

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Dubious17dlkWUA170T, Model: Longley-Rice

Start: 2021.04.13 09:21:29

Study created: 2021.04.13 09:21:29

Study build station data: LMS TV 2021-04-13

Proposal: W17DU-D D17 LD APP DUBOIS, PA

Facility ID: 187451

Station data: User record

Record ID: 2085

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	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK0000136976	172.7 km
No	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	152.1
No	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	123.0
No	WHLZ-LD	D16	LD	CP	Harrisburg, PA	BLANK0000104818	195.0
No	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	157.3
No	WNMF-LD	D17	LD	LIC	MORRISTOWN, NJ	BLDTL20130325APT	358.0
No	W50ES-D	D17	LD	CP	ELMIRA, NY	BLANK0000071860	152.1
No	WVBG-LP	D17+	LD	CP	GREENWICH, NY	BLANK0000117330	406.6
No	W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	131.7
No	WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK0000127611	272.9
No	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLANK0000136455	272.9
No	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.0
No	W44DC-D	D17	LD	CP	COLUMBUS, OH	BLANK0000054287	402.4
No	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.4
No	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.4
No	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	331.4
No	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	331.4
No	W30CO-D	D17	LD	CP	WHEELING, WV	BLANK0000054635	234.9

No	WDTB-LD	D18	LD	CP	HAMBURG, NY	BLANK0000120384	156.2
No	WTVH	D18	DT	LIC	SYRACUSE, NY	BLANK0000136484	266.7
No	WXTM-LD	D18	LD	CP	ERIE, PA	BLANK0000072360	136.0
No	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	67.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17  
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

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	80.7 m	7.2 km
45.0	0.004	50.0	6.1
90.0	0.000	15.9	3.3
135.0	0.373	38.0	16.2
180.0	0.925	12.3	18.5
225.0	0.076	88.6	16.5
270.0	0.003	78.6	7.1
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 24.04 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

Proposal is not within the Offshore Radio Service protected area

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:	W17DU-D	D17	LD	APP	DUBOIS, PA		
Undesireds:	WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK0000127611	272.9 km
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.4
	Service area			Terrain-limited			
411.8	14,262	376.5		11,967	376.5	IX-free 11,967	Percent IX 0.00 0.00