

**Note:**  
**Study cell size: 1.0 km**  
**Profile point spacing: 0.10 km**

tvstudy v2.2.5 (4uoc83)  
Database: 192.168.0.58, Study: WZPJ\_Ch23\_Omni\_S3\_H2, Model: Longley-Rice  
Start: 2020.10.26 14:20:52

Study created: 2020.10.26 14:20:52

Study build station data: LMS TV 2020-10-26

Proposal: WZPJ-LD D23 LD APP BENNINGTON, VT  
File number: WZPJ\_Ch23\_Omni\_S3\_H2  
Facility ID: 46730  
Station data: User record  
Record ID: 576  
Country: U.S.

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

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
No	WUTH-CD	D22	DC	LIC	HARTFORD, CT	BLANK0000080135	162.6 km
No	WBPX-TV	D22	DT	LIC	BOSTON, MA	BLANK0000075858	207.4
No	WVMA-CD	D22	DC	LIC	WINCHENDON, MA	BLANK0000095385	140.2
No	WDVB-CD	D22	DC	LIC	EDISON, NJ	BLANK0000080314	209.9
No	WCBS-TV	D22	LD	LIC	NEW YORK, NY	BLANK0000092488	213.3
No	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	1.5
No	WBLZ-LD	D22	LD	LIC	SYRACUSE, NY	BLANK0000108479	182.6
No	W22DO-D	D22	LD	LIC	UTICA, NY	BLDTT20111024AES	111.2
No	WOLF-TV	D22	DT	LIC	HAZLETON, PA	BLANK0000086376	223.6
Yes	WDMR-LD	D23	LD	LIC	SPRINGFIELD, MA	BLANK0000075390	123.0
No	WDVM-TV	D23	DT	LIC	HAGERSTOWN, MD	BLANK0000080408	468.3
No	WMJF-CD	D23	DC	LIC	TOWSON, MD	BLANK0000116949	420.5
Yes	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	226.6
No	WLED-TV	D23	DT	LIC	LITTLETON, NH	BLANK0000122384	264.0
No	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	330.9
No	W23EX-D	D23z	LD	LIC	SUSSEX, NJ	BLANK0000080129	171.8
No	WBXZ-LD	D23	LD	LIC	BUFFALO, NY	BLANK0000116112	398.8
No	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000115775	243.0
No	WXNY-LD	D23	LD	CP	NEW YORK, NY	BLANK0000053900	210.1
No	WNPI-DT	D23	DT	LIC	NORWOOD, NY	BLEDT20050715ABZ	217.4
Yes	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	102.1
Yes	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	212.7
No	WHSU-CD	D23	DC	LIC	SYRACUSE, NY	BLANK0000116309	182.6
Yes	W23EU-D	D23	LD	LIC	RUTLAND, VT	BLANK0000116207	131.1
No	WLNE-TV	D24	DT	LIC	NEW BEDFORD, MA	BLANK0000117589	239.2
No	WHTX-LD	D24	LD	LIC	SPRINGFIELD, MA	BLANK0000082009	123.0
No	W25FA-D	N24	TX	LIC	West Orange, NJ	BLTTL20121024AAA	152.2
No	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	1.5
No	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	209.0
No	WNYE-TV	D24	DT	CP	NEW YORK, NY	BLANK0000035705	209.0
No	WRGB	D24	LD	LIC	SCHENECTADY, NY	BLCDT20110523AEL	75.3
No	WONO-CD	D24	DC	LIC	SYRACUSE, NY	BLANK0000116745	182.6
No	WVNC-LD	D24	LD	LIC	WATERTOWN, NY	BLANK0000095818	207.8
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTL19980120JE	93.8
No	CKWS-DT-1	D23	DT	LIC	BRIGHTON, ON	BLANKCANADA165	344.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23

Mask: Full Service  
Latitude: 42 38 13.00 N (NAD83)  
Longitude: 74 0 3.00 W  
Height AMSL: 518.3 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	415.9 m	63.0 km
45.0	15.0	425.4	63.5
90.0	15.0	437.9	64.2
135.0	15.0	389.2	61.6
180.0	15.0	172.9	49.8
225.0	15.0	52.5	36.9
270.0	15.0	160.5	49.0
315.0	15.0	173.0	49.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 278 m

Proposal 24.66 dBu contour does not cross Canadian border

Distance to Canadian border: 246.5 km

Distance to Mexican border: 2786.6 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 277.7 degrees    Distance: 268.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.6 degrees    Distance: 2603.2 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 BLANK0000075390 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDMR-LD	D23	LD	LIC	SPRINGFIELD, MA	BLANK0000075390	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	123.0 km
	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	166.5
	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	114.4
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	134.5
	WHTX-LD	D24	LD	LIC	SPRINGFIELD, MA	BLANK0000082009	0.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	3714.8	789,164	3292.7	746,444	3134.7	728,928	3133.7    728,742    0.03    0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
WZPJ-LD D23 LD APP	7.0	635	1.0    186
WPXG-TV D23 DT LIC	4.0	121	1.0    0
W23ER-D D23z LD LIC	5.0	332	1.0    204
WFTY-DT D23 DT LIC	147.1	16,069	141.1    15,820    136.1    15,371
WHTX-LD D24 LD LIC	9.0	1,243	9.0    1,243    9.0    1,243

-----  
Interference to BLANK0000078658 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	226.6 km
	WBPX-TV	D22	DT	LIC	BOSTON, MA	BLANK0000075858	90.1

WVMA-CD	D22	DC	LIC	WINCHENDON, MA	BLANK0000095385	86.7
WLED-TV	D23	DT	LIC	LITTLETON, NH	BLANK0000122384	134.2
WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	288.5
WIPL	D24	DT	LIC	LEWISTON, ME	BLANK0000075152	86.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19841.7	2,596,949	18343.6	2,528,335	17982.2	2,453,643	17981.2	2,453,628	0.01	0.00

Undesired				Total IX	Unique IX, before		Unique IX, after	
WZPJ-LD	D23	LD	APP	2.0	25		1.0	15
WBPX-TV	D22	DT	LIC	206.4	68,455	194.3	65,696	194.3
WVMA-CD	D22	DC	LIC	32.1	443	16.0	326	16.0
WLED-TV	D23	DT	LIC	6.0	177	3.0	72	3.0
WFTY-DT	D23	DT	LIC	75.5	5,534	45.3	2,578	45.3
WIPL	D24	DT	LIC	72.6	3,064	72.6	3,064	72.6

-----  
Interference to BLANK0000068283 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	102.1 km
	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	100.8
	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	232.5
	W23EX-D	D23z	LD	LIC	SUSSEX, NJ	BLANK0000080129	78.3
	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000115775	241.7
	WXNY-LD	D23	LD	CP	NEW YORK, NY	BLANK0000053900	108.1
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	126.8
	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	100.8
	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	107.0
	WRGB	D24	LD	LIC	SCHENECTADY, NY	BLCDT20110523AEL	26.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
9003.1	1,109,816	7707.6	889,200	7404.4	840,325	7331.5	838,023	0.98	0.27

Undesired				Total IX	Unique IX, before		Unique IX, after	
WZPJ-LD	D23	LD	APP	120.9	7,654		72.8	2,302
WCWN	D22	DT	LIC	22.9	656	0.0	0	0
WNJS	D23	DT	CP	17.0	2,837	5.0	664	3.0
W23EX-D	D23z	LD	LIC	29.1	5,812	19.1	5,020	18.1
WETM-TV	D23	DT	CP	9.0	1,092	5.0	796	5.0
WXNY-LD	D23	LD	CP	19.1	2,367	1.0	0	1.0
WFTY-DT	D23	DT	LIC	168.4	17,844	139.3	13,283	123.2
WTEN	D24	DT	LIC	27.9	761	3.0	61	1.0
WNYE-TV	D24	DT	LIC	4.0	222	0.0	0	0
WRGB	D24	LD	LIC	89.8	25,921	73.8	23,484	63.9

-----  
Interference to BLANK0000068283 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	102.1 km
	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	100.8
	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	232.5
	W23EX-D	D23z	LD	LIC	SUSSEX, NJ	BLANK0000080129	78.3
	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000115775	241.7
	WXNY-LD	D23	LD	CP	NEW YORK, NY	BLANK0000053900	108.1
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	126.8
	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	100.8
	WNYE-TV	D24	DT	CP	NEW YORK, NY	BLANK0000035705	107.0
	WRGB	D24	LD	LIC	SCHENECTADY, NY	BLCDT20110523AEL	26.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
9003.1	1,109,816	7707.6	889,200	7404.4	840,325	7331.5	838,023	0.98	0.27

Undesired				Total IX	Unique IX, before		Unique IX, after	
WZPJ-LD	D23	LD	APP	120.9	7,654		72.8	2,302
WCWN	D22	DT	LIC	22.9	656	0.0	0	0
WNJS	D23	DT	CP	17.0	2,837	5.0	664	3.0
W23EX-D	D23z	LD	LIC	29.1	5,812	19.1	5,020	18.1
WETM-TV	D23	DT	CP	9.0	1,092	5.0	796	5.0

WXNY-LD D23 LD CP	19.1	2,367	1.0	0	1.0	0
WFTY-DT D23 DT LIC	168.4	17,844	139.3	13,283	123.2	10,693
WTEN D24 DT LIC	27.9	761	3.0	61	1.0	56
WNYE-TV D24 DT CP	4.0	222	0.0	0	0.0	0
WRGB D24 LD LIC	89.8	25,921	73.8	23,484	63.9	23,333

-----  
Interference to BLCDT20120427ABO LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	212.7 km
	WDVB-CD	D22	DC	LIC	EDISON, NJ	BLANK0000080314	88.3
	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	288.5
	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	205.8
	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	88.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19833.7 5,684,538		19631.7 5,599,488		19330.3 5,002,461		19324.2 5,000,826	0.03 0.03
Undesired		Total IX		Unique IX, before		Unique IX, after	
WZPJ-LD D23 LD APP		7.1 1,720				6.0 1,635	
WDVB-CD D22 DC LIC		22.8 35,593		0.0 0		0.0 0	
WPXG-TV D23 DT LIC		6.0 5,024		3.0 581		3.0 581	
WNJS D23 DT CP		98.8 134,319		30.2 26,386		30.2 26,386	
WNYE-TV D24 DT LIC		265.3 565,617		198.7 461,712		198.7 461,712	

-----  
Interference to BLCDT20120427ABO LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	212.7 km
	WDVB-CD	D22	DC	LIC	EDISON, NJ	BLANK0000080314	88.3
	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	288.5
	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	205.8
	WNYE-TV	D24	DT	CP	NEW YORK, NY	BLANK0000035705	88.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19833.7 5,684,538		19631.7 5,599,488		19308.4 4,982,280		19302.4 4,980,645	0.03 0.03
Undesired		Total IX		Unique IX, before		Unique IX, after	
WZPJ-LD D23 LD APP		7.1 1,720				6.0 1,635	
WDVB-CD D22 DC LIC		22.8 35,593		0.0 0		0.0 0	
WPXG-TV D23 DT LIC		6.0 5,024		3.0 581		3.0 581	
WNJS D23 DT CP		98.8 134,319		30.2 26,386		30.2 26,386	
WNYE-TV D24 DT CP		287.1 585,798		220.6 481,893		220.6 481,893	

-----  
Interference to BLANK0000116207 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W23EU-D	D23	LD	LIC	RUTLAND, VT	BLANK0000116207	
Undesireds:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	131.1 km
	WLED-TV	D23	DT	LIC	LITTLETON, NH	BLANK0000122384	134.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2526.3 65,926		2020.7 54,866		2018.7 54,866		2002.5 54,790	0.80 0.14
Undesired		Total IX		Unique IX, before		Unique IX, after	
WZPJ-LD D23 LD APP		17.2 76				16.2 76	
WLED-TV D23 DT LIC		2.0 0		2.0 0		1.0 0	

-----  
Interference to proposal scenario 1  
7.22% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_Omni_S3_H2	
Undesireds:	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	1.5 km

WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	226.6
WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000115775	243.0
W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	102.1
WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	212.7
WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	1.5
WRGB	D24	LD	LIC	SCHENECTADY, NY	BLCDT20110523AEL	75.3

Service area	Terrain-limited	IX-free	Percent IX
9504.4 1,000,986	8598.6 942,412	7510.1 874,385	12.66 7.22

Undesired		Total IX		Unique IX	Prcnt Unique IX
WCWN D22 DT LIC	928.8	58,149	0.0	0	0.00 0.00
WPXG-TV D23 DT LIC	1.0	8	0.0	0	0.00 0.00
WETM-TV D23 DT CP	7.1	161	4.0	81	0.05 0.01
W23ER-D D23z LD LIC	113.5	7,045	32.1	2,669	0.37 0.28
WFTY-DT D23 DT LIC	67.4	5,704	14.1	1,684	0.16 0.18
WTEN D24 DT LIC	1036.2	63,506	96.4	3,320	1.12 0.35
WRGB D24 LD LIC	3.0	1,072	0.0	0	0.00 0.00