



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

tvstudy v2.2.3 (DAezul)

Database: localhost, Study: WFFF-D16 40 kW ERP OMNI (Maximization 1st PFW), Model: Longley-Rice

Start: 2017.09.05 05:59:35

Study created: 2017.09.05 05:59:05

Study build station data: LMS TV 2017-09-01 (40)

Proposal: WFFF-TV D16 DT BL BURLINGTON, VT

File number: DTVBL10132

Facility ID: 10132

Station data: User record

Record ID: 1114

Country: U.S.

Zone: II

Build options:

Protect records not on baseline channel

Search options:

Non-U.S. records included

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	196.8 km
WGME-TV	D15	DT	BL	PORTLAND, ME	DTVBL25683	196.9
WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	201.5
WFNY-CD	D16	DC	BL	GLOVERSVILLE, NY	DTVBL167948	201.5
WYCI	D17	DT	CP	SARANAC LAKE, NY	BLANK0000026588	106.2
WYCI	D17	DT	BL	SARANAC LAKE, NY	DTVBL77515	106.2
CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	341.4

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

Latitude: 44 31 33.19 N (NAD83)

Longitude: 72 48 55.44 W
Height AMSL: 1262.2 m
HAAT: 839.0 m
Peak ERP: 40.0 kW
Antenna: DIE TFU-4GTH-R O3 (OMNI)
Elev Pattnr: Generic
Elec Tilt: 1.00

38.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	40.0 kW	887.7 m	106.3 km
45.0	40.0	628.3	97.4
90.0	40.0	843.8	105.0
135.0	40.0	900.3	106.7
180.0	40.0	610.2	96.7
225.0	40.0	899.9	106.7
270.0	40.0	983.1	108.9
315.0	40.0	958.3	108.2

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 54.5 km

Distance to Mexican border: 2985.2 km

Conditions at FCC monitoring station: Belfast ME
Bearing: 90.4 degrees Distance: 296.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 271.0 degrees Distance: 2688.4 km

No land mobile station failures found

Study cell size: 2.00 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 BLANK0000027414 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	196.8 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	196.8
	WPTZ	D14	DT	LIC	PLATTSBURGH, NY	BLCDT20070116ACW	196.8
	CKMI-DT-1	D15	DT	LIC	MONTRAL, QC	BLANKCANADA274	301.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36869.5	1,318,395	33059.4	1,208,832	33043.3	1,208,778	33043.3 1,208,778	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WFFF-TV D16 DT BL		8.0	54	0.0	0		
WFFF-TV D16 DT BL		8.0	54			0.0 0	
WPTZ D14 DT LIC		12.0	54	4.0	0	4.0 0	
CKMI-DT-1 D15 DT LIC		4.0	0	4.0	0	4.0 0	

Interference to DTVBL25683 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGME-TV	D15	DT	BL	PORTLAND, ME	DTVBL25683	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	196.9 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	196.9
	WPTZ	D14	DT	LIC	PLATTSBURGH, NY	BLCDT20070116ACW	196.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36494.7	1,308,359	32713.4	1,201,543	32709.4	1,201,489	32709.4 1,201,489	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WFFF-TV D16 DT BL		4.0	54	0.0	0		

WFFF-TV D16 DT BL	4.0	54			0.0	0
WPTZ D14 DT LIC	4.0	54	0.0	0	0.0	0

Interference to BLANK0000027243 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000025543	246.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3165.6	125,169	2512.4		104,914	2492.5	104,702	0.48 0.12
Undesired		Total IX		Unique IX, before		Unique IX, after	
WFFF-TV D16 DT BL		8.0		212	8.0	212	
WFFF-TV D16 DT BL		20.0		335	20.0	335	
WNEP-TV D16 DT CP		11.9		0	11.9	0	

Interference to BLANK0000027243 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5
	WNEP-TV	D16	DT	BL	SCRANTON, PA	DTVBL73318	246.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3165.6	125,169	2512.4		104,914	2492.5	104,702	0.48 0.12
Undesired		Total IX		Unique IX, before		Unique IX, after	
WFFF-TV D16 DT BL		8.0		212	8.0	212	
WFFF-TV D16 DT BL		20.0		335	20.0	335	
WNEP-TV D16 DT BL		11.9		0	11.9	0	

Interference to DTVBL167948 BL, scenario 1

Desired:	Call WFNY-CD	Chan D16	Svc DC	Status BL	City, State GLOVERSVILLE, NY	File Number DTVBL167948	Distance
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000025543	246.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3185.5 125,263	2524.4 104,991	2504.5 104,779	2496.5 104,677	0.32 0.10

Undesired	Total IX	Unique IX, before	Unique IX, after
WFFF-TV D16 DT BL	8.0 212	8.0 212	
WFFF-TV D16 DT BL	16.0 314		16.0 314
WNEP-TV D16 DT CP	11.9 0	11.9 0	11.9 0

Interference to DTVBL167948 BL, scenario 2

Desired:	Call WFNY-CD	Chan D16	Svc DC	Status BL	City, State GLOVERSVILLE, NY	File Number DTVBL167948	Distance
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	201.5
	WNEP-TV	D16	DT	BL	SCRANTON, PA	DTVBL73318	246.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3185.5 125,263	2524.4 104,991	2504.5 104,779	2496.5 104,677	0.32 0.10

Undesired	Total IX	Unique IX, before	Unique IX, after
WFFF-TV D16 DT BL	8.0 212	8.0 212	
WFFF-TV D16 DT BL	16.0 314		16.0 314
WNEP-TV D16 DT BL	11.9 0	11.9 0	11.9 0

Interference to BLANK0000026588 CP, scenario 1

Desired:	Call WYCI	Chan D17	Svc DT	Status CP	City, State SARANAC LAKE, NY	File Number BLANK0000026588	Distance
----------	--------------	-------------	-----------	--------------	---------------------------------	--------------------------------	----------

Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	106.2 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	106.2
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	139.1
	WPFO	D17	DT	CP	WATERVILLE, ME	BLANK0000027647	328.5
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	217.6
	WWNY-CD	D18	DC	LIC	MASSENA, NY	BLDTL20101118ALZ	60.2
	CITY-DT-3	D17	DT	LIC	OTTAWA, ON	BLANKCANADA199	149.4
	CJNT-DT	D17	DT	LIC	MONTRAL, QC	BLANKCANADA281	136.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5003.4	34,169	3248.9	26,574	3069.5	26,235	3069.5	26,235	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WFFF-TV D16 DT BL	27.9	125	7.9	107
WFFF-TV D16 DT BL	31.8	217		7.9 107
WSYR-TV D17 DT LIC	91.6	159	43.8	140 39.8 48
WWNY-CD D18 DC LIC	27.9	0	19.9	0 19.9 0
CITY-DT-3 D17 DT LIC	75.8	69	44.0	37 44.0 37
CJNT-DT D17 DT LIC	31.9	37	12.0	5 12.0 5

Interference to DTVBL77515 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYCI	D17	DT	BL	SARANAC LAKE, NY	DTVBL77515	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	106.2 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	106.2
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	139.1
	WPFO	D17	DT	CP	WATERVILLE, ME	BLANK0000027647	328.5
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	217.6
	WWNY-CD	D18	DC	LIC	MASSENA, NY	BLDTL20101118ALZ	60.2
	CITY-DT-3	D17	DT	LIC	OTTAWA, ON	BLANKCANADA199	149.3
	CJNT-DT	D17	DT	LIC	MONTRAL, QC	BLANKCANADA281	136.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5007.4	34,169	3253.0	26,535	3077.6	26,196	3073.6	26,196	0.13 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
-----------	--	----------	-------------------	------------------

WFFF-TV D16 DT BL	23.9	125	4.0	107		
WFFF-TV D16 DT BL	31.8	217			7.9	107
WSYR-TV D17 DT LIC	91.6	159	43.8	140	39.8	48
WWNY-CD D18 DC LIC	27.9	0	19.9	0	19.9	0
CITY-DT-3 D17 DT LIC	75.8	69	44.0	37	44.0	37
CJNT-DT D17 DT LIC	31.9	37	12.0	5	12.0	5

Interference to BLANKCANADA170 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	
Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	341.4 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	341.4
	WNYS-TV	D15	DT	CP	SYRACUSE, NY	BLANK0000028459	157.0
	WNYO-TV	D16	DT	CP	BUFFALO, NY	BLANK0000027292	187.7
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	246.5
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000025543	343.3
	CIII-DT-4	D16	DT	LIC	OWEN SOUND, ON	BLANKCANADA208	314.0
	CITY-DT-2	D16	DT	LIC	WOODSTOCK, ON	BLANKCANADA246	321.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5274.4	28,778	5274.4	28,778	5159.8	28,778	5159.8	28,778	0.00	0.00
(in U.S.)									
18660.4	434,562	18524.6	428,378	17850.7	404,658	17850.7	404,658	0.00	0.00

Undesired		Total IX	Unique IX, before	Unique IX, after	
WFFF-TV D16 DT BL	7.9	0	0.0	0	
WFFF-TV D16 DT BL	7.9	0		0.0	0
WNYO-TV D16 DT CP	114.6	0	114.6	0	114.6 0 (in U.S.)
WNYO-TV D16 DT CP	673.9	23,720	650.0	23,198	650.0 23,198
CIII-DT-4 D16 DT LIC	16.0	522	0.0	0	0.0 0
CITY-DT-2 D16 DT LIC	4.0	522	0.0	0	0.0 0

Interference to BLANKCANADA170 LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	

Undesireds:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	341.4 km
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	341.4
	WNYS-TV	D15	DT	CP	SYRACUSE, NY	BLANK0000028459	157.0
	WNYO-TV	D16	DT	BL	BUFFALO, NY	DTVBL67784	187.7
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	246.5
	WNEP-TV	D16	DT	CP	SCRANTON, PA	BLANK0000025543	343.3
	CIII-DT-4	D16	DT	LIC	OWEN SOUND, ON	BLANKCANADA208	314.0
	CITY-DT-2	D16	DT	LIC	WOODSTOCK, ON	BLANKCANADA246	321.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	5274.4	28,778	5274.4	28,778	5159.8	28,778	5159.8	28,778	0.00 0.00
(in U.S.)									
	18660.4	434,562	18524.6	428,378	17846.7	404,658	17846.7	404,658	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after	
WFFF-TV D16 DT BL	7.9	0	0.0	0	
WFFF-TV D16 DT BL	7.9	0		0.0	0
WNYO-TV D16 DT BL	114.6	0	114.6	0	114.6 0 (in U.S.)
WNYO-TV D16 DT BL	677.9	23,720	654.0	23,198	654.0 23,198
CIII-DT-4 D16 DT LIC	16.0	522	0.0	0	0.0 0
CITY-DT-2 D16 DT LIC	4.0	522	0.0	0	0.0 0

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	
Undesireds:	WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	196.8 km
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	201.5
	WYCI	D17	DT	CP	SARANAC LAKE, NY	BLANK0000026588	106.2
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	341.4

	Service area		Terrain-limited		IX-free		Percent IX
	28043.0	633,649	23843.1	552,182	23739.1	551,869	0.44 0.06
	6393.3	364,165	5798.6	350,287	5782.5	349,773	0.28 0.15 (in Canada)

Undesired		Total IX	Unique IX	Prcnt Unique IX
WFNY-CD D16 DC CP	8.0	0	4.0	0 0.02 0.00

WYCI D17 DT CP	23.9	0	15.9	0	0.07	0.00	
CJOH-TV-6 D16 DT LIC	84.1	313	72.1	313	0.30	0.06	
CJOH-TV-6 D16 DT LIC	16.1	514	16.1	514	0.28	0.15	(in Canada)

Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	
Undesireds:	WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	196.8 km
	WFNY-CD	D16	DC	BL	GLOVERSVILLE, NY	DTVBL167948	201.5
	WYCI	D17	DT	CP	SARANAC LAKE, NY	BLANK0000026588	106.2
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	341.4

Service area		Terrain-limited		IX-free		Percent IX	
28043.0	633,649	23843.1	552,182	23739.1	551,869	0.44	0.06
6393.3	364,165	5798.6	350,287	5782.5	349,773	0.28	0.15 (in Canada)

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WFNY-CD D16 DC BL	8.0	0	4.0	0	0.02	0.00	
WYCI D17 DT CP	23.9	0	15.9	0	0.07	0.00	
CJOH-TV-6 D16 DT LIC	84.1	313	72.1	313	0.30	0.06	
CJOH-TV-6 D16 DT LIC	16.1	514	16.1	514	0.28	0.15	(in Canada)

Interference to proposal, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	
Undesireds:	WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	196.8 km
	WFNY-CD	D16	DC	CP	GLOVERSVILLE, NY	BLANK0000027243	201.5
	WYCI	D17	DT	BL	SARANAC LAKE, NY	DTVBL77515	106.2
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	341.4

Service area		Terrain-limited		IX-free		Percent IX	
28043.0	633,649	23843.1	552,182	23739.1	551,869	0.44	0.06
6393.3	364,165	5798.6	350,287	5782.5	349,773	0.28	0.15 (in Canada)

Undesired			Total IX		Unique IX	Prcnt Unique IX	
WFNY-CD D16 DC CP	8.0		0	4.0	0	0.02	0.00
WYCI D17 DT BL	23.9		0	15.9	0	0.07	0.00
CJOH-TV-6 D16 DT LIC	84.1		313	72.1	313	0.30	0.06
CJOH-TV-6 D16 DT LIC	16.1		514	16.1	514	0.28	0.15 (in Canada)

Interference to proposal, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFFF-TV	D16	DT	BL	BURLINGTON, VT	DTVBL10132	
Undesireds:	WGME-TV	D15	DT	CP	PORTLAND, ME	BLANK0000027414	196.8 km
	WFNY-CD	D16	DC	BL	GLOVERSVILLE, NY	DTVBL167948	201.5
	WYCI	D17	DT	BL	SARANAC LAKE, NY	DTVBL77515	106.2
	CJOH-TV-6	D16	DT	LIC	DESERONTO, ON	BLANKCANADA170	341.4

	Service area		Terrain-limited		IX-free		Percent IX
28043.0	633,649	23843.1	552,182	23739.1	551,869	0.44	0.06
6393.3	364,165	5798.6	350,287	5782.5	349,773	0.28	0.15 (in Canada)

Undesired			Total IX		Unique IX	Prcnt Unique IX	
WFNY-CD D16 DC BL	8.0		0	4.0	0	0.02	0.00
WYCI D17 DT BL	23.9		0	15.9	0	0.07	0.00
CJOH-TV-6 D16 DT LIC	84.1		313	72.1	313	0.30	0.06
CJOH-TV-6 D16 DT LIC	16.1		514	16.1	514	0.28	0.15 (in Canada)