

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

tvstudy v2.2.5 (4uoc83)
Database: 192.168.0.58, Study: WYJH_Ch27_2kW_Alive, Model: Longley-Rice
Start: 2022.01.24 10:07:29

Study created: 2022.01.24 10:07:29

Study build station data: LMS TV 2022-01-24

Proposal: WYJH-LD D27 LD APP WHITE LAKE, NY
File number: WYJH_Ch27_2kW_Alive
Facility ID: 31642
Station data: User record
Record ID: 879
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W25FA-D	N24	TX	LIC	New york, NY	BLTTTL20121024AAA	72.4 km
No	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	122.0
No	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000164899	214.8
No	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000177210	106.1
No	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	103.1
No	WYXN-LD	D26	LD	LIC	NEW YORK, NY	BLDRTL20091123AAX	106.1
No	DW26CE	N26-	TX	APP	NEW YORK, NY	BLTTTL20080306ABU	135.4
No	WNYJ-LD	N26-	TX	LIC	New York, NY	BLTTTL20070223AHI	72.4
No	W26DC-D	D26	LD	LIC	ROSLYN, NY	BLDTT20140310ADR	102.7
No	WNEP-TV	D26	LD	LIC	SCRANTON, PA	BLANK0000119038	124.0
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	215.3
No	WMAR-TV	D27	DT	LIC	BALTIMORE, MD	BLANK0000136334	349.1
No	W27DO-D	D27	LD	CP	SALISBURY, MD	BNPDTL20100817AAQ	392.9
No	WWAX-LD	D27	LD	LIC	WESTMORELAND, NH	BLANK0000152179	126.8
No	W27EC-D	D27+	LD	LIC	BELVIDERE, NJ	BLANK0000058689	140.1
Yes	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1
No	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	170.9
Yes	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1
No	WMJQ-CD	D27	DC	LIC	SYRACUSE, NY	BLANK0000121173	237.3
No	WOLF-TV	D27	LD	LIC	HAZLETON, PA	BLANK0000155439	124.0
No	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	214.8
No	WRZH-LD	N27+	TX	LIC	RED LION-HARRISBURG, PA	BLTTTL19870929IH	309.1
No	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	348.3
No	W08EE-D	D27	LD	CP	MARTINSBURG, WV	BLANK0000054634	428.3
No	W28AJ	N28z	TX	LIC	ALLINTOWN, CT	BLTTTL20010608AAO	92.5
No	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	91.5
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	97.4
No	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	178.8
No	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	170.9
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000164080	40.3
No	WNYJ-LD	D28-	LD	APP	New York, NY	BLANK0000168079	5.4
No	W25FA-D	D28	LD	CP	New york, NY	BLANK0000127436	82.4
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	5.4
No	WEPT-CD	D28	DC	APP	NEWBURGH, NY	BLANK0000164913	40.3
No	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	190.0
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	189.8
No	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	214.5
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	124.0
No	WHTV-LD	N34+	TX	LIC	New York, NY	BLTTTL20070223AHK	72.4

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WEOK 1390 L DA2 D POUGHKEEPSIE, NY BL8268

Record parameters as studied:

Channel: D27
Mask: Full Service
Latitude: 41 42 7.60 N (NAD83)
Longitude: 73 56 4.00 W
Height AMSL: 53.7 m
HAAT: 0.0 m
Peak ERP: 2.00 kW
Antenna: Alive GapFiller 0.0 deg
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.79 kW	16.3 m	20.5 km
45.0	0.147	-44.2	11.0
90.0	0.071	-55.7	9.2
135.0	1.09	-24.1	18.2
180.0	1.36	6.6	19.3
225.0	0.082	-127.0	9.5
270.0	0.086	-94.3	9.6
315.0	0.643	-54.1	15.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -47 m

Distance to Canadian border: 317.3 km

Distance to Mexican border: 2734.0 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 297.3 degrees Distance: 305.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.7 degrees Distance: 2618.9 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 BLANK0000155446 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	
Undesireds:	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	123.1 km
	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	35.8
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	180.3
	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	206.3
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	232.6
	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLD TT20090604ABU	50.0
	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	58.5
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	122.4
	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	132.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
10958.4	1,145,483	9519.0	1,033,096	9392.2	1,028,770	9391.2	1,028,770	0.01	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WYJH-LD	D27 LD APP	1.0	0			1.0	0		
WYBN-LD	D26 LD LIC	62.6	765	57.5	730	57.5	730		
WUNI	D27 DT LIC	5.0	61	5.0	61	5.0	61		
WIVT	D27 DT LIC	13.1	286	9.0	279	9.0	279		
WNYW	D27 DT LIC	1.0	38	1.0	38	1.0	38		
W28DA-D	D28 LD LIC	7.1	19	7.1	19	7.1	19		

WNYT D28 LD LIC 43.0 3,192 42.0 3,164 42.0 3,164

Interference to BLANK0000079881 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	
Undesireds:	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	110.1 km
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000177210	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

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26438.4 20,065,032	25047.3 19,770,351	24120.5 19,538,455	24117.5 19,538,326	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WYJH-LD D27 LD APP 4.0	129		3.0 129
WFUT-DT D26 DT LIC 31.1	13,936	31.1 13,936	31.1 13,936
WUNI D27 DT LIC 5.0	1,365	1.0 0	1.0 0
WMAR-TV D27 DT LIC 271.2	26,182	103.1 12,724	103.1 12,724
WIVT D27 DT LIC 49.1	6,263	14.0 1,414	14.0 1,414
WPSJ-CD D27 DC LIC 588.2	167,670	101.3 85,185	101.3 85,185
WHPX-TV D28 DT LIC 20.8	9,849	19.8 8,899	19.8 8,899
WEPT-CD D28 DC LIC 62.4	13,231	46.3 10,561	45.3 10,561
WCAU D28 DT LIC 573.9	93,379	74.0 10,801	74.0 10,801

Interference to BLANK0000079881 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	
Undesireds:	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	110.1 km
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	129.5
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000177210	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	APP	NEWBURGH, NY	BLANK0000164913	76.3
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	127.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26438.4 20,065,032	25047.3 19,770,351	24158.8 19,545,191	24154.8 19,545,062	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WYJH-LD D27 LD APP 4.0	129		4.0 129
WFUT-DT D26 DT LIC 31.1	13,936	31.1 13,936	31.1 13,936
WUNI D27 DT LIC 5.0	1,365	2.0 346	2.0 346
WMAR-TV D27 DT LIC 271.2	26,182	108.1 13,054	108.1 13,054
WIVT D27 DT LIC 49.1	6,263	22.1 3,037	22.1 3,037
WPSJ-CD D27 DC LIC 588.2	167,670	101.3 85,185	101.3 85,185
WHPX-TV D28 DT LIC 20.8	9,849	19.8 8,899	19.8 8,899
WEPT-CD D28 DC APP 8.1	3,825	8.1 3,825	8.1 3,825
WCAU D28 DT LIC 573.9	93,379	74.0 10,801	74.0 10,801

Interference to proposal scenario 1
14.38% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	
Undesireds:	WNYJ-LD	N26-	TX	LIC	New York, NY	BLTTL20070223AHI	72.4 km
	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1

WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	5.4
Service area		Terrain-limited		IX-free	Percent IX	
708.5	207,846	652.5	200,718	537.2	171,853	17.67 14.38
Undesired		Total IX		Unique IX	Prcnt Unique IX	
WNYT D27 LD LIC		11.0	2,417	1.0	0	0.15 0.00
WNYW D27 DT LIC		5.0	314	0.0	0	0.00 0.00
WEPT-CD D28 DC LIC		114.3	28,865	103.2	26,448	15.82 13.18

Interference to proposal scenario 2
14.38% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	
Undesireds:	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1 km
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000164080	40.3
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	5.4

Service area		Terrain-limited		IX-free	Percent IX	
708.5	207,846	652.5	200,718	537.2	171,853	17.67 14.38
Undesired		Total IX		Unique IX	Prcnt Unique IX	
WNYT D27 LD LIC		11.0	2,417	1.0	0	0.15 0.00
WNYW D27 DT LIC		5.0	314	0.0	0	0.00 0.00
WEPT-CD D28 DC LIC		114.3	28,865	103.2	26,448	15.82 13.18

Interference to proposal scenario 3
**MX: 15.21% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	
Undesireds:	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1 km
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1
	WNYJ-LD	D28-	LD	APP	New York, NY	BLANK0000168079	5.4
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	5.4

Service area		Terrain-limited		IX-free	Percent IX	
708.5	207,846	652.5	200,718	532.2	170,196	18.43 15.21
Undesired		Total IX		Unique IX	Prcnt Unique IX	
WNYT D27 LD LIC		11.0	2,417	1.0	0	0.15 0.00
WNYW D27 DT LIC		5.0	314	0.0	0	0.00 0.00
WNYJ-LD D28- LD APP		119.3	30,522	5.0	1,657	0.77 0.83
WEPT-CD D28 DC LIC		114.3	28,865	0.0	0	0.00 0.00

Interference to proposal scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	
Undesireds:	WNYJ-LD	N26-	TX	LIC	New York, NY	BLTTL20070223AHI	72.4 km
	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1

Service area		Terrain-limited		IX-free	Percent IX	
708.5	207,846	652.5	200,718	640.4	198,301	1.84 1.20
Undesired		Total IX		Unique IX	Prcnt Unique IX	
WNYT D27 LD LIC		11.0	2,417	7.0	2,103	1.08 1.05
WNYW D27 DT LIC		5.0	314	1.0	0	0.15 0.00

Interference to proposal scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	

Undesireds:	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1 km
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000164080	40.3

Service area	Terrain-limited	IX-free	Percent IX
708.5 207,846	652.5 200,718	640.4 198,301	1.84 1.20

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNYT D27 LD LIC	11.0 2,417	7.0 2,103	1.08 1.05
WNYW D27 DT LIC	5.0 314	1.0 0	0.15 0.00

Interference to proposal scenario 6

**MX: 15.21% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYJH-LD	D27	LD	APP	WHITE LAKE, NY	WYJH_Ch27_2kW_2Pnl_Jef	

Undesireds:	WNYT	D27	LD	LIC	ALBANY, NY	BLANK0000155446	123.1 km
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	110.1
	WNYJ-LD	D28-	LD	APP	New York, NY	BLANK0000168079	5.4

Service area	Terrain-limited	IX-free	Percent IX
708.5 207,846	652.5 200,718	532.2 170,196	18.43 15.21

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNYT D27 LD LIC	11.0 2,417	1.0 0	0.15 0.00
WNYW D27 DT LIC	5.0 314	0.0 0	0.00 0.00
WNYJ-LD D28- LD APP	119.3 30,522	108.3 28,105	16.59 14.00