

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W44DU-D 6 Walpole 425w DA, Model: Longley-Rice
Start: 2021.04.27 11:02:02

Study created: 2021.04.27 11:02:02

Study build station data: LMS TV 2021-04-27

Proposal: W44DU-D D6 LD APP WESTMORELAND, NH
File number: W44DU-D 6 Walpole 425w DA
Facility ID: 186686
Station data: User record
Record ID: 43
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
Yes	WGBH-TV	D5	DT	LIC	BOSTON, MA	BLANK0000138509	124.1 km
No	WRGB	D5	LD	LIC	SCHENECTADY, NY	BLANK0000129768	92.7
No	WLLB-LD	D6	LD	CP	PORTLAND, ME	BLANK0000054937	178.0
No	WNDR-LP	N6z	TX	LIC	AUBURN, NY	BLTVL20120312AAI	343.1
No	WXXW-LP	N6-	TX	LIC	BINGHAMTON, NY	BLTVL20060515AAC	307.9
No	WNYZ-LP	N6+	TX	LIC	NEW YORK, NY	BLTVL20080128ACC	285.6
No	WNYZ-LP	D6	LD	CP	NEW YORK, NY	BDFCDVL20150120AIE	285.6
Yes	WRGB	D6	DT	LIC	SCHENECTADY, NY	BMLCDT20110816AAF	141.4
Yes	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	141.4
No	WVOA-LP	N6+	TX	LIC	WESTVALE, NY	BLTVL20090622AAX	308.6
No	WPVI-TV	D6	DT	APP	PHILADELPHIA, PA	BLANK0000035671	409.2
No	WPVI-TV	D6	DT	LIC	PHILADELPHIA, PA	BLCDT20111019ACJ	409.5
No	CJOH-TV-6	D6	DT	LIC	DESERONTO, ON	BLANKCANADA170	398.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6
Mask: Simple
Latitude: 43 2 0.00 N (NAD83)
Longitude: 72 22 2.00 W
Height AMSL: 475.8 m
HAAT: 0.0 m
Peak ERP: 0.425 kW
Antenna: KAT HDCA5 Rotated 110 degrees 0.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	182.5 m	5.2 km
45.0	0.002	89.8	9.2
90.0	0.281	112.6	33.5
135.0	0.225	234.4	42.2
180.0	0.000	166.3	9.6
225.0	0.000	253.2	6.0
270.0	0.008	256.2	22.8
315.0	0.007	277.6	23.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 197 m

Proposal 13.00 dBu contour does not cross Canadian border

Distance to Canadian border: 219.1 km

Distance to Mexican border: 2922.0 km

Conditions at FCC monitoring station: Belfast ME
Bearing: 58.1 degrees Distance: 306.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.6 degrees Distance: 2732.5 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 BLANK0000138509 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGBH-TV	D5	DT	LIC	BOSTON, MA	BLANK0000138509	
Undesireds:	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	124.1 km
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	47500.8 8,940,127	45101.4		8,430,615	45101.4 8,430,615	44908.4 8,424,229	0.43 0.08
Undesired				Total IX	Unique IX, before	Unique IX, after	
W44DU-D D6 LD APP		192.9		6,386		192.9 6,386	

Interference to BMLCDT20110816AAF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRGB	D6	DT	LIC	SCHENECTADY, NY	BMLCDT20110816AAF	
Undesireds:	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	141.4 km
	WPVI-TV	D6	DT	APP	PHILADELPHIA, PA	BLANK0000035671	304.7
	CJOH-TV-6	D6	DT	LIC	DESERONTO, ON	BLANKCANADA170	299.5
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	49159.8 2,880,097	43840.4		2,451,415	42415.2 2,331,209	41856.5 2,322,719	1.32 0.36
Undesired				Total IX	Unique IX, before	Unique IX, after	
W44DU-D D6 LD APP		558.7		8,490		558.7 8,490	
WPVI-TV D6 DT APP		1279.6		90,813	1266.6 90,575	1266.6 90,575	
CJOH-TV-6 D6 DT LIC		158.5		29,631	145.5 29,393	145.5 29,393	

Interference to BMLCDT20110816AAF LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRGB	D6	DT	LIC	SCHENECTADY, NY	BMLCDT20110816AAF	
Undesireds:	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	141.4 km
	WPVI-TV	D6	DT	LIC	PHILADELPHIA, PA	BLCDT20111019ACJ	304.9
	CJOH-TV-6	D6	DT	LIC	DESERONTO, ON	BLANKCANADA170	299.5
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	49159.8 2,880,097	43840.4		2,451,415	42654.8 2,357,956	42096.1 2,349,466	1.31 0.36
Undesired				Total IX	Unique IX, before	Unique IX, after	
W44DU-D D6 LD APP		558.7		8,490		558.7 8,490	
WPVI-TV D6 DT LIC		1038.1		64,121	1027.1 63,828	1027.1 63,828	
CJOH-TV-6 D6 DT LIC		158.5		29,631	147.5 29,338	147.5 29,338	

Interference to BLANK0000035659 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	
Undesireds:	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	141.4 km
	WPVI-TV	D6	DT	APP	PHILADELPHIA, PA	BLANK0000035671	304.7
	CJOH-TV-6	D6	DT	LIC	DESERONTO, ON	BLANKCANADA170	299.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
55949.4	3,593,498	49780.0	3,044,084	47958.6	2,870,329	47232.3 2,856,694	1.51 0.48
Undesired		Total IX		Unique IX, before		Unique IX, after	
W44DU-D D6 LD APP		726.3	13,635			726.3 13,635	
WPVI-TV D6 DT APP		1630.6	146,757	1620.5	146,680	1620.5 146,680	
CJOH-TV-6 D6 DT LIC		200.9	27,075	190.9	26,998	190.9 26,998	

Interference to BLANK0000035659 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	
Undesireds:	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	141.4 km
	WPVI-TV	D6	DT	LIC	PHILADELPHIA, PA	BLCDDT20111019ACJ	304.9
	CJOH-TV-6	D6	DT	LIC	DESERONTO, ON	BLANKCANADA170	299.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
55949.4	3,593,498	49780.0	3,044,084	48219.4	2,904,002	47493.1 2,890,367	1.51 0.47
Undesired		Total IX		Unique IX, before		Unique IX, after	
W44DU-D D6 LD APP		726.3	13,635			726.3 13,635	
WPVI-TV D6 DT LIC		1370.8	113,131	1359.7	113,007	1359.7 113,007	
CJOH-TV-6 D6 DT LIC		200.9	27,075	189.9	26,951	189.9 26,951	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	
Undesireds:	WLLB-LD	D6	LD	CP	PORTLAND, ME	BLANK0000054937	178.0 km
	WNYZ-LP	N6+	TX	LIC	NEW YORK, NY	BLTVL20080128ACC	285.6
	WRGB	D6	DT	LIC	SCHENECTADY, NY	BMLCDDT20110816AAF	141.4
Service area		Terrain-limited		IX-free		Percent IX	
1783.9	75,990	1684.4	69,766	1647.2	68,763	2.21 1.44	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WLLB-LD D6 LD CP		1.0	0	1.0	0	0.06 0.00	
WRGB D6 DT LIC		36.2	1,003	36.2	1,003	2.15 1.44	

Interference to proposal scenario 2

**MX: 2.42% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W44DU-D	D6	LD	APP	WESTMORELAND, NH	W44DU-D 6 Walpole 425w	
Undesireds:	WLLB-LD	D6	LD	CP	PORTLAND, ME	BLANK0000054937	178.0 km
	WNYZ-LP	N6+	TX	LIC	NEW YORK, NY	BLTVL20080128ACC	285.6
	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	141.4
Service area		Terrain-limited		IX-free		Percent IX	
1783.9	75,990	1684.4	69,766	1612.0	68,077	4.30 2.42	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WLLB-LD D6 LD CP		1.0	0	1.0	0	0.06 0.00	
WRGB D6 DT APP		71.4	1,689	71.4	1,689	4.24 2.42	