

# INTERFERENCE ANALYSIS FOR PROPOSED WNYT (DRT-27), TROY, NEW YORK, CHANNEL 27, 15 KW-ND, 491.0 M AMSL

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: wnyt27drt, Model: Longley-Rice

Study build station data: LMS TV 2021-07-28

Proposal: WNYT27DRT D27 LD APP ALBANY, NY  
File number: wnyt27drt  
Facility ID: 73363  
Station data: User record  
Record ID: 3988  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W26EU-D	D26-	LD	LIC	BOSTON, MA	BLANK0000150613	203.9 km
Yes	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	100.5
No	WYCU-LD	D26	LD	LIC	CHARLESTOWN, ETC., NH	BLDTL20121214ABJ	127.5
No	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	228.4
Yes	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	35.8
No	W26DC-D	D26	LD	LIC	ROSLYN, NY	BLDTT20140310ADR	220.8
No	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	207.7
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	180.3
No	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000136334	459.6
No	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	271.6
No	W27BL	N27+	TX	LIC	BERLIN, NH	BLTTL19950530IQ	271.6
No	W27ER-D	D27	LD	LIC	WESTMORELAND, NH	BLANK0000152179	101.3
No	W27EC-D	D27+	LD	LIC	BELVIDERE, NJ	BLANK0000058689	253.6
Yes	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	206.3
Yes	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	232.6
No	WMJQ-CD	D27	DC	LIC	SYRACUSE, NY	BLANK0000121173	208.8
Yes	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	136.2
Yes	WYJH-LD	D27	LD	CP	WHITE LAKE, NY	BLANK0000149932	124.7
No	WOLF-TV	D27	LD	CP	HAZLETON, PA	BLANK0000054833	195.8
No	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	333.5
No	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	415.3
Yes	W16AL	D27+	LD	CP	BURLINGTON, VT	BLANK0000118485	199.5
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTL20010608AAO	174.8
Yes	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	137.0
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	50.0
No	W28FA-D	D28	LD	LIC	WESTMORELAND, NH	BLANK0000151953	173.3
No	W28FA-D	D28	LD	CP	WESTMORELAND, NH	BLANK0000153199	215.4
Yes	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	58.5
No	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	206.6
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	204.3
No	WNYJ-LD	D28-	LD	CP	New York, NY	BLANK0000127438	157.8
No	W25FA-D	D28	LD	CP	New York, NY	BLANK0000127436	204.3
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	122.4
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	132.0
No	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	132.3
No	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	242.5
No	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDTL20120507ABK	120.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27  
Mask: Full Service  
Latitude: 42 47 9.00 N (NAD83)  
Longitude: 73 37 41.00 W  
Height AMSL: 491.0 m  
HAAT: 342.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 1.75

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	401.8 m	61.8 km
45.0	15.0	312.3	57.3
90.0	15.0	174.4	49.4

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135.0	15.0	219.6	52.0
180.0	15.0	346.6	59.0
225.0	15.0	436.3	63.5
270.0	15.0	433.1	63.4
315.0	15.0	415.9	62.5

Proposal 25.05 dBu contour does not cross Canadian border

Distance to Canadian border: 246.4 km

Distance to Mexican border: 2821.1 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 274.0 degrees Distance: 296.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.4 degrees Distance: 2632.3 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%

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Interference to BLANK0000083684 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	100.5 km
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	119.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	119.9
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	333.9
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	199.9
	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	308.2
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	96.3
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22120.7	3,446,503	19575.5	3,066,770	18183.5	2,782,169	18180.5 2,782,169	0.02 0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WNYT27DRT D27 LD APP	10.0	40			3.0	0
WMHT D25 DT LIC	80.3	1,426	58.4	1,061	56.3	1,023
WJAR D25 DT LIC	303.8	88,719	122.8	22,169	122.8	22,169
WFUT-DT D26 DT LIC	790.8	117,536	699.5	96,283	698.5	96,283
WPBS-TV D26 DT LIC	9.0	75	2.0	0	2.0	0
WUNI D27 DT LIC	471.4	159,669	264.1	84,759	264.1	84,759

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Interference to BLANK0000123807 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	35.8 km
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	0.3
	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	119.7
	WYCU-LD	D26	LD	LIC	CHARLESTOWN, ETC., NH	BLDTL20121214ABJ	163.3
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	329.0
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	208.9
	W26BF	D26-	LD	CP	ELMIRA, NY	BLANK0000137845	235.2
	W26CE	N26-	TX	LIC	NEW YORK, NY	BLTTL20080306ABU	222.3
	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	195.4
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	108.6
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
9147.5	969,548	8034.0	909,389	7404.4	874,238	7318.9 870,681	1.15 0.41

Undesired	Total IX		Unique IX, before		Unique IX, after	
WNYT27DRT D27 LD APP	121.7	4,513			85.5	3,557
WMHT D25 DT LIC	585.3	34,576	572.2	34,440	543.0	33,685
WGGB-TV D26 DT LIC	38.3	341	18.2	165	16.1	165
WYCU-LD D26 LD LIC	1.0	0	0.0	0	0.0	0

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WFUT-DT D26 DT LIC	18.1	297	17.1	297	12.0	96
WPBS-TV D26 DT LIC	9.1	142	2.0	73	2.0	73

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Interference to BLANK0000090477 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	206.3 km
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000136334	308.8
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	219.9
	WMJQ-CD	D27	DC	LIC	SYRACUSE, NY	BLANK0000121173	112.4
	WQLN	D27	DT	LIC	ERIE, PA	BLANK0000083708	340.2
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000112576	378.7
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	135.7
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	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	18939.9	859,163	17005.3	617,456	16891.7	615,432	0.02 <span style="background-color: yellow;">0.00</span>

Undesired	Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	4.0	2	3.0
WMAR-TV D27 DT LIC	48.2	985	27.1
WNYW D27 DT LIC	70.3	1,185	50.2
WMJQ-CD D27 DC LIC	16.1	106	14.1
WQLN D27 DT LIC	1.0	1	0.0

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Interference to BLANK0000079881 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	232.6 km
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	4.6
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	280.1
	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000136334	271.8
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	219.9
	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	127.9
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	111.8
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	127.6
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	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	26438.4	20,065,032	24816.8	19,763,273	23504.8	19,444,056	0.07 <span style="background-color: yellow;">0.01</span>

Undesired	Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	57.4	7,333	16.1
WFUT-DT D26 DT LIC	135.8	48,822	127.8
WUNI D27 DT LIC	12.1	4,017	4.0
WMAR-TV D27 DT LIC	374.1	43,401	159.0
WIVT D27 DT LIC	151.5	22,303	43.2
WPSJ-CD D27 DC LIC	669.3	188,697	158.4
WHPX-TV D28 DT LIC	16.9	5,413	14.9
WEPT-CD D28 DC LIC	122.8	26,536	73.5
WCAU D28 DT LIC	612.7	98,156	90.9

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Interference to BLANK0000112742 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	136.2 km
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	108.6
	W27EC-D	D27+	LD	LIC	BELVIDERE, NJ	BLANK0000058689	117.6
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	137.8
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	111.8
	WOLF-TV	D27	LD	CP	HAZLETON, PA	BLANK0000054833	89.0
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	88.3
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	30.1
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	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	7560.2	824,131	6341.3	676,380	6003.2	652,578	0.27 <span style="background-color: yellow;">0.11</span>

# INTERFERENCE ANALYSIS FOR PROPOSED WNYT (DRT-27), TROY, NEW YORK, CHANNEL 27, 15 KW-ND, 491.0 M AMSL

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	35.1	6,010		16.0 737
WFUT-DT D26 DT LIC	2.0	0	0.0 0	
W27EC-D D27+ LD LIC	9.0	121	3.0 81	3.0 81
WIVT D27 DT LIC	86.2	7,514	22.1 769	22.1 769
WNYW D27 DT LIC	162.5	3,635	131.4 2,297	130.4 2,293
WOLF-TV D27 LD CP	87.4	1,586	56.2 1,284	56.2 1,284
WEPT-CD D28 DC LIC	78.2	18,972	49.1 12,046	38.1 8,090

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Interference to BLANK0000149932 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	CP	WHITE LAKE, NY	BLANK0000149932	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	124.7 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	208.0
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	180.6
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	107.9
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	79.6
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	15.2
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	1338.7 370,624	996.6 304,984		930.3 292,879		928.3 291,939	0.22 0.32

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	9.1	2,756		2.0 940
WUNI D27 DT LIC	1.0	371	0.0 0	0.0 0
WIVT D27 DT LIC	1.0	0	0.0 0	0.0 0
WNYW D27 DT LIC	31.2	3,174	26.1 1,933	23.1 1,573
WEPT-CD D28 DC LIC	39.2	9,801	34.2 8,931	31.2 7,475

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Interference to BLANK0000118485 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W16AL	D27+	LD	CP	BURLINGTON, VT	BLANK0000118485	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	199.5 km
	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	153.0
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	333.3
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5902.0 281,430	5119.4 261,511		5119.4 261,511		5115.4 261,493	0.08 0.01
Undesired		Total IX	Unique IX, before	Unique IX, after			
WNYT27DRT D27 LD APP	4.0	18		4.0 18			

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Interference to BLANK0000080171 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	137.0 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	133.9
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	96.6
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	250.1
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	273.8
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	327.6
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	148.0
	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	89.9
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	32796.5 5,584,310	29833.8 5,142,681		28123.3 4,739,343		28122.3 4,739,343	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	11.1	120		1.0 0
WUNI D27 DT LIC	187.4	51,363	82.7 19,345	82.7 19,345
WNYW D27 DT LIC	24.3	6,979	1.0 304	1.0 304
WEPT-CD D28 DC LIC	778.4	70,527	592.7 43,557	587.7 43,512
WWDG-CD D28 DC LIC	6.1	35	2.0 35	1.0 0
WCAU D28 DT LIC	268.3	57,213	54.3 9,072	54.3 9,072

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WVTB D28 DT LIC	17.2	164	16.2	164	16.2	164
WNEU D29 DT LIC	119.7	35,325	18.9	3,986	18.9	3,986
WLNY-TV D29 DT LIC	691.2	275,639	605.8	244,417	605.8	244,417

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Interference to BLANK0000151254 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	
Undesireds:	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	58.5 km
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	193.3
	W28FA-D	D28	LD	LIC	WESTMORELAND, NH	BLANK0000151953	201.3
	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	226.6
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	260.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	177.4
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	116.8
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	204.7
	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	98.9
	W28DQ-D	D29	LD	CP	WINDSOR, VT	BLANK0000051758	105.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	
	8818.2	417,400	6686.2	353,164	6631.0	352,380	6598.8
							348,815
							Percent New IX
							0.49
							1.01

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYT27DRT D27 LD APP	37.2	3,725		32.2
WHPX-TV D28 DT LIC	28.2	384	22.1	3,565
DDWBPN-LP D28z LD APP	1.0	0	0.0	258
WEPT-CD D28 DC LIC	13.1	219	10.1	21.1
WWDG-CD D28 DC LIC	1.0	0	0.0	258
WVTB D28 DT LIC	18.0	307	14.0	0.0
WKTV D29 DT LIC	3.0	0	1.0	0

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Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNYT27DRT	D27	LD	APP	ALBANY, NY	wnyt27drt	
Undesireds:	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	35.8 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	180.3
	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	271.6
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	206.3
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	232.6
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	136.2
	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	50.0
	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	58.5
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	132.0

Undesired		Total IX	Unique IX	Prcnt Unique IX
WYBN-LD D26 LD LIC	86.8	1,153	78.7	0.86
WUNI D27 DT LIC	7.1	7	2.0	0.11
WIVT D27 DT LIC	10.1	7	7.0	0.02
WNYW D27 DT LIC	1.0	0	0.0	0.00
WYJH-LD D27 LD LIC	90.7	3,507	83.7	0.08
W28DA-D D28 LD LIC	12.1	127	6.1	0.00
WNYT D28 LD LIC	52.0	2,905	49.0	0.00