

**WTXX-LD CH 34 APPLICATION TO MOVE TO FCC TOWER REGISTRATION
1226764 WHILE REMAINING ON CH 34, OET-69 MAINFRAME STUDY, MINOR
CHANGE ANALYSIS AND ENVIRONMENTAL ANALYSIS
JUNE 21, 2016**

The change in facilities proposed herein is believed to meet the minor change criteria as the licensed and proposed sites are 29.88 miles (48.1 kilometers) from each other and the WTXX-LD licensed and proposed facility contours overlap as depicted on Figure 1 attached.

It is noted that WNWW 1290 kHz West Hartford Connecticut is located on an adjacent registered tower which is grounded and fed by a skirt assembly. The WTXX licensee will properly bond the heliax line to the tower to prevent any interaction with the WNWW antenna system. WTXX is mounting its antenna on an existing grounded tower.

The applicant will comply with OET-65 worker and public exposure guidelines and cease transmission or lower power as necessary to comply with those guidelines.

The OET-69 mainframe study found below demonstrates a lack of prohibited interference to other LPTV and full service DTV stations.



Clarence M. Beverage
for Communications Technologies, Inc.
Marlton, New Jersey
June 21, 2016

On behalf of
Tyche Media LLC

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
/home/Clarence.Beverage/DTV_Data_Files/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

WTXX-LP	34	SPRINGFIELD	MA	BLANK	0000010288
WTXX-LP	34	SPRINGFIELD	MA	BDFCDTL	20100513ABK

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-21-2016 Time: 13:34:39

Record Selected for Analysis

WTXX-LD	USERRECORD-01	SPRINGFIELD	MA	US
Channel	34 ERP 15. kW	HAAT 183. m	RCAMSL 00272 m	FULL SERVICE MASK
Latitude	041-47-48	Longitude	0072-47-50	
Status APP	Zone 1	Border	Site number:	01
Last update		Cutoff date	Docket	
Comments				
Applicant				

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	15.000	183.9	48.9
45.0	15.000	226.0	51.3
90.0	15.000	244.8	52.3
135.0	15.000	237.2	51.9
180.0	15.000	155.2	47.1
225.0	15.000	185.6	49.0
270.0	15.000	126.8	45.1
315.0	15.000	105.5	43.3

Contour Overlap to Proposed Station

Station			
WCRN-LP	34 LEICESTER	MA BLTTL19960130JB	causes

Contour overlap to Digital LPTV station
WTXX-LD 34 SPRINGFIELD MA USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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 = 358.2km

Proposed facility is beyond the Mexican coordination distance

Proposed station is 2.23km from AM station
HARTFORD CT WTIC Status: L Antenna: DAN
Proposed station is 0.00km from AM station
WEST HARTFORD CT WCCC Status: L Antenna: NDD

Start of Interference Analysis

Channel	Proposed Station Call City/State	ARN
34	WTXX-LD SPRINGFIELD MA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	W26CE	NEW YORK NY	104.7	LIC	BLTTL	-20080306ABU
33	WFSB	HARTFORD CT	2.5	LIC	BLCDT	-20041029AIL
33	WMPX-LP	DENNIS MA	203.6	CP	BDFCDTL	-20090515ABS
33	WMPX-LP	DENNIS MA	203.6	LIC	BLTTL	-20041202ACZ
33	WPXG-TV	CONCORD NH	196.1	LIC	BLCDT	-20031014AEP
33	WORK-LP	NASHUA NH	153.5	LIC	BLTTL	-19950728IB
33	WCBS-TV	NEW YORK NY	157.6	CP MOD	BMPCDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	153.1	LIC	BLCDT	-20090612AFN
34	WCRN-LP	LEICESTER MA	87.3	LIC	BLTTL	-19960130JB
34	WNEU	MERRIMACK NH	165.1	LIC	BLCDT	-20021028AAH
34	W34DQ-D	PITTSBURG NH	369.4	LIC	BLDIT	-20121107ABX
34	WPXO-LD	EAST ORANGE NJ	153.1	LIC	BLDTL	-20090511AYH
34	WWOR-TV	SECAUCUS NJ	132.1	LIC	BLANK	-0000001381
34	WIVT	BINGHAMTON NY	261.8	LIC	BLCDT	-20090819AGR
34	W34DI	PORT JERVIS NY	163.6	LIC	BLTTL	-20070223AHK
34	WMHT	SCHENECTADY NY	135.9	LIC	BLEDT	-20040108ALV
34	WONO-CD	SYRACUSE, ETC. NY	309.9	LIC	BLANK	-0000001647
34	WCAU	PHILADELPHIA PA	282.9	LIC	BLCDT	-20090914AAX
35	WVIT	NEW BRITAIN CT	11.1	LIC	BLCDT	-20041203AEF
35	WBIN-TV	DERRY NH	155.6	LIC	BLCDT	-20070126ACX
35	W35DK-D	SUSSEX NJ	162.2	APP	BLANK	-0000001397
35	WNYX-LD	NEW YORK NY	150.9	LIC	BLDTL	-20090908ACQ
38	WNGN-LP	TROY NY	129.5	LIC	BLTTL	-20070904ABG
41	WVBG-LP	GREENWICH NY	128.1	LIC	BLTTL	-20080903ABL
41	WVBG-LP	GREENWICH NY	127.4	CP	BLANK	-0000008583
42	W42AE	POUGHKEEPSIE NY	99.8	LIC	BLTTL	-20040225AAW

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	W26CE	NEW YORK NY	BLTTL	-20080306ABU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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18	WMBC-TV	NEWTON NJ	120.3	LIC	BLCDDT	-20101130AAX
18	WMBC-TV	NEWTON NJ	103.0	LIC	BLCDDT	-20101130AAX
23	WFTY-DT	SMITHTOWN NY	15.9	LIC	BLCDDT	-20120427ABO
24	WNYE-TV	NEW YORK NY	103.0	LIC	BLEDT	-20071228ABM
26	WHPX-TV	NEW LONDON CT	78.7	LIC	BLCDDT	-20090612AII
26	WTEN	ALBANY NY	222.0	LIC	BLCDDT	-20060104ACC
26	W26DC-D	ROSLYN NY	75.8	LIC	BLDDT	-20140310ADR
26	KYW-TV	PHILADELPHIA PA	227.8	LIC	BLCDDT	-20090326ABH
27	WTBY-TV	POUGHKEEPSIE NY	121.2	LIC	BLCDDT	-20090902ACZ
28	WNBC	NEW YORK NY	103.0	APP	BLANK	-0000003184
28	WNBC	NEW YORK NY	103.0	LIC	BLCDDT	-20080409AAM
29	WNYJ-TV	WEST MILFORD NJ	125.2	LIC	BLEDT	-20040712ACP
30	WFUT-DT	NEWARK NJ	103.0	LIC	BLCDDT	-20090618ABZ
33	WFSB	HARTFORD CT	102.3	LIC	BLCDDT	-20041029AIL
33	WCBS-TV	NEW YORK NY	105.9	CP MOD	BMPCDDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	103.0	LIC	BLCDDT	-20090612AFN
40	WXTV-DT	PATERSON NJ	103.0	LIC	BLCDDT	-20050214AGS
41	WEDY-DR	NEW HAVEN CT	53.9	APP	BPRM	-20090713ABS
41	WEDY	NEW HAVEN CT	53.9	LIC	BLANK	-0000001041
34	WTXX-LD	SPRINGFIELD MA	104.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BLCDDT	-20041029AIL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	143.3	LIC	BLCDDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	155.3	CP MOD	BMPCDDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDDT	-20090612AFN
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
34	WTXX-LD	SPRINGFIELD MA	2.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WMPX-LP	DENNIS MA	BDFCDTL	-20090515ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	99.9	LIC	BLCDDT	-20040723ACG
33	WFSB	HARTFORD CT	204.2	LIC	BLCDDT	-20041029AIL
33	WPXG-TV	CONCORD NH	184.4	LIC	BLCDDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	325.2	CP MOD	BMPCDDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	321.7	LIC	BLCDDT	-20090612AFN
34	WTXX-LD	SPRINGFIELD MA	203.6	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WMPX-LP	DENNIS MA	BLTTL -20041202ACZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WUNI	WORCESTER MA	134.0	LIC	BLANK -0000001072
30	WBZ-TV	BOSTON MA	100.9	LIC	BLCDT -20060420ABG
31	WFXT	BOSTON MA	99.2	LIC	BLCDT -20090422ABH
32	WBPX-TV	BOSTON MA	99.9	LIC	BLCDT -20040723ACG
33	WFSB	HARTFORD CT	204.2	LIC	BLCDT -20041029AIL
33	WPXG-TV	CONCORD NH	184.4	LIC	BLCDT -20031014AEP
33	WCBS-TV	NEW YORK NY	325.2	CP MOD	BMPCDT -20080619AAZ
33	WCBS-TV	NEW YORK NY	321.7	LIC	BLCDT -20090612AFN
35	WBIN-TV	DERRY NH	144.7	LIC	BLCDT -20070126ACX
40	WDPX-TV	VINEYARD HAVEN MA	0.0	LIC	BLCDT -20110615ABP
41	WLVI	CAMBRIDGE MA	99.2	LIC	BLCDT -20110325AAM
47	WYDN	WORCESTER MA	100.9	LIC	BLANK -0000001053
34	WTXX-LD	SPRINGFIELD MA	203.6	APP	USERRECORD-01

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.
33	WPXG-TV	CONCORD NH	BLCDT -20031014AEP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WBPX-TV	BOSTON MA	97.8	LIC	BLCDT -20040723ACG
32	WETK	BURLINGTON VT	191.2	LIC	BLEDT -20061011ADW
33	WFSB	HARTFORD CT	198.4	LIC	BLCDT -20041029AIL
33	WCBS-TV	NEW YORK NY	353.6	CP MOD	BMPCDT -20080619AAZ
33	WCBS-TV	NEW YORK NY	349.1	LIC	BLCDT -20090612AFN
34	WNEU	MERRIMACK NH	31.2	LIC	BLCDT -20021028AAH
34	WMHT	SCHENECTADY NY	227.7	LIC	BLEDT -20040108ALV
34	WTXX-LD	SPRINGFIELD MA	196.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WORK-LP	NASHUA NH	BLTTL -19950728IB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	WNNE	HARTFORD VT	109.8	LIC	BLCDT -20050801BFZ
29	WUNI	WORCESTER MA	51.7	LIC	BLANK -0000001072
30	WBZ-TV	BOSTON MA	53.6	LIC	BLCDT -20060420ABG
31	WFXT	BOSTON MA	54.9	LIC	BLCDT -20090422ABH
32	WBPX-TV	BOSTON MA	54.2	LIC	BLCDT -20040723ACG
33	WFSB	HARTFORD CT	155.7	LIC	BLCDT -20041029AIL
33	WMPX-LP	DENNIS MA	150.6	LIC	BLTTL -20041202ACZ

33	WPXG-TV	CONCORD NH	48.3	LIC	BLCDDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	310.8	CP MOD	BMPCDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	306.3	LIC	BLCDDT	-20090612AFN
34	WNEU	MERRIMACK NH	26.6	LIC	BLCDDT	-20021028AAH
35	WBIN-TV	DERRY NH	6.5	LIC	BLCDDT	-20070126ACX
36	WCDC-TV	ADAMS MA	140.0	LIC	BLCDDT	-20080718AAO
40	WGGB-TV	SPRINGFIELD MA	113.1	LIC	BLCDDT	-20100702BBL
41	WLVI	CAMBRIDGE MA	54.9	LIC	BLCDDT	-20110325AAM
47	WYDN	WORCESTER MA	53.6	LIC	BLANK	-0000001053
34	WTXX-LD	SPRINGFIELD MA	153.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BMPCDT -20080619AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLANK -0000001047
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	LIC	BLCDDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	326.9	LIC	BLEDT -20071018AIJ
33	WHUT-TV	WASHINGTON DC	326.9	CP	BPEDT -20120627AAD
33	WPXG-TV	CONCORD NH	353.6	LIC	BLCDDT -20031014AEP
34	WIVT	BINGHAMTON NY	219.9	LIC	BLCDDT -20090819AGR
34	WMHT	SCHENECTADY NY	212.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	127.6	LIC	BLCDDT -20090914AAX
34	WTXX-LD	SPRINGFIELD MA	157.6	APP	USERRECORD-01

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.
33	WCBS-TV	NEW YORK NY	BLCDDT -20090612AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLANK -0000001047
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDDT -20060629AFR
33	WFSB	HARTFORD CT	150.8	LIC	BLCDDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	331.1	LIC	BLEDT -20071018AIJ
33	WHUT-TV	WASHINGTON DC	331.1	CP	BPEDT -20120627AAD
33	WPXG-TV	CONCORD NH	349.1	LIC	BLCDDT -20031014AEP
34	WIVT	BINGHAMTON NY	218.9	LIC	BLCDDT -20090819AGR
34	WMHT	SCHENECTADY NY	208.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	131.8	LIC	BLCDDT -20090914AAX
34	WTXX-LD	SPRINGFIELD MA	153.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WCRN-LP	LEICESTER MA	BLTTL -19960130JB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WHPX-TV	NEW LONDON CT	94.8	LIC	BLCDT -20090612AII
27	WUTF-DT	MARLBOROUGH MA	39.1	LIC	BLCDT -20120821ABC
30	WBZ-TV	BOSTON MA	57.5	LIC	BLCDT -20060420ABG
31	WTIC-TV	HARTFORD CT	95.9	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	58.9	LIC	BLCDT -20090422ABH
32	WBPX-TV	BOSTON MA	58.5	LIC	BLCDT -20040723ACG
33	WFSB	HARTFORD CT	89.2	LIC	BLCDT -20041029AIL
33	WPXG-TV	CONCORD NH	115.6	LIC	BLCDT -20031014AEP
34	WNEU	MERRIMACK NH	86.6	LIC	BLCDT -20021028AAH
34	WIVT	BINGHAMTON NY	331.2	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	175.7	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	369.5	LIC	BLCDT -20090914AAX
35	WVIT	NEW BRITAIN CT	96.1	LIC	BLCDT -20041203AEF
35	WBIN-TV	DERRY NH	69.9	LIC	BLCDT -20070126ACX
36	WCDC-TV	ADAMS MA	110.5	LIC	BLCDT -20080718AAO
41	WEDY-DR	NEW HAVEN CT	130.2	APP	BPRM -20090713ABS
41	WEDY	NEW HAVEN CT	130.2	LIC	BLANK -0000001041
41	WLVI	CAMBRIDGE MA	58.9	LIC	BLCDT -20110325AAM
42	WZME	BRIDGEPORT CT	138.8	LIC	BLCDT -20061218ACB
42	WZME	BRIDGEPORT CT	138.8	APP	BPCDT -20120601ARY
42	WHDH-DR	BOSTON MA	59.2	APP	BPRM -20090706ABZ
42	WHDH	BOSTON MA	59.2	LIC	BLCDT -20101217AAX
49	WLNE-TV	NEW BEDFORD MA	67.9	LIC	BLCDT -20040930BBS
49	WEKW-TV	KEENE NH	94.5	LIC	BLEDT -20120831AAG
34	WTXX-LD	SPRINGFIELD MA	87.3	APP	USERRECORD-01
42	WZME	BRIDGEPORT CT		APP	BPCDT -20120601ARY

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 9
Before Analysis

Results for: 34N MA LEICESTER	BLTTL	19960130JB	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	335842	1051.6	
not affected by terrain losses	313952	950.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	58061	111.3	
lost to all IX	58061	111.3	

Potential Interfering Stations Included in above Scenario 1

34A NH MERRIMACK	BLCDT	20021028AAH	LIC
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After Analysis

Results for: 34N MA LEICESTER	BLTTL	19960130JB	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	335842	1051.6	
not affected by terrain losses	313952	950.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	58206	114.3	
lost to all IX	58206	114.3	

Potential Interfering Stations Included in above Scenario 1

34A NH MERRIMACK	BLCDT	20021028AAH	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0432%

Worst case new IX 0.0432% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WNEU	MERRIMACK NH	BLCDDT	-20021028AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WFSB	HARTFORD CT	167.4	LIC	BLCDDT	-20041029AIL
33	WPXG-TV	CONCORD NH	31.2	LIC	BLCDDT	-20031014AEP
34	WIVT	BINGHAMTON NY	371.1	LIC	BLCDDT	-20090819AGR
34	WMHT	SCHENECTADY NY	201.5	LIC	BLEDT	-20040108ALV
35	WVIT	NEW BRITAIN CT	175.5	LIC	BLCDDT	-20041203AEF
35	WPME	LEWISTON ME	140.2	LIC	BLCDDT	-20081103ADE
35	WBIN-TV	DERRY NH	31.9	LIC	BLCDDT	-20070126ACX
34	WTXX-LD	SPRINGFIELD MA	165.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 10
Before Analysis

Results for: 34A NH MERRIMACK BLCDDT 20021028AAH LIC

HAAT 293.0 m, ATV ERP 80.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	3360071	16109.0
not affected by terrain losses	3256739	14630.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	161432	1187.1
lost to ATV IX only	161432	1187.1
lost to all IX	161432	1187.1

Potential Interfering Stations Included in above Scenario 1

33A NH CONCORD	BLCDDT	20031014AEP	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
35A NH DERRY	BLCDDT	20070126ACX	LIC

After Analysis

Results for: 34A NH MERRIMACK BLCDDT 20021028AAH LIC

HAAT 293.0 m, ATV ERP 80.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	3360071	16109.0
not affected by terrain losses	3256739	14630.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	167556	1354.1
lost to ATV IX only	167556	1354.1
lost to all IX	167556	1354.1

Potential Interfering Stations Included in above Scenario 1

33A NH CONCORD	BLCDDT	20031014AEP	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
35A NH DERRY	BLCDDT	20070126ACX	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1978%

Worst case new IX 0.1978% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	W34DQ-D	PITTSBURG NH	BLDTT -20121107ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	W34EQ-TV	BANGOR ME	209.3	CP	BNPDTL -20100728AFL
34	WNEU	MERRIMACK NH	219.1	LIC	BLCDT -20021028AAH
34	WMHT	SCHENECTADY NY	335.4	LIC	BLEDT -20040108ALV
34	WTXX-LD	SPRINGFIELD MA	369.4	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WPXO-LD	EAST ORANGE NJ	BLDTL -20090511AYH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WCBS-TV	NEW YORK NY	4.6	CP MOD	BMPCDT -20080619AAZ
33	WCBS-TV	NEW YORK NY	0.0	LIC	BLCDT -20090612AFN
34	WNEU	MERRIMACK NH	318.0	LIC	BLCDT -20021028AAH
34	WWOR-TV	SECAUCUS NJ	24.2	LIC	BLANK -0000001381
34	WIVT	BINGHAMTON NY	218.9	LIC	BLCDT -20090819AGR
34	W34DI	PORT JERVIS NY	89.7	LIC	BLTTL -20070223AHK
34	WMHT	SCHENECTADY NY	208.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	131.8	LIC	BLCDT -20090914AAX
34	WPXW-TV	MANASSAS VA	331.1	LIC	BLCDT -20090612AIZ
35	W35DK-D	SUSSEX NJ	63.9	APP	BLANK -0000001397
35	WNYX-LD	NEW YORK NY	3.6	LIC	BLDTL -20090908ACQ
35	WYBE	PHILADELPHIA PA	131.8	LIC	BLEDT -20091222ARE
34	WTXX-LD	SPRINGFIELD MA	153.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WWOR-TV	SECAUCUS NJ	BLANK -0000001381

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WFSB	HARTFORD CT	129.9	LIC	BLCDT -20041029AIL
33	WCBS-TV	NEW YORK NY	28.6	CP MOD	BMPCDT -20080619AAZ
33	WCBS-TV	NEW YORK NY	24.2	LIC	BLCDT -20090612AFN
34	WNEU	MERRIMACK NH	296.2	LIC	BLCDT -20021028AAH
34	WPXO-LD	EAST ORANGE NJ	24.2	LIC	BLDTL -20090511AYH
34	WIVT	BINGHAMTON NY	207.9	LIC	BLCDT -20090819AGR
34	W34DI	PORT JERVIS NY	77.4	LIC	BLTTL -20070223AHK
34	WMHT	SCHENECTADY NY	185.1	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	150.9	LIC	BLCDT -20090914AAX
34	WPXW-TV	MANASSAS VA	349.6	LIC	BLCDT -20090612AIZ
35	WVIT	NEW BRITAIN CT	122.7	LIC	BLCDT -20041203AEF
35	W35DK-D	SUSSEX NJ	55.4	APP	BLANK -0000001397

35	WNYX-LD	NEW YORK NY	23.8	LIC	BLDTL	-20090908ACQ
34	WTXX-LD	SPRINGFIELD MA	132.1	APP	USERRECORD-01	

Total scenarios = 6

Result key: 3
 Scenario 1 Affected station 13
 Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	574986	625.5
lost to ATV IX only	574986	625.5
lost to all IX	574986	625.5

Potential Interfering Stations Included in above Scenario 1

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	577426	627.4
lost to ATV IX only	577426	627.4
lost to all IX	577426	627.4

Potential Interfering Stations Included in above Scenario 1

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1038%

Result key: 4
 Scenario 2 Affected station 13
 Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	591906	553.3
lost to ATV IX only	591906	553.3
lost to all IX	591906	553.3

Potential Interfering Stations Included in above Scenario 2

33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC

34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC

HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	595668	556.3
lost to ATV IX only	595668	556.3
lost to all IX	595668	556.3

Potential Interfering Stations Included in above Scenario 2

33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1613%

Result key: 5

Scenario 3 Affected station 13

Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC

HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	574986	625.5
lost to ATV IX only	574986	625.5
lost to all IX	574986	625.5

Potential Interfering Stations Included in above Scenario 3

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NJ SUSSEX	BLANK	0000001397	APP
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC

HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	577426	627.4
lost to ATV IX only	577426	627.4
lost to all IX	577426	627.4

Potential Interfering Stations Included in above Scenario 3

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NJ SUSSEX	BLANK	0000001397	APP
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1038%

Result key: 6
 Scenario 4 Affected station 13
 Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	574986	625.5
lost to ATV IX only	574986	625.5
lost to all IX	574986	625.5

Potential Interfering Stations Included in above Scenario 4

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	577426	627.4
lost to ATV IX only	577426	627.4
lost to all IX	577426	627.4

Potential Interfering Stations Included in above Scenario 4

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1038%

Result key: 7
 Scenario 5 Affected station 13
 Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
 HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	591906	553.3
lost to ATV IX only	591906	553.3
lost to all IX	591906	553.3

Potential Interfering Stations Included in above Scenario 5

33A NY NEW YORK	BLCDT	20090612AFN	LIC
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34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
35A NJ SUSSEX	BLANK	0000001397	APP
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	595668	556.3
lost to ATV IX only	595668	556.3
lost to all IX	595668	556.3

Potential Interfering Stations Included in above Scenario 5

33A NY NEW YORK	BLCDDT	20090612AFN	LIC
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
35A NJ SUSSEX	BLANK	0000001397	APP
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1613%

Result key: 8
Scenario 6 Affected station 13
Before Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	591906	553.3
lost to ATV IX only	591906	553.3
lost to all IX	591906	553.3

Potential Interfering Stations Included in above Scenario 6

33A NY NEW YORK	BLCDDT	20090612AFN	LIC
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC
34A NY BINGHAMTON	BLCDDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC

After Analysis

Results for: 34A NJ SECAUCUS BLANK 0000001381 LIC
HAAT 277.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2977380	4338.7
not affected by terrain losses	2924857	4169.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	595668	556.3
lost to ATV IX only	595668	556.3
lost to all IX	595668	556.3

Potential Interfering Stations Included in above Scenario 6

33A NY NEW YORK	BLCDDT	20090612AFN	LIC
34A NJ EAST ORANGE	BLDTL	20090511AYH	LIC

34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A NY NEW YORK	BLDTL	20090908ACQ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1613%

Worst case new IX 0.1613% Scenario 2

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WIVT	BINGHAMTON NY	BLCDT	-20090819AGR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WGRZ	BUFFALO NY	227.1	LIC	BLCDT	-20050705AAG
33	WCBS-TV	NEW YORK NY	219.9	CP MOD	BMPCDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	218.9	LIC	BLCDT	-20090612AFN
34	WNEU	MERRIMACK NH	371.1	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	170.7	LIC	BLEDT	-20040108ALV
34	WJAC-TV	JOHNSTOWN PA	315.9	LIC	BLCDT	-20051123AKN
34	WCAU	PHILADELPHIA PA	232.1	LIC	BLCDT	-20090914AAX
34	WPXW-TV	MANASSAS VA	358.8	LIC	BLCDT	-20090612AIZ
34	WTXX-LD	SPRINGFIELD MA	261.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 9

Scenario 1 Affected station 14

Before Analysis

Results for: 34A NY BINGHAMTON BLCDT 20090819AGR LIC

HAAT 278.0 m, ATV ERP 345.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	856147	19012.2
not affected by terrain losses	617610	16999.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16258	521.2
lost to ATV IX only	16258	521.2
lost to all IX	16258	521.2

Potential Interfering Stations Included in above Scenario 1

34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDT	20051123AKN	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
34A VA MANASSAS	BLCDT	20090612AIZ	LIC

After Analysis

Results for: 34A NY BINGHAMTON BLCDT 20090819AGR LIC

HAAT 278.0 m, ATV ERP 345.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	856147	19012.2
not affected by terrain losses	617610	16999.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16258	521.2
lost to ATV IX only	16258	521.2
lost to all IX	16258	521.2

Potential Interfering Stations Included in above Scenario 1

34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDDT	20051123AKN	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
34A VA MANASSAS	BLCDDT	20090612AIZ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	W34DI	PORT JERVIS NY	BLTTL -20070223AHK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WTBY-TV	POUGHKEEPSIE NY	62.4	LIC	BLCDDT -20090902ACZ
30	WFUT-DT	NEWARK NJ	89.7	LIC	BLCDDT -20090618ABZ
31	WPXN-TV	NEW YORK NY	91.3	CP MOD	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	89.7	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	88.0	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	88.0	LIC	BLCDDT -20140326AAZ
32	WQPX-TV	SCRANTON PA	87.8	LIC	BLCDDT -20060629AFR
33	WCBS-TV	NEW YORK NY	91.3	CP MOD	BMPCDDT -20080619AAZ
33	WCBS-TV	NEW YORK NY	89.7	LIC	BLCDDT -20090612AFN
34	WNEU	MERRIMACK NH	311.7	LIC	BLCDDT -20021028AAH
34	WPXO-LD	EAST ORANGE NJ	89.7	LIC	BLDTL -20090511AYH
34	WWOR-TV	SECAUCUS NJ	77.4	LIC	BLANK -0000001381
34	WIVT	BINGHAMTON NY	130.5	LIC	BLCDDT -20090819AGR
34	WMHT	SCHENECTADY NY	150.7	LIC	BLEDT -20040108ALV
34	WJAC-TV	JOHNSTOWN PA	378.2	LIC	BLCDDT -20051123AKN
34	WCAU	PHILADELPHIA PA	154.3	LIC	BLCDDT -20090914AAX
34	WPXW-TV	MANASSAS VA	337.0	LIC	BLCDDT -20090612AIZ
35	W35DK-D	SUSSEX NJ	27.1	APP	BLANK -0000001397
36	WNJU	LINDEN NJ	91.3	CP	BLANK -0000001402
36	WNJU	LINDEN NJ	89.7	LIC	BLANK -0000001043
38	WWOR-TV	SECAUCUS NJ	89.7	APP	BLCDDT -20080807AAD
38	WWOR-TV	SECAUCUS NJ	89.7	CP MOD	BMPCDDT -20040130AZR
38	WWOR-TV	SECAUCUS NJ	89.7	CP	BPCDDT -20121210ABN
41	WVIA-TV	SCRANTON PA	101.7	LIC	BLEDT -20120319AAB
42	WZME	BRIDGEPORT CT	130.5	LIC	BLCDDT -20061218ACB
42	WZME	BRIDGEPORT CT	89.7	APP	BPCDDT -20120601ARY
42	WZME	BRIDGEPORT CT	130.5	APP	BPCDDT -20120601ARY
42	WSKG-TV	BINGHAMTON NY	130.7	LIC	BLEDT -20050526ACA
48	WRNN-TV	KINGSTON NY	62.3	LIC	BLCDDT -20140925AFG
49	WEDW	BRIDGEPORT CT	124.9	LIC	BLEDT -20100513ABG
49	W49DK	PORT JERVIS NY	31.6	CP	BPTTL -20140530ARP
34	WTXX-LD	SPRINGFIELD MA	163.6	APP	USERRECORD-01

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.
34	WMHT	SCHENECTADY NY	BLEDT -20040108ALV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WFSB	HARTFORD CT	137.0	LIC	BLCDDT -20041029AIL

33	WPXG-TV	CONCORD NH	227.7	LIC	BLCDDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	212.6	CP MOD	BMPCDDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	208.6	LIC	BLCDDT	-20090612AFN
34	WNEU	MERRIMACK NH	201.5	LIC	BLCDDT	-20021028AAH
34	WIVT	BINGHAMTON NY	170.7	LIC	BLCDDT	-20090819AGR
34	WCAU	PHILADELPHIA PA	304.8	LIC	BLCDDT	-20090914AAX
35	WVIT	NEW BRITAIN CT	141.4	LIC	BLCDDT	-20041203AEF
35	WBIN-TV	DERRY NH	214.2	LIC	BLCDDT	-20070126ACX
34	WTXX-LD	SPRINGFIELD MA	135.9	APP	USERRECORD-01	

Total scenarios = 1

Result key: 10
 Scenario 1 Affected station 16
 Before Analysis

Results for: 34A NY SCHENECTADY BLEDT 20040108ALV LIC
 HAAT 426.0 m, ATV ERP 325.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1573252	30214.8
not affected by terrain losses	1436146	25038.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11404	795.0
lost to ATV IX only	11404	795.0
lost to all IX	11404	795.0

Potential Interfering Stations Included in above Scenario 1

33A CT HARTFORD	BLCDDT	20041029AIL	LIC
34A NH MERRIMACK	BLCDDT	20021028AAH	LIC
34A NY BINGHAMTON	BLCDDT	20090819AGR	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
35A CT NEW BRITAIN	BLCDDT	20041203AEF	LIC

After Analysis

Results for: 34A NY SCHENECTADY BLEDT 20040108ALV LIC
 HAAT 426.0 m, ATV ERP 325.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1573252	30214.8
not affected by terrain losses	1436146	25038.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14000	1034.7
lost to ATV IX only	14000	1034.7
lost to all IX	14000	1034.7

Potential Interfering Stations Included in above Scenario 1

33A CT HARTFORD	BLCDDT	20041029AIL	LIC
34A NH MERRIMACK	BLCDDT	20021028AAH	LIC
34A NY BINGHAMTON	BLCDDT	20090819AGR	LIC
34A PA PHILADELPHIA	BLCDDT	20090914AAX	LIC
35A CT NEW BRITAIN	BLCDDT	20041203AEF	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.1822%

Worst case new IX 0.1822% Scenario 1

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WONO-CD	SYRACUSE, ETC. NY	BLANK	-0000001647

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WVVC-LD	UTICA NY	78.9	LIC	BLDTL	-20110829AAZ
34	WNEU	MERRIMACK NH	372.0	LIC	BLCDT	-20021028AAH
34	WIVT	BINGHAMTON NY	112.4	LIC	BLCDT	-20090819AGR
34	WVTT-CD	OLEAN NY	206.4	LIC	BLDTA	-20141217ABD
34	WMHT	SCHENECTADY NY	182.2	LIC	BLEDT	-20040108ALV
34	WJAC-TV	JOHNSTOWN PA	379.1	LIC	BLCDT	-20051123AKN
34	WCAU	PHILADELPHIA PA	344.1	LIC	BLCDT	-20090914AAX
35	WWLF-LP	SYRACUSE NY	0.0	LIC	BLTTA	-20050922ACH
34	WTXX-LD	SPRINGFIELD MA	309.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WCAU	PHILADELPHIA PA	BLCDT	-20090914AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT	-20071018AIJ
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT	-20120627AAD
33	WCBS-TV	NEW YORK NY	127.6	CP MOD	BMPCDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT	-20090612AFN
34	WIVT	BINGHAMTON NY	232.1	LIC	BLCDT	-20090819AGR
34	WMHT	SCHENECTADY NY	304.8	LIC	BLEDT	-20040108ALV
34	WJAC-TV	JOHNSTOWN PA	320.1	LIC	BLCDT	-20051123AKN
34	WPXW-TV	MANASSAS VA	199.3	LIC	BLCDT	-20090612AIZ
35	WDCA	WASHINGTON DC	199.1	APP	BPCDT	-20121105ANF
35	WDCA	WASHINGTON DC	199.1	LIC	BLCDT	-20070411AAH
35	WYBE	PHILADELPHIA PA	0.0	LIC	BLEDT	-20091222ARE
34	WTXX-LD	SPRINGFIELD MA	282.9	APP	USERRECORD-01	

Total scenarios = 2

Result key: 11

Scenario 1 Affected station 18

Before Analysis

Results for: 34A PA PHILADELPHIA BLCDT 20090914AAX LIC

HAAT 400.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10356122	33613.7
not affected by terrain losses	10223685	32559.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	546425	1892.4
lost to ATV IX only	546425	1892.4
lost to all IX	546425	1892.4

Potential Interfering Stations Included in above Scenario 1

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDT	20051123AKN	LIC
34A VA MANASSAS	BLCDT	20090612AIZ	LIC

After Analysis

Results for: 34A PA PHILADELPHIA BLCDT 20090914AAX LIC

HAAT 400.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10356122	33613.7
not affected by terrain losses	10223685	32559.1

lost to NTSC IX	0	0.0
lost to additional IX by ATV	546425	1892.4
lost to ATV IX only	546425	1892.4
lost to all IX	546425	1892.4

Potential Interfering Stations Included in above Scenario 1

33A NY NEW YORK	BMPCDT	20080619AAZ	CP
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDT	20051123AKN	LIC
34A VA MANASSAS	BLCDT	20090612AIZ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 12
 Scenario 2 Affected station 18
 Before Analysis

Results for: 34A PA PHILADELPHIA BLCDT 20090914AAX LIC
 HAAT 400.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10356122	33613.7
not affected by terrain losses	10223685	32559.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	424446	1670.7
lost to ATV IX only	424446	1670.7
lost to all IX	424446	1670.7

Potential Interfering Stations Included in above Scenario 2

33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDT	20051123AKN	LIC
34A VA MANASSAS	BLCDT	20090612AIZ	LIC

After Analysis

Results for: 34A PA PHILADELPHIA BLCDT 20090914AAX LIC
 HAAT 400.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10356122	33613.7
not affected by terrain losses	10223685	32559.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	424446	1670.7
lost to ATV IX only	424446	1670.7
lost to all IX	424446	1670.7

Potential Interfering Stations Included in above Scenario 2

33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA JOHNSTOWN	BLCDT	20051123AKN	LIC
34A VA MANASSAS	BLCDT	20090612AIZ	LIC
34A MA SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 19

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

35 WVIT NEW BRITAIN CT BLCDT -20041203AEF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WNEU	MERRIMACK NH	175.5	LIC	BLCDT -20021028AAH
34	WMHT	SCHENECTADY NY	141.4	LIC	BLEDT -20040108ALV
35	WPME	LEWISTON ME	314.5	LIC	BLCDT -20081103ADE
35	WBIN-TV	DERRY NH	165.1	LIC	BLCDT -20070126ACX
35	WYBE	PHILADELPHIA PA	273.5	LIC	BLEDT -20091222ARE
36	WCDC-TV	ADAMS MA	107.7	LIC	BLCDT -20080718AAO
36	WNJU	LINDEN NJ	147.7	CP	BLANK -0000001402
36	WNJU	LINDEN NJ	143.2	LIC	BLANK -0000001043
34	WTXX-LD	SPRINGFIELD MA	11.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	WBIN-TV	DERRY NH	BLCDT -20070126ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WNEU	MERRIMACK NH	31.9	LIC	BLCDT -20021028AAH
34	WMHT	SCHENECTADY NY	214.2	LIC	BLEDT -20040108ALV
35	WVIT	NEW BRITAIN CT	165.1	LIC	BLCDT -20041203AEF
35	WPME	LEWISTON ME	151.1	LIC	BLCDT -20081103ADE
36	WCDC-TV	ADAMS MA	145.5	LIC	BLCDT -20080718AAO
34	WTXX-LD	SPRINGFIELD MA	155.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	W35DK-D	SUSSEX NJ	BLANK -0000001397

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WPXO-LD	EAST ORANGE NJ	63.9	LIC	BLDTL -20090511AYH
34	WWOR-TV	SECAUCUS NJ	55.4	LIC	BLANK -0000001381
34	W34DI	PORT JERVIS NY	27.1	LIC	BLTTL -20070223AHK
35	WVIT	NEW BRITAIN CT	155.1	LIC	BLCDT -20041203AEF
35	WDCA	WASHINGTON DC	325.5	APP	BPCDT -20121105ANF
35	WDCA	WASHINGTON DC	325.5	LIC	BLCDT -20070411AAH
35	WBIN-TV	DERRY NH	314.4	LIC	BLCDT -20070126ACX
35	WNYX-LD	NEW YORK NY	66.6	LIC	BLDTL -20090908ACQ
35	WYLN-LP	HAZLETON PA	120.4	LIC	BLANK -0000001520
35	WYBE	PHILADELPHIA PA	135.9	LIC	BLEDT -20091222ARE
36	WNJU	LINDEN NJ	65.1	CP	BLANK -0000001402
36	WNJU	LINDEN NJ	63.9	LIC	BLANK -0000001043
34	WTXX-LD	SPRINGFIELD MA	162.2	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	WNYX-LD	NEW YORK NY	BLDTL -20090908ACQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WPXO-LD	EAST ORANGE NJ	3.6	LIC	BLDTL -20090511AYH
34	WWOR-TV	SECAUCUS NJ	23.8	LIC	BLANK -0000001381
35	WVIT	NEW BRITAIN CT	140.9	LIC	BLCDT -20041203AEF
35	WDCA	WASHINGTON DC	333.7	APP	BPCDT -20121105ANF
35	WDCA	WASHINGTON DC	333.7	LIC	BLCDT -20070411AAH
35	WBIN-TV	DERRY NH	305.9	LIC	BLCDT -20070126ACX
35	W35DK-D	SUSSEX NJ	66.6	APP	BLANK -0000001397
35	WYLN-LP	HAZLETON PA	171.0	LIC	BLANK -0000001520
35	WYBE	PHILADELPHIA PA	134.6	LIC	BLEDT -20091222ARE
36	WNJU	LINDEN NJ	7.0	CP	BLANK -0000001402
36	WNJU	LINDEN NJ	3.6	LIC	BLANK -0000001043
34	WTXX-LD	SPRINGFIELD MA	150.9	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WNGN-LP	TROY NY	BLTTL -20070904ABG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WUTR	UTICA NY	132.0	LIC	BLCDT -20040217ADC
31	WTIC-TV	HARTFORD CT	137.0	LIC	BLCDT -20101222AAE
34	WMHT	SCHENECTADY NY	35.9	LIC	BLEDT -20040108ALV
35	WVIT	NEW BRITAIN CT	137.3	LIC	BLCDT -20041203AEF
36	WCDC-TV	ADAMS MA	41.0	LIC	BLCDT -20080718AAO
38	WHCT-LD	HARTFORD, NEW HAVEN CT	129.4	LIC	BLDTL -20130612ABY
38	W38DL-D	ADAMS MA	41.0	LIC	BLDTT -20091021AAO
38	WGME-TV	PORTLAND ME	283.4	LIC	BLCDT -20061206ACS
38	W38FV-D	WESTMORELAND NH	112.1	CP	BNPDTL -20100514AIJ
38	WWOR-TV	SECAUCUS NJ	228.4	APP	BLCDT -20080807AAD
38	WWOR-TV	SECAUCUS NJ	228.4	CP MOD	BMPCDT -20040130AZR
38	WWOR-TV	SECAUCUS NJ	228.4	CP	BPCDT -20121210ABN
38	WCFE-TV	PLATTSBURGH NY	213.2	LIC	BLEDT -20080311ABG
39	WRGB	SCHENECTADY NY	58.6	LIC	BLANK -0000001536
40	WGGB-TV	SPRINGFIELD MA	100.5	LIC	BLCDT -20100702BBL
45	WEDH	HARTFORD CT	137.0	LIC	BLEDT -20090618ACA
46	WUVN	HARTFORD CT	131.4	LIC	BLANK -0000001073
34	WTXX-LD	SPRINGFIELD MA	129.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WVBG-LP	GREENWICH NY	BLTTL -20080903ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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33	WFSB	HARTFORD CT	129.2	LIC	BLCDT	-20041029AIL
34	WMHT	SCHENECTADY NY	9.3	LIC	BLEDT	-20040108ALV
40	WGGB-TV	SPRINGFIELD MA	114.4	LIC	BLCDT	-20100702BBL
41	WEDY-DR	NEW HAVEN CT	161.7	APP	BPRM	-20090713ABS
41	WEDY	NEW HAVEN CT	161.7	LIC	BLANK	-0000001041
41	WLVI	CAMBRIDGE MA	228.2	LIC	BLCDT	-20110325AAM
41	WUCB-LD	COBLESKILL NY	46.0	LIC	BLDTL	-20111213ABH
41	WPBS-DT	WATERTOWN NY	203.7	LIC	BLEDT	-20050923AGH
41	WVIA-TV	SCRANTON PA	217.8	LIC	BLEDT	-20120319AAB
43	WCWN	SCHENECTADY NY	9.3	LIC	BLCDT	-20110504ABZ
45	WEDH	HARTFORD CT	133.0	LIC	BLEDT	-20090618ACA
48	WRNN-TV	KINGSTON NY	117.5	LIC	BLCDT	-20140925AFG
49	WEKW-TV	KEENE NH	142.3	LIC	BLEDT	-20120831AAG
34	WTXX-LD	SPRINGFIELD MA	128.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WVBG-LP	GREENWICH NY	BLANK -0000008583

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WFSB	HARTFORD CT	128.5	LIC	BLCDT -20041029AIL
34	WMHT	SCHENECTADY NY	9.9	LIC	BLEDT -20040108ALV
40	WGGB-TV	SPRINGFIELD MA	113.7	LIC	BLCDT -20100702BBL
41	WEDY-DR	NEW HAVEN CT	161.0	APP	BPRM -20090713ABS
41	WEDY	NEW HAVEN CT	161.0	LIC	BLANK -0000001041
41	WLVI	CAMBRIDGE MA	227.6	LIC	BLCDT -20110325AAM
41	WUCB-LD	COBLESKILL NY	46.6	LIC	BLDTL -20111213ABH
41	WPBS-DT	WATERTOWN NY	204.4	LIC	BLEDT -20050923AGH
41	WVIA-TV	SCRANTON PA	217.9	LIC	BLEDT -20120319AAB
43	WCWN	SCHENECTADY NY	9.9	LIC	BLCDT -20110504ABZ
45	WEDH	HARTFORD CT	132.3	LIC	BLEDT -20090618ACA
48	WRNN-TV	KINGSTON NY	117.0	LIC	BLCDT -20140925AFG
49	WEKW-TV	KEENE NH	142.0	LIC	BLEDT -20120831AAG
34	WTXX-LD	SPRINGFIELD MA	127.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	W42AE	POUGHKEEPSIE NY	BLTTL -20040225AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WMHT	SCHENECTADY NY	100.7	LIC	BLEDT -20040108ALV
35	WVIT	NEW BRITAIN CT	96.6	LIC	BLCDT -20041203AEF
38	WWOR-TV	SECAUCUS NJ	107.9	APP	BLCDT -20080807AAD
38	WWOR-TV	SECAUCUS NJ	107.9	CP MOD	BMPCDT -20040130AZR
38	WWOR-TV	SECAUCUS NJ	107.9	CP	BPCDT -20121210ABN
39	WCTX	NEW HAVEN CT	92.9	LIC	BLCDT -20040507AAZ
40	WGGB-TV	SPRINGFIELD MA	125.5	LIC	BLCDT -20100702BBL
40	WXTV-DT	PATERSON NJ	107.9	LIC	BLCDT -20050214AGS
41	WEDY-DR	NEW HAVEN CT	100.5	APP	BPRM -20090713ABS

41	WEDY	NEW HAVEN CT	100.5	LIC	BLANK	-0000001041
42	WZME	BRIDGEPORT CT	83.5	LIC	BLCDT	-20061218ACB
42	WZME	BRIDGEPORT CT	107.9	APP	BPCDT	-20120601ARY
42	WZME	BRIDGEPORT CT	83.5	APP	BPCDT	-20120601ARY
42	WHDH-DR	BOSTON MA	238.7	APP	BPRM	-20090706ABZ
42	WHDH	BOSTON MA	238.7	LIC	BLCDT	-20101217AAX
42	WMPT	ANNAPOLIS MD	373.7	LIC	BLEDT	-20100813BHC
42	WSKG-TV	BINGHAMTON NY	165.8	LIC	BLEDT	-20050526ACA
42	WKOB-LD	NEW YORK NY	107.5	CP MOD	BMPDTL	-20140710AAE
42	W42CX	PORT JERVIS NY	69.2	LIC	BLTTL	-20070223AHH
42	W42CX	PORT JERVIS NY	93.3	CP MOD	BMPDTL	-20101109ADN
42	WTFX-TV	PHILADELPHIA PA	213.8	LIC	BLCDT	-20120511ADN
43	W25EZ-D	PORT JERVIS NY	64.3	CP MOD	BMPDTL	-20080325AIB
43	WCWN	SCHENECTADY NY	100.7	LIC	BLCDT	-20110504ABZ
44	WNYW	NEW YORK NY	107.9	CP	BPCDT	-20110718AAP
44	WNYW	NEW YORK NY	107.9	LIC	BLCDT	-20080618AOC
45	WEDH	HARTFORD CT	96.5	LIC	BLEDT	-20090618ACA
46	WUVN	HARTFORD CT	99.3	LIC	BLANK	-0000001073
49	WEDW	BRIDGEPORT CT	83.4	LIC	BLEDT	-20100513ABG
50	WYPX-TV	AMSTERDAM NY	141.4	LIC	BLCDT	-20040908ABO
34	WTXX-LD	SPRINGFIELD MA	99.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WTXX-LD	SPRINGFIELD MA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WFSB	HARTFORD CT	2.5	LIC	BLCDT -20041029AIL
34	WCRN-LP	LEICESTER MA	87.3	LIC	BLTTL -19960130JB
34	WNEU	MERRIMACK NH	165.1	LIC	BLCDT -20021028AAH
34	WPXO-LD	EAST ORANGE NJ	153.1	LIC	BLDTL -20090511AYH
34	WWOR-TV	SECAUCUS NJ	132.1	LIC	BLANK -0000001381
34	WIVT	BINGHAMTON NY	261.8	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	135.9	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	282.9	LIC	BLCDT -20090914AAX
35	WVIT	NEW BRITAIN CT	11.1	LIC	BLCDT -20041203AEF

Total scenarios = 1

Result key: 13
Scenario 1 Affected station 27
Before Analysis

Results for: 34A MA SPRINGFIELD USERRECORD01 APP
HAAT 183.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2075817	7579.8
not affected by terrain losses	2022871	7317.8
lost to NTSC IX	12720	129.1
lost to additional IX by ATV	379636	1885.2
lost to ATV IX only	391734	1995.7
lost to all IX	392356	2014.2

Potential Interfering Stations Included in above Scenario 1

34N MA LEICESTER	BLTTL	19960130JB	LIC
33A CT HARTFORD	BLCDT	20041029AIL	LIC
34A NH MERRIMACK	BLCDT	20021028AAH	LIC
34A NJ SECAUCUS	BLANK	0000001381	LIC

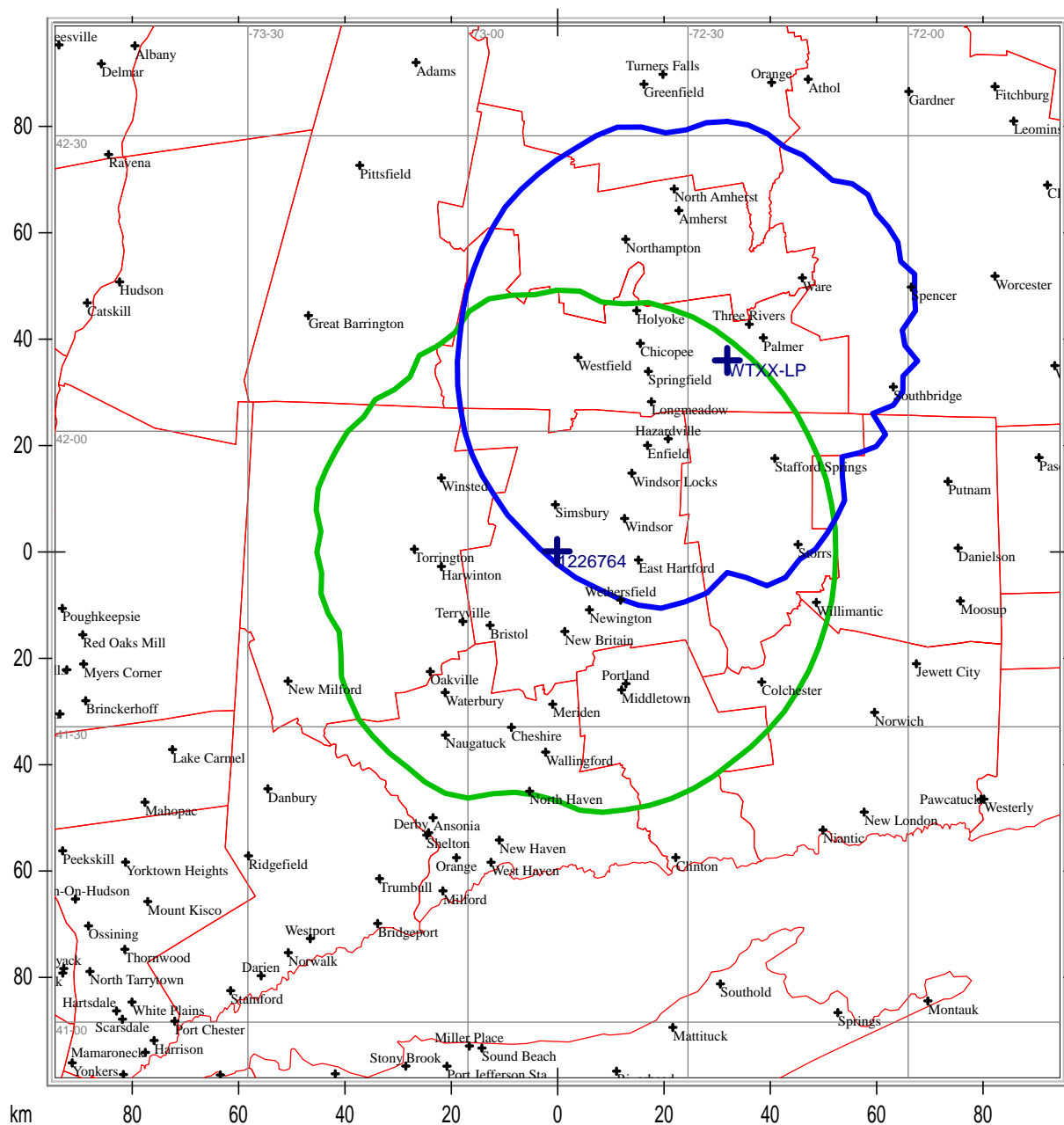
34A NY BINGHAMTON	BLCDT	20090819AGR	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
35A CT NEW BRITAIN	BLCDT	20041203AEF	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

**EXTRAORDINARY CIRCUMSTANCES REQUIRING OPERATION OF
THE WGSC-CD FACILITY AT REDUCED POWER
MARCH 21, 2016**

WTXX-LD CH 34 SPRINGFIELD, MASSACHUSETTS AND PROPOSED RELOCATION TO FCC TWR REGISTRATION 1226764



Communications Technologies, Inc. Marlton, New Jersey

County Borders Lat/Lon Grid