEDT	-20080610AAQ
43	WNJT	TRENTON NJ	217.0	LIC	BLEDDT	-20110427ABE
42	WSAH	BRIDGEPORT CT	395.5	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	295.6	APP	BDTS	-30000101AAA

Total scenarios = 24

Result key: 57
Scenario 1 Affected station 10
Before Analysis

Results for: 42A MD ANNAPOLIS BLEDDT 20100813BHC LIC

HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

lost to additional IX by ATV	183131	2421.6
lost to ATV IX only	183131	2421.6
lost to all IX	183131	2421.6

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDT	20100809CHT	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20090615AAE	LIC
42A PA PITTSBURGH	BLCDT	20060608AAB	LIC
42A VA RICHMOND	BLCDT	20050606AHG	LIC

After Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20100813BHC LIC
HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	183131	2421.6
lost to ATV IX only	183131	2421.6
lost to all IX	183131	2421.6

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDT	20100809CHT	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20090615AAE	LIC
42A PA PITTSBURGH	BLCDT	20060608AAB	LIC
42A VA RICHMOND	BLCDT	20050606AHG	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WSKG-TV	BINGHAMTON NY	BLEDT	-20050526ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WPBS-DT	WATERTOWN NY	201.0	CP	BPEDT	-20080619ABP
41	WPBS-TV	WATERTOWN NY	201.0	PLN	DTVPLN	-DTVP1478
41	WPBS-DT	WATERTOWN NY	201.0	LIC	BLEDT	-20050923AGH
41	WVIA-TV	SCRANTON PA	97.9	LIC	BLEDT	-20120319AAB
41	WVIA-TV	SCRANTON PA	97.9	PLN	DTVPLN	-DTVP1481
42	WSAH	BRIDGEPORT CT	247.5	PLN	DTVPLN	-DTVP1493
42	WHDH	BOSTON MA	390.4	LIC	BLCDT	-20101217AAX
42	WHDH-DR	BOSTON MA	390.4	APP	BPRM	-20090706ABZ
42	WMPT	ANNAPOLIS MD	343.7	LIC	BLEDT	-20100813BHC
42	WTFX-TV	PHILADELPHIA PA	232.3	LIC	BLCDT	-20090615AAE
42	WTFX-TV	PHILADELPHIA PA	232.3	CP MOD	BMPCDT	-20080616AAQ
42	WPMY	PITTSBURGH PA	381.0	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	381.0	PLN	DTVPLN	-DTVP1516
43	WNJT	TRENTON NJ	224.0	LIC	BLEDT	-20110427ABE
43	WCWN	SCHENECTADY NY	170.9	LIC	BLCDT	-20110504ABZ
42	WSAH	BRIDGEPORT CT	247.5	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	219.0	APP	BDTS	-30000101AAA

Total scenarios = 4

Result key: 81

Scenario 1 Affected station 11

Before Analysis

Results for: 42A NY BINGHAMTON BLEDT 20050526ACA LIC
HAAT 408.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	892987	21085.1
not affected by terrain losses	610225	18194.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7363	367.9
lost to ATV IX only	7363	367.9
lost to all IX	7363	367.9

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Potential Interfering Stations Included in above Scenario 1

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A PA PHILADELPHIA	BLCDT	20090615AAE	LIC
42A CT BRIDGEPORT	DTVPLN	DTVP1493	PLN

After Analysis

Results for: 42A NY BINGHAMTON BLEDT 20050526ACA LIC
HAAT 408.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	892987	21085.1
not affected by terrain losses	610225	18194.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7814	395.9
lost to ATV IX only	7814	395.9
lost to all IX	7814	395.9

Potential Interfering Stations Included in above Scenario 1

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A PA PHILADELPHIA	BLCDT	20090615AAE	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = 0.0748%

Worst case new IX 0.0748% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTXF-TV	PHILADELPHIA PA	BLCDT	-20090615AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	154.8	LIC	BLCDT	-20100809CHT
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-DTVP1474
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-20120319AAB
41	WVIA-TV	SCRANTON PA	137.6	PLN	DTVPLN	-DTVP1481
42	WSAH	BRIDGEPORT CT	231.6	PLN	DTVPLN	-DTVP1493
42	WHDH	BOSTON MA	420.5	LIC	BLCDT	-20101217AAX
42	WHDH-DR	BOSTON MA	420.5	APP	BPRM	-20090706ABZ
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-20100813BHC
42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-20050526ACA
42	WPMY	PITTSBURGH PA	407.3	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	407.3	PLN	DTVPLN	-DTVP1516
42	WCVE-TV	RICHMOND VA	347.7	LIC	BLCDT	-20050606AHG
42	WCVE-TV	RICHMOND VA	347.6	PLN	DTVPLN	-DTVP1523
42	WCVE-TV	RICHMOND VA	347.6	CP	BPEDT	-20080610AAQ
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-20110427ABE
42	WSAH	BRIDGEPORT CT	231.6	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	132.0	APP	BDTS	-30000101AAA

Total scenarios = 12

Result key: 85

Scenario 1 Affected station 12
Before Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20090615AAE LIC
HAAT 343.0 m, ATV ERP 260.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8485258	24823.9
not affected by terrain losses	8270385	24081.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	735330	2641.7
lost to ATV IX only	735330	2641.7
lost to all IX	735330	2641.7

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDT	20100809CHT	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A VA RICHMOND	BLCDT	20050606AHG	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
42A CT BRIDGEPORT	DTVPLN	DTVPL1493	PLN

After Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20090615AAE LIC
HAAT 343.0 m, ATV ERP 260.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8485258	24823.9
not affected by terrain losses	8270385	24081.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	727583	2621.5
lost to ATV IX only	727583	2621.5
lost to all IX	727583	2621.5

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDT	20100809CHT	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A VA RICHMOND	BLCDT	20050606AHG	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
42A CT BRIDGEPORT	BDTS	30000101AAA	APP

Percent new IX = -0.1028%

Worst case new IX -0.1028% Scenario 4

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTXF-TV	PHILADELPHIA PA	BMPCDT	-20080616AAQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WUTB	BALTIMORE MD	154.8	LIC	BLCDT	-20100809CHT
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-DTVPL1474
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-20120319AAB
41	WVIA-TV	SCRANTON PA	137.6	PLN	DTVPLN	-DTVPL1481
42	WSAH	BRIDGEPORT CT	231.6	PLN	DTVPLN	-DTVPL1493
42	WHDH	BOSTON MA	420.5	LIC	BLCDT	-20101217AAX
42	WHDH-DR	BOSTON MA	420.5	APP	BPRM	-20090706ABZ
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-20100813BHC
42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-20050526ACA
42	WPMY	PITTSBURGH PA	407.3	LIC	BLCDT	-20060608AAB
42	WPMY	PITTSBURGH PA	407.3	PLN	DTVPLN	-DTVPL1516
42	WCVE-TV	RICHMOND VA	347.7	LIC	BLCDT	-20050606AHG
42	WCVE-TV	RICHMOND VA	347.6	PLN	DTVPLN	-DTVPL1523
42	WCVE-TV	RICHMOND VA	347.6	CP	BPEDT	-20080610AAQ
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-20110427ABE
42	WSAH	BRIDGEPORT CT	231.6	APP	BDTS	-30000101AAA
42	WSAH	BRIDGEPORT CT	132.0	APP	BDTS	-30000101AAA

Total scenarios = 4

Result key: 97

Scenario 1 Affected station 13

Before Analysis

Results for: 42A PA PHILADELPHIA BMPCDT 20080616AAQ CP
HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	857265	2799.7
lost to ATV IX only	857265	2799.7
lost to all IX	857265	2799.7

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDT	20100809CHT	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A VA RICHMOND	BPEDT	20080610AAQ	CP
43A NJ TRENTON	BLEDT	20110427ABE	LIC
42A CT BRIDGEPORT	DTVPLN	DTVPL1493	PLN

After Analysis

Results for: 42A PA PHILADELPHIA BMPCDT 20080616AAQ CP
HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	819535	2755.3
lost to ATV IX only	819535	2755.3
lost to all IX	819535	2755.3

Potential Interfering Stations Included in above Scenario 1

41A MD BALTIMORE	BLCDDT	20100809CHT	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A VA RICHMOND	BPEDT	20080610AAQ	CP
43A NJ TRENTON	BLEDT	20110427ABE	LIC
42A CT BRIDGEPORT	BDS	30000101AAA	APP

Percent new IX = -0.4810%

Worst case new IX -0.4810% Scenario 1

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WGBX-TV	BOSTON MA	BLEDT	-20021219AAN

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WNJT	TRENTON NJ	BLEDT	-20110427ABE

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WCWN	SCHENECTADY NY	BLCDDT	-20110504ABZ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WRDM-CA	HARTFORD CT	BLTTA	-20060303ABE

Stations Potentially Affecting This Station

OET-69 Interference Analysis (WSAH, Bridgeport, CT, Ch. 42, DTS) (Summary Results)

Proposal causes no interference

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WRIW-CA	PROVIDENCE RI	BLTTL	-19990104JC

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WSAH	BRIDGEPORT CT	BDTS	-30000101AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WEDY	NEW HAVEN CT	111.1	CP	BPEDT	-20110512AAI
41	WEDY	NEW HAVEN CT	111.1	PLN	DTVPLN	-DTVP1461
41	WEDY-DR	NEW HAVEN CT	111.1	APP	BPRM	-20090713ABS
42	WHDH	BOSTON MA	288.6	LIC	BLCDT	-20101217AAX
42	WHDH-TV	BOSTON MA	288.5	PLN	DTVPLN	-DTVP1506
42	WHDH-DR	BOSTON MA	288.6	APP	BPRM	-20090706ABZ
42	WMPT	ANNAPOLIS MD	295.6	LIC	BLEDT	-20100813BHC
42	WMPT	ANNAPOLIS MD	295.6	PLN	DTVPLN	-DTVP1507
42	WSKG-TV	BINGHAMTON NY	219.0	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	219.0	PLN	DTVPLN	-DTVP1512
42	WTFX-TV	PHILADELPHIA PA	132.0	LIC	BLCDT	-20090615AAE
42	WTFX-TV	PHILADELPHIA PA	132.0	PLN	DTVPLN	-DTVP1515
42	WTFX-TV	PHILADELPHIA PA	132.0	CP MOD	BMPCDT	-20080616AAQ
43	WNJT	TRENTON NJ	78.6	LIC	BLEDT	-20110427ABE
43	WNJT	TRENTON NJ	78.7	PLN	DTVPLN	-DTVP1548

Result key: 101
Scenario 1 Affected station 19
Before Analysis

Results for: 42A CT BRIDGEPORT BDTS 30000101AAA APP
HAAT 169.0 m, ATV ERP 780.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	14410217	23353.1
not affected by terrain losses	14193919	22353.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	605638	791.9
lost to ATV IX only	605638	791.9
lost to all IX	605638	791.9

Potential Interfering Stations Included in above Scenario 1

41A CT NEW HAVEN	BPEDT	20110512AAI	CP
42A MA BOSTON	BLCDT	20101217AAX	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20090615AAE	LIC

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