

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W26BF 17 WENIsite 2p75KW TLP-J, Model: Longley-Rice
Start: 2018.04.18 10:34:14

Study created: 2018.04.18 10:34:14

Study build station data: LMS TV 2018-04-16

Proposal: W26BF D17 LD APP ELMIRA, NY
File number: W26BF 17 WENIsite 2p75KW TLP-J
Facility ID: 15570
Station data: User record
Record ID: 573
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	WNYO-TV	D16	DT	CP	BUFFALO, NY	BLANK0000034641	207.5 km
Yes	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	27.2
No	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	78.8
No	W16AX-D	D16	DC	LIC	ITHACA, NY	BLANK0000001083	50.1
No	WXXI-TV	D16	DT	LIC	ROCHESTER, NY	BLEDT20140612AAV	139.0
No	W42EB-D	D16	LD	APP	SYRACUSE, NY	BLANK0000052132	124.5
No	WSEE-TV	D16	DT	LIC	ERIE, PA	BLCDT20071219AAS	265.9
No	W16CO-D	D16	LD	LIC	MIDDLEBURG, PA	BLDTL20110222ADB	148.3
Yes	WNBP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000034255	121.1
No	WNMF-LD	D17	LD	LIC	MORRISTOWN, NJ	BLDTL20130325APT	234.7
No	WBXZ-LP	D17	LD	LIC	BUFFALO, NY	BLDTL20140501AAD	195.8
No	WLIG-LP	D17	LD	CP	PLAINVIEW, ETC., NY	BDFCDTL20130603AUD	312.7
No	WLIG-LP	N17+	TX	LIC	PLAINVIEW, ETC., NY	BLTTL20050802AAY	312.7
No	WYCI	D17	DT	BL	SARANAC LAKE, NY	DTVBL77515	334.9
Yes	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	119.1
No	WBNX-TV	D17	DT	CP	AKRON, OH	BLANK0000028072	413.8
No	WKYC	D17	DT	LIC	CLEVELAND, OH	BLCDT20090619ADC	413.3
No	WJMB-CD	D17	DC	LIC	BUTLER, PA	BLDTA20121108ALX	286.6
No	W17DU-D	D17	LD	CP	DUBOIS, PA	BNPDTL20100609AGF	169.0
No	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	256.3
No	WPXQ-TV	D17	DT	LIC	BLOCK ISLAND, RI	BLANK0000033570	418.7
No	WPXQ-TV	D17	DT	APP	BLOCK ISLAND, RI	BLANK0000035377	418.7
No	WMBC-TV	D18	DT	APP	NEWTON, NJ	BLANK0000035693	273.6
No	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	251.3
Yes	WETM-TV	D18	DT	LIC	ELMIRA, NY	BLCDT20090622AFJ	11.0
No	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000034606	116.6
No	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	235.7
No	CITY-DT-3	D17	DT	LIC	OTTAWA, ON	BLANKCANADA199	367.4
No	CIII-DT-41	D17	DT	LIC	TORONTO, ON	BLANKCANADA237	277.6

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: 42 1 55.00 N (NAD83)
Longitude: 76 47 1.00 W
Height AMSL: 630.0 m
HAAT: 0.0 m
Peak ERP: 2.75 kW
Antenna: DIE TLP-J 110 degs 0.0 deg
Elev Pattn: Generic

Elec Tilt: 1.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.922 kW	268.8 m	41.3 km
45.0	1.71	283.4	45.3
90.0	2.61	332.1	50.1
135.0	2.59	214.6	43.9
180.0	1.63	147.7	37.5
225.0	0.906	113.5	32.2
270.0	1.08	209.0	39.0
315.0	1.07	263.7	41.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 229 m

Proposal 24.04 dBu contour does not cross Canadian border

Distance to Canadian border: 177.8 km

Distance to Mexican border: 2562.1 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 338.2 degrees Distance: 105.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.6 degrees Distance: 2380.6 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 BNPDTL20100513ABR CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	
Undesireds:	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	27.2 km
	WNYS-TV	D15	DT	CP	SYRACUSE, NY	BLANK00000034501	109.2
	WDUM-LD	D16	LD	LIC	SPRINGVILLE, NJ	BLANK00000004382	279.8
	WNYO-TV	D16	DT	CP	BUFFALO, NY	BLANK00000034641	180.5
	W16BE-D	D16	LD	LIC	HORNELL, ALFRED, NY	BLDTL20120216ADJ	51.9
	W16AX-D	D16	DC	LIC	ITHACA, NY	BLANK00000001083	57.5
	WINP-TV	D16	DT	CP	PITTSBURGH, PA	BLANK00000034405	306.0
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK00000034255	146.3
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	222.3

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6321.5	240,863	5050.9	190,086	4677.0	183,343	4636.1 180,433	0.87 1.59

Undesired	Total IX	Unique IX, before	Unique IX, after
W26BF D17 LD APP	59.9	3,702	40.9 2,910
WNYS-TV D15 DT CP	13.1	202	2.0 34
WNYO-TV D16 DT CP	87.0	1,888	35.0 1,237
W16BE-D D16 LD LIC	23.0	362	7.0 67
W16AX-D D16 DC LIC	7.1	191	4.0 149
WINP-TV D16 DT CP	1.0	0	0.0 0
WNEP-TV D16 DT CP	292.6	4,524	221.5 3,390
CJOH-TV-6 D16 DT LIC	55.5	1,140	24.2 594

Interference to BLANK0000034255 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000034255	
Undesireds:	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	121.1 km
	WNYS-TV	D15	DT	CP	SYRACUSE, NY	BLANK0000034501	190.7
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLANK0000034641	215.3
	WCPB	D16	DT	CP	SALISBURY, MD	BLANK0000029877	311.8
	WNYO-TV	D16	DT	CP	BUFFALO, NY	BLANK0000034641	324.8
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000034441	246.5
	WINP-TV	D16	DT	CP	PITTSBURGH, PA	BLANK0000034405	353.9
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	137.5
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	343.3

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
44777.0	3,937,936	39221.2	3,313,294	38029.9	3,117,404	37996.9 3,116,929	0.09 0.02

Undesired	Total IX		Unique IX, before		Unique IX, after		
W26BF D17 LD APP	69.8	1,086			32.9	475	
WNYS-TV D15 DT CP	16.0	860	11.0	264	11.0	264	
WPSU-TV D15 DD LIC	2.0	0	2.0	0	2.0	0	
WCPB D16 DT CP	319.7	62,465	162.7	19,743	162.7	19,743	
WNYO-TV D16 DT CP	147.9	1,708	80.0	936	56.0	717	
WFNY-CD D16 DC CP	9.0	45	3.0	30	3.0	30	
WINP-TV D16 DT CP	152.3	5,029	115.2	2,154	115.2	2,154	
WPHL-TV D17 DT LIC	705.6	168,033	554.6	128,060	554.6	128,060	
CJOH-TV-6 D16 DT LIC	74.7	1,855	32.9	653	29.9	615	

Interference to BLCDT20030812ABK LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	
Undesireds:	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	119.1 km
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000034441	135.5
	W16AX-D	D16	DC	LIC	ITHACA, NY	BLANK0000001083	69.1
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	329.2
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000034606	7.0
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	157.7
	CITY-DT-3	D17	DT	LIC	OTTAWA, ON	BLANKCANADA199	255.2
	CIII-DT-41	D17	DT	LIC	TORONTO, ON	BLANKCANADA237	282.9

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23443.0	1,330,090	22002.3	1,244,675	21542.1	1,219,150	21322.9 1,214,560	1.02 0.38

Undesired	Total IX		Unique IX, before		Unique IX, after		
W26BF D17 LD APP	289.0	6,945			219.2	4,590	
WFNY-CD D16 DC CP	6.0	110	6.0	110	6.0	110	
W16AX-D D16 DC LIC	37.5	7,998	37.5	7,998	27.4	6,859	
WPHL-TV D17 DT LIC	48.6	568	44.5	564	31.4	416	
WTVH D18 DT CP	323.6	15,664	319.5	15,634	299.4	15,058	
CJOH-TV-6 D16 DT LIC	3.0	68	3.0	68	3.0	68	
CITY-DT-3 D17 DT LIC	14.2	9	14.2	9	14.2	9	
CIII-DT-41 D17 DT LIC	32.3	1,138	30.3	1,112	8.1	650	

Interference to BLCDT20090622AFJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WETM-TV	D18	DT	LIC	ELMIRA, NY	BLCDT20090622AFJ	
Undesireds:	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	11.0 km
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	116.2
	WMBC-TV	D18	DT	APP	NEWTON, NJ	BLANK0000035693	284.1
	WSYT	D19	DT	LIC	SYRACUSE, NY	BLCDT20050705AAM	102.2
	CFMT-DT	D18	DT	LIC	TORONTO, ON	BLANKCANADA239	266.8

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18533.9	721,610	16384.8	602,522	15959.7	588,536	15938.7 588,073	0.13 0.08

Undesired		Total IX	Unique IX, before	Unique IX, after
W26BF D17 LD APP	23.0	551		21.0 463
WSYR-TV D17 DT LIC	14.2	2,906	7.1 2,231	7.1 2,231
WMBC-TV D18 DT APP	46.2	708	42.1 566	40.1 478
WSYT D19 DT LIC	373.9	11,145	362.8 10,361	362.8 10,361
CFMT-DT D18 DT LIC	3.0	44	2.0 44	2.0 44

Interference to BLCDT20090622AFJ LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WETM-TV	D18	DT	LIC	ELMIRA, NY	BLCDT20090622AFJ	
Undesireds:	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	11.0 km
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	116.2
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	261.7
	WSYT	D19	DT	LIC	SYRACUSE, NY	BLCDT20050705AAM	102.2
	CFMT-DT	D18	DT	LIC	TORONTO, ON	BLANKCANADA239	266.8
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
18533.9 721,610	16384.8 602,522	15855.4 585,003	15833.4 584,537	0.14 0.08			

Undesired		Total IX	Unique IX, before	Unique IX, after
W26BF D17 LD APP	23.0	551		22.0 466
WSYR-TV D17 DT LIC	14.2	2,906	7.1 2,231	7.1 2,231
WMBC-TV D18 DD LIC	166.6	4,705	146.4 4,099	145.4 4,014
WSYT D19 DT LIC	373.9	11,145	348.7 9,897	348.7 9,897
CFMT-DT D18 DT LIC	3.0	44	2.0 44	2.0 44

Interference to proposal scenario 1
3.73% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W26BF	D17	LD	APP	ELMIRA, NY	W26BF 17 WENIsite 2p75	
Undesireds:	W16DR-D	D16	LD	CP	ELMIRA, NY	BNPDTL20100513ABR	27.2 km
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000034255	121.1
	WLIG-LP	D17	LD	CP	PLAINVIEW, ETC., NY	BDFCDTL20130603AUD	312.7
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	119.1
	WPHL-TV	D17	DT	LIC	PHILADELPHIA, PA	BLANK0000040408	256.3
Service area	Terrain-limited	IX-free	Percent IX				
5441.4 225,996	4394.8 175,617	4153.0 169,067	5.50 3.73				
Undesired		Total IX	Unique IX	Prcnt Unique IX			
W16DR-D D16 LD CP	143.6	5,108	117.6 4,611	2.68 2.63			
WNEP-TV D16 DT CP	1.0	0	0.0 0	0.00 0.00			
WSYR-TV D17 DT LIC	100.1	1,522	73.1 1,087	1.66 0.62			
WPHL-TV D17 DT LIC	38.1	599	14.1 249	0.32 0.14			