

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: aDubios16dlkwTUA170T, Model: Longley-Rice

Start: 2021.04.13 12:20:28

Study created: 2021.04.13 12:20:28

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

Proposal: W28EO-D D16 LD APP DUBOIS, PA

Facility ID: 187454

Station data: User record

Record ID: 2088

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	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	172.7 km
No	W15EG-D	D15-	LD	LIC	CORNING, NY	BLANK0000129359	152.1
No	WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	252.9
Yes	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	44.9
No	WCPB	D16	DT	LIC	SALISBURY, MD	BLANK0000080044	433.5
No	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK0000136976	172.7
No	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	152.1
No	WFNY-CD	D16	DC	LIC	GLOVERSVILLE, NY	BLANK0000068459	397.8
No	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	123.0
No	WNYS-CD	D16	DC	LIC	ITHACA, NY	BLANK0000001083	209.4
No	WZLH-LD	D16	LD	LIC	SYRACUSE, NY	BLANK0000118420	271.8
No	WRAP-LP	D16-	LD	CP	CLEVELAND, OH	BLANK0000137492	251.0
No	WOSU-TV	D16	DT	LIC	COLUMBUS, OH	BLANK0000111772	385.5
No	WHLZ-LD	D16	LD	CP	Harrisburg, PA	BLANK0000104818	195.0
No	WDUM-LD	D16	LD	LIC	Philadelphia, PA	BLANK0000124581	331.6
Yes	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	157.3
No	WVAW-LD	D16	LD	LIC	CHARLOTTESVILLE, VA	BLDTL20090218AEG	389.2
No	WUSV-LD	D16	LD	CP	Fairmont, WV	BLANK0000072244	280.5

No	WUSV-LD	D16	LD	LIC	Fairmont, WV	BLDTL20140616AEQ	280.5
No	W41DK-D	D16	LD	CP	KEYSER, WV	BLANK0000035614	235.8
No	W16CV-D	D16	LD	LIC	PARKERSBURG, WV	BLDTL20140527AHW	329.9
No	W50ES-D	D17	LD	CP	ELMIRA, NY	BLANK0000071860	152.1
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	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.4
No	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.4
Yes	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	0.2
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: D16
 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

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	80.7 m	7.3 km
45.0	0.004	50.0	6.1
90.0	0.000	15.9	3.3
135.0	0.373	38.0	16.4
180.0	0.925	12.3	18.6
225.0	0.076	88.6	16.7
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 23.94 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%

Interference to BLEDT20130614ACC LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		44.9 km
	WBNF-CD	D15	DC	LIC	BUFFALO, NY	BLDTA20111130LWW	215.3

DWNYS-TV	D15	DT	BL	SYRACUSE, NY	DTVBL58725	269.2
WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	275.2
WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	268.8
WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	148.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36330.0 1,055,800	32728.3 876,646	31793.2 853,581	31791.2 853,581	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	3.0 0	2.0 0	
WBNF-CD D15 DC LIC	6.0 542	1.0 365	
DWNYS-TV D15 DT BL	132.4 568	95.2 435	
WEWS-TV D15 DT LIC	470.4 13,201	397.7 10,472	
WFDC-DT D15 DT LIC	364.6 8,649	312.5 8,201	
WINP-TV D16 DT LIC	73.6 3,030	21.9 783	

Interference to BLANK0000098050 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		157.3 km
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	148.5
	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK0000136976	299.3
	WOSU-TV	D16	DT	LIC	COLUMBUS, OH	BLANK0000111772	252.8
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	53.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23334.8 2,935,783	22216.1 2,876,325	21852.1 2,851,109	21852.1 2,851,109	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	1.0 15	0.0 0	
WPSU-TV D15 DD LIC	8.0 190	8.0 190	
WNYO-TV D16 DT LIC	24.2 520	9.0 284	
WOSU-TV D16 DT LIC	290.1 21,254	278.0 21,040	
WJMB-CD D17 DC LIC	59.8 3,539	53.8 3,466	

Interference to BLANK0000098050 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK0000098050	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		157.3 km
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	148.5
	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK00000136976	299.3
	WOSU-TV	D16	DT	LIC	COLUMBUS, OH	BLANK00000111772	252.8
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK00000131009	53.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	23334.8	2,935,783	22216.1	2,876,325	21829.6	2,851,962	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W28EO-D D16 LD APP		1.0		15		0.0 0	
WPSU-TV D15 DD LIC		8.0		190	8.0 190	8.0 190	
WNYO-TV D16 DT LIC		24.2		520	11.0 304	10.0 289	
WOSU-TV D16 DT LIC		290.1		21,254	276.0 21,015	276.0 21,015	
WJMB-CD D17 DC CP		86.5		2,778	76.3 2,613	76.3 2,613	

Interference to BNPDTL20100609AGF CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	122.8
	WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK00000127611	272.7
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK00000100132	251.2
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2459.6	37,600	2228.1	35,679	2214.0	35,445	0.05 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	

W28EO-D D16 LD APP	1.0	5			1.0	5
WSYR-TV D17 DT APP	1.0	0	1.0	0	1.0	0
WBNX-TV D17 DT LIC	8.1	214	6.0	214	6.0	214
WJMB-CD D17 DC LIC	7.1	20	5.0	20	5.0	20

Interference to BNPDTL20100609AGF CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	122.8
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2459.6 37,600		2228.1 35,679		2215.0 35,445		2214.0 35,440	0.05 0.01
Undesired	Total IX			Unique IX, before		Unique IX, after	
W28EO-D D16 LD APP	1.0	5			1.0	5	
WBNX-TV D17 DT LIC	8.1	214	6.0	214	6.0	214	
WJMB-CD D17 DC LIC	7.1	20	5.0	20	5.0	20	

Interference to BNPDTL20100609AGF CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	131.6
	WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK0000127611	272.7
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2459.6 37,600		2228.1 35,679		2213.0 35,370		2211.9 35,365	0.05 0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	1.0	5		1.0 5
W16BE-D D17 LD CP	2.0	75	1.0 75	1.0 75
WSYR-TV D17 DT APP	1.0	0	1.0 0	1.0 0
WBNX-TV D17 DT LIC	8.1	214	6.0 214	6.0 214
WJMB-CD D17 DC LIC	7.1	20	5.0 20	5.0 20

Interference to BNPDTL20100609AGF CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	131.6
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.6
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	2459.6 37,600	2228.1 35,679	2214.0 35,370	2213.0 35,365	0.05 0.01		

Undesired		Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	1.0	5		1.0 5
W16BE-D D17 LD CP	2.0	75	1.0 75	1.0 75
WBNX-TV D17 DT LIC	8.1	214	6.0 214	6.0 214
WJMB-CD D17 DC LIC	7.1	20	5.0 20	5.0 20

Interference to BNPDTL20100609AGF CP scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	122.8
	WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK0000127611	272.7
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2

WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.6			
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
2459.6	37,600	2228.1	35,679	2194.8	35,405	2193.8	35,400	0.05	0.01
Undesired		Total IX		Unique IX, before		Unique IX, after			
W28EO-D	D16 LD APP	1.0	5			1.0	5		
WSYR-TV	D17 DT APP	1.0	0	1.0	0	1.0	0		
WBNX-TV	D17 DT LIC	8.1	214	5.0	214	5.0	214		
WJMB-CD	D17 DC CP	27.2	60	24.2	60	24.2	60		

Interference to BNPDTL20100609AGF CP scenario 6

Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired: W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF				
Undesireds: W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km			
W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	122.8			
WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2			
WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.6			
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
2459.6	37,600	2228.1	35,679	2195.8	35,405	2194.8	35,400	0.05	0.01
Undesired		Total IX		Unique IX, before		Unique IX, after			
W28EO-D	D16 LD APP	1.0	5			1.0	5		
WBNX-TV	D17 DT LIC	8.1	214	5.0	214	5.0	214		
WJMB-CD	D17 DC CP	27.2	60	24.2	60	24.2	60		

Interference to BNPDTL20100609AGF CP scenario 7

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds: W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	131.6

WSYR-TV	D17	DT	APP	SYRACUSE, NY	BLANK0000127611	272.7
WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2
WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2459.6 37,600	2228.1 35,679	2193.8 35,330	2192.8 35,325	0.05 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	1.0 5	1.0 5	1.0 5
W16BE-D D17 LD CP	2.0 75	1.0 75	1.0 75
WSYR-TV D17 DT APP	1.0 0	1.0 0	1.0 0
WBNX-TV D17 DT LIC	8.1 214	5.0 214	5.0 214
WJMB-CD D17 DC CP	27.2 60	24.2 60	24.2 60

Interference to BNPDTL20100609AGF CP scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	
Undesireds:	W28EO-D	D16	LD	APP	DUBOIS, PA		0.2 km
	W16BE-D	D17	LD	CP	HORNELL, ALFRED, NY	BLANK0000052817	131.6
	WBNX-TV	D17	DT	LIC	AKRON, OH	BLANK0000100132	251.2
	WJMB-CD	D17	DC	CP	BUTLER, PA	BLANK0000131009	118.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2459.6 37,600	2228.1 35,679	2194.8 35,330	2193.8 35,325	0.05 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W28EO-D D16 LD APP	1.0 5	1.0 5	1.0 5
W16BE-D D17 LD CP	2.0 75	1.0 75	1.0 75
WBNX-TV D17 DT LIC	8.1 214	5.0 214	5.0 214
WJMB-CD D17 DC CP	27.2 60	24.2 60	24.2 60

Interference to proposal scenario 1
43.72% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W28EO-D	D16	LD	APP	DUBOIS, PA		
Undesireds:	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	44.9 km
	WNYO-TV	D16	DT	LIC	BUFFALO, NY	BLANK00000136976	172.7
	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	123.0
	WINP-TV	D16	DT	LIC	PITTSBURGH, PA	BLANK00000098050	157.3
	WUSV-LD	D16	LD	CP	Fairmont, WV	BLANK00000072244	280.5
	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	118.4
	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	0.2

Service area	Terrain-limited	IX-free	Percent IX
415.8 14,283	379.5 11,988	249.7 6,747	34.20 43.72

Undesired	Total IX	Unique IX	Prcnt Unique IX
WPSU-TV D15 DD LIC 29.2 901 16.1	842 4.25 7.02		
WNYO-TV D16 DT LIC 16.1 693 3.0	78 0.80 0.65		
WINP-TV D16 DT LIC 20.1 631 4.0	50 1.06 0.42		
W17DU-D D17 LD CP 91.5 3,648 82.5	3,639 21.73 30.36		