

***APPLICATION FOR MODIFICATION
OF CONSTRUCTION PERMIT***

**WBAX-LD – ALBANY, NEW YORK
FACILITY ID: 68052**

DIGITAL NETWORKS–NORTHEAST, LLC

MAY 2021

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5.24.2021

APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT

The following engineering statement and attached exhibits have been prepared for **Digital Networks-Northeast, LLC** ("Northeast"), licensee of digital low-power television station WBAX-LD at Albany, New York, and are in support of their application for modification of construction permit for that facility.¹

Under the current construction permit for the facility, assigned LMS File No. 0000137324, Northeast is authorized to operate WBAX-LD on television channel 32 with a maximum effective radiated power of 2 kW at a center of radiation of 179.7 meters above mean sea level, utilizing a composite directional antenna. The proposed facility would also operate on channel 32. It is proposed that the facility be operated with a maximum effective radiated power of 15 kW at a center of radiation of 401 meters above mean sea level, 27.4 meters above ground level, utilizing a directional antenna. The proposed directional antenna is a Propagation Systems, Inc. ("PSI") model PSILP12SB oriented at 95 degrees true.

The map in Exhibit E-1 provides a comparison between the proposed, authorized, and licensed service contours for the facility. This map demonstrates that the licensed and authorized 51 dBu service contours are contained within the proposed 51 dBu service contour. Additionally, both the licensed and authorized sites are located within 30-miles of the proposed transmitter site.

Exhibit E-2 is the output from *TVStudy* for the proposed facility. This study demonstrates that there are no outgoing interference check failures to any proposed or authorized facility. This

¹ The Facility ID for WBAX-LD at Albany, New York is 68052.

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study was performed at a cell size resolution of 1.0 kilometers, and a profile spacing increment of 0.1 kilometers.

The proposed facility would not constitute a significant environmental impact, and is exempt from environmental processing. The proposed antenna would be mounted to an existing tower that is registered with the Commission. The addition of the proposed antenna to this tower would not increase the already existing environmental impact present from the structure.

In addition, the proposed facility would not result in human exposure at ground level to radiofrequency radiation in excess of the Commission's safety standards. Using the equations in Supplement A of *OET Bulletin 65*, the calculated worst-case power density at ground level assuming a downward radiation relative field of 0.3 is $69.9 \mu\text{W}/\text{cm}^2$. This value is substantially below the upper limit of the uncontrolled environment condition. Northeast certifies it will coordinate with all other users of the site to ensure that workers and other personnel are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards. Coordination activities will include, but are not necessarily limited to, a reduction in transmitter power or cessation of operation.

The proposed facility complies with the provisions of Section 74.709 of the Commission's Rules. No land mobile protection issues have been identified based on the tables in that section of the rules, or on the output of *TVStudy*. The proposed facility also complies with Sections 74.793(e)-(h) and 74.793(h) of the Commission's Rules. The proposed facility is not located within the vicinity of the Table Mountain receiving zone, nor is it located within the West Virginia quiet zone area. The proposed facility is located 261 kilometers from the Canandaigua, New York

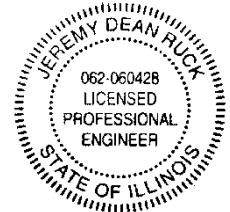
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monitoring station. Although the proposed facility is located in proximity to the Canadian border, the predicted 25.51 dBu contour does not cross into Canada.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2021

Jeremy D. Ruck, PE
May 24, 2021

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WBAX-LD.X

PROPOSED

Latitude: 42-50-57.40 N

Longitude: 074-03-42 W

ERP: 15.00 kW

Channel: 32

Frequency: 581.0 MHz

AMSL Height: 401.4 m

Horiz. Pattern: Directional

WBAX-LD.C

0000137324

Latitude: 42-33-20.30 N

Longitude: 073-52-06.80 W

ERP: 2.00 kW

Channel: 32

Frequency: 581.0 MHz

AMSL Height: 179.7 m

Horiz. Pattern: Directional

W32FC-D/WBAX-LD

0000120720

Latitude: 42-58-17 N

Longitude: 073-50-42 W

ERP: 1.51 kW

Channel: 32

Frequency: 581.0 MHz

AMSL Height: 118.0 m

Horiz. Pattern: Directional

Jeremy Ruck & Associates, Inc.

- Proposed WBAX-LD 51 dBu F(50,90) Contour
- Licensed WBAX-LD 51 dBu F(50,90) Contour
- Authorized WBAX-LD 51 dBu F(50,90) Contour
- Licensed Site 30-mile Radius

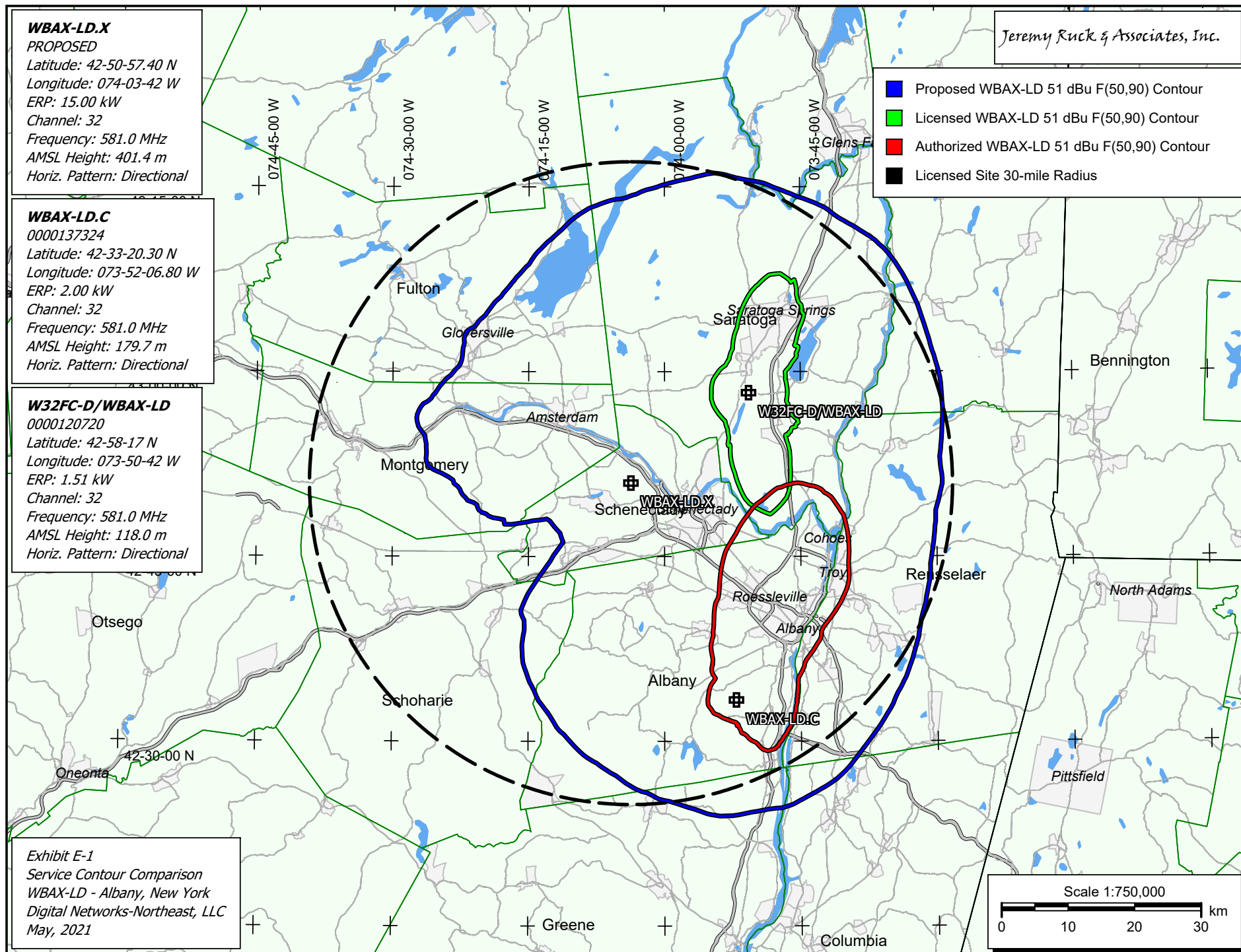


Exhibit E-1

Service Contour Comparison

WBAX-LD - Albany, New York

Digital Networks-Northeast, LLC

May, 2021

Exhibit E-2 - TVStudy Interference Study

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: WBAX CH 32 ASRN 1006430 401.4 m AMSL 15 kW ERP 100 m PSILP12SB @95, Model: Longley-Rice
Start: 2021.05.24 16:58:07

Study created: 2021.05.24 16:58:07

Study build station data: LMS TV 2021-05-24

Proposal: WBAX-LD D32 LD APP ALBANY, NY
File number: BLANK0000137324
Facility ID: 68052
Station data: User record
Record ID: 323
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	162.9 km
No	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	205.7
No	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	177.6
No	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	89.6
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTL19980120JE	89.6
No	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	55.3
No	WZPK-LD	D31	LD	LIC	HIGHLAND, NY	BLANK0000113730	131.6
No	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	176.3
Yes	WRNT-LD	D32	LD	LIC	HARTFORD, CT	BLANK0000080503	156.5
No	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	238.8
No	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	238.8
No	WMNE-LP	D32	LD	CP	PORTLAND, ME	BLANK0000063724	321.7
No	WMNE-LP	N32z	TX	LIC	PORTLAND, ME	BLTT20020429AAV	317.6
No	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	205.7
No	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	396.4
Yes	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	43.6
No	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	237.5
No	WXNY-LD	D32	LD	LIC	NEW YORK, NY	BLDTL20090908ACO	233.8
Yes	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	132.8
No	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	229.6
No	W32EI-D	D32-	LD	LIC	PORT JERVIS, NY	BLANK0000015198	209.1
No	W32EI-D	N32-	TX	LIC	PORT JERVIS, NY	BLTTL20121024AAB	172.8
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	363.1
No	WZPA-LD	D32	LD	LIC	PHILADELPHIA, PA	BLANK0000121505	352.3
No	W32FP-D	D32	LD	LIC	Scranton, PA	BLANK0000120702	198.3
Yes	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	211.6
No	WCCT-TV	D33	DT	LIC	WATERBURY, CT	BLANK0000080031	162.6
No	WCVB-TV	D33	DT	LIC	BOSTON, MA	BLANK0000117945	238.8
No	WCVB-TV	D33	DT	CP	BOSTON, MA	BLANK0000127502	238.8
No	WSKG-TV	D33	LD	CP	BINGHAMTON, NY	BLANK0000054938	204.5
No	W32EI-D	D33-	LD	APP	PORT JERVIS, NY	BLANK0000054805	229.6
Yes	WNGX-LD	D33	LD	LIC	SCHENECTADY, NY	BLANK0000082224	47.7
No	WVVC-LD	D33	LD	LIC	UTICA, NY	BLDTL20110829AAZ	94.6
No	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	208.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Mask: Full Service
Latitude: 42 50 57.40 N (NAD83)
Longitude: 74 3 42.00 W
Height AMSL: 401.4 m
HAAT: 194.8 m
Peak ERP: 15.0 kW

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1

Exhibit E-2 - TVStudy Interference Study

Antenna: PSILP95.012SB 95.0 deg
Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.40 kW	175.2 m	43.7 km
45.0	13.5	242.7	52.3
90.0	2.52	318.1	47.4
135.0	10.6	276.8	52.9
180.0	8.89	172.5	46.1
225.0	0.486	51.7	19.2
270.0	1.18	75.6	27.4
315.0	0.384	245.9	33.8

Proposal 25.51 dBu contour does not cross Canadian border
Distance to Canadian border: 225.1 km

Distance to Mexican border: 2795.9 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 272.7 degrees Distance: 261.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.0 degrees Distance: 2596.5 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000079823 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	162.9 km
	WEDH	D30	DT	LIC	HARTFORD, CT	BLANK0000080371	0.3
	WCSH	D31	DT	LIC	PORTLAND, ME	BLANK0000116938	295.7
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	260.8
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	191.7
	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	273.8
	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	148.2
	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	147.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32906.5 5,855,380	30268.1 5,419,622	29602.9 5,289,409	29602.9 5,289,409	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WBAX-LD D32 LD APP	2.0 27	0.0 0	
WEDH D30 DT LIC	26.1 1,025	25.1 1,017	
WCSH D31 DT LIC	246.3 29,301	167.5 16,587	
WSKG-TV D31 DT LIC	6.0 1,137	1.0 348	
WNCE-CD D31 DC LIC	65.0 3,652	43.0 1,082	
WTFX-TV D31 DT LIC	220.6 71,876	123.9 26,354	
WGBX-TV D32 DT LIC	173.7 20,706	94.8 7,992	
WLIW D32 DT LIC	106.0 61,045	32.3 18,562	

Interference to BLANK0000079823 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	162.9 km

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2

Exhibit E-2 - TVStudy Interference Study

WEDH	D30	DT	LIC	HARTFORD, CT	BLANK0000080371	0.3
WCSH	D31	DT	LIC	PORTLAND, ME	BLANK0000116938	295.7
WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	260.8
WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	191.7
WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	273.8
WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	148.2
WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	147.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32906.5 5,855,380	30268.1 5,419,622	29598.9 5,289,280	29598.9 5,289,280	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WBAX-LD D32 LD APP 2.0	27	0.0	0
WEDH D30 DT LIC 26.1	1,025	25.1	1,017
WCSH D31 DT LIC 246.3	29,301	166.5	16,365
WSKG-TV D31 DT LIC 6.0	1,137	1.0	348
WNCE-CD D31 DC LIC 65.0	3,652	44.0	1,109
WTFX-TV D31 DT LIC 220.6	71,876	123.9	26,354
WGBX-TV D32 DT CP 178.7	21,057	98.8	8,121
WLIW D32 DT LIC 106.0	61,045	32.3	18,562

Interference to BLANK0000080503 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRNT-LD	D32	LD	LIC	HARTFORD, CT	BLANK0000080503	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	156.5 km
	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	11.1
	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	140.8
	WMNE-LP	D32	LD	CP	PORTLAND, ME	BLANK0000063724	304.4
	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	157.6
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	165.5
	WCCT-TV	D33	DT	LIC	WATERBURY, CT	BLANK0000080031	10.8
	WCVB-TV	D33	DT	LIC	BOSTON, MA	BLANK0000117945	140.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7699.0 2,184,178	6890.1 1,988,990	5660.8 1,700,039	5659.8 1,700,039	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WBAX-LD D32 LD APP	2.0	0	1.0
WVIT D31 DT LIC	1023.4	249,547	13.0
WGBX-TV D32 DT LIC	320.7	44,104	58.0
WLIW D32 DT LIC	94.4	14,125	9.0
WCCT-TV D33 DT LIC	1142.3	273,368	108.0

Interference to BLANK0000080503 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRNT-LD	D32	LD	LIC	HARTFORD, CT	BLANK0000080503	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	156.5 km
	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	11.1
	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	140.8
	WMNE-LP	D32	LD	CP	PORTLAND, ME	BLANK0000063724	304.4
	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	157.6
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	165.5
	WCCT-TV	D33	DT	LIC	WATERBURY, CT	BLANK0000080031	10.8
	WCVB-TV	D33	DT	LIC	BOSTON, MA	BLANK0000117945	140.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7699.0 2,184,178	6890.1 1,988,990	5658.8 1,699,610	5657.8 1,699,610	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WBAX-LD D32 LD APP 2.0	0	1.0	0
WVIT D31 DT LIC 1023.4	249,547	13.0	4,479
WGBX-TV D32 DT CP 334.7	45,481	60.0	7,745
WLIW D32 DT LIC 94.4	14,125	9.0	2,327
WCCT-TV D33 DT LIC 1142.3	273,368	107.0	27,359

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Exhibit E-2 - TVStudy Interference Study

Interference to BLANK0000067798 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	43.6 km
	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	51.2
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	95.2
	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	272.0
	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	171.4
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	208.2
	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	249.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	2564.2	48,706	2192.5	40,389	2189.5	40,316	2177.4	40,190	0.55 0.31
Undesired			Total IX		Unique IX, before		Unique IX, after		
WBAX-LD D32 LD APP			14.1	157			12.1	126	
WNCE-CD D31 DC LIC			2.0	73	1.0	31	0.0	0	
WGBX-TV D32 DT LIC			1.0	0	1.0	0	0.0	0	
WETK D32 DT LIC			1.0	42	0.0	0	0.0	0	

Interference to BLANK0000067798 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	43.6 km
	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	51.2
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	95.2
	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	272.0
	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	171.4
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	208.2
	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	249.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	2564.2	48,706	2192.5	40,389	2189.5	40,316	2177.4	40,190	0.55 0.31
Undesired			Total IX		Unique IX, before		Unique IX, after		
WBAX-LD D32 LD APP			14.1	157			12.1	126	
WNCE-CD D31 DC LIC			2.0	73	1.0	31	0.0	0	
WGBX-TV D32 DT CP			1.0	0	1.0	0	0.0	0	
WETK D32 DT LIC			1.0	42	0.0	0	0.0	0	

Interference to BLANK0000080049 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	132.8 km
	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	264.9

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	4069.4	614,518	3753.1	555,936	3745.1	554,327	3744.1	554,254	0.03 0.01
Undesired			Total IX		Unique IX, before		Unique IX, after		
WBAX-LD D32 LD APP			1.0	73			1.0	73	
WUTV D32 DT LIC			8.0	1,609	8.0	1,609	8.0	1,609	

Interference to BLEDT20061011ADW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	211.6 km

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Exhibit E-2 - TVStudy Interference Study

WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	156.3	
WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	277.2	
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
29808.8	666,125	25421.5	572,451	25370.0	571,459	25349.8	571,276
7293.5	467,736	6449.9	451,584	6449.9	451,584	6449.9	451,584
Canada)						0.08	0.03
						0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WBAX-LD D32 LD APP	23.3	234			20.2	183
WNCE-CD D31 DC LIC	3.0	51	2.0	51	0.0	0
WGBX-TV D32 DT LIC	49.4	941	48.4	941	47.4	941

Interference to BLEDT20061011ADW LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	211.6 km
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	156.3
	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	277.2

Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
29808.8	666,125	25421.5	572,451	25367.0	571,407	25346.8	571,224
7293.5	467,736	6449.9	451,584	6449.9	451,584	6449.9	451,584
Canada)						0.08	0.03
						0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WBAX-LD D32 LD APP	23.3	234			20.2	183
WNCE-CD D31 DC LIC	3.0	51	2.0	51	0.0	0
WGBX-TV D32 DT CP	52.4	993	51.4	993	50.4	993

Interference to BLANK0000082224 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNGX-LD	D33	LD	LIC	SCHENECTADY, NY	BLANK0000082224	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	47.7 km
	WCCT-TV	D33	DT	LIC	WATERBURY, CT	BLANK0000080031	157.0
	WCVB-TV	D33	DT	LIC	BOSTON, MA	BLANK0000117945	202.9
	W32EI-D	D33-	LD	APP	PORT JERVIS, NY	BLANK0000054805	255.3
	WVVC-LD	D33	LD	LIC	UTICA, NY	BLDTL20110829AAZ	135.8
	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	252.7

Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
7474.2	949,908	6555.0	906,709	6466.7	903,702	6465.7	903,702
						0.02	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WBAX-LD D32 LD APP	2.0	0			1.0	0
WCCT-TV D33 DT LIC	11.0	145	5.0	24	5.0	24
WCVB-TV D33 DT LIC	40.1	1,202	21.0	392	21.0	392
WVVC-LD D33 LD LIC	51.2	2,436	36.2	1,747	36.2	1,747
WQPX-TV D33 DT LIC	10.0	161	6.0	34	6.0	34

Interference to BLANK0000082224 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNGX-LD	D33	LD	LIC	SCHENECTADY, NY	BLANK0000082224	
Undesireds:	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	47.7 km
	WCCT-TV	D33	DT	LIC	WATERBURY, CT	BLANK0000080031	157.0
	WCVB-TV	D33	DT	CP	BOSTON, MA	BLANK0000127502	202.9
	W32EI-D	D33-	LD	APP	PORT JERVIS, NY	BLANK0000054805	255.3
	WVVC-LD	D33	LD	LIC	UTICA, NY	BLDTL20110829AAZ	135.8
	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	252.7

Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
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5.24.2021

5

Exhibit E-2 - TVStudy Interference Study

7474.2	949,908	6555.0	906,709	6464.7	903,618	6463.7	903,618	0.02	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WBAX-LD D32 LD APP	2.0		0			1.0	0		
WCCT-TV D33 DT LIC	11.0		145	5.0	24	5.0	24		
WCVB-TV D33 DT CP	43.1		1,380	23.0	476	23.0	476		
WVVC-LD D33 LD LIC	51.2		2,436	35.2	1,653	35.2	1,653		
WQPX-TV D33 DT LIC	10.0		161	6.0	34	6.0	34		

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	
Undesireds:	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	89.6 km
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	55.3
	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	238.8
	WMNE-LP	D32	LD	CP	PORTLAND, ME	BLANK0000063724	321.7
	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	205.7
	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	43.6
	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	237.5
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	229.6
	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	211.6
	WNGX-LD	D33	LD	LIC	SCHENECTADY, NY	BLANK0000082224	47.7

Service area		Terrain-limited		IX-free		Percent IX	
5581.9	884,886	5055.6	855,400	4902.9	846,504	3.02	1.04
Undesired		Total IX		Unique IX		Prct Unique IX	
WNCE-CD D31 DC LIC	88.3	5,242	49.1	3,507	0.97	0.41	
WGBX-TV D32 DT LIC	9.1	131	3.0	5	0.06	0.00	
WUCB-LD D32 LD LIC	30.1	592	19.1	472	0.38	0.06	
WLIW D32 DT LIC	1.0	0	1.0	0	0.02	0.00	
WETK D32 DT LIC	43.3	2,455	17.1	1,070	0.34	0.13	
WNGX-LD D33 LD LIC	33.1	2,853	16.1	1,835	0.32	0.21	

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBAX-LD	D32	LD	APP	ALBANY, NY	BLANK0000137324	
Undesireds:	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	89.6 km
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	55.3
	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	238.8
	WMNE-LP	D32	LD	CP	PORTLAND, ME	BLANK0000063724	321.7
	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	205.7
	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	43.6
	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	237.5
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	229.6
	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	211.6
	WNGX-LD	D33	LD	LIC	SCHENECTADY, NY	BLANK0000082224	47.7

Service area		Terrain-limited		IX-free		Percent IX	
5581.9	884,886	5055.6	855,400	4902.9	846,504	3.02	1.04
Undesired		Total IX		Unique IX		Prct Unique IX	
WNCE-CD D31 DC LIC	88.3	5,242	49.1	3,507	0.97	0.41	
WGBX-TV D32 DT CP	9.1	131	3.0	5	0.06	0.00	
WUCB-LD D32 LD LIC	30.1	592	19.1	472	0.38	0.06	
WLIW D32 DT LIC	1.0	0	1.0	0	0.02	0.00	
WETK D32 DT LIC	43.3	2,455	17.1	1,070	0.34	0.13	
WNGX-LD D33 LD LIC	33.1	2,853	16.1	1,835	0.32	0.21	

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