

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_8kW_Pnl300_S5_H3, Model: Longley-Rice
Start: 2020.09.24 13:20:07

Study created: 2020.09.24 13:20:07

Study build station data: LMS TV 2020-09-23

Proposal: WZPJ-LD D23 LD APP BENNINGTON, VT
File number: WZPJ_Ch23_8kW_Pnl300_S5_H3
Facility ID: 46730
Station data: User record
Record ID: 531
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	WUTH-CD	D22	DC	LIC	HARTFORD, CT	BLANK0000080135	145.2 km
No	WBPX-TV	D22	DT	LIC	BOSTON, MA	BLANK0000075858	181.6
No	WVMA-CD	D22	DC	LIC	WINCHENDON, MA	BLANK0000095385	114.4
No	WDVB-CD	D22	DC	LIC	EDISON, NJ	BLANK0000080314	214.5
No	WCBS-TV	D22	LD	LIC	NEW YORK, NY	BLANK0000092488	206.3
No	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	27.5
No	WBLZ-LD	D22	LD	LIC	SYRACUSE, NY	BLANK0000108479	207.4
No	W22DO-D	D22	LD	LIC	UTICA, NY	BLD TT20111024AES	133.2
No	WOLF-TV	D22	DT	LIC	HAZLETON, PA	BLANK0000086376	244.9
No	WDMR-LD	D23	LD	LIC	SPRINGFIELD, MA	BLANK0000075390	102.7
No	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	200.5
No	WLED-TV	D23	DT	CP	LITTLETON, NH	BLANK0000080312	244.3
No	WLED-TV	D23	DT	LIC	LITTLETON, NH	BLANK0000087374	244.3
No	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	340.6
No	W23EX-D	D23z	LD	LIC	SUSSEX, NJ	BLANK0000080129	183.4
No	WBXZ-LD	D23	LD	LIC	BUFFALO, NY	BLANK0000116112	424.8
No	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000115775	269.4
No	WXNY-LD	D23	LD	CP	NEW YORK, NY	BLANK0000053900	214.2
No	WNPI-DT	D23	DT	LIC	NORWOOD, NY	BLEDT20050715ABZ	224.2
No	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	108.3
No	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	206.2
No	WHSU-CD	D23	DC	LIC	SYRACUSE, NY	BLANK0000116309	207.4
No	W23EU-D	D23	LD	LIC	RUTLAND, VT	BLANK0000116207	114.2
No	WLNE-TV	D24	DT	LIC	NEW BEDFORD, MA	BLANK0000117589	215.8
No	WHTX-LD	D24	LD	LIC	SPRINGFIELD, MA	BLANK0000082009	102.7
No	W25FA-D	N24	TX	LIC	West Orange, NJ	BLTTL20121024AAA	166.5
No	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	27.5
No	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	213.6
No	WNYE-TV	D24	DT	CP	NEW YORK, NY	BLANK0000035705	213.6
No	WRGB	D24	LD	LIC	SCHENECTADY, NY	BLCDT20110523AEL	83.3
No	WONO-CD	D24	DC	LIC	SYRACUSE, NY	BLANK0000116745	207.4
No	WVNC-LD	D24	LD	LIC	WATERTOWN, NY	BLANK0000095818	225.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23
Mask: Full Service
Latitude: 42 39 50.50 N (NAD83)
Longitude: 73 40 40.20 W
Height AMSL: 188.9 m

HAAT: 0.0 m
Peak ERP: 8.00 kW
Antenna: Alive SinglePanel 300.0 deg
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.855 kW	145.7 m	33.3 km
45.0	0.016	32.8	6.7
90.0	0.007	-73.5	5.4
135.0	0.003	-5.9	4.3
180.0	0.008	72.7	8.5
225.0	0.186	142.9	25.4
270.0	4.73	135.6	41.5
315.0	7.05	115.5	42.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 71 m

Proposal 24.66 dBu contour does not cross Canadian border
Distance to Canadian border: 260.0 km

Distance to Mexican border: 2810.2 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 276.6 degrees Distance: 294.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.7 degrees Distance: 2629.3 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 proposal scenario 1
10.25% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WZPJ-LD	D23	LD	APP	BENNINGTON, VT	WZPJ_Ch23_8kW_Pnl300_S	
Undesireds:	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	27.5 km
	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	200.5
	WLED-TV	D23	DT	CP	LITTLETON, NH	BLANK0000080312	244.3
	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	108.3
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	206.2
	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	27.5

	Service area	Terrain-limited	IX-free	Percent IX
	2013.2 643,290	1915.3 638,653	1715.9 573,176	10.41 10.25

Undesired	Total IX	Unique IX	Prcnt Unique IX
WCWN D22 DT LIC 151.0 49,651 0.0 0	0.00	0.00	
WPXG-TV D23 DT LIC 1.0 0 0.0 0	0.00	0.00	
W23ER-D D23z LD LIC 23.2 5,864 5.1 320	0.26	0.05	
WFTY-DT D23 DT LIC 14.1 2,440 3.0 1,382	0.16	0.22	
WTEN D24 DT LIC 191.3 63,775 39.3 14,124	2.05	2.21	