Study created: 2018.03.09 16:46:49

Study build station data: LMS TV 2018-03-07 (42)

Proposal: WNGX-LD D33 LD LIC TROY, NY
File number: BLANK0000035004
Facility ID: 6762
Station data: User record
Record ID: 806
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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WBPX-TV	D32	DT	LIC	BOSTON, MA	BLCDT20040723ACG	204.0 km
No	WGBX-TV	D32	DT	CP	BOSTON, MA	BLANK0000025427	202.9
No	WGBX-TV	D32	DT	APP	BOSTON, MA	BLANK0000034938	202.9
No	WGBX-TV	D32	DT	BL	BOSTON, MA	DTVBL72098	202.9
No	WLIW	D32	DT	CP	GARDEN CITY, NY	BLANK0000034431	259.6
No	WLIW	D32	DT	BL	GARDEN CITY, NY	DTVBL38336	248.1
No	WTKO-CD	D32	DC	CP	ONEIDA, NY	BLANK0000034943	174.2
No	WQPX-TV	D32	DT	LIC	SCRANTON, PA	BLCDT20060629AFR	252.7
No	WETK	D32	DT	LIC	BURLINGTON, VT	BLEDT20061011ADW	176.8
Yes	WFSB	D33	DT	LIC	HARTFORD, CT	BLCDT20041029AIL	150.4
Yes	WCCT-TV	D33	DT	CP	WATERBURY, CT	BLANK0000034241	157.0
Yes	WCCT-TV	D33	DT	BL	WATERBURY, CT	DTVBL14050	157.0
No	WCVB-TV	D33	DT	CP	BOSTON, MA	BLANK0000034567	202.9
No	WCVB-TV	D33	DT	BL	BOSTON, MA	DTVBL65684	202.9
No	WMPX-LP	D33	LD	CP	DENNIS, MA	BDFCDTL20090515ABS	300.0
No	WMPX-LP	N33z	TX	LIC	DENNIS, MA	BLTTL20041202ACZ	300.0
No	WPXG-TV	D33	DT	LIC	CONCORD, NH	BLCDT20031014AEP	179.8
No	WGRZ	D33	DT	APP	BUFFALO, NY	BLANK0000035664	411.8
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLCDT20050705AAG	411.8
Yes	WCBS-TV	D33	DT	LIC	NEW YORK, NY	BLCDT20090612AFN	255.4
Yes	WVVC-LD	D33	LD	LIC	UTICA, NY	BLDTL20110829AAZ	135.8
No	WPSG	D33	DT	CP	PHILADELPHIA, PA	BLANK0000024876	360.5
No	WPSG	D33	DT	APP	PHILADELPHIA, PA	BLANK0000034323	360.5
No	WZPA-LD	D33	LD	CP	PHILADELPHIA, PA	BDFCDTL20100915ABB	360.4

No	WZPA-LD	D33	LD	LIC	PHILADELPHIA, PA	BLDTL20120615AAK	360.4
No	WPSG	D33	DT	BL	PHILADELPHIA, PA	DTVBL12499	360.4
No	WQPX-TV	D33	DT	APP	SCRANTON, PA	BLANK0000034918	252.7
No	WQPX-TV	D33	DT	CP	SCRANTON, PA	BLANK0000026991	252.7
No	WQPX-TV	D33	DT	BL	SCRANTON, PA	DTVBL64690	252.7
No	W33DZ-D	D33	LD	CP	WILLIAMSPORT, PA	BDCCDTT20130103ACT	349.8
No	WTIC-TV	D34	DT	CP	HARTFORD, CT	BLANK0000025068	157.0
No	WTIC-TV	D34	DT	BL	HARTFORD, CT	DTVBL147	157.0
No	WFXT	D34	DT	CP	BOSTON, MA	BLANK0000034907	204.6
No	WFXT	D34	DT	BL	BOSTON, MA	DTVBL6463	204.6
No	WNEU	D34	DT	LIC	MERRIMACK, NH	BLCDT20021028AAH	157.4
No	WIVT	D34	DT	LIC	BINGHAMTON, NY	BLCDT20090819AGR	225.0
No	WPXN-TV	D34	DT	APP	NEW YORK, NY	BLANK0000034356	259.6
No	WPXN-TV	D34	DT	CP	NEW YORK, NY	BLANK0000027363	259.6
No	WPXN-TV	D34	DT	BL	NEW YORK, NY	DTVBL73356	259.6
No	WYCI	D34	DT	CP	SARANAC LAKE, NY	BLANK0000034619	173.2
Yes	WMHT	D34	DT	LIC	SCHENECTADY, NY	BLEDT20040108ALV	59.1
No	WFXV	D34	DT	CP	UTICA, NY	BLANK0000029986	134.8
No	WFXV	D34	DT	BL	UTICA, NY	DTVBL43424	134.8
No	W46ED-D	D34	LD	APP	WILLSBORO, NY	BLANK0000029813	154.2
No	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	252.8
No	WSWB	D34	DT	BL	SCRANTON, PA	DTVBL73374	252.8
No	WCRN-LD	N34+	TX	LIC	PROVIDENCE, RI	BLTTL19960130JB	156.1
No	WVBG-LP	N41+	TX	LIC	GREENWICH, NY	BLTTL20080903ABL	64.6
No	CBOFT-DT	D33	DT	LIC	OTTAWA, ON	BLANKCANADA205	332.3
No	CIVC-DT	D33	DT	LIC	TROISRIVIRES, QC	BLANKCANADA317	391.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D33
       Mask: Full Service
   Latitude:  43  1 12.20 N (NAD83)
  Longitude:  73 31 26.40 W
Height AMSL: 451.3 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: NIC-(4) BKU 2@50 2@310 (ID 1002599) 270.0 deg
Elev Pattrn: Generic
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50.6 dBu contour:

Azimuth	ERP	HAAT	Distance

0.0 deg	6.34 kW	305.2 m	51.6 km
45.0	0.338	247.0	33.0
90.0	0.600	213.5	34.3
135.0	0.338	266.8	33.9
180.0	6.34	285.6	50.5
225.0	14.6	385.2	60.0
270.0	11.4	361.8	57.6
315.0	14.6	383.3	59.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 306 m

Proposal 25.60 dBu contour does not cross Canadian border
Distance to Canadian border: 220.6 km

Distance to Mexican border: 2842.7 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 269.0 degrees Distance: 304.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.0 degrees Distance: 2638.8 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%

No IX check failures found.