

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Tyrone17dF, Model: Longley-Rice  
Start: 2021.05.10 10:16:10

Study created: 2021.05.10 10:16:10

Study build station data: LMS TV 2021-05-10

Proposal: W17DU-D D17 LD APP DUBOIS, PA  
File number: BLANK0000144717  
Facility ID: 187451  
Station data: User record  
Record ID: 2138  
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	259.7 km
No	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	188.0
No	W16EJ-D	D16	LD	LIC	DUBOIS, PA	BLANK0000144609	0.1
No	W16EJ-D	D16	LD	APP	DUBOIS, PA	BLANK0000144718	48.1
No	WHLZ-LD	D16	LD	CP	Harrisburg, PA	BLANK0000104818	124.9
No	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	142.0
No	W41DK-D	D16	LD	CP	KEYSER, WV	BLANK0000035614	163.3
No	WNDC-LP	D17z	LD	CP	SALISBURY, MD	BLANK0000054251	368.2
No	WNMF-LD	D17	LD	APP	MORRISTOWN, NJ	BLANK0000127456	366.9
No	WNMF-LD	D17	LD	LIC	MORRISTOWN, NJ	BLDTL20130325APT	321.1
No	W50ES-D	D17	LD	CP	ELMIRA, NY	BLANK0000071860	188.0
No	WVBG-LP	D17+	LD	CP	GREENWICH, NY	BLANK0000117330	413.5
No	W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	205.2
No	W20EF-D	D17	LD	APP	NEW YORK, NY	BLANK0000054825	366.9
No	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0
No	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLANK0000136455	311.0
No	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	291.6

No	W44DC-D	D17	LD	CP	COLUMBUS, OH	BLANK0000054287	407.2
No	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	133.7
Yes	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	133.7
No	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	272.3
No	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	272.3
No	WXOB-LP	D17z	LD	LIC	RICHMOND, VA	BLTTA20020809AAN	353.5
No	WXOB-LP	N17z	TX	CP	RICHMOND, VA	BPTTL20150303ACH	363.3
No	WVVA	D17	DT	LIC	BLUEFIELD, WV	BLANK0000087309	458.5
No	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000127491	458.5
No	W30CO-D	D17	LD	CP	WHEELING, WV	BLANK0000054635	218.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17  
 Mask: Full Service  
 Latitude: 40 43 58.30 N (NAD83)  
 Longitude: 78 19 29.90 W  
 Height AMSL: 802.0 m  
 HAAT: 0.0 m  
 Peak ERP: 1.00 kW  
 Antenna: Scala-2 Skewed 4DR4s (ID 1008142) 0.0 deg  
 Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.706 kW	298.0 m	41.2 km
45.0	0.509	175.8	33.2
90.0	1.00	342.3	45.3
135.0	0.446	429.7	43.5
180.0	0.007	387.4	19.3
225.0	0.003	101.6	8.3
270.0	0.202	278.7	33.6
315.0	0.897	304.1	42.8

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 290 m

Proposal 24.04 dBu contour does not cross Canadian border  
Distance to Canadian border: 235.3 km

Distance to Mexican border: 2372.0 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 143.2 degrees    Distance: 216.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 277.2 degrees    Distance: 2267.5 km

\*\*Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 111.5 km  
\*\*Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 104.8 km  
\*\*Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 112.0 km  
\*\*Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 90.5 km  
\*\*Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 86.6 km  
\*\*Proposal fails distance check to land mobile station: FULTON PA WQMC383 ch. 18, 95.2 km  
\*\*Proposal fails contour check to land mobile station: WASHINGTON MD WQMC384 ch. 18

(ADDED NOTE: The above LMRS stations are all secondary to LPTV with the exception of WQMC383. Regarding adjacent-channel WQMC383, all of its locations are also secondary to LPTV with the exception of location 6 at N 39-57-40.0; W 77-28-31.0 and to mobile locations within 128 kilometers of Washington, DC coordinates N 38-53-51.4; W 77-00-31.9. The proposed channel 17D 76 dBu F50,10 contour does not come close to any of these protections; so WQMC383 is adequately protected.)

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%

-----  
Interference to BLANK0000131009 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	
Undesireds:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	133.7 km
	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	53.7
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	159.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6024.3	713,061	5669.4		635,191	5472.1	548,222	0.02 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
W17DU-D	D17 LD APP	1.0		0		1.0	0
WINP-TV	D16 DT LIC	181.3		86,431	175.3	85,115	175.3 85,115
WBNX-TV	D17 DT LIC	22.0		1,854	16.0	538	16.0 538

-----  
Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	W16EJ-D	D16	LD	LIC	DUBOIS, PA	BLANK0000144609	0.1 km
	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	133.7
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	272.3
Service area		Terrain-limited		IX-free		Percent IX	
3882.9	189,386	3052.3		135,097	3046.4	135,097	0.20 0.00
Undesired		Total IX		Unique IX		Prcnt Unique IX	
W16EJ-D	D16 LD LIC	1.0		0	1.0	0	0.03 0.00
WJMB-CD	D17 DC LIC	2.0		0	2.0	0	0.07 0.00

WPHL-TV D17 DT LIC	3.0	0	3.0	0	0.10	0.00
--------------------	-----	---	-----	---	------	------

-----  
Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0 km
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	133.7
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	272.3

Service area	Terrain-limited	IX-free	Percent IX
3882.9 189,386	3052.3 135,097 3047.4	135,097	0.16 0.00

Undesired	Total IX	Unique IX	Prcnt Unique IX
WJMB-CD D17 DC LIC	2.0 0 2.0	0	0.07 0.00
WPHL-TV D17 DT LIC	3.0 0 3.0	0	0.10 0.00

-----  
Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	W16EJ-D	D16	LD	LIC	DUBOIS, PA	BLANK0000144609	0.1 km
	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	133.7
	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	272.3

Service area	Terrain-limited	IX-free	Percent IX
3882.9 189,386	3052.3 135,097 3045.4	135,097	0.23 0.00

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16EJ-D D16 LD LIC	1.0 0 1.0	0	0.03 0.00
WJMB-CD D17 DC LIC	2.0 0 2.0	0	0.07 0.00
WPHL-TV D17 DT CP	4.0 0 4.0	0	0.13 0.00

-----  
Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0 km
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	133.7
	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	272.3
	Service area		Terrain-limited		IX-free	Percent IX	
	3882.9	189,386	3052.3	135,097	3046.4	135,097	0.20 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
WJMB-CD D17 DC LIC		2.0		0	2.0	0	0.07 0.00
WPHL-TV D17 DT CP		4.0		0	4.0	0	0.13 0.00

-----  
Interference to proposal scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	W16EJ-D	D16	LD	LIC	DUBOIS, PA	BLANK0000144609	0.1 km
	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	133.7
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	272.3
	Service area		Terrain-limited		IX-free	Percent IX	
	3882.9	189,386	3052.3	135,097	3045.4	135,097	0.23 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
W16EJ-D D16 LD LIC		1.0		0	1.0	0	0.03 0.00
WJMB-CD D17 DC CP		3.0		0	3.0	0	0.10 0.00
WPHL-TV D17 DT LIC		3.0		0	3.0	0	0.10 0.00

-----  
Interference to proposal scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0 km
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	133.7
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	272.3
	Service area		Terrain-limited		IX-free	Percent IX	
	3882.9	189,386	3052.3	135,097	3046.4	135,097	0.20 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
WJMB-CD D17 DC CP		3.0		0	3.0	0	0.10 0.00
WPHL-TV D17 DT LIC		3.0		0	3.0	0	0.10 0.00

-----  
Interference to proposal scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	W16EJ-D	D16	LD	LIC	DUBOIS, PA	BLANK0000144609	0.1 km
	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	133.7
	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	272.3
	Service area		Terrain-limited		IX-free	Percent IX	
	3882.9	189,386	3052.3	135,097	3044.4	135,097	0.26 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
W16EJ-D D16 LD LIC		1.0		0	1.0	0	0.03 0.00
WJMB-CD D17 DC CP		3.0		0	3.0	0	0.10 0.00
WPHL-TV D17 DT CP		4.0		0	4.0	0	0.13 0.00

-----  
Interference to proposal scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
--	------	------	-----	--------	-------------	-------------	----------

Desired:	W17DU-D	D17	LD	APP	DUBOIS, PA	BLANK0000144717	
Undesireds:	WSYR-TV	D17	DT	CP	SYRACUSE, NY	BLANK0000127611	311.0 km
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	133.7
	WPHL-TV	D17	DT	CP	PHILADELPHIA, PA	BLANK0000127575	272.3

  

Service area		Terrain-limited		IX-free		Percent IX	
3882.9	189,386	3052.3	135,097	3045.4	135,097	0.23	0.00

  

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WJMB-CD D17 DC CP	3.0	0	3.0	0	0.10	0.00	
WPHL-TV D17 DT CP	4.0	0	4.0	0	0.13	0.00	