tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W28FA-D 100p3C 2p5K 4DR4S, Model: Longley-Rice
Start: 2021.07.02 13:46:16

Study created: 2021.07.02 13:46:16

Study build station data: LMS TV 2021-07-01

    Proposal: W28FA-D D28 LD APP WESTMORELAND, NH
 File number: W28FA-D 100p3C 2p5K 4DR4S
 Facility ID: 186685
Station data: User record
   Record ID: 145
     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	WZPJ-LD	N21+	TX	LIC	ALBANY, NY	BLTTL20061201AAG	171.9 km
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	12.0
No	W27ER-D	D27	LD	LIC	WESTMORELAND, NH	BLANK0000151043	69.6
No	W27ER-D	D27	LD	CP	WESTMORELAND, NH	BLANK0000151226	76.9
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTL20010608AAO	177.1
No	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	136.8
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	141.0
No	W28ED-D	D28	LD	CP	ETNA, ME	BNPDTL20100504AMC	325.0
No	WNYT	D28	LD	CP	ALBANY, NY	BLANK0000149609	201.3
No	WNYT	D28	LD	LIC	ALBANY, NY	BLANK0000151254	201.3
No	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	364.6
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	259.7
No	WNYJ-LD	D28-	LD	CP	New York, NY	BLANK0000127438	219.8
No	W28ES-D	D28z	LD	LIC	New York, NY	BLANK0000052790	293.3
No	W25FA-D	D28	LD	CP	New york, NY	BLANK0000127436	259.7
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	219.0
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	304.7
No	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	305.0
No	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	410.5
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	333.6
No	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	233.6
No	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDTL20120507ABK	129.7
No	WTXX-LD	D29	LD	CP	New haven, CT	BLANK0000150911	153.9
No	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	32.0
No	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	209.7
No	W28DQ-D	D29	LD	CP	WINDSOR, VT	BLANK0000051758	129.7
No	CKTM-DT	D28	DT	LIC	TROISRIVIRES, QC	BLANKCANADA315	454.9

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: Stringent
   Latitude: 42 29 1.20 N (NAD83)
  Longitude: 71 32 54.00 W
Height AMSL: 100.3 m
       HAAT: 0.0 m
   Peak ERP: 2.50 kW
    Antenna: SCALA-4DR-4S Fig 8 315.0 deg
Elev Pattrn: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.906 kW	-3.5 m	17.2 km
45.0	0.006	13.8	5.1
90.0	0.001	39.1	3.6
135.0	0.030	34.9	7.9
180.0	0.001	13.3	3.2
225.0	0.006	-38.3	5.1
270.0	0.906	-2.4	17.2
315.0	2.50	-5.9	22.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 6 m

Proposal 25.14 dBu contour does not cross Canadian border
Distance to Canadian border: 281.1 km

Distance to Mexican border: 2947.2 km

Conditions at FCC monitoring station: Belfast ME
Bearing: 41.5 degrees Distance: 295.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.2 degrees Distance: 2804.7 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 proposal scenario 1
16.60% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W28FA-D	D28	LD	APP	WESTMORELAND, NH	W28FA-D 100p3C 2p5K 4D	
Undesireds:	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	12.0 km
	W27ER-D	D27	LD	LIC	WESTMORELAND, NH	BLANK0000151043	69.6
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	136.8
	WNYT	D28	LD	CP	ALBANY, NY	BLANK0000149609	201.3
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	259.7
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	304.7
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	32.0

Service area		Terrain-limited		IX-free		Percent IX	
473.3	102,204	307.6	77,858	247.9	64,931	19.40	16.60

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WUNI D27 DT LIC	57.6	12,803	12.1	3,430	3.95	4.41
WHPX-TV D28 DT LIC	18.2	2,569	1.0	0	0.33	0.00
WNEU D29 DT LIC	42.5	9,169	1.0	124	0.33	0.16