

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Dubios19d1kwTUA170T, Model: Longley-Rice

Start: 2021.04.09 14:08:24

Study created: 2021.04.09 14:08:24

Study build station data: LMS TV 2021-04-07

Proposal: W19EI-D D19 LD APP DUBOIS, PA

Facility ID: 187452

Station data: User record

Record ID: 2079

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WDTB-LD	D18	LD	CP	HAMBURG, NY	BLANK0000120384	156.2 km
No	WTVH	D18	DT	LIC	SYRACUSE, NY	BLANK0000136484	266.7
No	WXTM-LD	D18	LD	CP	ERIE, PA	BLANK0000072360	136.0
No	W19DY-D	D19	LD	CP	CRESAPTOWN, MD	BMPDTL20121012AAA	186.6
No	WYPX-TV	D19	DT	LIC	AMSTERDAM, NY	BLANK0000080167	407.3
No	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061	123.0
No	WECY-LD	D19	LD	CP	CORNING, NY	BLANK0000053150	190.5
No	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	266.7
No	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTTL20080804ADM	362.8
No	WTKJ-LP	D19	LD	CP	WATERTOWN, NY	BDFCDTL20090616ACF	362.8
No	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	250.5
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK0000052505	402.4
No	WFND-LD	D19	LD	LIC	FINDLAY, OH	BLANK0000055157	416.3
No	WEPA-LD	D19	LD	CP	ERIE, PA	BNPDTL20100714ACL	136.0
No	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	144.7
No	W20BL-D	D20	LD	LIC	BATH, NY	BLDRTL20120315AAG	152.1
No	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	67.0
No	WWHC-LD	D20	LD	LIC	OLEAN, NY	BLANK0000118115	107.5

No	WWHC-LD	D20	LD	APP	OLEAN, NY	BLANK0000130608	137.8
No	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	266.7
No	W33CR-D	D20	LD	CP	CHAMBERSBURG, PA	BLANK0000130447	177.7
No	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	149.6
No	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	155.8
No	W20AD-D	D20	LD	LIC	WILLIAMSPORT, PA	BLDTT20090810AAD	140.4
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	172.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19  
Mask: Stringent  
Latitude: 41 28 55.00 N (NAD83)  
Longitude: 78 41 10.00 W  
Height AMSL: 593.3 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 1.00 kW  
Antenna: DIE-TUA (ID 120649) 170.0 deg  
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	80.7 m	7.2 km
45.0	0.004	50.0	6.0
90.0	0.000	15.9	3.2
135.0	0.373	38.0	16.0
180.0	0.925	12.3	18.3
225.0	0.076	88.6	16.3
270.0	0.003	78.6	7.0
315.0	0.002	40.0	4.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 51 m

Proposal 24.25 dBu contour does not cross Canadian border  
Distance to Canadian border: 151.0 km

Distance to Mexican border: 2401.0 km

Conditions at FCC monitoring station: Canandaigua NY  
Bearing: 35.8 degrees Distance: 197.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 275.0 degrees Distance: 2228.5 km

No land mobile station failures found

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%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19EI-D	D19	LD	APP	DUBOIS, PA		
Undesireds:	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	250.5 km
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	67.0
	Service area			Terrain-limited			
	403.7	13,419		368.5	11,967	366.4	
					IX-free	Percent IX	
					11,964	0.55	0.03
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WKYC D19 DT LIC			2.0	3	2.0	3	0.55 0.03