

ENGINEERING STATEMENT
Renard Communications Corp.
March, 2021

Renard Communications Corp. (“Renard”), is the licensee of WNDR-LP, Auburn, NY (Fac. ID 41364) and also holds a construction permit (“CP”) for digital companion channel WNDR-LD (Fac. ID 189863) on UHF channel 31.

The CP has been displaced by subsequently authorized full-power stations as a result of the Commission’s television repack. The attached TV Study for the station’s present CP on channel 31 shows that prohibitive interference would be caused to co-channel stations WSKG-TV, Binghamton, NY and WWTI, Watertown, NY.

As the WNDR-LD CP has become displaced, Renard is proposing channel 32 as its replacement. A second TV Study report is also attached showing that no prohibitive interference would be caused to any existing authorizations.

Due to the proximity to Canada, a map has been included depicting the proposed 25.51 dBu (50,10) interfering contour. It is possible that concurrence from Canada may not be necessary as the proposed interfering contour for WNDR-LD is well within the existing 25.51 dBu (50,10) interfering contour of WUTV, Buffalo, NY.

WNDR-LD, Auburn, NY - Existing CP - UHF Channel 31

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BDCCDTL20110901ACT, Model: Longley-Rice

Start: 2021.03.12 13:11:11

Study created: 2021.03.12 13:11:10

Study build station data: LMS TV 2021-03-12

Proposal: WNDR-LD D31 LD CP AUBURN, NY

File number: BDCCDTL20110901ACT

Facility ID: 189863

Station data: User record

Record ID: 277

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	98.6 km
No	WBUO-LD	D30	LD	APP	OLEAN, NY	BLANK0000130314	177.4
No	WAWW-LP	D30-	LD	CP	ROCHESTER, NY	BLANK0000054618	83.8
No	WUTR	D30	DT	LIC	UTICA, NY	BLCDDT20040217ADC	116.4
No	W43CO-D	D30	LD	CP	KINGSTON, PA	BLANK0000054197	190.7
No	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	338.2
No	WETA-TV	D31	DT	LIC	WASHINGTON, DC	BLANK0000120146	446.7
No	WETA-TV	D31	LD	CP	WASHINGTON, DC	BDRTEDT20090811ACE	428.4
No	WPPX-TV	D31	DT	LIC	WILMINGTON, DE	BLCDDT20031203AFL	342.3
Yes	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	111.9
Yes	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	190.1
No	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	120.3
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTTL19980120JE	120.3
No	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	233.5
No	WZPK-LD	D31	LD	LIC	HIGHLAND, NY	BLANK0000113730	231.0
No	WHTV-LD	D31+	LD	CP	PORT JERVIS, NY	BLANK0000054804	326.6

No	W31EF-D	D31+	LD	LIC	PORT JERVIS, NY	BLANK0000049440	308.2
Yes	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	124.6
No	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	396.0
No	WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK0000105303	306.4
No	WGAL	D31	LD	APP	LANCASTER, PA	BDRTCDT20090824ADR	340.5
No	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	342.4
No	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	395.2
No	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	190.7
No	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	171.4
No	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	75.6
No	W32FP-D	D32	LD	LIC	Scranton, PA	BLANK0000120702	107.0
No	WWLF-LD	N35z	TX	LIC	SYRACUSE, NY	BLTTA20050922ACH	36.0
No	CFHD-DT	D31	DT	LIC	MONTRAL, QC	BLANKCANADA280	370.2

Non-directional AM stations within 0.8 km:

WMBO 1340 L ND1 U AUBURN, NY BL8034

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Mask: Stringent
Latitude: 42 57 5.00 N (NAD83)
Longitude: 76 35 4.00 W
Height AMSL: 219.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SWR-SWLP08OI (ID 24161) 0.0 deg
Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	76.4 m	40.2 km
45.0	11.9	31.5	29.1
90.0	6.53	-58.8	26.1
135.0	5.58	-36.9	25.4
180.0	6.73	-36.1	26.3
225.0	5.58	62.7	33.3
270.0	6.53	76.1	36.1
315.0	11.9	82.4	40.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 25 m

**Proposal 25.42 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 77.5 km

Distance to Mexican border: 2638.4 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 265.9 degrees Distance: 55.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 272.3 degrees Distance: 2390.8 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000086927 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	
Undesireds:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	98.6 km
	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	104.7
	WIAV-CD	D30	DC	LIC	WASHINGTON, DC	BLANK0000119221	355.9
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	191.3
	KYW-TV	D30	DT	LIC	PHILADELPHIA, PA	BLANK0000129344	279.4
	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	306.0
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	93.8
	CITY-DT	D30	DT	LIC	TORONTO, ON	BLANKCANADA238	251.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
18678.4	563,486	15944.5	452,106	15560.3	443,285	15475.6	441,627	0.54	0.37

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNDR-LD D31 LD CP	127.1	2,518			84.7	1,658
WQMY D29 DT LIC	4.0	0	1.0	0	1.0	0
WUTR D30 DT LIC	132.9	3,225	101.7	2,295	64.4	1,487
KYW-TV D30 DT LIC	102.3	931	70.2	630	70.2	630
WPTG-CD D30 DC LIC	1.0	0	0.0	0	0.0	0
WSKG-TV D31 DT LIC	166.9	5,444	144.8	4,522	144.8	4,522
CITY-DT D30 DT LIC	29.2	408	23.2	305	22.2	305

Interference to BLANK0000086927 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	
Undesireds:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	98.6 km
	WQMY	D29	DT	CP	WILLIAMSPORT, PA	BLANK0000035754	104.7
	WIAV-CD	D30	DC	LIC	WASHINGTON, DC	BLANK0000119221	355.9
	WUTR	D30	DT	LIC	UTICA, NY	BLCDDT20040217ADC	191.3
	KYW-TV	D30	DT	LIC	PHILADELPHIA, PA	BLANK0000129344	279.4
	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	306.0
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	93.8
	CITY-DT	D30	DT	LIC	TORONTO, ON	BLANKCANADA238	251.4

Service area	Terrain-limited	IX-free, before		IX-free, after		Percent New IX	
18678.4	563,486	15944.5	452,106	15560.3	443,285	15475.6	441,627
						0.54	0.37

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNDR-LD D31 LD CP	127.1	2,518			84.7	1,658
WQMY D29 DT CP	8.0	0	1.0	0	1.0	0
WUTR D30 DT LIC	132.9	3,225	101.7	2,295	64.4	1,487
KYW-TV D30 DT LIC	102.3	931	66.2	630	66.2	630
WPTG-CD D30 DC LIC	1.0	0	0.0	0	0.0	0
WSKG-TV D31 DT LIC	166.9	5,444	144.8	4,522	144.8	4,522
CITY-DT D30 DT LIC	29.2	408	23.2	305	22.2	305

Interference to BLANK0000116396 LIC scenario 1

**IX: 1.63% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	

Undesireds:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	111.9 km
	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	93.8
	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	260.8
	WETA-TV	D31	DT	LIC	WASHINGTON, DC	BLANK0000120146	358.8
	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	266.3
	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	225.9
	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	203.0
	WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK0000105303	266.5
	WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	232.3

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
21113.1	896,412	18544.3	650,863	17965.3	637,523	17721.7	627,123	1.36	1.63

Undesired				Total IX	Unique IX, before	Unique IX, after
WNDR-LD D31 LD CP	326.4	12,503			243.6	10,400
WYDC D30 DT LIC	110.7	3,737	87.8	3,541	87.8	3,541
WVIT D31 DT LIC	145.3	2,550	55.1	723	55.1	723
WETA-TV D31 DT LIC	9.1	8	0.0	0	0.0	0
WNED-TV D31 DT LIC	74.7	3,147	39.4	1,878	11.1	1,266
WNCE-CD D31 DC LIC	1.0	0	0.0	0	0.0	0
WWTI D31 DT LIC	58.6	1,165	33.3	519	18.1	310
WATM-TV D31 DT LIC	149.5	2,715	65.2	1,159	62.1	1,133
WTFX-TV D31 DT LIC	251.1	4,303	114.6	1,838	105.5	1,663

Interference to BLANK0000107983 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	
Undesireds:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	190.1 km
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	266.3
	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	275.0
	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	261.5
	WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK0000105303	276.5
	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	0.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
14255.4	1,388,797	13787.4	1,373,616	13533.3	1,364,396	13518.2	1,363,900	0.11	0.04
9297.0	3,206,937	9285.0	3,184,027	9247.8	3,170,712	9247.8	3,170,712	0.00	0.00

(in Canada)

Undesired			Total IX	Unique IX, before		Unique IX, after		
WNDR-LD D31 LD CP	59.4		1,976			15.1	496	
WSKG-TV D31 DT LIC	30.2		596	10.1	52	5.0	0	
WWTI D31 DT LIC	58.3		4,867	34.1	4,022	17.0	3,277	
WYTV D31 DT LIC	41.3		876	31.3	564	31.3	564	
WATM-TV D31 DT LIC	60.6		2,358	34.4	1,437	33.4	1,418	
WUTV D32 DT LIC	110.9		1,951	105.9	1,895	104.9	1,869	
WUTV D32 DT LIC	37.2		13,315	37.2	13,315	37.2	13,315	(in Canada)

Interference to BLANK0000079855 LIC scenario 1

**IX: 2.57% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	
Undesireds:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	124.6 km
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	92.7
	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	337.8
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	203.0
	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	275.0
	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	90.6

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX	
	14079.4	196,636	13455.6	190,098	13248.7	189,025	12838.2	184,170	3.10 2.57
	2140.1	114,771	2136.1	114,771	2132.1	114,771	2132.1	114,771	0.00 0.00

(in Canada)

Undesired			Total IX	Unique IX, before		Unique IX, after		
WNDR-LD D31 LD CP	551.2		5,658			410.4	4,855	
WNDR-LD D31 LD CP	2.0		0			0.0	0	(in Canada)
WUTR D30 DT LIC	12.0		88	1.0	2	1.0	2	
WVIT D31 DT LIC	6.0		23	2.0	22	2.0	22	
WSKG-TV D31 DT LIC	194.9		989	143.1	583	56.2	217	
WSKG-TV D31 DT LIC	2.0		0	2.0	0	0.0	0	(in Canada)
WNED-TV D31 DT LIC	53.8		381	9.0	60	1.0	0	
WNED-TV D31 DT LIC	2.0		0	2.0	0	2.0	0	(in Canada)
WTKO-CD D32 DC LIC	2.0		1	0.0	0	0.0	0	

Interference to proposal scenario 1

11.72% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	
Undesireds:	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	111.9 km
	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	190.1
	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	120.3
	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	124.6

Service area	Terrain-limited	IX-free	Percent IX
3323.8 171,447	3200.3 163,715	2792.7 144,526	12.74 11.72

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSKG-TV D31 DT LIC 35.1 1,425 14.1	1,045	0.44 0.64	
WNED-TV D31 DT LIC 31.1 1,663 13.1	331	0.41 0.20	
WWTI D31 DT LIC 377.5 17,775 347.4	16,202	10.86 9.90	

WNDR-LD, Auburn, NY - Proposed UHF Channel 32

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: 000001D, Model: Longley-Rice

Start: 2021.03.12 17:42:09

Study created: 2021.03.12 17:42:09

Study build station data: LMS TV 2021-03-12

Proposal: WNDR-LD D32 LD APP AUBURN, NY

File number: 000001D

Facility ID: 189863

Station data: User record

Record ID: 282

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	111.9 km
No	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	190.1
No	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	120.3
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTL19980120JE	120.3
No	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	124.6
No	WRNT-LD	D32	LD	LIC	HARTFORD, CT	BLANK0000080503	336.4
No	WGBX-TV	D32	DT	LIC	BOSTON, MA	BLANK0000117890	443.0
No	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000130650	443.0
No	WBAX-LD	D32z	LD	LIC	ALBANY, NY	BLANK0000120720	222.8
No	WBAX-LD	D32z	LD	CP	ALBANY, NY	BLANK0000137324	226.0
Yes	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	190.7
No	WUCB-LD	D32	LD	LIC	COBLESKILL, NY	BLANK0000067798	171.4
No	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK0000086492	327.5

No	WXNY-LD	D32	LD	LIC	NEW YORK, NY	BLDTL20090908ACO	328.3
Yes	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	75.6
No	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	308.2
No	W32EI-D	D32-	LD	LIC	PORT JERVIS, NY	BLANK0000015198	271.3
No	W32EI-D	N32-	TX	LIC	PORT JERVIS, NY	BLTTL20121024AAB	236.3
No	WYFX-LD	D32	LD	LIC	YOUNGSTOWN, OH	BLANK0000082699	396.0
No	WMVH-CD	D32	DC	CP	CHARLEROI, PA	BLANK0000127551	417.9
No	W32DH-D	D32	LD	LIC	ERIE, PA	BLDTL20101122AHG	302.5
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	290.6
No	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	342.6
No	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK0000127549	342.6
No	WZPA-LD	D32	LD	LIC	PHILADELPHIA, PA	BLANK0000121505	386.0
No	W32FP-D	D32	LD	LIC	Scranton, PA	BLANK0000120702	107.0
No	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	349.7
No	WSKG-TV	D33	LD	CP	BINGHAMTON, NY	BLANK0000054938	58.4
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK0000137137	163.3
No	WVVC-LD	D33	LD	LIC	UTICA, NY	BLDTL20110829AAZ	113.3
No	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	182.8
No	W33DZ-D	D33	LD	CP	WILLIAMSPORT, PA	BDCCDTT20130103ACT	198.3
No	WWLF-LD	N35z	TX	LIC	SYRACUSE, NY	BLTTA20050922ACH	36.0
No	CHOT-DT	D32	DT	LIC	GATINEAU, QC	BLANKCANADA267	289.6

Non-directional AM stations within 0.8 km:
 WMBO 1340 L ND1 U AUBURN, NY BL8034

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
 Mask: Simple
 Latitude: 42 57 5.00 N (NAD83)
 Longitude: 76 35 4.00 W
 Height AMSL: 215.0 m
 HAAT: 0.0 m
 Peak ERP: 6.00 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.00 kW	72.4 m	35.1 km

45.0	6.00	27.5	25.6
90.0	6.00	-62.8	25.6
135.0	6.00	-40.9	25.6
180.0	6.00	-40.1	25.6
225.0	6.00	58.7	32.9
270.0	6.00	72.1	35.0
315.0	6.00	78.4	35.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 21 m

**Proposal 25.51 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 77.5 km

Distance to Mexican border: 2638.4 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 265.9 degrees Distance: 55.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 272.3 degrees Distance: 2390.8 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000116396 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	
Undesireds:	WNDR-LD	D32	LD	APP	AUBURN, NY	000001d	111.9 km
	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	93.8
	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	260.8
	WETA-TV	D31	DT	LIC	WASHINGTON, DC	BLANK0000120146	358.8

WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	266.3
WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	225.9
WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	203.0
WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK0000105303	266.5
WTFX-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	232.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21113.1	896,412	18544.3	650,863	17965.3	637,523	17958.2	637,469	0.04	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
WNDR-LD D32 LD APP	13.1	127			7.1	54	
WYDC D30 DT LIC	110.7	3,737	87.8	3,541	87.8	3,541	
WVIT D31 DT LIC	145.3	2,550	55.1	723	55.1	723	
WETA-TV D31 DT LIC	9.1	8	0.0	0	0.0	0	
WNED-TV D31 DT LIC	74.7	3,147	39.4	1,878	38.4	1,861	
WNCE-CD D31 DC LIC	1.0	0	0.0	0	0.0	0	
WWTI D31 DT LIC	58.6	1,165	33.3	519	31.3	519	
WATM-TV D31 DT LIC	149.5	2,715	65.2	1,159	65.2	1,159	
WTFX-TV D31 DT LIC	251.1	4,303	114.6	1,838	114.6	1,838	

Interference to BLANK0000136979 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	
Undesireds:	WNDR-LD	D32	LD	APP	AUBURN, NY	000001d	190.7 km
	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	0.8
	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	264.9
	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	332.5
	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	343.4
	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	253.7
	WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK0000137137	45.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
18611.1	1,585,535	17523.2	1,554,433	16843.1	1,529,657	16811.9	1,526,247	0.19	0.22
13350.1	5,864,423	13338.1	5,855,040	13337.1	5,854,438	13337.1	5,854,438	0.00	0.00

(in Canada)

Undesired		Total IX		Unique IX, before		Unique IX, after	
WNDR-LD D32 LD APP	50.3	8,299			31.2	3,410	
WNED-TV D31 DT LIC	9.1	51	6.1	51	6.1	51	

WNED-TV D31 DT LIC	1.0	602	1.0	602	1.0	602	(in Canada)
WTKO-CD D32 DC LIC	5.0	3,662	5.0	3,662	0.0	0	
WHP-TV D32 DT LIC	42.2	1,615	32.1	1,513	20.0	310	
WGRZ D33 DT LIC	636.9	19,550	623.9	19,448	621.9	19,424	

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:	WNDR-LD	D32	LD	APP	AUBURN, NY	000001d	75.6 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	3700.9	536,233	3680.8	533,310	0.22 0.02
Undesired			Total IX		Unique IX, before	Unique IX, after	
WNDR-LD D32 LD APP		8.0	98			8.0 98	
WUTV D32 DT LIC		20.1	2,825		20.1 2,825	20.1 2,825	

Interference to proposal scenario 1
7.32% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNDR-LD	D32	LD	APP	AUBURN, NY	000001d	
Undesireds:	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	120.3 km
	WBAX-LD	D32z	LD	LIC	ALBANY, NY	BLANK0000120720	222.8
	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	190.7
	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	75.6
	W32EI-D	D32-	LD	APP	PORT JERVIS, NY	BLANK0000033498	308.2
	Service area		Terrain-limited		IX-free	Percent IX	
	2903.3	146,173	2798.8	140,836	2551.0	130,527	8.85 7.32
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WUTV D32 DT LIC		153.6	6,888		112.5	4,823	4.02 3.42
WTKO-CD D32 DC LIC		135.2	5,486		94.1	3,421	3.36 2.43

WNDR-LD, Auburn, NY Proposed 25.51 dBu (50,10) Contour

WNDR-LD-D.A

000001D

Latitude: 42-57-05 N

Longitude: 076-35-04 W

ERP: 6.00 kW

Channel: 32

Frequency: 581.0 MHz

AMSL Height: 215.0 m

Elevation: 160.0 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

