



# **NEW(TV) - SYRACUSE, NEW YORK** **JULY 2022** **APPENDIX B** **Longley-Rice Interference Analysis**

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: WNYS-TV 15 AP 450K 798p6C, Model: Longley-Rice  
 Start: 2022.07.21 13:42:35

Study created: 2022.07.21 13:42:35

Study build station data: LMS TV 2022-07-21

Proposal: WNYS-TV D15 DT APP Syracuse, NY  
 File number: WNYS-TV 15 AP 450K 798p6C  
 Facility ID: 58725  
 Station data: User record  
 Record ID: 255  
 Country: U.S.  
 Zone: I

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	WSYT	D14	DT	LIC	SYRACUSE, NY	BLANK0000086898	0.0 km
No	WGME-TV	D15	DT	LIC	PORTLAND, ME	BLANK0000080225	475.3
Yes	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	222.6
Yes	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	269.2
No	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	444.2
No	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK0000136976	222.6
No	WFNY-CD	D16	DC	LIC	GLOVERSVILLE, NY	BLANK0000068459	150.7
Yes	WNYS-CD	D16	DC	LIC	ITHACA, NY	BLANK0000001083	55.7
Yes	CHCH-DT	D15	DT	LIC	HAMILTON, ON	BLANKCANADA173	292.6
Yes	CITS-DT-1	D15	DT	LIC	OTTAWA, ON	BLANKCANADA206	264.6
No	CKMI-DT-1	D15	DT	LIC	MONTRAL, QC	BLANKCANADA274	358.2
No	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	157.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15  
 Latitude: 42 52 50.50 N (NAD83)  
 Longitude: 76 11 58.70 W  
 Height AMSL: 798.6 m  
 HAAT: 442.6 m  
 Peak ERP: 450 kW  
 Antenna: DIE TFU 20 DSC/VP-R T140 DC 0.0 deg  
 Elev Pattn: Generic

38.8 dBu contour:  
 Azimuth ERP HAAT Distance

**Appendix B - Interference Analysis**  
**NEW(TV) - Syracuse, New York**  
**Channel 15 -450 kW - Page 2**

0.0 deg	273 kW	506.3 m	107.3 km
45.0	423	490.2	110.3
90.0	205	438.8	99.0
135.0	369	418.1	102.8
180.0	337	344.0	96.2
225.0	216	399.7	96.7
270.0	450	473.0	109.5
315.0	249	471.3	103.5

**\*\*Proposal is within coordination distance of Canadian border**  
Distance to Canadian border: 96.4 km

Distance to Mexican border: 2658.0 km

Conditions at FCC monitoring station: Canandaigua NY  
Bearing: 272.8 degrees Distance: 86.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 272.7 degrees Distance: 2422.4 km

No land mobile station failures found

Study cell size: 2.00 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 BLANK0000086898 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSYT	D14	DT	LIC	SYRACUSE, NY	BLANK0000086898	
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	0.0 km
	WPTZ	D14	DT	LIC	PLATTSBURGH, NY	BLANK0000058609	327.6
	CITS-DT	D14	DT	LIC	HAMILTON, ON	BLANKCANADA175	292.6
	CIIT-DT-6	D14	DT	LIC	OTTAWA, ON	BLANKCANADA198	292.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34702.7	1,970,721	32344.0	1,739,071	31976.2	1,730,035	31964.2 1,729,949	0.04 0.00
120.4	0	120.4	0	120.4	0	120.4 0	0.00 0.00 (in
Canada)							

Undesired	Total IX	Unique IX, before	Unique IX, after
WNYS-TV D15 DT APP	12.0	86	12.0 86
WPTZ D14 DT LIC	155.7	2,361	92.0 1,691
CITS-DT D14 DT LIC	59.9	4,726	59.9 4,726
CIIT-DT-6 D14 DT LIC	215.9	2,619	152.1 1,949

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Interference to BLDTA20111130LWW LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	222.6 km
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLDT20130614ACC	215.3
	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK0000136976	0.0
	CITS-DT	D14	DT	LIC	HAMILTON, ON	BLANKCANADA175	71.5
	CHCH-DT	D15	DT	LIC	HAMILTON, ON	BLANKCANADA173	71.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4092.4	1,067,640	4076.3	1,066,331	1887.7	888,659	1887.7 888,659	0.00 0.00

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**Channel 15 -450 kW - Page 3**

315.7	29,288	315.7	29,288	151.9	18,968	151.9	18,968	0.00	0.00	(in Canada)
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Undesired		Total IX	Unique IX, before	Unique IX, after	
WNYS-TV D15 DT APP	4.0	2		0.0	0
WNYS-TV D15 DT APP	4.0	0		0.0	0 (in Canada)
WPSU-TV D15 DD LIC	23.8	454	0.0	0.0	0
WNYO-TV D16 DT LIC	483.2	42,687	91.9	91.9	5,113
WNYO-TV D16 DT LIC	107.9	2,565	0.0	0.0	0 (in Canada)
CITS-DT D14 DT LIC	4.0	2	0.0	0.0	0
CHCH-DT D15 DT LIC	2096.7	172,559	1685.6	1685.6	134,533
CHCH-DT D15 DT LIC	163.9	10,320	56.0	56.0	7,755 (in Canada)

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Interference to BLEDT20130614ACC LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	269.2 km
	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	215.3
	WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	275.2
	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	268.8
	WVPT	D15	DT	APP	STAUNTON, VA	BLANK00000149712	337.1
	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	148.5
	CHCH-DT	D15	DT	LIC	HAMILTON, ON	BLANKCANADA173	256.5
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	36299.1	1,055,133	32592.1	868,013	31575.4	839,370	0.20 0.02

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYS-TV D15 DT APP	108.5	318		64.2
WBNF-CD D15 DC LIC	12.0	105	4.0	0.0
WEWS-TV D15 DT LIC	522.3	11,079	430.2	422.1
WFDC-DT D15 DT LIC	410.1	16,438	341.8	329.7
WVPT D15 DT APP	88.5	2,458	40.2	40.2
WINP-TV D16 DT LIC	59.9	1,290	24.0	24.0
CHCH-DT D15 DT LIC	72.3	674	40.2	24.1

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Interference to BLANK0000001083 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNYS-CD	D16	DC	LIC	ITHACA, NY	BLANK0000001083	
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	55.7 km
	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK00000127611	69.1
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	196.0
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	594.5	79,725	570.3	78,445	566.4	78,361	0.70 0.24

Undesired		Total IX	Unique IX, before	Unique IX, after
WNYS-TV D15 DT APP	4.0	185		4.0
CJOH-TV-6 D16 DT LIC	4.0	84	4.0	4.0

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Interference to BLANKCANADA173 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	CHCH-DT	D15	DT	LIC	HAMILTON, ON	BLANKCANADA173	
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	292.6 km
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLEDT20030922ABG	316.1
	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	71.5
	WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	259.0
	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK00000136976	71.5

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CITY-DT-2 D16		DT	LIC	WOODSTOCK, ON		BLANKCANADA246		82.6	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	(in
2201.8	299,103	2201.8	299,103	1442.0	95,927	1442.0	95,927	0.00	0.00
U.S.)									
18217.3	7,200,013	18133.0	7,182,713	17837.4	7,154,247	17833.4	7,154,247	0.02	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WNYS-TV D15 DT APP		4.0	0			4.0	0		
WDCQ-TV D15 DT LIC		4.0	0	0.0	0	0.0	0		
WBNF-CD D15 DC LIC		759.8	203,176	608.4	61,130	608.4	61,130	(in U.S.)	
WBNF-CD D15 DC LIC		255.8	26,772	143.9	9,228	143.9	9,228		
WEWS-TV D15 DT LIC		39.8	1,694	31.8	1,694	31.8	1,694		
WNYO-TV D16 DT LIC		151.5	142,046	0.0	0	0.0	0	(in U.S.)	
WNYO-TV D16 DT LIC		111.9	17,544	0.0	0	0.0	0		
CITY-DT-2 D16 DT LIC		8.0	0	0.0	0	0.0	0		

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Interference to BLANKCANADA206 LIC scenario 1

Desired:	Call CITS-DT-1	Chan D15	Svc DT	Status LIC	City, State OTTAWA, ON	File Number BLANKCANADA206	Distance		
Undesireds:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798	264.6 km		
	CIII-DT-6	D14	DT	LIC	OTTAWA, ON	BLANKCANADA198	38.9		
	CKMI-DT-1	D15	DT	LIC	MONTREAL, QC	BLANKCANADA274	157.3		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
866.1	36,983	866.1	36,983	866.1	36,983	866.1	36,983	0.00	0.00 (in
U.S.)									
10560.6	1,378,448	10401.3	1,376,995	10073.6	1,371,275	10069.7	1,371,275	0.04	0.00
Undesired				Total IX	Unique IX, before		Unique IX, after		
WNYS-TV D15 DT APP				4.0	0	4.0		0	
CIII-DT-6 D14 DT LIC				295.5	5,202	291.5		5,202	
CKMI-DT-1 D15 DT LIC				36.2	518	32.2		518	

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Interference to proposal scenario 1  
2.52% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WNYS-TV	D15	DT	APP	Syracuse, NY	WNYS-TV 15 AP 450K 798			
Undesireds:	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	222.6 km		
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	269.2		
	WFNY-CD	D16	DC	LIC	GLOVERSVILLE, NY	BLANK0000068459	150.7		
	WNYS-CD	D16	DC	LIC	ITHACA, NY	BLANK0000001083	55.7		
	CHCH-DT	D15	DT	LIC	HAMILTON, ON	BLANKCANADA173	292.6		
	CITS-DT-1	D15	DT	LIC	OTTAWA, ON	BLANKCANADA206	264.6		
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	157.0		
Service area		Terrain-limited		IX-free		Percent IX			
33416.1	1,916,079	31257.7	1,684,925	30893.6	1,642,526	1.16	2.52		
76.1	0	76.1	0	76.1	0	0.00	0.00		
(in Canada)									
Undesired				Total IX	Unique IX	Prcnt Unique IX			
WBNF-CD	D15	DC	LIC	28.0	932	4.0	65	0.01	0.00
WPSU-TV	D15	DD	LIC	260.0	12,704	244.0	11,571	0.78	0.69
WFNY-CD	D16	DC	LIC	8.0	146	8.0	146	0.03	0.01
WNYS-CD	D16	DC	LIC	16.1	28,689	16.1	28,689	0.05	1.70
CHCH-DT	D15	DT	LIC	39.9	1,638	12.0	306	0.04	0.02
CITS-DT-1	D15	DT	LIC	48.0	285	48.0	285	0.15	0.02
CJOH-TV-6	D16	DT	LIC	4.0	5	4.0	5	0.01	0.00