

tvstudy v2.2.2
Database: localhost, Study: WPBS_32.5kW, Model: Longley-Rice
Start: 2017.06.20 09:38:11

Study created: 2017.06.20 09:38:06

Study build station data: LMS TV 2017-06-19 (29)

Proposal: WPBS-DT D26 DT BL WATERTOWN, NY
File number: DTVBL62136
Facility ID: 62136
Station data: User record
Record ID: 901
Country: U.S.
Zone: II

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	195.6 km
WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	96.2
WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	308.2
WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	308.2
WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000025093	374.6
WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	374.6
WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	176.0
WFXP	D26	DT	BL	ERIE, PA	DTVBL19707	407.1
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	322.1
WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	201.0
WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	99.6
CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	182.6
CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	294.8
CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	255.1
CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	151.1
CIIII-DT-27D	27	DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	194.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Latitude: 43 51 46.00 N (NAD83)
Longitude: 75 43 38.00 W
Height AMSL: 755.0 m
HAAT: 369.4 m
Peak ERP: 32.5 kW
Antenna: Omnidirectional

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	32.5 kW	439.8 m	83.4 km
45.0	32.5	450.0	83.8
90.0	32.5	384.9	80.3
135.0	32.5	255.1	70.1
180.0	32.5	259.0	70.3
225.0	32.5	311.7	74.2
270.0	32.5	413.5	82.1
315.0	32.5	441.2	83.4

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

**Proposal is within coordination distance of Canadian border

Distance to Canadian border: 54.5 km

Distance to Mexican border: 2747.4 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 230.2 degrees Distance: 163.0 km

ERP: 32.5 kW Field strength: 33.5 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 270.6 degrees Distance: 2457.4 km

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%

Interference to DTVBL73263 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL73263 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL73263 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL73263 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL617 BL, scenario 1
Proposal causes no interference.

Interference to BLANK0000024834 CP, scenario 1
Proposal causes no interference.

Interference to BLANK0000024834 CP, scenario 2
Proposal causes no interference.

Interference to DTVBL25682 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL25682 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 1
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 2

Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 3

Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 4

Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 2

Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 3

Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 4

Proposal causes no interference.

Interference to DTVBL58739 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	
Undesireds:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	176.0 km
	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	176.0
	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	125.4
	WFXP	D26	DT	BL	ERIE, PA	DTVBL19707	231.8
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	285.5
	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	145.2
	CIII-DT-27D27		DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	104.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2689.5	740,126	2677.5	739,611	2669.6	739,032	2669.6	739,032	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WPBS-DT D26 DT BL	4.0	450	4.0 450
WPBS-DT D26 DT BL	4.0	450	4.0 450
CJMT-DT D26 DT LIC	4.0	129	4.0 129

Interference to DTVBL19707 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL19707 BL, scenario 2

Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 2

Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 9
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 10
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 11

Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 12
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 13
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 14
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 15
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 16
Proposal causes no interference.

Interference to DTVBL14312 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL14312 BL, scenario 2
Proposal causes no interference.

Interference to BLANKCANADA203 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA236 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA277 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	
Undesireds:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	255.1 km
	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	255.1
	CFTF-DT-10D26	DC	LIC		BAIE STPAUL, QC	BLANKCANLP393	310.8
	CFMT-DT-2 D27	DT	LIC		OTTAWA, ON	BLANKCANADA204	161.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
702.0	14,012	702.0	14,012	702.0	14,012	702.0	14,012	0.00	0.00 (in U.S.)
15460.9	4,566,644	15241.1	4,537,502	15233.1	4,537,502	15229.1	4,536,960	0.03	0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WPBS-DT D26 DT BL	8.0	0	8.0
WPBS-DT D26 DT BL	12.0	542	12.0

Interference to BLANKCANADA277 LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	
Undesireds:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	255.1 km
	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	255.1

CFTF-DT-10D26	DC	LIC	BAIE STPAUL, QC	BLANKCANLP393	310.8
CFMT-DT-2 D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	161.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
702.0	14,012	702.0	14,012	702.0	14,012	702.0	14,012	0.00	0.00	(in U.S.)
15460.9	4,566,644	15241.1	4,537,502	15233.1	4,537,502	15229.1	4,536,960	0.03	0.01	

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPBS-DT D26 DT BL	8.0	0	8.0	0			
WPBS-DT D26 DT BL	12.0	542			12.0	542	

Interference to BLANKCANADA204 LIC, scenario 1

Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 1

Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 2

Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 3

Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 4

Proposal causes no interference.

Interference to proposal, scenario 1

1.18% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	
Undesireds:	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	96.2 km
	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	308.2
	WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	176.0
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	322.1
	WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	99.6
	CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	182.6
	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	294.8
	CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	255.1
	CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	151.1

Service area		Terrain-limited		IX-free		Percent IX		
16895.9	254,887	16202.6	239,539	16063.1	236,717	0.86	1.18	
2587.4	165,424	2579.4	165,424	2579.4	165,424	0.00	0.00	(in Canada)

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WTVU-CD D25 DC BL	11.9	542	0.0	0	0.00	0.00	
WIXT-CD D27 DC BL	75.5	2,688	63.5	2,146	0.39	0.90	
CIVM-DT D26 DT LIC	64.1	134	64.1	134	0.40	0.06	

Interference to proposal, scenario 2

1.18% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	
Undesireds:	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	96.2 km

WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	308.2
WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	176.0
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	322.1
WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	99.6
CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	182.6
CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	294.8
CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	255.1
CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	151.1

Service area		Terrain-limited			IX-free	Percent IX	
16895.9	254,887	16202.6	239,539	16063.1	236,717	0.86	1.18
2587.4	165,424	2579.4	165,424	2579.4	165,424	0.00	0.00 (in Canada)

Undesired				Total IX		Unique IX	Prcnt Unique IX
WTVU-CD	D25	DC	BL	11.9	542	0.0	0.00
WIXT-CD	D27	DC	BL	75.5	2,688	63.5	0.39
CIVM-DT	D26	DT	LIC	64.1	134	64.1	0.40

Interference to proposal, scenario 3

1.18% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	
Undesireds:	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	96.2 km
	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	308.2
	WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	176.0
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	322.1
	WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	99.6
	CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	182.6
	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	294.8
	CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	255.1
	CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	151.1

Service area		Terrain-limited			IX-free	Percent IX	
16895.9	254,887	16202.6	239,539	16063.1	236,717	0.86	1.18
2587.4	165,424	2579.4	165,424	2579.4	165,424	0.00	0.00 (in Canada)

Undesired				Total IX		Unique IX	Prcnt Unique IX
WTVU-CD	D25	DC	BL	11.9	542	0.0	0.00
WIXT-CD	D27	DC	BL	75.5	2,688	63.5	0.39
CIVM-DT	D26	DT	LIC	64.1	134	64.1	0.40

Interference to proposal, scenario 4

1.18% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	
Undesireds:	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	96.2 km
	WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	308.2
	WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	176.0
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	322.1
	WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	99.6
	CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	182.6
	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	294.8
	CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	255.1
	CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	151.1

Service area		Terrain-limited			IX-free	Percent IX	
16895.9	254,887	16202.6	239,539	16063.1	236,717	0.86	1.18
2587.4	165,424	2579.4	165,424	2579.4	165,424	0.00	0.00 (in Canada)

Undesired		Total IX		Unique IX	Prct Unique IX	
WTVU-CD D25 DC BL	11.9	542	0.0	0	0.00	0.00
WIXT-CD D27 DC BL	75.5	2,688	63.5	2,146	0.39	0.90
CIVM-DT D26 DT LIC	64.1	134	64.1	134	0.40	0.06