

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W19EO-D WECY-LD Higgman Hill, Model: Longley-Rice
Start: 2021.07.19 21:28:58

Study created: 2021.07.19 21:28:57

Study build station data: LMS TV 2021-07-16

Proposal: WECY-LD D19 LD APP CORNING, NY
File number: W19EO-D WECY-LD Higgman Hill
Facility ID: 125480
Station data: User record
Record ID: 189
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	WDTB-LD	D18	LD	CP	HAMBURG, NY	BLANK0000120384	168.7 km
No	WTVH	D18	DT	LIC	SYRACUSE, NY	BLANK0000136484	118.9
No	W19DY-D	D19	LD	CP	CRESAPTOWN, MD	BMPDTL20121012AAA	292.4
No	WYPX-TV	D19	DT	LIC	AMSTERDAM, NY	BLANK0000080167	258.5
Yes	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061	51.9
Yes	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	118.9
No	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTL20080804ADM	227.7
No	WTKJ-LP	D19	LD	CP	WATERTOWN, NY	BDFCDTL20090616ACF	227.7
No	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	391.4
No	WSPZ-LD	D19	LD	LIC	DUBOIS, PA	BLANK0000146397	155.0
No	WEPA-LD	D19	LD	CP	ERIE, PA	BNPDTL20100714ACL	247.6
No	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	290.6
Yes	W20BL-D	D20	LD	LIC	BATH, NY	BLDTL20120315AAG	22.0
No	WBGH-CD	D20z	DC	LIC	BINGHAMTON, NY	BLANK0000004524	94.0
No	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	111.1
No	WWHC-LD	D20	LD	LIC	OLEAN, NY	BLANK0000118115	125.8
No	WWHC-LD	D20	LD	CP	OLEAN, NY	BLANK0000130608	137.7
No	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTL20121029AAV	117.9
No	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	118.9
Yes	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	44.3
No	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	70.8
No	W20AD-D	D20	LD	LIC	WILLIAMSPORT, PA	BLDTT20090810AAD	99.4
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	23.8
No	CJMT-DT-1	D19	DT	LIC	LONDON, ON	BLANKCANADA187	361.7
No	CKWS-TV-3	D19	DT	LIC	SMITHS FALLS, ON	BLANKCANADA221	329.4
No	CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	251.4
No	CBFT-DT	D19	DT	LIC	MONTRAL, QC	BLANKCANADA275	466.7
No	CBLT-DT	D20	DT	LIC	TORONTO, ON	BLANKCANADA234	251.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Stringent
Latitude: 42 8 31.00 N (NAD83)
Longitude: 77 4 39.00 W
Height AMSL: 530.3 m
HAAT: 0.0 m
Peak ERP: 0.800 kW
Antenna: SCA 4DR 4S 50.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.216 kW	58.1 m	17.8 km
45.0	0.784	166.7	34.7
90.0	0.370	208.2	33.1
135.0	0.003	69.7	6.9
180.0	0.000	60.4	3.6
225.0	0.010	107.9	11.0
270.0	0.000	109.6	5.4
315.0	0.002	217.1	9.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 125 m

Proposal 24.25 dBu contour does not cross Canadian border
Distance to Canadian border: 167.1 km

Distance to Mexican border: 2550.6 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 349.9 degrees Distance: 87.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.1 degrees Distance: 2355.5 km

No land mobile station failures found

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 BLANK0000053061 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061			
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	51.9 km		
	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	146.5		
	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTL20080804ADM	240.1		
	WSPZ-LD	D19	LD	LIC	DUBOIS, PA	BLANK0000146397	154.6		
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	67.0		
	CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	204.8		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
6894.7		168,252		4983.6		4915.8	1.36		
		5324.2		102,107		97,289	1.56		
Undesired				Total IX	Unique IX, before	Unique IX, after			
WECY-LD D19 LD APP				86.7	1,634	67.8	1,519		
WSTM-TV D19 DT LIC				310.3	4,242	282.3	3,952		
WSPZ-LD D19 LD LIC				8.1	102	3.0	42		
CICA-DT D19 DT LIC				36.3	707	24.2	476		

Interference to BLANK0000136480 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	118.9 km
	WYPX-TV	D19	DT	LIC	AMSTERDAM, NY	BLANK0000080167	176.1
	CKWS-TV-3	D19	DT	LIC	SMITHS FALLS, ON	BLANKCANADA221	229.8
	CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	275.6
	CBFT-DT	D19	DT	LIC	MONTRAL, QC	BLANKCANADA275	348.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27414.0 1,455,490	25826.8 1,367,093	25403.3 1,356,827	25356.1 1,356,077	0.19 0.06
37.6 0	37.6 0	37.6 0	37.6 0	0.00 0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	58.4 1,189		47.2 750
WYPX-TV D19 DT LIC	371.9 9,188	335.7 8,017	333.7 8,015
CKWS-TV-3 D19 DT LIC	17.2 59	4.1 15	4.1 15
CICA-DT D19 DT LIC	22.2 1,243	15.1 822	6.0 385
CBFT-DT D19 DT LIC	66.6 1,162	24.3 48	24.3 48

Interference to BLDLTL20120315AAG LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W20BL-D	D20	LD	LIC	BATH, NY	BLDLTL20120315AAG	
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	22.0 km
	WNGJ-LP	D20	LD	APP	OGDENSBURG, NY	BLANK0000152606	296.6
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	102.8
	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTL20121029AAV	96.5
	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	114.6
	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	65.8
	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	92.5
	CBLT-DT	D20	DT	LIC	TORONTO, ON	BLANKCANADA234	230.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3194.2 85,757	2493.1 55,945	2151.9 51,758	2151.9 51,758	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	8.0 92		0.0 0
WAWW-LP N20- TX LIC	1.0 0	0.0 0	0.0 0
WCNY-TV D20 DT LIC	177.3 1,858	104.8 1,162	103.8 1,162
W20CP-D D20 LD LIC	225.4 2,818	128.8 1,855	127.8 1,804
W20EI-D D20 LD LIC	61.3 772	7.0 198	7.0 198
CBLT-DT D20 DT LIC	6.0 22	1.0 0	0.0 0

Interference to BLDLTL20120315AAG LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W20BL-D	D20	LD	LIC	BATH, NY	BLDLTL20120315AAG	
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	22.0 km
	WNGJ-LP	D20	LD	APP	OGDENSBURG, NY	BLANK0000152606	296.6
	WWHC-LD	D20	LD	LIC	OLEAN, NY	BLANK0000118115	110.4
	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTL20121029AAV	96.5
	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	114.6
	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	65.8
	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	92.5
	CBLT-DT	D20	DT	LIC	TORONTO, ON	BLANKCANADA234	230.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3194.2 85,757	2493.1 55,945	2149.8 51,742	2149.8 51,742	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	8.0 92		0.0 0
WWHC-LD D20 LD LIC	6.1 88	2.0 16	2.0 16
WAWW-LP N20- TX LIC	1.0 0	0.0 0	0.0 0
WCNY-TV D20 DT LIC	177.3 1,858	104.8 1,162	103.8 1,162
W20CP-D D20 LD LIC	225.4 2,818	127.8 1,825	126.8 1,774
W20EI-D D20 LD LIC	61.3 772	7.0 198	7.0 198
CBLT-DT D20 DT LIC	6.0 22	1.0 0	0.0 0

Interference to BLDLTL20120315AAG LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W20BL-D	D20	LD	LIC	BATH, NY	BLDLTL20120315AAG	

Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	22.0 km
	WNGJ-LP	D20	LD	APP	OGDENSBURG, NY	BLANK0000152606	296.6
	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTL20121029AAV	96.5
	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	114.6
	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	65.8
	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	92.5
	CBLT-DT	D20	DT	LIC	TORONTO, ON	BLANKCANADA234	230.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3194.2 85,757	2493.1 55,945	2151.9 51,758	2151.9 51,758	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	8.0 92	0.0 0	0.0 0
WAWW-LP N20- TX LIC	1.0 0	0.0 0	0.0 0
WCNY-TV D20 DT LIC	177.3 1,858	104.8 1,162	103.8 1,162
W20CP-D D20 LD LIC	225.4 2,818	128.8 1,855	127.8 1,804
W20EI-D D20 LD LIC	61.3 772	7.0 198	7.0 198
CBLT-DT D20 DT LIC	6.0 22	1.0 0	0.0 0

Interference to BLANK0000091020 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	44.3 km
	W20BL-D	D20	LD	LIC	BATH, NY	BLDTL20120315AAG	65.8
	WBGH-CD	D20z	DC	LIC	BINGHAMTON, NY	BLANK0000004524	87.9
	WNGJ-LP	D20	LD	APP	OGDENSBURG, NY	BLANK0000152606	342.6
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	127.8
	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	147.5
	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	293.6
	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	37.6
	WAZT-CD	D20	DC	LIC	WOODSTOCK, VA	BLANK0000150120	307.4
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
5300.2 175,860	3940.5 82,723	3468.3 75,334	3465.3 74,744	0.09 0.78			

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	5.0 650	3.0 590	3.0 590
W20BL-D D20 LD LIC	148.6 2,473	46.9 1,321	44.9 1,261
WBGH-CD D20z DC LIC	12.0 151	1.0 0	1.0 0
WCNY-TV D20 DT LIC	49.1 583	20.1 145	20.1 145
WPGH-TV D20 DT LIC	3.0 61	0.0 0	0.0 0
W20EI-D D20 LD LIC	393.3 5,741	280.6 4,429	280.6 4,429

Interference to BLANK0000091020 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	
Undesireds:	WECY-LD	D19	LD	APP	CORNING, NY	W19EO-D WECY-LD Higgma	44.3 km
	WBGH-CD	D20z	DC	LIC	BINGHAMTON, NY	BLANK0000004524	87.9
	WNGJ-LP	D20	LD	APP	OGDENSBURG, NY	BLANK0000152606	342.6
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	127.8
	WCNY-TV	D20	DT	LIC	SYRACUSE, NY	BLANK0000105277	147.5
	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	293.6
	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	37.6
	WAZT-CD	D20	DC	LIC	WOODSTOCK, VA	BLANK0000150120	307.4
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
5300.2 175,860	3940.5 82,723	3515.1 76,655	3510.2 76,005	0.14 0.85			

Undesired	Total IX	Unique IX, before	Unique IX, after
WECY-LD D19 LD APP	5.0 650	5.0 650	5.0 650
WBGH-CD D20z DC LIC	12.0 151	1.0 0	1.0 0
WCNY-TV D20 DT LIC	49.1 583	26.1 218	26.1 218
WPGH-TV D20 DT LIC	3.0 61	0.0 0	0.0 0
W20EI-D D20 LD LIC	393.3 5,741	367.4 5,382	367.4 5,382

Interference to proposal scenario 1

Desired:	Call WECY-LD	Chan D19	Svc LD	Status APP	City, State CORNING, NY	File Number W19EO-D WECY-LD Higgma	Distance
Undesireds:	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	118.9 km
	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTL20080804ADM	227.7
	WSPZ-LD	D19	LD	LIC	DUBOIS, PA	BLANK0000146397	155.0
	W20BL-D	D20	LD	LIC	BATH, NY	BLDTL20120315AAG	22.0
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	111.1

	Service area		Terrain-limited		IX-free		Percent IX
	835.5	102,384	656.8	56,517	629.0	56,173	4.24 0.61
Undesired			Total IX		Unique IX		Prcnt Unique IX
WSTM-TV D19 DT LIC		24.9	249	23.9	227	3.63	0.40
WSPZ-LD D19 LD LIC		2.0	89	1.0	67	0.15	0.12
W20BL-D D20 LD LIC		2.0	28	2.0	28	0.30	0.05

Interference to proposal scenario 2
3.02% interference received

Desired:	Call WECY-LD	Chan D19	Svc LD	Status APP	City, State CORNING, NY	File Number W19EO-D WECY-LD Higgma	Distance
Undesireds:	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061	51.9 km
	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	118.9
	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTL20080804ADM	227.7
	WSPZ-LD	D19	LD	LIC	DUBOIS, PA	BLANK0000146397	155.0
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	111.1

	Service area		Terrain-limited		IX-free		Percent IX
	835.5	102,384	656.8	56,517	584.2	54,813	11.06 3.02
Undesired			Total IX		Unique IX		Prcnt Unique IX
W20BL-D D19 LD CP		55.7	1,534	46.8	1,388	7.12	2.46
WSTM-TV D19 DT LIC		24.9	249	15.9	148	2.42	0.26
WSPZ-LD D19 LD LIC		2.0	89	0.0	0	0.00	0.00