

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WYTV-D31 APP (1.5BT No El Pat), Model: Longley-Rice
Start: 2018.06.18 10:46:17

Study created: 2018.06.18 10:28:37

Study build station data: LMS TV 2018-06-17

Proposal: WYTV D31 DT APP YOUNGSTOWN, OH
File number: BLANK0000034845
Facility ID: 4693
Station data: User record
Record ID: 1950
Country: U.S.
Zone: I

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	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	169.0 km
Yes	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	88.8
Yes	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	88.8
No	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	383.3
No	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	466.7
No	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	411.9
No	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	260.5
Yes	WMYD	D31	DT	APP	DETROIT, MI	BLANK0000034676	260.5
No	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	406.5
Yes	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	261.5
Yes	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	261.5
Yes	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	339.9
Yes	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	193.0
No	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	470.3
Yes	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	347.2
No	WDIV-TV	D32	DT	CP	DETROIT, MI	BLANK0000027872	264.9
No	WNLO	D32	DT	APP	BUFFALO, NY	BLANK0000036123	260.7

No	WNLO	D32	DT	LIC	BUFFALO, NY	BLANK0000053502	261.5
No	WOUB-TV	D32	DT	CP	ATHENS, OH	BLANK0000025156	232.0
No	WMVH-CD	D32	DC	CP	CHARLEROI, PA	BLANK0000027843	121.5
No	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK0000027841	97.9
No	CITS-DT-2	D30	DT	LIC	LONDON, ON	BLANKCANADA185	219.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Latitude: 41 3 23.40 N (NAD83)
Longitude: 80 38 43.00 W
Height AMSL: 763.9 m
HAAT: 437.1 m
Peak ERP: 703 kW
Antenna: Dielectric-TFU-25ETT/VP-R 4C160 (ID 1003345) 0.0 deg
Elev Pattnr: Generic
Elec Tilt: 1.50

40.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	689 kW	450.4 m	108.2 km
45.0	401	444.1	102.3
90.0	40.5	441.6	84.3
135.0	59.1	414.0	85.5
180.0	450	421.2	101.5
225.0	703	425.2	106.2
270.0	648	445.7	107.2
315.0	641	454.8	107.9

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 137.3 km

Distance to Mexican border: 2244.1 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 52.4 degrees Distance: 347.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 275.3 degrees Distance: 2069.8 km

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 BLANK0000029758 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	88.8 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	88.8
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	94.8
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	34.5
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	181.0
	WBVD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	0.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	8725.7	2,158,749	8252.2	2,067,067	2637.8	591,575	2637.8	591,575	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WYTV D31 DT BL	0.0	0	0.0	0
WYTV D31 DT APP	36.0	4,390		0.0 0
WNEO D29 DT CP	16.0	1,902	0.0	0 0.0 0
WWAT-CD D29 DC CP	96.8	18,136	4.0	24 4.0 24
WHIZ-TV D30 DT CP	48.2	5,485	0.0	0 0.0 0
WBVD-CD D30 DC BL	5610.4	1,475,468	5453.5	1,449,969 5429.5 1,447,352

Interference to DTVBL68395 BL scenario 1

Desired:	Call WBYP-CD	Chan D30	Svc DC	Status BL	City, State PITTSBURGH, PA	File Number DTVBL68395	Distance
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	88.8 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	88.8
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	34.5
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	181.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6709.5 1,974,699	6280.3 1,871,930	1936.2 509,861	1936.2 509,861	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WYTV D31 DT BL	0.0 0	0.0 0	
WYTV D31 DT APP	16.0 2,470		0.0 0
WWAT-CD D29 DC CP	52.4 10,669	4.0 149	4.0 149
WHIZ-TV D30 DT CP	20.0 2,054	0.0 0	0.0 0
WPTG-CD D30 DC CP	4340.1 1,361,920	4271.7 1,349,346	4259.7 1,347,380

Interference to BLANK0000034676 APP scenario 1

Desired:	Call WMYD	Chan D31	Svc DT	Status APP	City, State DETROIT, MI	File Number BLANK0000034676	Distance
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	260.8 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	260.5
	WNEM-TV	D30	DT	CP	BAY CITY, MI	BLANK0000024833	126.1
	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	265.7
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	353.1
	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	316.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21721.5 5,750,989	21709.5 5,750,873	21020.8 5,655,081	21016.8 5,654,890	0.02 0.00
6197.9 536,761	6197.9 536,761	6197.9 536,761	6197.9 536,761	0.00 0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
WYTV D31 DT BL	0.0 0	0.0 0	

WYTV D31 DT APP	4.0	191			4.0	191
WNEM-TV D30 DT CP	684.7	95,737	684.7	95,737	684.7	95,737
WNIT D31 DT CP	4.0	55	0.0	0	0.0	0
WDTN D31 DT BL	4.0	55	0.0	0	0.0	0

Interference to BLANK0000034601 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	260.5 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	261.5
	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	353.1
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.3
	WWTI	D31	DT	CP	WATERTOWN, NY	BLANK0000028475	275.0
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	276.5
	WNLO	D32	DT	APP	BUFFALO, NY	BLANK0000036123	0.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	15753.6	1,430,837	15013.0	1,412,903	14725.1	1,402,313	14705.1	1,402,196	0.14 0.01
	10744.7	4,310,604	10724.9	4,283,625	10692.9	4,253,662	10692.9	4,253,662	0.00 0.00

(in Canada)

Undesired		Total IX	Unique IX, before	Unique IX, after	
WYTV D31 DT BL	47.9	796	27.9	384	
WYTV D31 DT APP	87.9	995			48.0 501
WSKG-TV D31 DT CP	28.1	386	16.1	123	16.1 123
WWTI D31 DT CP	75.9	7,625	67.8	7,501	67.8 7,501
WATM-TV D31 DT CP	80.0	1,166	48.0	600	36.0 573
WNLO D32 DT APP	96.0	1,340	88.0	1,259	84.0 1,208
WNLO D32 DT APP	31.9	29,963	31.9	29,963	31.9 29,963 (in Canada)

Interference to BLANK0000034601 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	260.5 km

WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	261.5
WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	353.1
WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.3
WWTI	D31	DT	CP	WATERTOWN, NY	BLANK0000028475	275.0
WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	276.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
15753.6	1,430,837	15013.0	1,412,903	14813.1	1,403,572	14789.1	1,403,404	0.16	0.01
10744.7	4,310,604	10724.9	4,283,625	10724.9	4,283,625	10724.9	4,283,625	0.00	0.00

(in Canada)

Undesired		Total IX		Unique IX, before		Unique IX, after	
WYTV D31 DT BL	47.9	796	31.9	461			
WYTV D31 DT APP	87.9	995			55.9	629	
WSKG-TV D31 DT CP	28.1	386	16.1	123	16.1	123	
WWTI D31 DT CP	75.9	7,625	67.8	7,501	67.8	7,501	
WATM-TV D31 DT CP	80.0	1,166	52.0	604	36.0	573	

Interference to BLANK0000026684 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	260.5 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	261.5
	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	353.1
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.3
	WWTI	D31	DT	CP	WATERTOWN, NY	BLANK0000028475	275.0
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	276.5
	WNLO	D32	DT	APP	BUFFALO, NY	BLANK0000036123	0.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
13474.8	1,366,927	13094.2	1,352,321	12830.3	1,346,374	12830.3	1,346,374	0.00	0.00
8663.5	2,545,826	8659.5	2,537,410	8595.6	2,517,398	8595.6	2,517,398	0.00	0.00

(in Canada)

Undesired		Total IX		Unique IX, before		Unique IX, after	
WYTV D31 DT BL	32.0	389	20.0	237			
WYTV D31 DT APP	40.0	648			20.0	237	

WSKG-TV D31 DT CP	20.1	202	4.0	60	4.0	60	
WWTI D31 DT CP	43.9	2,831	31.9	2,666	31.9	2,666	
WATM-TV D31 DT CP	72.1	1,245	40.0	853	32.0	594	
WNLO D32 DT APP	135.9	1,739	132.0	1,688	132.0	1,688	
WNLO D32 DT APP	63.9	20,012	63.9	20,012	63.9	20,012	(in Canada)

Interference to BLANK0000026684 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	260.5 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	261.5
	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	353.1
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.3
	WWTI	D31	DT	CP	WATERTOWN, NY	BLANK0000028475	275.0
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	276.5

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	13474.8	1,366,927	13094.2	1,352,321	12962.2	1,348,062	12962.2	1,348,062	0.00 0.00
	8663.5	2,545,826	8659.5	2,537,410	8659.5	2,537,410	8659.5	2,537,410	0.00 0.00

(in Canada)

Undesired		Total IX	Unique IX, before	Unique IX, after
WYTV D31 DT BL	32.0	389	24.0	288
WYTV D31 DT APP	40.0	648		24.0 288
WSKG-TV D31 DT CP	20.1	202	4.0	60 4.0 60
WWTI D31 DT CP	43.9	2,831	31.9	2,666 31.9 2,666
WATM-TV D31 DT CP	72.1	1,245	40.0	853 32.0 594

Interference to DTVBL65690 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	340.9 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	339.9
	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	266.3

WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	316.6
WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	332.6
WOCB-CD	D32	DC	BL	MARION, OH	DTVBL9939	122.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29949.4	3,660,328	29657.4	3,650,313	29473.1	3,646,007	29449.1	3,645,737	0.08	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
WYTV D31 DT BL	20.1	576	0.0	0		
WYTV D31 DT APP	132.3	2,875			24.0	270
WNIT D31 DT CP	20.0	393	0.0	0	0.0	0
WMYD D31 DT CP	156.4	3,684	116.3	2,715	44.1	926
WOAY-TV D31 DT CP	19.9	540	19.9	540	15.9	535
WOCB-CD D32 DC BL	8.0	82	8.0	82	8.0	82

Interference to DTVBL65690 BL scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	340.9 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	339.9
	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	266.3
	WMYD	D31	DT	APP	DETROIT, MI	BLANK0000034676	316.6
	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	332.6
	WOCB-CD	D32	DC	BL	MARION, OH	DTVBL9939	122.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29949.4	3,660,328	29657.4	3,650,313	29449.0	3,645,220	29429.1	3,645,017	0.07	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
WYTV D31 DT BL	20.1	576	0.0	0		
WYTV D31 DT APP	132.3	2,875			20.0	203
WNIT D31 DT CP	20.0	393	0.0	0	0.0	0
WMYD D31 DT APP	184.5	4,543	140.4	3,502	64.1	1,646
WOAY-TV D31 DT CP	19.9	540	19.9	540	15.9	535
WOCB-CD D32 DC BL	8.0	82	4.0	10	4.0	10

Interference to BLANK0000028661 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	192.3 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	23383.7	893,989	19245.2	749,183	18690.7	742,587	-0.00 0.02
Undesired			Total IX		Unique IX, before		Unique IX, after
WYTV D31 DT BL			168.5	2,564	96.1	1,989	
WYTV D31 DT APP			168.5	3,134			96.1 2,135
WETA-TV D31 DT CP			305.6	3,181	197.2	1,964	189.2 1,786
WMPT D31 DT BL			120.6	970	20.2	119	24.2 121
WSKG-TV D31 DT CP			24.2	31	8.0	31	8.0 31
WNED-TV D31 DT APP			40.4	369	4.1	127	4.1 0
WTFX-TV D31 DT CP			80.3	954	24.0	412	24.0 412
WHP-TV D32 DT CP			80.2	960	32.0	303	32.0 303

Interference to BLANK0000028661 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	192.3 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9

WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5	
Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23383.7	893,989	19245.2	749,183	18690.7	742,587	18694.8 742,441	-0.02 0.02
Undesired				Total IX	Unique IX, before	Unique IX, after	
WYTV D31 DT BL	168.5			2,564	108.3 2,000		
WYTV D31 DT APP	168.5			3,134		104.2 2,146	
WETA-TV D31 DT CP	305.6			3,181	197.2 1,964	189.2 1,786	
WMPT D31 DT BL	120.6			970	20.2 119	24.2 121	
WSKG-TV D31 DT CP	24.2			31	8.0 31	8.0 31	
WNED-TV D31 DT CP	20.3			214	4.1 127	0.0 0	
WTFX-TV D31 DT CP	80.3			954	24.0 412	24.0 412	
WHP-TV D32 DT CP	80.2			960	32.0 303	32.0 303	

Interference to BLANK0000028661 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	192.3 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23383.7	893,989	19245.2	749,183	18682.7	742,587	18682.7 742,441	-0.00 0.02
Undesired				Total IX	Unique IX, before	Unique IX, after	
WYTV D31 DT BL	168.5			2,564	96.1 1,989		
WYTV D31 DT APP	168.5			3,134		96.1 2,135	
WETA-TV D31 DT CP	305.6			3,181	197.2 1,964	189.2 1,786	
WMPT D31 DT BL	120.6			970	20.2 119	24.2 121	
WSKG-TV D31 DT CP	24.2			31	8.0 31	8.0 31	
WNED-TV D31 DT APP	40.4			369	4.1 127	4.1 0	

WTFX-TV D31 DT CP	80.3	954	20.0	304	20.0	304
WHP-TV D32 DT APP	92.2	1,068	40.1	303	40.1	303

Interference to BLANK0000028661 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	192.3 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23383.7	893,989	19245.2	749,183	18682.7
		742,587	18686.8	742,441
			-0.02	0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WYTV D31 DT BL	168.5	2,564	108.3
WYTV D31 DT APP	168.5	3,134	104.2
WETA-TV D31 DT CP	305.6	3,181	189.2
WMPT D31 DT BL	120.6	970	24.2
WSKG-TV D31 DT CP	24.2	31	8.0
WNED-TV D31 DT CP	20.3	214	0.0
WTFX-TV D31 DT CP	80.3	954	20.0
WHP-TV D32 DT APP	92.2	1,068	40.1

Interference to BLANK0000028013 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	
Undesireds:	WYTV	D31	DT	BL	YOUNGSTOWN, OH	DTVBL4693	347.9 km
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	347.2
	WDBJ	D30	DT	CP	ROANOKE, VA	BLANK0000029919	121.8

WGHP	D31	DT	CP	HIGH POINT, NC	BLANK0000034212	265.2
WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	332.6
WBXX-TV	D31	DT	CP	CROSSVILLE, TN	BLANK0000025087	349.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19257.1	571,891	15937.8	430,783	15754.8	423,459	15718.6	423,158	0.23	0.07

Undesired				Total IX	Unique IX, before		Unique IX, after	
WYTV	D31	DT	BL	0.0	0	0.0	0	
WYTV	D31	DT	APP	40.2	530			36.2 301
WDBJ	D30	DT	CP	8.0	17	8.0	17	8.0 17
WGHP	D31	DT	CP	99.3	2,128	95.3	2,128	95.3 2,128
WDTN	D31	DT	BL	51.9	4,543	51.9	4,543	47.8 4,314
WBXX-TV	D31	DT	CP	27.8	636	23.9	636	23.9 636

Interference to proposal scenario 1

**MX: 8.31% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	
Undesireds:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	88.8 km
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	88.8
	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	260.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	261.5
	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	339.9
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	193.0
	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	347.2

Service area		Terrain-limited		IX-free		Percent IX	
32079.2	4,898,622	30913.2	4,535,576	29755.8	4,158,655	3.74	8.31

Undesired				Total IX	Unique IX		Prcnt Unique IX	
WPTG-CD	D30	DC	CP	116.2	89,164	16.0	12,971	0.05 0.29
WBYD-CD	D30	DC	BL	92.1	71,750	0.0	0	0.00 0.00
WMYD	D31	DT	CP	515.4	247,090	246.0	157,222	0.80 3.47
WNED-TV	D31	DT	APP	542.1	72,898	341.0	21,778	1.10 0.48
WDTN	D31	DT	BL	140.8	52,787	16.1	1,157	0.05 0.03
WATM-TV	D31	DT	CP	204.7	29,547	124.4	17,008	0.40 0.37

WOAY-TV D31 DT CP	16.1	225	0.0	0	0.00	0.00
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Interference to proposal scenario 2
7.90% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	
Undesireds:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	88.8 km
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	88.8
	WMYD	D31	DT	CP	DETROIT, MI	BLANK0000026818	260.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	261.5
	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	339.9
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	193.0
	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	347.2

	Service area		Terrain-limited		IX-free		Percent IX
	32079.2	4,898,622	30913.2	4,535,576	29972.5	4,177,232	3.04 7.90

Undesired				Total IX		Unique IX	Prcnt Unique IX
WPTG-CD D30 DC CP		116.2		89,164	16.0	12,971	0.05 0.29
WBYD-CD D30 DC BL		92.1		71,750	0.0	0	0.00 0.00
WMYD D31 DT CP		515.4		247,090	290.3	178,048	0.94 3.93
WNED-TV D31 DT CP		252.8		21,121	124.3	3,201	0.40 0.07
WDTN D31 DT BL		140.8		52,787	16.1	1,157	0.05 0.03
WATM-TV D31 DT CP		204.7		29,547	136.5	17,224	0.44 0.38
WOAY-TV D31 DT CP		16.1		225	0.0	0	0.00 0.00

Interference to proposal scenario 3
**MX: 10.57% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	
Undesireds:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	88.8 km
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	88.8
	WMYD	D31	DT	APP	DETROIT, MI	BLANK0000034676	260.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	261.5

WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	339.9
WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	193.0
WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	347.2

Service area		Terrain-limited		IX-free		Percent IX
32079.2	4,898,622	30913.2	4,535,576	29598.8	4,056,199	4.25 10.57

Undesired		Total IX		Unique IX		Prcnt Unique IX
WPTG-CD D30 DC CP	116.2	89,164	16.0	12,971	0.05	0.29
WBYD-CD D30 DC BL	92.1	71,750	0.0	0	0.00	0.00
WMYD D31 DT APP	700.5	353,764	403.0	259,678	1.30	5.73
WNED-TV D31 DT APP	542.1	72,898	316.9	17,828	1.03	0.39
WDTN D31 DT BL	140.8	52,787	16.1	1,157	0.05	0.03
WATM-TV D31 DT CP	204.7	29,547	120.4	16,740	0.39	0.37
WOAY-TV D31 DT CP	16.1	225	0.0	0	0.00	0.00

Interference to proposal scenario 4
 **MX: 10.24% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	
Undesireds:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	88.8 km
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	88.8
	WMYD	D31	DT	APP	DETROIT, MI	BLANK0000034676	260.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	261.5
	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	339.9
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	193.0
	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	347.2

Service area		Terrain-limited		IX-free		Percent IX
32079.2	4,898,622	30913.2	4,535,576	29803.4	4,070,955	3.59 10.24

Undesired		Total IX		Unique IX		Prcnt Unique IX
WPTG-CD D30 DC CP	116.2	89,164	16.0	12,971	0.05	0.29
WBYD-CD D30 DC BL	92.1	71,750	0.0	0	0.00	0.00
WMYD D31 DT APP	700.5	353,764	459.4	284,325	1.49	6.27
WNED-TV D31 DT CP	252.8	21,121	112.3	3,072	0.36	0.07
WDTN D31 DT BL	140.8	52,787	16.1	1,157	0.05	0.03

WATM-TV D31 DT CP	204.7	29,547	132.5	16,956	0.43	0.37
WOAY-TV D31 DT CP	16.1	225	0.0	0	0.00	0.00