

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: W28FA-D 1031648 15K DLP-8B-R340, Model: Longley-Rice  
 Start: 2021.07.15 10:06:48

Study created: 2021.07.15 10:06:47

Study build station data: LMS TV 2021-07-15

Proposal: W28FA-D D28 LD APP WESTMORELAND, NH  
 File number: W28FA-D 1031648 15K DLP-8B-R340  
 Facility ID: 186685  
 Station data: User record  
 Record ID: 179  
 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	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	35.6 km
No	W27ER-D	D27	LD	LIC	WESTMORELAND, NH	BLANK0000152179	127.3
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTL20010608AAO	197.5
Yes	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	163.3
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	181.1
No	W28ED-D	D28	LD	CP	ETNA, ME	BNPDTL20100504AMC	314.9
No	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	243.2
No	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	403.4
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	283.9
No	WNYJ-LD	D28-	LD	CP	New York, NY	BLANK0000127438	247.8
No	W28ES-D	D28z	LD	LIC	New York, NY	BLANK0000052790	317.8
No	W25FA-D	D28	LD	CP	New York, NY	BLANK0000127436	283.9
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	252.5
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	346.9
No	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	347.2
No	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	433.8
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	369.4
Yes	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	254.9
Yes	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDTL20120507ABK	165.6
No	WTXX-LD	D29	LD	CP	New haven, CT	BLANK0000150911	179.2
No	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	15.4
No	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	223.8
No	W28DQ-D	D29	LD	CP	WINDSOR, VT	BLANK0000051758	165.6
No	CKTM-DT	D28	DT	LIC	TROISRIVIERES, QC	BLANKCANADA315	477.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28  
 Mask: Full Service  
 Latitude: 42 21 31.00 N (NAD83)  
 Longitude: 71 3 39.00 W  
 Height AMSL: 190.5 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: DIE DLP-8B 340.0 deg  
 Elev Pattern: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.4 kW	168.5 m	48.7 km
45.0	9.67	188.2	47.9

90.0	6.01	189.6	45.5
135.0	6.73	188.7	46.1
180.0	6.90	159.8	44.4
225.0	5.92	152.8	43.2
270.0	9.08	179.7	47.1
315.0	14.0	154.8	47.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 173 m

Proposal 25.14 dBu contour does not cross Canadian border  
Distance to Canadian border: 297.2 km

Distance to Mexican border: 2975.0 km

Conditions at FCC monitoring station: Belfast ME  
Bearing: 33.9 degrees Distance: 281.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 276.7 degrees Distance: 2846.0 km

Study cell size: 1.00 km  
Profile point spacing: 0.20 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

#### ----- Interference to BLANK0000080171 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	
Undesireds:	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 1031648 15K DL	163.3 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
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	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	32796.5	5,584,310	30328.8	5,207,537	29106.3	4,807,952	28957.2 4,784,304 0.51 0.49
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Undesired				Total IX	Unique IX, before	Unique IX, after	
W28FA-D D28 LD APP		267.8		55,657		149.1	23,648
WUNI D27 DT LIC		132.6		40,461	55.9 18,191	19.9	11,122
WNYW D27 DT LIC		18.2		7,375	1.0 559	1.0	559
WEPT-CD D28 DC LIC		327.0		38,372	244.8 23,923	238.8	20,919
WCAU D28 DT LIC		187.4		46,510	38.2 7,355	38.2	7,355
WVTB D28 DT LIC		10.1		640	9.1 640	8.1	640
WNEU D29 DT LIC		82.7		22,693	8.0 1,141	2.0	643
WLNY-TV D29 DT LIC		726.5		314,458	630.5 283,441	630.5	283,441

#### ----- Interference to BLANK0000080171 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	
Undesireds:	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 1031648 15K DL	163.3 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	30328.8 5,207,537	29106.3 4,807,952	28957.2 4,784,304	0.51 0.49

Undesired	Total IX	Unique IX, before	Unique IX, after
W28FA-D D28 LD APP	267.8 55,657	149.1 23,648	
WUNI D27 DT LIC	132.6 40,461	19.9 11,122	
WNYW D27 DT LIC	18.2 7,375	1.0 559	
WEPT-CD D28 DC LIC	327.0 38,372	237.8 20,919	
WWDG-CD D28 DC CP	2.0 0	0.0 0	
WCAU D28 DT LIC	187.4 46,510	38.2 7,355	
WVTB D28 DT LIC	10.1 640	8.1 640	
WNEU D29 DT LIC	82.7 22,693	2.0 643	
WLNY-TV D29 DT LIC	726.5 314,458	630.5 283,441	

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Interference to BLANK0000098226 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	
Undesireds:	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 1031648 15K DL	254.9 km
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	327.6
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	307.2
	CKTM-DT	D28	DT	LIC	TROISRIVIERES, QC	BLANKCANADA315	222.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25390.2 458,123	19453.2 275,454	19382.4 274,297	19376.3 274,297	0.03 0.00
5175.6 279,857	3634.5 184,484	3397.3 171,342	3397.3 171,342	0.00 0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
W28FA-D D28 LD APP	10.1 162	6.1 0	
WHPX-TV D28 DT LIC	30.3 624	25.3 462	
CKTM-DT D28 DT LIC	41.5 533	40.5 533	
CKTM-DT D28 DT LIC	237.2 13,142	237.2 13,142	(in Canada)

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Interference to BLDLTL20120507ABK LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDTL20120507ABK	
Undesireds:	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 1031648 15K DL	165.6 km
	W27BL	D27+	LD	CP	BERLIN, NH	BLANK0000145086	152.7
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	195.9
	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	105.9
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	301.3
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	222.7
	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	133.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7657.9 204,343	6212.9 158,433	6098.0 156,526	6098.0 156,526	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W28FA-D D28 LD APP	1.0 0	0.0 0	
WHPX-TV D28 DT LIC	13.1 305	10.1 301	
WNYT D28 LD LIC	3.0 0	2.0 0	
WVTB D28 DT LIC	102.7 1,606	97.7 1,602	

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Interference to proposal scenario 1  
16.79% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 1031648 15K DL	

Undesireds:	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	35.6 km
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	163.3
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	283.9
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	346.9
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	15.4

	Service area		Terrain-limited		IX-free		Percent IX
6756.7	3,936,087	6665.3	3,909,588	5179.5	3,253,232	22.29	16.79

Undesired		Total IX		Unique IX	Prcnt Unique IX
WUNI D27 DT LIC	257.4	111,254	32.3	19,421	0.48 0.50
WHPX-TV D28 DT LIC	53.1	12,023	6.0	746	0.09 0.02
WNEU D29 DT LIC	1444.4	635,125	1189.3	537,522	17.84 13.75