

Post-Transition DTV Considerations

A study was performed using the FCC's software program, *tv_study*, v.2.2.2, to determine if the facility proposed herein is predicted to cause new prohibited interference to post reassignment DTV station, construction permits, DTV allotments, or Class A DTV stations. As demonstrated in the attached study results, the instant proposal is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment, or Class A DTV stations. In addition, the attached study also demonstrates that the predicted service area resulting from the technical facility proposed herein is within the baseline service area plus 1% and the proposed service area population is more than 95.0% of the baseline service area population. Accordingly, the instant proposal satisfies all applicable DTV coverage and DTV interference criteria.

International DTV Considerations

As shown in the attached study, the transmitter site specified herein not within 320 kilometers of either the common border between the United States of America and Canada or between the USA and Mexico. Therefore, international notification and coordination of the instant proposal is not required.

tvstudy v2.2.2
Database: localhost, Study: WVTV_27_356H_554C_475K, Model: Longley-Rice
Start: 2017.06.27 17:17:00

Study created: 2017.06.27 17:16:54

Study build station data: LMS TV 2017-06-26 (20)

Proposal: WVTV D27 DT APP MILWAUKEE, WI
File number: WVTV_27_356H_554C_475K
Facility ID: 74174
Station data: User record
Record ID: 762
Country: U.S.
Zone: I

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	136.1 km
WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	229.1
WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	132.5
KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDT20050713ABD	360.0
W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	151.5
WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	435.4
WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	216.2
WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	413.3
WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	383.3
WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	137.1
WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	2.6
WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	2.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Latitude: 43 5 46.20 N (NAD83)
Longitude: 87 54 15.00 W
Height AMSL: 553.9 m
HAAT: 356.0 m
Peak ERP: 475 kW
Antenna: DIE-TFU-17JSC/VP-R SP 4C170 (ID 98965) 0.0 deg

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	346 kW	349.8 m	94.6 km
45.0	181	376.9	91.7
90.0	130	376.9	89.3
135.0	181	374.5	91.5
180.0	346	359.6	95.4
225.0	315	335.6	92.5
270.0	475	335.5	95.9
315.0	315	337.2	92.6

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 401.8 km

Distance to Mexican border: 1905.4 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 108.3 degrees Distance: 167.9 km
ERP: 126 kW Field strength: 24.2 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 263.1 degrees Distance: 1473.0 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 DTVBL168237 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL168237 BL, scenario 2
Proposal causes no interference.

Interference to BLEDT20130710ABN LIC, scenario 1
Proposal causes no interference.

Interference to BLEDT20130710ABN LIC, scenario 2
Proposal causes no interference.

Interference to BLEDT20130710ABN LIC, scenario 3
Proposal causes no interference.

Interference to BLEDT20130710ABN LIC, scenario 4
Proposal causes no interference.

Interference to BLCDDT20111006AAO LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	132.4 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	132.5
	WTTW	D25	DT	BL	CHICAGO, IL	DTVBL10802	203.3
	WPNE-TV	D25	DT	CP	GREEN BAY, WI	BLANK0000024683	194.4
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	203.2
	WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	269.1
	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	357.4
	KXLT-TV	D26	DT	BL	ROCHESTER, MN	DTVBL35906	250.4
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	165.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35002.9 1,918,224		34419.3 1,899,746		33739.6 1,782,828		33683.8 1,779,402	0.17 0.19
Undesired		Total IX		Unique IX, before		Unique IX, after	
WVTV D27 DT BL		411.3		106,925		343.2 88,630	
WVTV D27 DT APP		487.2		110,754		399.0 92,056	
WPVN-CD D26 DC BL		224.6		18,113		144.5 4,637	
WMBD-TV D26 DT BL		127.9		10,580		87.8 3,425	
WCMU-TV D26 DT LIC		31.9		6,973		8.0 177	

Interference to BLCDDT20111006AAO LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	132.4 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	132.5
	WTTW	D25	DT	BL	CHICAGO, IL	DTVBL10802	203.3
	WPNE-TV	D25	DT	BL	GREEN BAY, WI	DTVBL18798	194.4
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	203.2

WMBD-TV	D26	DT	BL	PEORIA, IL	DTVBL42121	269.1
WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	357.4
KXLT-TV	D26	DT	BL	ROCHESTER, MN	DTVBL35906	250.4
W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	165.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35002.9 1,918,224	34419.3 1,899,746	33739.6 1,782,828	33683.8 1,779,402	0.17 0.19

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	411.3 106,925	343.2 88,630	
WVTV D27 DT APP	487.2 110,754		399.0 92,056
WPVN-CD D26 DC BL	224.6 18,113	144.5 4,637	124.4 4,234
WMBD-TV D26 DT BL	127.9 10,580	87.8 3,425	87.8 3,425
WCMU-TV D26 DT LIC	31.9 6,973	8.0 177	8.0 177

Interference to BLCDDT20050713ABD LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	360.0 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	360.0
	KXLT-TV	D26	DT	BL	ROCHESTER, MN	DTVBL35906	176.2
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	301.8
	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDDT20080502ABG	382.9
	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDDT20040824AAF	329.1
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	199.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34521.3 875,538	34276.7 874,070	34204.8 873,811	34228.8 873,896	-0.07 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	48.0 166	40.0 146	
WVTV D27 DT APP	20.0 66		16.0 61
WHWC-TV D27 DT LIC	31.9 113	23.9 93	27.9 108

Interference to DTVBL71111 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111				
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	151.4 km			
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	151.5			
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	69.6			
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	301.8			
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	329.4			
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	187.6			
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	68.7			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
2690.6		600,680		2573.5		2617.9		-1.73		
				598,003		599,914		-0.32		
Undesired				Total IX	Unique IX, before	Unique IX, after				
WVTV D27 DT BL				117.1	2,677	117.1	2,677			
WVTV D27 DT APP				72.7	766	72.7	766			

Interference to DTVBL71111 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	151.4 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	151.5
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	69.6
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	301.8
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	329.4
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	187.6
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	68.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2690.6 600,680	2690.6 600,680	2573.5 598,003	2617.9 599,914	-1.73 -0.32
Undesired	Total IX	Unique IX, before	Unique IX, after	
WVTV D27 DT BL	117.1 2,677	117.1 2,677		
WVTV D27 DT APP	72.7 766		72.7 766	

Interference to DTVBL56523 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL56523 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL41674 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	216.2 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	216.2
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	121.4
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	187.6
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	244.4
	WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	293.9
	W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	376.8
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	326.4
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	121.9
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	119.8
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	160.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28445.8 1,807,909	28382.0 1,783,617	28050.0 1,743,075	28134.5 1,765,298	-0.30 -1.27

Undesired		Total IX	Unique IX, before		Unique IX, after	
WVTV D27 DT BL	136.7	34,902	116.8	33,139		
WVTV D27 DT APP	52.2	12,276			32.2	10,916
WTTV D27 DT BL	199.3	4,604	171.3	3,799	171.3	4,202
WADL D27 DT BL	16.0	2,799	8.0	1,664	8.0	1,664
WTTE D27 DT BL	8.1	127	0.0	0	0.0	0
WIWU-CD D28 DC BL	11.9	88	0.0	0	0.0	0

Interference to DTVBL41674 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	216.2 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	216.2
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	121.4
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	187.6
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	244.4
	WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	293.9
	W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	376.8
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	326.4
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	121.9
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	119.8
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	160.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28445.8	1,807,909	28382.0	1,783,617	28050.0	1,743,075	28134.5	1,765,298	-0.30 -1.27

Undesired		Total IX	Unique IX, before		Unique IX, after	
WVTV D27 DT BL	136.7	34,902	116.8	33,139		
WVTV D27 DT APP	52.2	12,276			32.2	10,916
WTTV D27 DT BL	199.3	4,604	171.3	3,799	171.3	4,202
WADL D27 DT BL	16.0	2,799	8.0	1,664	8.0	1,664
WTTE D27 DT BL	8.1	127	0.0	0	0.0	0
WIWU-CD D28 DC BL	11.9	88	0.0	0	0.0	0

Interference to DTVBL41674 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	216.2 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	216.2
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	121.4
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	187.6
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	244.4
	WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	293.9
	W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	376.8
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	326.4
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	121.9
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	119.8
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	160.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28445.8	1,807,909	28382.0	1,783,617	28050.0	1,743,075	28134.5	1,765,298	-0.30	-1.27

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	136.7	34,902	116.8
WVTV D27 DT APP	52.2	12,276	32.2
WTTV D27 DT BL	199.3	4,604	171.3
WADL D27 DT BL	16.0	2,799	8.0
WTTE D27 DT BL	8.1	127	0.0
WIWU-CD D28 DC BL	11.9	88	0.0

Interference to DTVBL41674 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	

Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	216.2 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	216.2
	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	121.4
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	187.6
	WTTV	D27	DT	BL	BLOOMINGTON, IN	DTVBL56523	244.4
	WADL	D27	DT	BL	MOUNT CLEMENS, MI	DTVBL455	293.9
	W16DO-D	D27	DC	BL	CLEVELAND, OH	DTVBL41074	376.8
	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	326.4
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	121.9
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	119.8
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	160.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28445.8	1,807,909	28382.0	1,783,617	28050.0	1,743,075	28134.5	1,765,298	-0.30 -1.27

Undesired			Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	136.7	34,902	116.8	33,139	
WVTV D27 DT APP	52.2	12,276			32.2 10,916
WTTV D27 DT BL	199.3	4,604	171.3	3,799	171.3 4,202
WADL D27 DT BL	16.0	2,799	8.0	1,664	8.0 1,664
WTTE D27 DT BL	8.1	127	0.0	0	0.0 0
WIWU-CD D28 DC BL	11.9	88	0.0	0	0.0 0

Interference to DTVBL455 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL455 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL455 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL455 BL, scenario 4
 Proposal causes no interference.

 Interference to DTVBL455 BL, scenario 5
 Proposal causes no interference.

 Interference to DTVBL455 BL, scenario 6
 Proposal causes no interference.

 Interference to DTVBL455 BL, scenario 7
 Proposal causes no interference.

 Interference to DTVBL455 BL, scenario 8
 Proposal causes no interference.

 Interference to BLEDT20040824AAF LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	383.3 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	383.3
	KXLT-TV	D26	DT	BL	ROCHESTER, MN	DTVBL35906	164.7
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDT20050713ABD	329.1
	KCWV	D27	DT	LIC	DULUTH, MN	BLANK0000004652	194.2
	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	293.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	143.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27224.4	994,710	26435.1	946,335	26315.4	929,057	26319.4 929,068	-0.02 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	11.9	41	11.9	41
WVTV D27 DT APP	8.0	30		8.0
KFXA D27 DT LIC	31.9	337	23.9	221
KCWV D27 DT LIC	39.8	221	39.8	221
KRWF D27 DT LIC	20.0	16,645	16.1	16,558
WXOW D28 DT BL	24.0	150	20.0	121

Interference to BLEDT20040824AAF LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	383.3 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	383.3
	KXLT-TV	D26	DT	BL	ROCHESTER, MN	DTVBL35906	164.7
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	329.1
	KCWV	D27	DT	LIC	DULUTH, MN	BLANK0000004652	194.2
	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDDT20080502ABG	293.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	143.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27224.4	994,710	26435.1	946,335	26315.4
			929,057	26319.4
				929,068
				-0.02
				-0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	11.9	41	11.9	41
WVTV D27 DT APP	8.0	30		8.0
KFXA D27 DT LIC	31.9	337	23.9	221
KCWV D27 DT LIC	39.8	221	39.8	221
KRWF D27 DT LIC	20.0	16,645	16.1	16,558
WXOW D28 DT BL	24.0	150	20.0	121

Interference to DTVBL66978 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL66978 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000024946 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	LIC	EAGLE RIVER, WI	BLCDDT20121005AAF	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25880.3 2,956,742	25723.9 2,944,837	25503.5 2,930,096	25503.5 2,930,096	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0 0	0.0 0	
WVTV D27 DT APP	8.0 75		0.0 0
WEDE-CD D28 DC BL	4.0 1,102	0.0 0	0.0 0
WYZZ-TV D28 DT LIC	140.2 13,831	128.2 12,612	128.2 12,612
WYOW D28 DT LIC	12.1 57	0.0 0	0.0 0
WXOW D28 DT BL	60.2 470	36.1 280	36.1 280
WDJT-TV D29 DT BL	31.9 573	27.9 557	20.0 482

Interference to BLANK0000024946 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	APP	EAGLE RIVER, WI	BPCDT20121019AAE	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25880.3 2,956,742	25723.9 2,944,837	25503.5 2,930,096	25503.5 2,930,096	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0 0	0.0 0	
WVTV D27 DT APP	8.0 75		0.0 0
WEDE-CD D28 DC BL	4.0 1,102	0.0 0	0.0 0
WYZZ-TV D28 DT LIC	140.2 13,831	128.2 12,612	128.2 12,612
WYOW D28 DT APP	12.1 57	0.0 0	0.0 0
WXOW D28 DT BL	60.2 470	36.1 280	36.1 280
WDJT-TV D29 DT BL	31.9 573	27.9 557	20.0 482

Interference to BLANK0000024946 CP, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km

WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDDT20060609ABE	293.0
WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
WYOW	D28	DT	LIC	EAGLE RIVER, WI	BLCDDT20121005AAF	314.0
WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDDTA20110812ACT	151.0
WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25880.3 2,956,742	25723.9 2,944,837	25503.5 2,930,096	25503.5 2,930,096	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL 0.0	0	0.0	0
WVTV D27 DT APP 8.0	75	0.0	0
WEDE-CD D28 DC BL 4.0	1,102	0.0	0
WYZZ-TV D28 DT LIC 140.2	13,831	128.2	12,612
WYOW D28 DT LIC 12.1	57	0.0	0
WXOW D28 DT BL 60.2	470	36.1	280
WDJT-TV D29 DT BL 31.9	573	27.9	557

Interference to BLANK0000024946 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7

WYOW	D28	DT	APP	EAGLE RIVER, WI	BPCDT20121019AAE	314.0
WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	151.0
WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25880.3 2,956,742	25723.9 2,944,837	25503.5 2,930,096	25503.5 2,930,096	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0	0	0
WVTV D27 DT APP	8.0	75	0.0 0
WEDE-CD D28 DC BL	4.0	1,102	0.0 0
WYZZ-TV D28 DT LIC	140.2	13,831	128.2 12,612
WYOW D28 DT APP	12.1	57	0.0 0
WXOW D28 DT BL	60.2	470	36.1 280
WDJT-TV D29 DT BL	31.9	573	27.9 557
			20.0 482

Interference to DTVBL65680 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	LIC	EAGLE RIVER, WI	BLCDT20121005AAF	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
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25564.6	2,938,180	25408.2	2,926,252	25183.8	2,909,359	25183.8	2,909,359	0.00	0.00
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Undesired		Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0	0	0.0	0
WVTV D27 DT APP	8.0	75		0.0 0
WEDE-CD D28 DC BL	4.0	1,102	0.0	0.0 0
WYZZ-TV D28 DT LIC	144.2	13,898	124.2	12,566 12,566
WYOW D28 DT LIC	12.1	57	0.0	0.0 0
WXOW D28 DT BL	60.2	485	32.2	259 32.2 259
WDJT-TV D29 DT BL	39.9	2,756	32.0	2,663 24.0 2,588

Interference to DTVBL65680 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	APP	EAGLE RIVER, WI	BPCDT20121019AAE	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25564.6 2,938,180	25408.2 2,926,252	25183.8 2,909,359	25183.8 2,909,359	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0	0	0.0	0
WVTV D27 DT APP	8.0	75		0.0 0
WEDE-CD D28 DC BL	4.0	1,102	0.0	0.0 0

WYZZ-TV D28 DT LIC	144.2	13,898	124.2	12,566	124.2	12,566
WYOW D28 DT APP	20.1	65	0.0	0	0.0	0
WXOW D28 DT BL	60.2	485	24.1	251	24.1	251
WDJT-TV D29 DT BL	39.9	2,756	32.0	2,663	24.0	2,588

Interference to DTVBL65680 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	LIC	EAGLE RIVER, WI	BLCDDT20121005AAF	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
25564.6	2,938,180	25408.2	2,926,252	25183.8	2,909,359	25183.8	2,909,359	0.00	0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0	0	0.0	0
WVTV D27 DT APP	8.0	75	0.0	0
WEDE-CD D28 DC BL	4.0	1,102	0.0	0
WYZZ-TV D28 DT LIC	144.2	13,898	124.2	12,566
WYOW D28 DT LIC	12.1	57	0.0	0
WXOW D28 DT BL	60.2	485	32.2	259
WDJT-TV D29 DT BL	39.9	2,756	32.0	2,663

Interference to DTVBL65680 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	
Undesireds:	WVTV	D27	DT	BL	MILWAUKEE, WI	DTVBL74174	2.6 km
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	2.6
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	152.5
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	139.1
	WYZZ-TV	D28	DT	LIC	BLOOMINGTON, IL	BLCDDT20060609ABE	293.0
	WIWU-CD	D28	DC	BL	MARION, IN	DTVBL29292	335.6
	WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	276.7
	WYOW	D28	DT	APP	EAGLE RIVER, WI	BPCDDT20121019AAE	314.0
	WXOW	D28	DT	BL	LA CROSSE, WI	DTVBL64549	288.0
	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDDTA20110812ACT	151.0
	WDJT-TV	D29	DT	BL	MILWAUKEE, WI	DTVBL71427	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25564.6 2,938,180	25408.2 2,926,252	25183.8 2,909,359	25183.8 2,909,359	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVTV D27 DT BL	0.0 0	0.0 0	
WVTV D27 DT APP	8.0 75		0.0 0
WEDE-CD D28 DC BL	4.0 1,102	0.0 0	0.0 0
WYZZ-TV D28 DT LIC	144.2 13,898	124.2 12,566	124.2 12,566
WYOW D28 DT APP	20.1 65	0.0 0	0.0 0
WXOW D28 DT BL	60.2 485	24.1 251	24.1 251
WDJT-TV D29 DT BL	39.9 2,756	32.0 2,663	24.0 2,588

Interference to proposal, scenario 1
2.82% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	

Undesireds:	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	136.1 km
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	132.5
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	360.0
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	151.5
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	216.2
	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	383.3
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	137.1
	WISN-TV	D28	DT	CP	MILWAUKEE, WI	BLANK0000024946	2.6

Service area	Terrain-limited	IX-free	Percent IX
27125.4 3,001,431	27000.8 2,995,150	26162.3 2,910,707	3.11 2.82

Undesired	Total IX	Unique IX	Prcnt Unique IX
WPVN-CD D26 DC BL	23.9 21,392	4.0 1,333	0.01 0.04
WKOW D26 DT LIC	562.3 31,346	522.5 30,794	1.93 1.03
KFXA D27 DT LIC	12.0 99	0.0 0	0.00 0.00
W40CN-D D27 DC BL	12.1 75	0.0 0	0.00 0.00
WNDU-TV D27 DT BL	271.9 51,625	208.0 31,141	0.77 1.04
WHWC-TV D27 DT LIC	8.1 60	8.1 60	0.03 0.00
WISN-TV D28 DT CP	32.1 635	20.1 407	0.07 0.01

Interference to proposal, scenario 2
2.82% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVTV	D27	DT	APP	MILWAUKEE, WI	WVTV_27_356H_554C_475K	
Undesireds:	WPVN-CD	D26	DC	BL	CHICAGO, IL	DTVBL168237	136.1 km
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	132.5
	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDDT20050713ABD	360.0
	W40CN-D	D27	DC	BL	SUGAR GROVE, IL	DTVBL71111	151.5
	WNDU-TV	D27	DT	BL	SOUTH BEND, IN	DTVBL41674	216.2
	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	383.3
	WEDE-CD	D28	DC	BL	ARLINGTON HEIGHTS, IL	DTVBL66978	137.1
	WISN-TV	D28	DT	BL	MILWAUKEE, WI	DTVBL65680	2.6

Service area		Terrain-limited			IX-free		Percent IX
27125.4	3,001,431	27000.8	2,995,150	26166.3	2,910,734	3.09	2.82
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WPVN-CD D26 DC BL	23.9	21,392	4.0	1,333	0.01	0.04	
WKOW D26 DT LIC	562.3	31,346	522.5	30,794	1.93	1.03	
KFXA D27 DT LIC	12.0	99	0.0	0	0.00	0.00	
W40CN-D D27 DC BL	12.1	75	0.0	0	0.00	0.00	
WNDU-TV D27 DT BL	271.9	51,625	208.0	31,141	0.77	1.04	
WHWC-TV D27 DT LIC	8.1	60	8.1	60	0.03	0.00	
WISN-TV D28 DT BL	28.0	608	16.1	380	0.06	0.01	