

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W27ER-D to 1007044 DA 1K, Model: Longley-Rice
Start: 2021.06.23 13:33:41

Study created: 2021.06.23 13:33:41

Study build station data: LMS TV 2021-06-23

Proposal: W27ER-D D27 LD APP WESTMORELAND, NH
File number: W27ER-D to 1007044 DA 1K
Facility ID: 186687
Station data: User record
Record ID: 126
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	W40BO-D	D26-	LD	CP	BOSTON, MA	BLANK0000123875	100.5 km
No	W40BO-D	D26-	LD	LIC	BOSTON, MA	BLANK0000150613	100.5
Yes	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	45.5
No	WYCU-LD	D26	LD	LIC	CHARLESTOWN, ETC., NH	BLDRTL20121214ABJ	88.7
No	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	245.1
No	WYBN-LD	D26	LD	LIC	COBLESKILL, NY	BLANK0000123807	133.1
No	W26DC-D	D26	LD	LIC	ROSLYN, NY	BLDTT20140310ADR	226.8
Yes	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	76.8
No	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	228.5
No	W27BL	N27+	TX	LIC	BERLIN, NH	BLTTL19950530IQ	228.5
No	W27EC-D	D27+	LD	LIC	BELVIDERE, NJ	BLANK0000058689	301.5
No	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	298.6
No	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	249.7
No	WMJQ-CD	D27	DC	LIC	SYRACUSE, NY	BLANK0000121173	312.5
No	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	191.8
No	WYJH-LD	D27	LD	CP	WHITE LAKE, NY	BLANK0000149932	157.3
No	WOLF-TV	D27	LD	CP	HAZLETON, PA	BLANK0000054833	273.0
No	WPSJ-CD	D27	DC	LIC	PHILADELPHIA, PA	BLANK0000081029	371.2
No	W16AL	D27+	LD	CP	BURLINGTON, VT	BLANK0000118485	222.9
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTL20010608AAO	153.4
Yes	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	106.4
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	74.9
No	W28FA-D	D28	LD	CP	WESTMORELAND, NH	BLANK0000143444	48.1
No	W28FA-D	D28	LD	LIC	WESTMORELAND, NH	BLANK0000150686	48.1
No	WNYT	D28	LD	CP	ALBANY, NY	BLANK0000149609	136.1
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	222.5
No	WNYJ-LD	D28-	LD	CP	New York, NY	BLANK0000127438	177.2
No	W25FA-D	D28	LD	CP	New york, NY	BLANK0000127436	222.5
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	165.1
No	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	222.5
No	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDRTL20120507ABK	93.9
No	CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	386.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Stringent
Latitude: 42 36 3.00 N (NAD83)
Longitude: 72 22 59.00 W
Height AMSL: 210.2 m
HAAT: 0.0 m

Peak ERP: 1.00 kW
 Antenna: SCALA-4DR-4S at 0 and 200 degs 0.0 deg
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	-62.8 m	17.8 km
45.0	0.360	-73.7	13.6
90.0	0.002	-4.9	4.0
135.0	0.069	10.5	9.1
180.0	0.839	-72.4	17.0
225.0	0.746	-70.3	16.4
270.0	0.031	92.2	12.9
315.0	0.360	27.2	13.6

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: -19 m

Proposal 25.05 dBu contour does not cross Canadian border
 Distance to Canadian border: 267.1 km

Distance to Mexican border: 2895.4 km

Conditions at FCC monitoring station: Belfast ME
 Bearing: 51.3 degrees Distance: 335.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 275.5 degrees Distance: 2735.4 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 BLANK0000083684 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	
Undesireds:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	45.5 km
	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000091434	119.6
	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	119.9
	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	333.9
	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000145018	199.9
	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	308.2
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	96.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22120.7	3,446,503	19575.5	3,066,770	18183.5	2,782,169	18177.5 2,782,058	0.03 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
W27ER-D	D27 LD APP	6.1	111	58.4	1,061	6.1 111	
WMHT	D25 DT LIC	80.3	1,426	122.8	22,169	58.4 1,061	
WJAR	D25 DT LIC	303.8	88,719	699.5	96,283	122.8 22,169	
WFUT-DT	D26 DT LIC	790.8	117,536	2.0	0	699.5 96,283	
WPBS-TV	D26 DT LIC	9.0	75	2.0	0	2.0 0	
WUNI	D27 DT LIC	471.4	159,669	264.1	84,759	264.1 84,759	

 Interference to BLANK0000030092 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	
Undesireds:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	76.8 km

WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	96.3
WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	280.1
WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	133.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
25457.5	7,202,196	24088.9	7,079,377	23914.9	7,067,159	23902.8	7,066,932	0.05 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
W27ER-D D27 LD APP	12.1	227			12.1	227
WGGB-TV D26 DT LIC	95.9	7,569	38.0	4,088	38.0	4,088
WNYW D27 DT LIC	44.0	3,356	17.0	1,266	17.0	1,266
WHPX-TV D28 DT LIC	117.0	6,636	46.0	2,613	46.0	2,613

Interference to BLANK0000080171 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	
Undesireds:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	106.4 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	133.9
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	96.6
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	250.1
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	273.8
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	327.6
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	148.0
	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	89.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
32796.5	5,584,310	29833.8	5,142,681	28123.3	4,739,343	28117.3	4,739,333	0.02 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
W27ER-D D27 LD APP	7.1	10			6.1	10
WUNI D27 DT LIC	187.4	51,363	82.7	19,345	82.7	19,345
WNYW D27 DT LIC	24.3	6,979	1.0	304	1.0	304
WEPT-CD D28 DC LIC	778.4	70,527	592.7	43,557	592.7	43,557
WWDG-CD D28 DC LIC	6.1	35	2.0	35	2.0	35
WCAU D28 DT LIC	268.3	57,213	54.3	9,072	54.3	9,072
WVTB D28 DT LIC	17.2	164	16.2	164	15.2	164
WNEU D29 DT LIC	119.7	35,325	18.9	3,986	18.9	3,986
WLNY-TV D29 DT LIC	691.2	275,639	605.8	244,417	605.8	244,417

Interference to BLANK0000080171 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	
Undesireds:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	106.4 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	133.9
	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	147.9
	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	96.6
	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	250.4
	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	273.8
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	327.6
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	148.0
	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	89.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
32796.5	5,584,310	29833.8	5,142,681	28123.3	4,739,343	28117.3	4,739,333	0.02 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
W27ER-D D27 LD APP	7.1	10			6.1	10
WUNI D27 DT LIC	187.4	51,363	82.7	19,345	82.7	19,345
WNYW D27 DT LIC	24.3	6,979	1.0	304	1.0	304
WEPT-CD D28 DC LIC	778.4	70,527	592.7	43,530	592.7	43,530
WWDG-CD D28 DC CP	6.1	62	2.0	35	2.0	35
WCAU D28 DT LIC	268.3	57,213	54.3	9,072	54.3	9,072
WVTB D28 DT LIC	17.2	164	16.2	164	15.2	164
WNEU D29 DT LIC	119.7	35,325	18.9	3,986	18.9	3,986

WLNY-TV D29 DT LIC 691.2 275,639 605.8 244,417 605.8 244,417

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	
Undesireds:	W40BO-D	D26-	LD	CP	BOSTON, MA	BLANK0000123875	100.5 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	76.8
	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	228.5
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	191.8
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	106.4
	W28FA-D	D28	LD	CP	WESTMORELAND, NH	BLANK0000143444	48.1

Service area	Terrain-limited	IX-free	Percent IX
615.4 16,153	523.4 12,377	521.4 12,357	0.39 0.16

Undesired	Total IX	Unique IX	Prcnt Unique IX
WUNI D27 DT LIC	1.0 20	0.0 0	0.00 0.00
WHPX-TV D28 DT LIC	1.0 20	0.0 0	0.00 0.00
W28FA-D D28 LD CP	1.0 0	1.0 0	0.19 0.00

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27ER-D	D27	LD	APP	WESTMORELAND, NH	W27ER-D to 1007044 DA	
Undesireds:	W40BO-D	D26-	LD	CP	BOSTON, MA	BLANK0000123875	100.5 km
	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	76.8
	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	228.5
	WYJH-LD	D27	LD	LIC	WHITE LAKE, NY	BLANK0000112742	191.8
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	106.4
	W28FA-D	D28	LD	LIC	WESTMORELAND, NH	BLANK0000150686	48.1

Service area	Terrain-limited	IX-free	Percent IX
615.4 16,153	523.4 12,377	521.4 12,357	0.39 0.16

Undesired	Total IX	Unique IX	Prcnt Unique IX
WUNI D27 DT LIC	1.0 20	0.0 0	0.00 0.00
WHPX-TV D28 DT LIC	1.0 20	0.0 0	0.00 0.00
W28FA-D D28 LD LIC	1.0 0	1.0 0	0.19 0.00