

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W06DH_A AstroCrane 250w HDCA5 #384, Model: Longley-Rice
Start: 2021.07.02 11:33:56

Study created: 2021.07.02 11:33:56

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

Proposal: W06DH-D D6 LD APP WESTMORELAND, NH
File number: W06DH_A AstroCrane 250w HDCA5
Facility ID: 186686
Station data: User record
Record ID: 136
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	WGBH-TV	D5	DT	LIC	BOSTON, MA	BLANK0000138509	33.7 km
No	WRGB	D5	LD	LIC	SCHENECTADY, NY	BLANK0000129768	142.6
No	WLLB-LD	D6	LD	CP	PORTLAND, ME	BLANK0000054937	165.7
No	WXXW-LP	D6-	LD	CP	BINGHAMTON, NY	BLANK0000144350	362.1
No	WXXW-LP	N6-	TX	LIC	BINGHAMTON, NY	BLTVL20060515AAC	361.0
No	WNYZ-LP	D6	LD	APP	NEW YORK, NY	BLANK0000151259	276.7
No	WNYZ-LP	N6+	TX	LIC	NEW YORK, NY	BLTVL20080128ACC	277.2
No	WNYZ-LP	D6	LD	CP	NEW YORK, NY	BDFCDVL20150120AIE	277.2
No	WRGB	D6	DT	LIC	SCHENECTADY, NY	BMLCDT20110816AAF	202.2
No	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	202.2
No	WPVI-TV	D6	DT	APP	PHILADELPHIA, PA	BLANK0000035671	410.6
No	WPVI-TV	D6	DT	LIC	PHILADELPHIA, PA	BLCDT20111019ACJ	410.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6
Mask: Simple
Latitude: 42 29 1.20 N (NAD83)
Longitude: 71 32 54.00 W
Height AMSL: 100.3 m
HAAT: 0.0 m
Peak ERP: 0.250 kW
Antenna: KAT-HDCA5 (ID 1008316) 0.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.250 kW	-3.5 m	19.0 km
45.0	0.034	13.8	11.7
90.0	0.000	39.1	2.2
135.0	0.001	34.9	5.5
180.0	0.005	13.3	7.1
225.0	0.001	-38.3	5.2
270.0	0.000	-2.4	2.0
315.0	0.034	-5.9	11.7

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

Proposal 13.00 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

**MX: 7.92% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W06DH-D	D6	LD	APP	WESTMORELAND, NH	W06DH_A AstroCrane	250
Undesireds:	WGBH-TV	D5	DT	LIC	BOSTON, MA	BLANK0000138509	33.7 km
	WNYZ-LP	D6	LD	APP	NEW YORK, NY	BLANK0000151259	276.7
	WRGB	D6	DT	APP	SCHENECTADY, NY	BLANK0000035659	202.2

	Service area		Terrain-limited		IX-free		Percent IX
	283.2	44,783	272.1	43,234	244.7	39,809	10.04 7.92
Undesired				Total IX		Unique IX	Prcnt Unique IX
WGBH-TV D5 DT LIC			25.3	3,003	24.3	2,757	8.92 6.38
WRGB D6 DT APP			3.0	668	2.0	422	0.74 0.98