

INTERFERENCE ANALYSIS FOR PROPOSED WNYT-LD, TROY, NY, CHANNEL 27, DISPLACEMENT FACILITY

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: wnyt27p4, Model: Longley-Rice

Study build station data: LMS TV 2018-04-30 #182

Proposal: WNYT27P4 D27 LD APP ALBANY, NY
File number: wnyt27p4
Facility ID: 73363
Station data: User record
Record ID: 2713
Country: U.S.

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	100.5 km
No	WYCU-LD	D26	LD	LIC	CHARLESTOWN, ETC., NH	BLDTL20121214ABJ	127.5
No	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	228.4
No	W26DC-D	D26	LD	LIC	ROSLYN, NY	BLDTT20140310ADR	220.8
No	WPBS-DT	D26	DT	CP	WATERTOWN, NY	BLANK0000034513	207.7
No	W39EB-D	D26	LD	APP	WHITE LAKE, NY	BLANK0000052128	157.3
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	180.3
No	WUNI	D27	DT	APP	MARLBOROUGH, MA	BLANK0000035720	204.5
No	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	459.6
No	W27BL	N27+	TX	LIC	BERLIN, NH	BLTTL19950530IQ	271.6
No	W43CH-D	D27+	LD	APP	BELVIDERE, NJ	BLANK0000041584	253.6
No	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000033831	333.5
Yes	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	206.3
No	WIXT-CD	D27	DC	CP	DEWITT, NY	BLANK0000034942	202.3
Yes	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	232.6
No	W41DO-D	D27	LD	APP	NEW YORK, NY	BLANK0000048498	226.7
No	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	415.3
No	W28AJ	N28z	TX	LIC	ALLINGTON, CT	BLTTL20010608AAO	174.8
No	WHPX-TV	D28	DT	CP	NEW LONDON, CT	BLANK0000034398	192.4
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	50.0
No	WEPT-CD	D28	DC	CP	NEWBURGH, NY	BLANK0000034537	122.4
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	132.0
No	WWDG-CD	D28	DC	APP	UTICA, NY	BLANK0000035669	132.3
No	WVTB	D28	DT	CP	ST. JOHNSBURY, VT	BLANK0000029682	242.5
No	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDTL20120507ABK	120.1
No	WCRN-LD	N34+	TX	LIC	PROVIDENCE, RI	BLTTL19960130JB	151.5

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: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattnr: 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
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

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Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 342 m

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%

Interference to BLANK0000024834 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	
Undesireds:	WNYT27P4	D27	LD	APP	ALBANY, NY	wnyt27p4	100.5 km
	WMHT	D25	DT	CP	SCHENECTADY, NY	BLANK0000028390	119.6
	WJAR	D25	DT	CP	PROVIDENCE, RI	BLANK0000034380	119.9
	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	199.9
	WPBS-DT	D26	DT	CP	WATERTOWN, NY	BLANK0000034513	308.2
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	96.3

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22120.7	3,446,503	19575.5	3,066,770	18221.9	2,792,438	18219.9 2,792,438	0.01 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
WNYT27P4 D27 LD APP	10.0		40			2.0 0	
WMHT D25 DT CP	69.2		1,426	41.2 904		40.2 869	
WJAR D25 DT CP	303.8		88,719	126.8 22,244		126.8 22,244	
WFUT-DT D26 DT CP	714.3		100,449	639.1 85,224		639.1 85,224	
WPBS-DT D26 DT CP	55.2		1,291	29.1 666		28.1 666	
WUNI D27 DT LIC	471.4		159,669	277.2 90,414		277.2 90,414	

Interference to BLANK0000028447 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	
Undesireds:	WNYT27P4	D27	LD	APP	ALBANY, NY	wnyt27p4	206.3 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	368.0
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	308.8
	WIXT-CD	D27	DC	CP	DEWITT, NY	BLANK0000034942	105.9
	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	219.9
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	340.2
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	135.7

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18996.2	863,502	17059.5	619,166	16944.9	616,993	16941.9 616,993	0.02 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
WNYT27P4 D27 LD APP	4.0		2			3.0 0	
WMAR-TV D27 DT CP	49.2		1,023	35.2 855		35.2 855	
WIXT-CD D27 DC CP	15.1		275	15.1 275		15.1 275	
WNYW D27 DT CP	64.3		1,043	49.2 874		49.2 874	

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WQLN D27 DT CP 1.0 1 0.0 0 0.0 0

Interference to BLANK0000034611 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	
Undesireds:	WNYT27P4	D27	LD	APP	ALBANY, NY	wnyt27p4	232.6 km
	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	4.6
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	280.1
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	271.8
	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000033831	127.9
	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	219.9
	WHPX-TV	D28	DT	CP	NEW LONDON, CT	BLANK0000034398	171.1
	WEPT-CD	D28	DC	CP	NEWBURGH, NY	BLANK0000034537	111.8
	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000034346	127.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26352.9 20,039,016	24706.5 19,758,333	23371.9 19,442,984	23358.8 19,441,408	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WNYT27P4 D27 LD APP	66.5 9,450	13.1 1,576	
WFUT-DT D26 DT CP	176.0 58,495	160.9 56,852	
WUNI D27 DT LIC	24.2 6,002	7.1 1,919	
WMAR-TV D27 DT CP	391.3 41,346	157.1 18,598	
WPSJ-CD D27 DC CP	636.2 184,091	166.5 102,080	
WIVT D27 DT CP	151.6 19,982	45.2 8,240	
WHPX-TV D28 DT CP	1.0 170	1.0 170	
WEPT-CD D28 DC CP	165.1 29,252	99.6 19,388	
WCAU D28 DT CP	554.6 89,743	70.9 8,273	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYT27P4	D27	LD	APP	ALBANY, NY	wnyt27p4	
Undesireds:	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	180.3 km
	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	206.3
	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	232.6
	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	50.0
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	132.0

Service area	Terrain-limited	IX-free	Percent IX
10958.4 1,145,483	9189.3 1,028,783	9161.1 1,028,642	0.31 0.01

Undesired	Total IX	Unique IX	Prcnt Unique IX
WUNI D27 DT LIC	7.1 7 5.0	7 0.05 0.00	
WIVT D27 DT CP	10.1 7 8.0	7 0.09 0.00	
WNYW D27 DT CP	1.0 0 1.0	0 0.01 0.00	
W28DA-D D28 LD LIC	12.1 127 12.1	127 0.13 0.01	

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYT27P4	D27	LD	APP	ALBANY, NY	wnyt27p4	
Undesireds:	WUNI	D27	DT	APP	MARLBOROUGH, MA	BLANK0000035720	204.5 km
	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	206.3
	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	232.6
	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	50.0
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	132.0

Service area	Terrain-limited	IX-free	Percent IX
10958.4 1,145,483	9189.3 1,028,783	9146.0 1,028,005	0.47 0.08

Undesired	Total IX	Unique IX	Prcnt Unique IX
WUNI D27 DT APP	23.2 644 20.1	644 0.22 0.06	
WIVT D27 DT CP	10.1 7 7.0	7 0.08 0.00	

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WNYW D27 DT CP	1.0	0	1.0	0	0.01	0.00
W28DA-D D28 LD LIC	12.1	127	12.1	127	0.13	0.01
