

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W28FA-D AP to Wheeland, Model: Longley-Rice
Start: 2021.06.23 17:56:54

Study created: 2021.06.23 17:56:54

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

Proposal: W28FA-D_A D28 LD APP WESTMORELAND, NH
File number: W28FA-D AP to Wheeland
Facility ID: 186685
Station data: User record
Record ID: 128
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	BLTTTL20061201AAG	137.6 km
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	58.6
No	W27ER-D	D27	LD	CP	WESTMORELAND, NH	BLANK0000144341	47.1
No	W27ER-D	D27	LD	LIC	WESTMORELAND, NH	BLANK0000150685	47.1
No	W16AL	D27+	LD	CP	BURLINGTON, VT	BLANK0000118485	213.5
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTTL20010608AAO	195.4
No	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	150.0
No	W28DA-D	D28	LD	LIC	PITTSFIELD, MA	BLDTT20090604ABU	124.6
No	W28ED-D	D28	LD	CP	ETNA, ME	BNPDTL20100504AMC	310.7
No	WNYT	D28	LD	CP	ALBANY, NY	BLANK0000149609	162.7
No	DDWBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	346.8
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	270.2
No	WNYJ-LD	D28-	LD	CP	New York, NY	BLANK0000127438	226.2
No	W28ES-D	D28z	LD	LIC	New York, NY	BLANK0000052790	302.8
No	W25FA-D	D28	LD	CP	New york, NY	BLANK0000127436	270.2
No	WEPT-CD	D28	DC	LIC	NEWBURGH, NY	BLANK0000100341	216.0
No	WUHF	D28	DT	LIC	ROCHESTER, NY	BLCDT20050316AAK	467.2
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	272.4
No	WWDG-CD	D28	DC	CP	UTICA, NY	BLANK0000035669	272.6
No	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	419.9
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	323.4
No	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	192.3
No	W28DQ-D	D28	LD	LIC	WINDSOR, VT	BLDCTL20120507ABK	83.0
No	WTXX-LD	D29	LD	CP	New haven, CT	BLANK0000053148	139.7
No	WMUR-LP	N29-	TX	LIC	Littleton, NH	BLTTTL20000601AEG	146.7
Yes	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	77.5
No	WLNK-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	233.3
No	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	252.9
No	W28DQ-D	D29	LD	CP	WINDSOR, VT	BLANK0000051758	83.0
No	CKWS-TV-2	D28	DT	LIC	PRESCOTT, ON	BLANKCANADA215	368.1
No	CKTM-DT	D28	DT	LIC	TROISRIVIERES, QC	BLANKCANADA315	411.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Stringent
Latitude: 42 50 28.00 N (NAD83)
Longitude: 71 51 4.00 W
Height AMSL: 328.9 m
HAAT: 0.0 m
Peak ERP: 0.800 kW

Antenna: SCALA-4DR-4-2HW (ID 1005041) 200.0 deg
Elev Pattn: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	20.0 m	2.5 km
45.0	0.000	91.7	4.1
90.0	0.129	189.5	25.8
135.0	0.716	105.6	28.9
180.0	0.550	21.8	15.2
225.0	0.524	-55.4	15.0
270.0	0.673	2.0	15.8
315.0	0.057	23.1	8.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 50 m

Proposal 25.14 dBu contour does not cross Canadian border
Distance to Canadian border: 240.9 km

Distance to Mexican border: 2946.4 km

Conditions at FCC monitoring station: Belfast ME
Bearing: 50.4 degrees Distance: 285.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.3 degrees Distance: 2776.1 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 BLANK0000116628 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	
Undesireds:	W28FA-D_A	D28	LD	APP	WESTMORELAND, NH	W28FA-D AP to Wheeland	77.5 km
	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	148.0
	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	210.0
	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	315.0
	WEDH	D30	DT	LIC	HARTFORD, CT	BLANK0000080371	148.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26290.7 7,137,667	25378.0 7,055,144	25191.5 7,036,324	25190.5 7,036,315	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W28FA-D_A D28 LD APP	1.0 9		1.0 9
WHPX-TV D28 DT LIC	19.1 1,289	0.0 0	0.0 0
WLNY-TV D29 DT LIC	134.3 14,357	87.1 12,042	87.1 12,042
WKTV D29 DT LIC	80.4 5,475	34.2 3,234	34.2 3,234
WEDH D30 DT LIC	22.1 1,433	1.0 0	1.0 0

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W28FA-D_A	D28	LD	APP	WESTMORELAND, NH	W28FA-D AP to Wheeland	
Undesireds:	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	58.6 km
	W27ER-D	D27	LD	CP	WESTMORELAND, NH	BLANK0000144341	47.1
	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	270.2
	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	272.4
	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	77.5

W28DQ-D D29 LD CP WINDSOR, VT BLANK0000051758 83.0

Service area		Terrain-limited		IX-free		Percent IX	
844.4	82,085	691.4	71,399	690.4	71,378	0.15	0.03

Undesired	Total IX	Unique IX	Prcnt Unique IX
WUNI D27 DT LIC	1.0 21 0.0	0	0.00 0.00
WNEU D29 DT LIC	1.0 21 0.0	0	0.00 0.00