

WTMJ-TV ENGINEERING STATEMENT

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Scripps Broadcasting Holdings, LLC
Milwaukee, WI

The attached application is prepared on behalf of Scripps Broadcasting Holdings, LLC, licensee of WTMJ-TV - Milwaukee, Wisconsin. WTMJ-TV is presently licensed to operate on Channel 28 with a maximum effective radiated power of 1000 kilowatts at 272.6 meters above average terrain using a directional antenna. This application proposes operation on Channel 32 with a top mounted directional antenna on the present WTMJ-TV tower with a maximum horizontally polarized effective radiated power of 650 kilowatts and a maximum vertically polarized effective radiated power of 162.5 kilowatts at 304.6 meters above average terrain using an elliptically polarized directional antenna to replicate as closely as possible the post-repack facilities authorized for WTMJ-TV.

A separate exhibit provides details on this proposed antenna, which was supplied by the antenna manufacturer. The installation of this new top mounted antenna will reduce the overall height of this tower from 334.1 meters AGL to 330.7 meters AGL. Because it doesn't appear that the LMS filing system will permit the overall height of a registered tower to be modified before the registration has been modified, the attached application specifies the presently registered height of this tower. This will be modified once an updated FAA approval has been received and the registration for this tower (1034393) has been modified to reflect the reduced height.

This exhibit includes the results of the FCC's TV Study program for the proposed facilities. Although the proposed facilities will result in a slight extension of the predicted 40.5 dBu noise limited contour in several directions, it won't result in this contour extending more than 1% further than that predicted for WTMJ-TV's authorized post-repack facilities in any direction. Furthermore, this data shows that these proposed facilities

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Scripps Broadcasting Holdings, LLC
Milwaukee, WI

won't be predicted to cause any new or increased interference exceeding the 0.5% de minimis value permitted by the FCC Rules to any other post-repack facilities requiring protection consideration. It also shows that these proposed facilities will be predicted to provide noise limited interference free service to 2,862,818 people, or 99.2% of the 2,885,631 people predicted to receive noise limited interference free service from WTMJ-TV's post-repack allotment facilities. Based on this information, this limited contour extension is permitted by Paragraph 19 of the FCC's January 27, 2017 Procedures Public Notice (DA 17-106).

The predicted 48 dBu principal community contour for the proposed facilities will totally encompass Milwaukee, as required by Section 73.625(a) of the FCC Rules.

A separate exhibit attached to this application documents that the proposed WTMJ-TV facilities will comply with the FCC's requirements regarding human exposure to nonionizing radiation.

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tvstudy v2.2.2

Database: localhost, Study: WTMJ-TV 650 KW, Model: Longley-Rice

Start: 2017.06.28 10:56:49

Study created: 2017.06.28 10:56:30

Study build station data: LMS TV 2017-06-27 (9)

Proposal: WTMJ-TV D32 DT APP Milwaukee, WI

Facility ID: 74098

Station data: User record

Record ID: 25

Country: U.S.

Zone: I

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	216.3 km
WNIT	D31	DT	BL	SOUTH BEND, IN	DTVBL41671	216.3
WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9
WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	0.4
WITI	D31	DT	BL	MILWAUKEE, WI	DTVBL73107	0.4
WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
WTJR	D32	DT	LIC	QUINCY, IL	BLCDT20091110ADL	448.8
WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	389.0
WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3

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No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Latitude: 43 5 29.00 N (NAD83)
Longitude: 87 54 7.00 W
Height AMSL: 513.6 m
HAAT: 304.2 m
Peak ERP: 650 kW
Antenna: 0.0 deg

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	418 kW	311.0 m	91.2 km
45.0	91.9	336.6	82.3
90.0	27.6	336.6	74.5
135.0	91.9	335.2	82.1
180.0	418	319.0	92.2
225.0	576	297.2	92.4
270.0	650	293.9	93.1
315.0	576	297.0	92.4

Database HAAT does not agree with computed HAAT

Database HAAT: 304 m Computed HAAT: 316 m

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 401.5 km

Distance to Mexican border: 1905.2 km

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Conditions at FCC monitoring station: Allegan MI

Bearing: 108.1 degrees Distance: 167.5 km

ERP: 13.4 kW Field strength: 14.1 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: 1473.1 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 BLANK0000024784 CP, scenario 1

Proposal causes no interference.

Interference to BLANK0000024784 CP, scenario 2

Proposal causes no interference.

Interference to BLANK0000024784 CP, scenario 3

Proposal causes no interference.

Interference to BLANK0000024784 CP, scenario 4

Proposal causes no interference.

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Interference to DTVBL41671 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL41671 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL41671 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL41671 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 4
Proposal causes no interference.

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Interference to DTVBL33869 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL33869 BL, scenario 8
Proposal causes no interference.

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Interference to BLANK0000024875 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	0.4 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		0.4
	WPXE-TV	D30	DT	BL	KENOSHA, WI	DTVBL37104	0.8
	WQAD-TV	D31	DT	BL	MOLINE, IL	DTVBL73319	284.3
	DWKOG-LP	D31	DC	BL	INDIANAPOLIS, IN	DTVBL34894	396.8
	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	215.9
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
26668.5	3,099,617	26492.0	3,089,941	26091.6	3,072,368	26095.6	3,072,368
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		4.0	0	4.0	0	0.0	0
WTMJ-TV D32 DT APP		0.0	0			0.0	0
WPXE-TV D30 DT BL		19.9	391	12.0	306	12.0	306
WQAD-TV D31 DT BL		376.4	17,155	364.4	17,029	364.4	17,029
WNIT D31 DT CP		12.1	153	8.1	112	8.1	112
WMKG-CD D31 DC BL		4.0	37	0.0	0	0.0	0

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Interference to BLANK0000024875 CP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	0.4 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		0.4
	WPXE-TV	D30	DT	BL	KENOSHA, WI	DTVBL37104	0.8
	WQAD-TV	D31	DT	BL	MOLINE, IL	DTVBL73319	284.3
	DWKOG-LP	D31	DC	BL	INDIANAPOLIS, IN	DTVBL34894	396.8
	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	215.9
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
26668.5	3,099,617	26492.0	3,089,941	26091.6	3,072,368	26095.6	3,072,368
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		4.0	0		4.0	0	
WTMJ-TV D32 DT APP		0.0	0			0.0	0
WPXE-TV D30 DT BL		19.9	391		12.0	306	12.0
WQAD-TV D31 DT BL		376.4	17,155		364.4	17,029	364.4
WNIT D31 DT CP		12.1	153		8.1	112	8.1
WMKG-CD D31 DC BL		4.0	37		0.0	0	0.0

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Interference to BLANK0000024875 CP, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	0.4 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		0.4
	WPXE-TV	D30	DT	BL	KENOSHA, WI	DTVBL37104	0.8
	WQAD-TV	D31	DT	BL	MOLINE, IL	DTVBL73319	284.3
	DWKOG-LP	D31	DC	BL	INDIANAPOLIS, IN	DTVBL34894	396.8
	WNIT	D31	DT	BL	SOUTH BEND, IN	DTVBL41671	215.9
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
26668.5	3,099,617	26492.0	3,089,941	26091.6	3,072,368	26095.6	3,072,368
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		4.0	0		4.0	0	
WTMJ-TV D32 DT APP		0.0	0			0.0	0
WPXE-TV D30 DT BL		19.9	391		12.0	306	12.0
WQAD-TV D31 DT BL		376.4	17,155		364.4	17,029	364.4
WNIT D31 DT BL		12.1	153		8.1	112	8.1
WMKG-CD D31 DC BL		4.0	37		0.0	0	0.0

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Interference to BLANK0000024875 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	0.4 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		0.4
	WPXE-TV	D30	DT	BL	KENOSHA, WI	DTVBL37104	0.8
	WQAD-TV	D31	DT	BL	MOLINE, IL	DTVBL73319	284.3
	DWKOG-LP	D31	DC	BL	INDIANAPOLIS, IN	DTVBL34894	396.8
	WNIT	D31	DT	BL	SOUTH BEND, IN	DTVBL41671	215.9
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
26668.5	3,099,617	26492.0	3,089,941	26091.6	3,072,368	26095.6	3,072,368
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		4.0	0	4.0	0	0.0	0
WTMJ-TV D32 DT APP		0.0	0				
WPXE-TV D30 DT BL		19.9	391	12.0	306	12.0	306
WQAD-TV D31 DT BL		376.4	17,155	364.4	17,029	364.4	17,029
WNIT D31 DT BL		12.1	153	8.1	112	8.1	112
WMKG-CD D31 DC BL		4.0	37	0.0	0	0.0	0

Interference to DTVBL73107 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL73107 BL, scenario 2

Proposal causes no interference.

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Interference to DTVBL73107 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL73107 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL25684 BL, scenario 7
Proposal causes no interference.

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Interference to DTVBL25684 BL, scenario 8
Proposal causes no interference.

Interference to BLANK0000025115 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4044.8	5,541,100	4044.8	5,541,100	3911.8	5,470,071	3968.3	5,483,095
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		84.8	19,095	72.7	13,693		
WTMJ-TV D32 DT APP		28.3	6,071			16.1	669
WMAQ-TV D33 DT BL		60.3	57,336	48.2	51,934	48.2	51,934

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Interference to BLANK0000025115 CP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4044.8	5,541,100	4044.8	5,541,100	3911.8	5,470,071	3968.3	5,483,095
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		84.8	19,095	72.7	13,693		
WTMJ-TV D32 DT APP		28.3	6,071			16.1	669
WMAQ-TV D33 DT BL		60.3	57,336	48.2	51,934	48.2	51,934

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Interference to BLANK0000025115 CP, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4044.8	5,541,100	4044.8	5,541,100	3911.8	5,470,071	3968.3	5,483,095
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		84.8	19,095	72.7	13,693		
WTMJ-TV D32 DT APP		28.3	6,071			16.1	669
WMAQ-TV D33 DT BL		60.3	57,336	48.2	51,934	48.2	51,934

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Interference to BLANK0000025115 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4044.8	5,541,100	4044.8	5,541,100	3911.8	5,470,071	3968.3	5,483,095
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		84.8	19,095	72.7	13,693		
WTMJ-TV D32 DT APP		28.3	6,071			16.1	669
WMAQ-TV D33 DT BL		60.3	57,336	48.2	51,934	48.2	51,934

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Interference to DTVBL189058 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4048.8	5,541,816	4048.8	5,541,816	3919.8	5,471,688	3972.3	5,483,811
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		80.7	18,194	72.7	17,849		
WTMJ-TV D32 DT APP		28.3	6,071		20.2	5,726	
WMAQ-TV D33 DT BL		56.3	52,279	48.2	51,934	48.2	51,934

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Interference to DTVBL189058 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4048.8	5,541,816	4048.8	5,541,816	3919.8	5,471,688	3972.3	5,483,811
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		80.7	18,194	72.7	17,849		
WTMJ-TV D32 DT APP		28.3	6,071		20.2	5,726	
WMAQ-TV D33 DT BL		56.3	52,279	48.2	51,934	48.2	51,934

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Interference to DTVBL189058 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4048.8	5,541,816	4048.8	5,541,816	3919.8	5,471,688	3972.3	5,483,811
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		80.7	18,194	72.7	17,849		
WTMJ-TV D32 DT APP		28.3	6,071		20.2	5,726	
WMAQ-TV D33 DT BL		56.3	52,279	48.2	51,934	48.2	51,934

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Interference to DTVBL189058 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	140.0 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		140.0
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	197.1
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	255.3
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	37.0
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX
4048.8	5,541,816	4048.8	5,541,816	3919.8	5,471,688	3972.3	5,483,811
Undesired			Total IX		Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		80.7	18,194	72.7	17,849		
WTMJ-TV D32 DT APP		28.3	6,071		20.2	5,726	
WMAQ-TV D33 DT BL		56.3	52,279	48.2	51,934	48.2	51,934

Interference to BLCDT20091110ADL LIC, scenario 1

Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 2

Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 3

Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 4

Proposal causes no interference.

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Interference to BLCDT20091110ADL LIC, scenario 5
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 6
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 7
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 8
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 9
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 10
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 11
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 12
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 13
Proposal causes no interference.

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Interference to BLCDT20091110ADL LIC, scenario 14
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 15
Proposal causes no interference.

Interference to BLCDT20091110ADL LIC, scenario 16
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 6
Proposal causes no interference.

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Interference to DTVBL39270 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 9
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 10
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 11
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 12
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 13
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 14
Proposal causes no interference.

Interference to DTVBL39270 BL, scenario 15
Proposal causes no interference.

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Interference to DTVBL39270 BL, scenario 16
Proposal causes no interference.

Interference to BLCDT20091217ACU LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	236.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		236.5
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	118.0
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	338.8
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	338.5
	WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	252.3
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	255.3
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	176.2
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	154.9
Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25252.8	537,340	25072.8	534,314	24925.4	532,574	24945.3	532,612
Undesired			Total IX	Unique IX, before	Unique IX, after		
WTMJ-TV D32 DT BL		55.8	769	31.9	246		
WTMJ-TV D32 DT APP		31.9	729		12.0	208	
WDIV-TV D32 DT BL		71.8	739	71.8	739	71.8	739
WJMN-TV D32 DT BL		43.6	755	19.8	232	23.8	234

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Interference to BLCDT20091217ACU LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	236.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		236.5
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	118.0
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	338.8
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	338.5
	WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	252.3
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	255.3
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	176.2
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	154.9
Service area							
25252.8	537,340	25072.8	534,314	24925.4	532,574	24945.3	532,612
Undesired							
WTMJ-TV D32 DT BL	55.8	Total IX	769	Unique IX, before	31.9	246	IX-free, after
WTMJ-TV D32 DT APP	31.9		729			12.0	208
WDIV-TV D32 DT BL	71.8		739		71.8	739	
WJMN-TV D32 DT BL	43.6		755		19.8	232	Unique IX, after
					23.8	234	

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Interference to BLCDT20091217ACU LIC, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	236.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		236.5
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	118.0
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	338.8
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	338.5
	WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	252.3
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	255.3
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	176.2
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	154.9
Service area							
25252.8	537,340	25072.8	534,314	24925.4	532,574	24945.3	532,612
Undesired							
WTMJ-TV D32 DT BL	55.8	Total IX	769	Unique IX, before	31.9	246	IX-free, after
WTMJ-TV D32 DT APP	31.9		729		12.0	208	
WDIV-TV D32 DT BL	71.8		739		71.8	739	
WJMN-TV D32 DT BL	43.6		755		19.8	232	Unique IX, after
					23.8	234	Percent New IX
					-0.08	-0.01	

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Interference to BLCDT20091217ACU LIC, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	236.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		236.5
	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	118.0
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	338.8
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	338.5
	WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	252.3
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	255.3
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	176.2
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	154.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25252.8 537,340	25072.8 534,314	24925.4 532,574	24945.3 532,612	-0.08 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WTMJ-TV D32 DT BL	55.8	769	31.9
WTMJ-TV D32 DT APP	31.9	729	12.0
WDIV-TV D32 DT BL	71.8	739	71.8
WJMN-TV D32 DT BL	43.6	755	23.8
		246	208
		739	739
		232	234

Interference to DTVBL53114 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 2

Proposal causes no interference.

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Interference to DTVBL53114 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL53114 BL, scenario 8
Proposal causes no interference.

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Interference to DTVBL9630 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	346.6 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		346.6
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	255.3
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
22105.4	160,990	22009.7	154,634	22001.7	154,634	22001.7	154,634
Undesired		Total IX			Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL	8.0	0	0.0	0			
WTMJ-TV D32 DT APP	4.0	0			0.0	0	
WFQX-TV D32 DT LIC	8.0	0	0.0	0	4.0	0	

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Interference to DTVBL47905 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area							
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired							
WTMJ-TV D32 DT BL	48.1	3,721	48.1	3,721			
WTMJ-TV D32 DT APP	52.1	3,967			52.1	3,967	
WAOE D33 DT BL	4.0	34	0.0	0	0.0	0	
WKAR-TV D33 DT BL	16.1	300	16.1	300	16.1	300	
WLAX D33 DT BL	4.0	34	0.0	0	0.0	0	
WCPX-TV D34 DT BL	8.1	248	8.1	248	8.1	248	

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Interference to DTVBL47905 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area					Terrain-limited	IX-free, before	IX-free, after
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired				Total IX	Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		48.1		3,721	48.1	3,721	
WTMJ-TV D32 DT APP		52.1		3,967		52.1	3,967
WAOE D33 DT BL		4.0		34	0.0	0.0	0
WKAR-TV D33 DT BL		16.1		300	16.1	300	
WLAX D33 DT BL		4.0		34	0.0	0.0	0
WCPX-TV D34 DT BL		8.1		248	8.1	248	

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Interference to DTVBL47905 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area							
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired							
WTMJ-TV D32 DT BL	48.1	3,721	48.1	3,721			
WTMJ-TV D32 DT APP	52.1	3,967			52.1	3,967	
WAOE D33 DT BL	4.0	34	0.0	0	0.0	0	
WKAR-TV D33 DT BL	16.1	300	16.1	300	16.1	300	
WLAX D33 DT BL	4.0	34	0.0	0	0.0	0	
WCPX-TV D34 DT BL	8.1	248	8.1	248	8.1	248	

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Interference to DTVBL47905 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area							
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired							
WTMJ-TV D32 DT BL		48.1		3,721	48.1	3,721	
WTMJ-TV D32 DT APP		52.1		3,967		52.1	3,967
WAOE D33 DT BL		4.0		34	0.0	0	0
WKAR-TV D33 DT BL		16.1		300	16.1	300	
WLAX D33 DT BL		4.0		34	0.0	0	0
WCPX-TV D34 DT BL		8.1		248	8.1	248	
Total IX					Unique IX, before	Unique IX, after	

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Interference to DTVBL47905 BL, scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area							
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired							
WTMJ-TV D32 DT BL		48.1		3,721	48.1	3,721	
WTMJ-TV D32 DT APP		52.1		3,967		52.1	3,967
WAOE D33 DT BL		4.0		34	0.0	0	0
WKAR-TV D33 DT BL		16.1		300	16.1	300	
WLAX D33 DT BL		4.0		34	0.0	0	0
WCPX-TV D34 DT BL		8.1		248	8.1	248	
Total IX					Unique IX, before	Unique IX, after	

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Interference to DTVBL47905 BL, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area					Terrain-limited	IX-free, before	IX-free, after
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired					Total IX	Unique IX, before	Unique IX, after
WTMJ-TV D32 DT BL		48.1		3,721	48.1	3,721	
WTMJ-TV D32 DT APP		52.1		3,967			52.1 3,967
WAOE D33 DT BL		4.0		34	0.0	0	0.0 0
WKAR-TV D33 DT BL		16.1		300	16.1	300	16.1 300
WLAX D33 DT BL		4.0		34	0.0	0	0.0 0
WCPX-TV D34 DT BL		8.1		248	8.1	248	8.1 248

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Interference to DTVBL47905 BL, scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area							
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired							
WTMJ-TV D32 DT BL	48.1	3,721	48.1	3,721			
WTMJ-TV D32 DT APP	52.1	3,967			52.1	3,967	
WAOE D33 DT BL	4.0	34	0.0	0	0.0	0	
WKAR-TV D33 DT BL	16.1	300	16.1	300	16.1	300	
WLAX D33 DT BL	4.0	34	0.0	0	0.0	0	
WCPX-TV D34 DT BL	8.1	248	8.1	248	8.1	248	

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Interference to DTVBL47905 BL, scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	
Undesireds:	WTMJ-TV	D32	DT	BL	MILWAUKEE, WI	DTVBL74098	136.5 km
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		136.5
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	37.0
	WAOE	D33	DT	BL	PEORIA, IL	DTVBL52280	211.7
	WTIU	D33	DT	BL	BLOOMINGTON, IN	DTVBL66536	319.1
	WKAR-TV	D33	DT	BL	EAST LANSING, MI	DTVBL6104	280.3
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	173.0
	WOKZ-CD	D33	DC	BL	KALAMAZOO, MI	DTVBL36841	171.0
	WHIO-TV	D33	DT	BL	DAYTON, OH	DTVBL41458	371.6
	WLAX	D33	DT	BL	LA CROSSE, WI	DTVBL2710	372.1
	WCPX-TV	D34	DT	BL	CHICAGO, IL	DTVBL10981	0.0
	WWRS-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547	187.8
Service area					Terrain-limited	IX-free, before	IX-free, after
32428.9	9,914,473	32380.8	9,912,797	32304.5	9,908,494	32300.5	9,908,248
Undesired				Total IX	Unique IX, before	Unique IX, after	
WTMJ-TV D32 DT BL		48.1		3,721	48.1	3,721	
WTMJ-TV D32 DT APP		52.1		3,967		52.1	3,967
WAOE D33 DT BL		4.0		34	0.0	0	0
WKAR-TV D33 DT BL		16.1		300	16.1	300	
WLAX D33 DT BL		4.0		34	0.0	0	0
WCPX-TV D34 DT BL		8.1		248	8.1	248	

Interference to BLDTA20120316ACT LIC, scenario 1
 Proposal causes no interference.

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Interference to proposal, scenario 1

2.93% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area							
23927.7	2,964,470	23754.8	2,949,073	23535.0	IX-free	Percent IX	
					2,862,797	0.93	2.93

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT CP	23.9	1,226	0.10	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 2

2.93% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area							
23927.7	2,964,470	23754.8	2,949,073	23535.0	IX-free	Percent IX	
					2,862,797	0.93	2.93

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT CP	23.9	1,226	0.10	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 3

2.92% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	BL	MILWAUKEE, WI	DTVBL73107	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area					Terrain-limited	IX-free	Percent IX
23927.7	2,964,470	23754.8	2,949,073	23539.0	2,862,818	0.91	2.92

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT BL	20.0	1,205	0.08	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 4

2.92% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	BL	MILWAUKEE, WI	DTVBL73107	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area					Terrain-limited	IX-free	Percent IX
23927.7	2,964,470	23754.8	2,949,073	23539.0	2,862,818	0.91	2.92

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT BL	20.0	1,205	0.08	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 5

2.93% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area							
23927.7	2,964,470	23754.8	2,949,073	23535.0	IX-free	Percent IX	
					2,862,797	0.93	2.93

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT CP	23.9	1,226	0.10	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 6

2.93% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	CP	MILWAUKEE, WI	BLANK0000024875	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area							
23927.7	2,964,470	23754.8	2,949,073	23535.0	IX-free	Percent IX	
					2,862,797	0.93	2.93

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT CP	23.9	1,226	0.10	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 7

2.92% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	BL	MILWAUKEE, WI	DTVBL73107	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	CP	PLANO, IL	BLANK0000025115	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area					Terrain-limited	IX-free	Percent IX
23927.7	2,964,470	23754.8	2,949,073	23539.0	2,862,818	0.91	2.92

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT BL	20.0	1,205	0.08	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56

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Interference to proposal, scenario 8

2.92% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTMJ-TV	D32	DT	APP	Milwaukee, WI		
Undesireds:	WMKG-CD	D31	DC	BL	MUSKEGON, MI	DTVBL33869	142.9 km
	WITI	D31	DT	BL	MILWAUKEE, WI	DTVBL73107	0.4
	WICD	D32	DT	BL	CHAMPAIGN, IL	DTVBL25684	335.9
	WLPD-CD	D32	DC	BL	PLANO, IL	DTVBL189058	140.0
	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	315.7
	WFQX-TV	D32	DT	LIC	CADILLAC, MI	BLCDT20091217ACU	236.5
	WJMN-TV	D32	DT	BL	ESCANABA, MI	DTVBL9630	346.6
	WMAQ-TV	D33	DT	BL	CHICAGO, IL	DTVBL47905	136.5
	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	161.3
Service area					Terrain-limited	IX-free	Percent IX
23927.7	2,964,470	23754.8	2,949,073	23539.0	2,862,818	0.91	2.92

Undesired	Total IX	Unique IX	Prcnt Unique IX	Unique IX
WITI D31 DT BL	20.0	1,205	0.08	0.04
WICD D32 DT BL	4.0	151	0.00	0.00
WFQX-TV D32 DT LIC	32.2	8,872	0.03	0.00
WJMN-TV D32 DT BL	36.2	9,352	0.05	0.02
WMAQ-TV D33 DT BL	151.6	75,619	0.62	2.56