tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WNLO_SITE_CHANNEL_CHG_TFU_29ETT_DEFAULT_VPAT_W_WUTV_BL, Model: Longley-Rice
Start: 2019.06.19 12:20:10

Study created: 2019.06.19 12:20:09

Study build station data: LMS TV 2019-06-13

    Proposal: WNLO D36 DT APP BUFFALO, NY
 File number: WNLO_SITE_CHANNEL_CHG_TFU_29ETT_DEFAULT_VPAT
 Facility ID: 71905
Station data: User record
   Record ID: 701
     Country: U.S.
        Zone: I

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Individual records excluded:
0000034378   WUTV D36 DT CP BUFFALO, NY BLANK0000034378

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	139.5 km
No	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	256.0
No	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	431.5
No	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	430.2
No	WAQP	D36	DT	CP	SAGINAW, MI	BLANK0000034899	446.0
Yes	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	47.6
No	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	439.7
No	WCFE-TV	D36	DT	CP	PLATTSBURGH, NY	BLANK0000034025	443.2
Yes	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	214.5
Yes	WQHS-DT	D36	DT	CP	CLEVELAND, OH	BLANK0000063135	290.9
No	WMNT-CD	D36	DC	LIC	TOLEDO, OH	BLANK0000067041	419.3
Yes	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	271.4
Yes	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	295.8
Yes	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	295.8
No	WWLM-CD	D36	DC	CP	WASHINGTON, PA	BLANK0000027840	305.3
Yes	CHCJ-DT	D35	DT	LIC	HAMILTON, ON	BLANKCANADA174	118.8
No	CFTO-DT-54	D35	DT	LIC	PETERBOROUGH, ON	BLANKCANADA214	198.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D36
   Latitude:  42 39 33.00 N (NAD83)
  Longitude:  78 37 32.00 W
Height AMSL: 813.0 m
       HAAT: 415.0 m
   Peak ERP: 800 kW
    Antenna: DIE TFU_29ETT_VP_R_3T170_AZ_FCC_FILE 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.00
```

40.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	742 kW	481.9 m	110.6 km
45.0	352	446.9	100.3
90.0	288	409.8	96.0
135.0	771	336.7	98.6
180.0	211	332.9	87.4
225.0	504	392.9	99.5
270.0	593	435.5	104.4
315.0	199	483.1	98.1

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 31.5 km

Distance to Mexican border: 2477.4 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 75.2 degrees Distance: 114.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 271.9 degrees Distance: 2225.6 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 BLANK0000034793 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	139.5 km
	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	138.1
	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	136.6
	WNJU	D35	DT	CP	LINDEN, NJ	BLANK0000053139	300.7
	WNYF-CD	D35	DC	LIC	WATERTOWN, NY	BLDTL20090924ABW	229.3
	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	253.1
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	353.3
	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	124.1
	CHCJ-DT	D35	DT	LIC	HAMILTON, ON	BLANKCANADA174	257.5
	CFTO-DT-54	D35	DT	LIC	PETERBOROUGH, ON	BLANKCANADA214	281.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21375.8	656,240	18338.3	517,754	17892.5	511,755	17880.5	511,715	0.07	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WNLO D36 DT APP	64.1	456			12.0	40
WKBW-TV D34 DT CP	84.1	685	44.1	458	16.0	288
WSWB D34 DT CP	12.1	104	8.0	96	8.0	96
WNJU D35 DT CP	52.2	749	32.1	556	32.1	556
WNYF-CD D35 DC LIC	44.1	723	32.0	592	32.0	592
WJAC-TV D35 DT CP	273.5	1,580	213.3	1,120	213.3	1,120
WPXW-TV D35 DT CP	8.1	0	4.0	0	4.0	0
WSPX-TV D36 DT CP	8.0	1,698	8.0	1,698	8.0	1,698
CHCJ-DT D35 DT LIC	56.0	1,034	16.0	784	12.0	643
CFTO-DT-54 D35 DT LIC	12.0	140	8.0	101	8.0	101

Interference to BLANK0000034793 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	

Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	139.5 km
	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	138.1
	WSWB	D34	DT	APP	SCRANTON, PA	BLANK0000072953	136.6
	WNJU	D35	DT	CP	LINDEN, NJ	BLANK0000053139	300.7
	WNYF-CD	D35	DC	LIC	WATERTOWN, NY	BLDTL20090924ABW	229.3
	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	253.1
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	353.3
	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	124.1
	CHCJ-DT	D35	DT	LIC	HAMILTON, ON	BLANKCANADA174	257.5
	CFTO-DT-54	D35	DT	LIC	PETERBOROUGH, ON	BLANKCANADA214	281.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21375.8	656,240	18338.3	517,754	17892.5	511,755	17880.5	511,715	0.07	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WNLO D36 DT APP	64.1	456			12.0	40
WKBW-TV D34 DT CP	84.1	685	44.1	458	16.0	288
WSWB D34 DT APP	12.1	104	8.0	96	8.0	96
WNJU D35 DT CP	52.2	749	32.1	556	32.1	556
WNYF-CD D35 DC LIC	44.1	723	32.0	592	32.0	592
WJAC-TV D35 DT CP	273.5	1,580	213.3	1,120	213.3	1,120
WPXW-TV D35 DT CP	8.1	0	4.0	0	4.0	0
WSPX-TV D36 DT CP	8.0	1,698	8.0	1,698	8.0	1,698
CHCJ-DT D35 DT LIC	56.0	1,034	16.0	784	12.0	643
CFTO-DT-54 D35 DT LIC	12.0	140	8.0	101	8.0	101

Interference to DTVBL415 BL scenario 1
**IX: 37.44% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	47.6 km
	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	236.3
	WQHS-DT	D36	DT	CP	CLEVELAND, OH	BLANK0000063135	292.3
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	343.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
14225.5	1,372,485	13468.7	1,353,071	13229.3	1,342,612	3781.0	839,983	71.42	37.44	
6145.4	482,516	6137.4	481,614	6133.4	479,391	1043.5	205,309	82.99	57.17	(in Canada)

Undesired		Total IX	Unique IX, before		Unique IX, after		
WNLO D36 DT APP	9659.8	512,587			9448.3	502,629	
WNLO D36 DT APP	5089.9	274,082			5089.9	274,082	(in Canada)
WSPX-TV D36 DT CP	187.5	9,661	187.5	9,661	4.0	80	
WSPX-TV D36 DT CP	4.0	2,223	4.0	2,223	4.0	2,223	(in Canada)
WQHS-DT D36 DT CP	51.9	798	51.9	798	24.0	421	

Interference to BLANK0000068027 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	214.5 km
	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	124.1
	WNYF-CD	D35	DC	LIC	WATERTOWN, NY	BLDTL20090924ABW	114.7
	WFSB	D36	DT	CP	HARTFORD, CT	BLANK0000024832	294.6
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	236.3
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	298.8
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	297.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21947.1	1,298,295	19926.0	1,174,763	19584.6	1,167,300	19376.5	1,163,485	1.06	0.33

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	360.6	8,218			208.2	3,815
WENY-TV D35 DT CP	4.0	107	0.0	0	0.0	0
WNYF-CD D35 DC LIC	136.9	2,538	132.9	2,523	124.9	2,382
WFSB D36 DT CP	64.0	592	47.9	475	31.9	271
WUTV D36 DT BL	132.4	4,223	120.3	4,072	8.0	203
WCBS-TV D36 DT CP	32.1	271	12.0	125	12.0	125

Interference to BLANK0000063135 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQHS-DT	D36	DT	CP	CLEVELAND, OH	BLANK0000063135	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	290.9 km
	WVIZ	D35	DT	CP	CLEVELAND, OH	BLANK0000034584	1.1
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	292.3
	WRGT-TV	D36	DT	CP	DAYTON, OH	BLANK0000034495	283.6

	WMNT-CD	D36	DC	LIC	TOLEDO, OH		BLANK0000067041		155.2		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
24188.6	3,996,567	23847.5	3,952,672		23714.9	3,941,812	23602.0	3,934,168	0.48	0.19	
3242.8	171	3242.8	171		3242.8	171	3242.8	171	0.00	0.00	(in Canada)

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	129.0	8,094			112.9	7,644
WVIZ D35 DT CP	4.0	83	4.0	83	4.0	83
WUTV D36 DT BL	16.1	450	16.1	450	0.0	0
WRGT-TV D36 DT CP	51.8	5,735	51.8	5,735	51.8	5,735
WMNT-CD D36 DC LIC	60.7	4,592	60.7	4,592	60.7	4,592

Interference to BLANK0000034699 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	271.4 km
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	239.5
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	187.8
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	91.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5860.6	392,702	4285.3	263,069	4165.0	261,226	4161.0	261,222	0.10	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	4.0	4			4.0	4
WTTG D36 DT LIC	20.2	207	8.1	0	8.1	0
WCBS-TV D36 DT CP	36.1	747	12.1	189	12.1	189
WITF-TV D36 DT APP	100.2	1,654	68.0	889	68.0	889

Interference to BLANK0000034699 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	271.4 km
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	239.3
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	187.8

	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	91.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5860.6	392,702	4285.3	263,069	4165.0	261,226	4161.0	261,222	0.10	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WNLO D36 DT APP	4.0	4				4.0	4
WTTG D36 DT CP	20.2	207		8.1	0	8.1	0
WCBS-TV D36 DT CP	36.1	747		12.1	189	12.1	189
WITF-TV D36 DT APP	100.2	1,654		68.0	889	68.0	889

Interference to BLANK0000034699 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	271.4 km
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	239.5
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	187.8
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	91.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5860.6	392,702	4285.3	263,069	4181.1	261,326	4177.1	261,322	0.10	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WNLO D36 DT APP	4.0	4				4.0	4
WTTG D36 DT LIC	20.2	207		16.2	207	16.2	207
WCBS-TV D36 DT CP	36.1	747		20.0	448	20.0	448
WITF-TV D36 DT LIC	68.0	1,088		52.0	789	52.0	789

Interference to BLANK0000034699 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	271.4 km
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	239.3
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	187.8
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	91.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX

5860.6	392,702	4285.3	263,069	4185.1	261,326	4181.1	261,322	0.10	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	4.0	4			4.0	4
WTTG D36 DT CP	20.2	207	12.1	207	12.1	207
WCBS-TV D36 DT CP	36.1	747	20.0	448	20.0	448
WITF-TV D36 DT LIC	68.0	1,088	47.9	789	47.9	789

Interference to BLANK0000035782 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	155.5
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8
	WSVF-CD	D36	DC	CP	HARRISONBURG, VA	BLANK0000034406	271.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
22016.9	2,630,939	19108.6	2,389,028	16553.2	2,187,635	16553.2	2,187,635	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	27.9	2,452			0.0	0
WPXW-TV D35 DT CP	19.8	2,227	0.0	0	0.0	0
WTTG D36 DT LIC	1984.5	167,837	1425.2	119,881	1417.2	117,667
WMGM-TV D36 DT LIC	328.3	15,273	23.9	1,367	23.9	1,367
WUTV D36 DT BL	4.0	0	0.0	0	0.0	0
WCBS-TV D36 DT CP	336.8	23,836	92.3	12,596	92.3	12,596
W47AO-D D36- DC CP	689.6	49,967	378.8	16,626	378.8	16,626

Interference to BLANK0000035782 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9

WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	154.9
WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4
WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8
WSVF-CD	D36	DC	CP	HARRISONBURG, VA	BLANK0000034406	271.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
22016.9	2,630,939	19108.6	2,389,028	16493.4	2,181,062	16489.4	2,179,623	0.02	0.07

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	27.9	2,452			4.0	1,439
WPXW-TV D35 DT CP	19.8	2,227	0.0	0	0.0	0
WTTG D36 DT CP	2040.4	167,285	1485.0	126,454	1481.0	125,679
WMGM-TV D36 DT LIC	328.3	15,273	36.0	1,453	36.0	1,453
WUTV D36 DT BL	4.0	0	0.0	0	0.0	0
WCBS-TV D36 DT CP	336.8	23,836	92.2	13,531	92.2	13,531
W47AO-D D36- DC CP	689.6	49,967	394.7	23,604	390.7	23,516

Interference to BLANK0000039358 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	155.5
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8
	WSVF-CD	D36	DC	CP	HARRISONBURG, VA	BLANK0000034406	271.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19488.4	2,412,561	16964.3	2,191,501	14809.6	2,022,489	14801.6	2,022,198	0.05	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	43.9	2,134			8.0	291
WPXW-TV D35 DT CP	15.9	3,224	0.0	0	0.0	0
WTTG D36 DT LIC	1739.4	151,643	1283.6	121,482	1267.7	119,817
WMGM-TV D36 DT LIC	256.0	16,199	23.8	987	23.8	987
WUTV D36 DT BL	12.0	0	0.0	0	0.0	0

WCBS-TV D36 DT CP	288.8	14,817	60.2	3,115	60.2	3,115
W47AO-D D36- DC CP	522.5	25,106	251.2	9,947	243.2	9,947
WSVF-CD D36 DC CP	4.0	0	0.0	0	0.0	0

Interference to BLANK0000039358 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	154.9
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8
	WSVF-CD	D36	DC	CP	HARRISONBURG, VA	BLANK0000034406	271.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19488.4	2,412,561	16964.3	2,191,501	14773.8	2,019,824	14761.9	2,018,215	0.08	0.08

Undesired		Total IX		Unique IX, before		Unique IX, after	
WNLO D36 DT APP	43.9	2,134				12.0	1,609
WPXW-TV D35 DT CP	15.9	3,224	0.0	0	0.0	0	
WTTG D36 DT CP	1751.2	153,989	1319.4	124,147	1307.4	123,800	
WMGM-TV D36 DT LIC	256.0	16,199	27.9	936	27.9	936	
WUTV D36 DT BL	12.0	0	0.0	0	0.0	0	
WCBS-TV D36 DT CP	288.8	14,817	72.3	4,476	72.3	4,476	
W47AO-D D36- DC CP	522.5	25,106	275.2	9,484	267.2	9,484	
WSVF-CD D36 DC CP	4.0	0	0.0	0	0.0	0	

Interference to BLANK0000039358 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	155.5
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4

	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19488.4	2,412,561	16964.3	2,191,501	14809.6	2,022,489	14801.6	2,022,198	0.05	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	43.9	2,134			8.0	291
WPXW-TV D35 DT CP	15.9	3,224	0.0	0	0.0	0
WTTG D36 DT LIC	1739.4	151,643	1287.6	121,482	1271.7	119,817
WMGM-TV D36 DT LIC	256.0	16,199	23.8	987	23.8	987
WUTV D36 DT BL	12.0	0	0.0	0	0.0	0
WCBS-TV D36 DT CP	288.8	14,817	60.2	3,115	60.2	3,115
W47AO-D D36- DC CP	522.5	25,106	251.2	9,947	243.2	9,947

Interference to BLANK0000039358 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	295.8 km
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000068032	154.9
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	154.9
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	343.4
	WCBS-TV	D36	DT	CP	NEW YORK, NY	BLANK0000033867	244.7
	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699	91.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19488.4	2,412,561	16964.3	2,191,501	14773.8	2,019,824	14761.9	2,018,215	0.08	0.08

Undesired		Total IX	Unique IX, before		Unique IX, after	
WNLO D36 DT APP	43.9	2,134			12.0	1,609
WPXW-TV D35 DT CP	15.9	3,224	0.0	0	0.0	0
WTTG D36 DT CP	1751.2	153,989	1323.4	124,147	1311.4	123,800
WMGM-TV D36 DT LIC	256.0	16,199	27.9	936	27.9	936
WUTV D36 DT BL	12.0	0	0.0	0	0.0	0
WCBS-TV D36 DT CP	288.8	14,817	72.3	4,476	72.3	4,476
W47AO-D D36- DC CP	522.5	25,106	275.2	9,484	267.2	9,484

Interference to BLANKCANADA174 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CHCJ-DT	D35	DT	LIC	HAMILTON, ON	BLANKCANADA174	
Undesireds:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	118.8 km
	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	120.6
	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	257.5
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	78.9
	CFTO-DT-54	D35	DT	LIC	PETERBOROUGH, ON	BLANKCANADA214	171.8
	CIII-DT-29	D35	DT	LIC	SARNIAOIL SPRINGS, ON	BLANKCANADA217	196.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
443.8	49,215	443.8	49,215	421.2	23,207	421.2	23,207	0.00	0.00	(in U.S.)
12037.1	5,292,086	12021.2	5,291,327	11865.1	5,241,864	11865.1	5,241,864	0.00	0.00	

Undesired	Total IX	Unique IX, before		Unique IX, after		
WNLO D36 DT APP	10.6	13,441		0.0	0	(in U.S.)
WNLO D36 DT APP	124.2	31,108		0.0	0	
WKBW-TV D34 DT CP	14.6	23,573	0.0	0.0	0	(in U.S.)
WKBW-TV D34 DT CP	136.2	49,463	35.9	19,168	12.0	18,355
WENY-TV D35 DT CP	4.0	2,153	0.0	0	0.0	0
WUTV D36 DT BL	22.6	26,008	8.0	2,435	8.0	2,435 (in U.S.)
WUTV D36 DT BL	100.3	30,295	0.0	0	0.0	0
CFTO-DT-54 D35 DT LIC	4.0	2,153	0.0	0	0.0	0
CIII-DT-29 D35 DT LIC	27.8	3,577	19.8	0	19.8	0

Interference to proposal scenario 1
79.43% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNLO	D36	DT	APP	BUFFALO, NY	WNLO_SITE_CHANNEL_CHG_	
Undesireds:	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	139.5 km
	WUTV	D36	DT	BL	BUFFALO, NY	DTVBL415	47.6
	WSPX-TV	D36	DT	CP	SYRACUSE, NY	BLANK0000068027	214.5
	WQHS-DT	D36	DT	CP	CLEVELAND, OH	BLANK0000063135	290.9
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	295.8

Service area		Terrain-limited		IX-free		Percent IX		
26152.8	1,900,503	24595.5	1,820,106	11471.1	374,407	53.36	79.43	
4996.6	435,691	4996.6	435,691	243.7	23,759	95.12	94.55	(in Canada)

Undesired		Total IX		Unique IX	Prcnt Unique IX		
WENY-TV D35 DT CP	8.0	60	0.0	0	0.00	0.00	
WUTV D36 DT BL	13052.4	1,441,382	12581.7	1,375,365	51.15	75.57	
WUTV D36 DT BL	4752.9	411,932	4752.9	411,932	95.12	94.55	(in Canada)
WSPX-TV D36 DT CP	422.8	67,028	36.0	3,061	0.15	0.17	
WQHS-DT D36 DT CP	119.9	3,306	32.0	1,220	0.13	0.07	