

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: WIFS Option 1 170 kW 2-1, Model: Longley-Rice
Start: 2017.10.26 10:40:56

Study created: 2017.10.26 10:39:39

Study build station data: LMS TV 2017-10-24 (41)

Proposal: WIFS D21 DT LIC JANESVILLE, WI
File number: WIFS Option 1 170 kW 2-1
Facility ID: 26025
Station data: User record
Record ID: 1189
Country: U.S.
Zone: I

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WHA-TV	D20	DT	LIC	MADISON, WI	BLEDT20091229ACK	0.0 km
KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	237.9
KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	237.9
WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	203.4
WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	203.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
Latitude: 43 3 21.00 N (NAD83)
Longitude: 89 32 6.00 W
Height AMSL: 769.0 m
HAAT: 470.0 m
Peak ERP: 170 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.0

39.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	170 kW	476.0 m	99.0 km
45.0	170	500.8	101.1
90.0	170	490.9	100.3
135.0	170	454.0	97.2
180.0	170	476.0	99.0
225.0	170	455.4	97.3
270.0	170	446.5	96.7
315.0	170	456.4	97.4

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 531.5 km

Distance to Mexican border: 1814.4 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 98.5 degrees Distance: 296.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 261.4 degrees Distance: 1341.2 km

No land mobile station failures found

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 BLEDT20091229ACK LIC, scenario 1

Desired:	Call WHA-TV	Chan D20	Svc DT	Status LIC	City, State MADISON, WI	File Number BLEDT20091229ACK	Distance
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	3.9 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	0.0
	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	3.9
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	203.3
	WAND	D20	DT	CP	DECATUR, IL	BLANK0000028607	349.9
	WCMW	D20	DT	CP	MANISTEE, MI	BLANK0000027385	281.3
	KSMQ-TV	D20	DT	LIC	AUSTIN, MN	BLEDT20081223AAK	250.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28878.3	1,497,856	28626.6	1,492,117	28194.6 1,481,650	28202.5 1,481,703	-0.03 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	51.8	989	7.9	53
WIFS D21 DT LIC	8.0	65		0.0 0
WMTV D19 DT LIC	55.8	1,246	12.0	310 55.8 1,246
WWME-CD D20 DC CP	19.9	497	12.0	474 12.0 474
WAND D20 DT CP	20.0	126	8.0	112 8.0 112
KSMQ-TV D20 DT LIC	348.3	8,582	328.5	8,545 320.4 8,480

Interference to BLEDT20091229ACK LIC, scenario 2

Desired:	Call WHA-TV	Chan D20	Svc DT	Status LIC	City, State MADISON, WI	File Number BLEDT20091229ACK	Distance
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	3.9 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	0.0
	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	3.9
	WWME-CD	D20	DC	BL	CHICAGO, IL	DTVBL71425	203.3
	WAND	D20	DT	CP	DECATUR, IL	BLANK0000028607	349.9
	WCMW	D20	DT	CP	MANISTEE, MI	BLANK0000027385	281.3
	KSMQ-TV	D20	DT	LIC	AUSTIN, MN	BLEDT20081223AAK	250.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28878.3	1,497,856	28626.6	1,492,117	28194.6 1,481,650	28202.5 1,481,703	-0.03 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	51.8	989	7.9	53
WIFS D21 DT LIC	8.0	65		0.0 0
WMTV D19 DT LIC	55.8	1,246	12.0	310 55.8 1,246
WWME-CD D20 DC BL	19.9	497	12.0	474 12.0 474
WAND D20 DT CP	20.0	126	8.0	112 8.0 112
KSMQ-TV D20 DT LIC	348.3	8,582	328.5	8,545 320.4 8,480

Interference to BLEDT20091229ACK LIC, scenario 3

Desired:	Call WHA-TV	Chan D20	Svc DT	Status LIC	City, State MADISON, WI	File Number BLEDT20091229ACK	Distance
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	3.9 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	0.0
	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	3.9
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	203.3
	WAND	D20	DT	BL	DECATUR, IL	DTVBL70852	349.9
	WCMW	D20	DT	CP	MANISTEE, MI	BLANK0000027385	281.3
	KSMQ-TV	D20	DT	LIC	AUSTIN, MN	BLEDT20081223AAK	250.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28878.3	1,497,856	28626.6	1,492,117	28190.5 1,481,639	28198.5 1,481,692	-0.03 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	51.8	989	7.9	53
WIFS D21 DT LIC	8.0	65		0.0 0
WMTV D19 DT LIC	55.8	1,246	12.0	310 55.8 1,246
WWME-CD D20 DC CP	19.9	497	12.0	474 12.0 474
WAND D20 DT BL	24.0	137	12.0	123 12.0 123
KSMQ-TV D20 DT LIC	348.3	8,582	328.5	8,545 320.4 8,480

Interference to BLEDT20091229ACK LIC, scenario 4

Desired:	Call WHA-TV	Chan D20	Svc DT	Status LIC	City, State MADISON, WI	File Number BLEDT20091229ACK	Distance
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28368.8	893,814	28328.7	892,454	28264.4	890,936	28224.2	890,367	0.14	0.06
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Undesired			Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	40.1	275	36.1	260	
WIFS D21 DT LIC	80.4	844			76.4 829
WJYS D21 DT CP	4.0	15	0.0	0	0.0 0
KTAJ-TV D21 DT LIC	4.0	198	4.0	198	4.0 198
KPXR-TV D22 DT BL	20.1	1,045	20.1	1,045	20.1 1,045

Interference to BLANK0000028473 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	239.1 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	237.9
	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	276.7
	KTAJ-TV	D21	DT	LIC	ST. JOSEPH, MO	BLCDT20060703AAK	393.0
	KEFN-CD	D21z	DC	CP	ST. LOUIS, MO	BLANK0000027201	303.9
	KPXR-TV	D22	DT	BL	CEDAR RAPIDS, IA	DTVBL21156	156.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28368.8	893,814	28328.7	892,454	28264.4	890,936	28224.2 890,367	0.14 0.06

Undesired			Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	40.1	275	36.1	260	
WIFS D21 DT LIC	80.4	844			76.4 829
WJYS D21 DT BL	4.0	15	0.0	0	0.0 0
KTAJ-TV D21 DT LIC	4.0	198	4.0	198	4.0 198
KPXR-TV D22 DT BL	20.1	1,045	20.1	1,045	20.1 1,045

Interference to DTVBL7841 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	239.1 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	237.9
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	276.7
	KTAJ-TV	D21	DT	LIC	ST. JOSEPH, MO	BLCDT20060703AAK	393.0
	KEFN-CD	D21z	DC	CP	ST. LOUIS, MO	BLANK0000027201	303.9
	KPXR-TV	D22	DT	CP	CEDAR RAPIDS, IA	BLANK0000026998	156.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27915.0	885,722	27867.0	884,353	27818.8	882,914	27770.4 882,344	0.17 0.06

Undesired			Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	28.1	216	28.1	216	
WIFS D21 DT LIC	80.5	1,055			76.4 786
KTAJ-TV D21 DT LIC	4.0	198	4.0	198	4.0 198
KPXR-TV D22 DT CP	16.1	1,025	16.1	1,025	12.1 756

Interference to DTVBL7841 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	239.1 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	237.9
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	276.7
	KTAJ-TV	D21	DT	LIC	ST. JOSEPH, MO	BLCDT20060703AAK	393.0
	KEFN-CD	D21z	DC	CP	ST. LOUIS, MO	BLANK0000027201	303.9
	KPXR-TV	D22	DT	BL	CEDAR RAPIDS, IA	DTVBL21156	156.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27915.0	885,722	27867.0	884,353	27818.8	882,914	27770.4 882,344	0.17 0.06

Undesired			Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	28.1	216	28.1	216	
WIFS D21 DT LIC	80.5	1,055			76.4 786
KTAJ-TV D21 DT LIC	4.0	198	4.0	198	4.0 198
KPXR-TV D22 DT BL	16.1	1,025	16.1	1,025	12.1 756

Interference to BLANK0000028644 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25446.4 9,647,307	25446.4 9,647,307	24332.0 9,538,438	24232.0 9,517,184	0.41 0.22

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	740.7 93,836	732.7 84,754	
WIFS D21 DT LIC	861.0 115,242		832.7 106,008
KGCW D21 DT CP	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	16.2 168	4.0 30
WZPX-TV D21 DT CP	4.0 0	0.0 0	0.0 0
WLS-TV D22 DT CP	361.5 23,947	345.4 14,821	345.4 14,821

Interference to BLANK0000028644 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25446.4 9,647,307	25446.4 9,647,307	24400.1 9,533,145	24300.1 9,511,891	0.41 0.22

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	740.7 93,836	732.7 84,754	
WIFS D21 DT LIC	861.0 115,242		832.7 106,008
KGCW D21 DT CP	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	20.2 198	8.1 60
WZPX-TV D21 DT CP	4.0 0	0.0 0	0.0 0
WLS-TV D22 DT BL	289.4 29,210	277.3 20,114	277.3 20,114

Interference to BLANK0000028644 CP, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25446.4 9,647,307	25446.4 9,647,307	24332.0 9,538,438	24232.0 9,517,184	0.41 0.22

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	740.7 93,836	732.7 84,754	
WIFS D21 DT LIC	861.0 115,242		832.7 106,008
KGCW D21 DT BL	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	16.2 168	4.0 30
WZPX-TV D21 DT CP	4.0 0	0.0 0	0.0 0
WLS-TV D22 DT CP	361.5 23,947	345.4 14,821	345.4 14,821

Interference to BLANK0000028644 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24400.1	9,533,145	24300.1 9,511,891	0.41 0.22
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		740.7	93,836	732.7	84,754		
WIFS D21 DT LIC		861.0	115,242			832.7 106,008	
KGCW D21 DT BL		4.0	0	0.0	0	0.0 0	
WFYI D21 DT LIC		28.3	212	20.2	198	8.1 60	
WZPX-TV D21 DT CP		4.0	0	0.0	0	0.0 0	
WLS-TV D22 DT BL		289.4	29,210	277.3	20,114	277.3 20,114	

Interference to BLANK0000028644 CP, scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24332.0	9,538,438	24232.0 9,517,184	0.41 0.22
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		740.7	93,836	732.7	84,754		
WIFS D21 DT LIC		861.0	115,242			832.7 106,008	
KGCW D21 DT CP		4.0	0	0.0	0	0.0 0	
WFYI D21 DT LIC		28.3	212	12.1	122	4.0 30	
WZPX-TV D21 DT BL		8.0	46	0.0	0	0.0 0	
WLS-TV D22 DT CP		361.5	23,947	345.4	14,821	345.4 14,821	

Interference to BLANK0000028644 CP, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24400.1	9,533,145	24300.1 9,511,891	0.41 0.22
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		740.7	93,836	732.7	84,754		
WIFS D21 DT LIC		861.0	115,242			832.7 106,008	
KGCW D21 DT CP		4.0	0	0.0	0	0.0 0	
WFYI D21 DT LIC		28.3	212	16.2	152	8.1 60	
WZPX-TV D21 DT BL		8.0	46	0.0	0	0.0 0	
WLS-TV D22 DT BL		289.4	29,210	277.3	20,114	277.3 20,114	

Interference to BLANK0000028644 CP, scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4		9,647,307		25446.4		24232.0 9,517,184	0.41 0.22
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		740.7		93,836	732.7	84,754	
WIFS D21 DT LIC		861.0		115,242		832.7 106,008	
KGCW D21 DT BL		4.0		0	0.0	0	
WFYI D21 DT LIC		28.3		212	12.1	122	
WZPX-TV D21 DT BL		8.0		46	0.0	0	
WLS-TV D22 DT CP		361.5		23,947	345.4	14,821	

Interference to BLANK0000028644 CP, scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.1
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4		9,647,307		25446.4		24300.1 9,511,891	0.41 0.22
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		740.7		93,836	732.7	84,754	
WIFS D21 DT LIC		861.0		115,242		832.7 106,008	
KGCW D21 DT BL		4.0		0	0.0	0	
WFYI D21 DT LIC		28.3		212	16.2	152	
WZPX-TV D21 DT BL		8.0		46	0.0	0	
WLS-TV D22 DT BL		289.4		29,210	277.3	20,114	

Interference to DTVBL32334 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4		9,647,307		25446.4		24240.0 9,527,855	0.41 0.24
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIFS D21 DT BL		748.7		92,550	736.7	83,346	
WIFS D21 DT LIC		869.0		115,449		836.8 106,093	
KGCW D21 DT CP		4.0		0	0.0	0	
WFYI D21 DT LIC		28.3		212	16.2	168	

WLS-TV D22 DT CP	349.4	13,191	329.3	3,943	329.3	3,943
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Interference to DTVBL32334 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24420.2	9,550,381	24320.2 9,527,634	0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT CP	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	20.2 198	8.1 60
WLS-TV D22 DT BL	265.2 13,382	249.1 4,164	249.1 4,164

Interference to DTVBL32334 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24340.1	9,550,602	24240.0 9,527,855	0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT BL	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	16.2 168	4.0 30
WLS-TV D22 DT CP	349.4 13,191	329.3 3,943	329.3 3,943

Interference to DTVBL32334 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25446.4	9,647,307	25446.4	9,647,307	24420.2	9,550,381	24320.2 9,527,634	0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT BL	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	20.2 198	8.1 60
WLS-TV D22 DT BL	265.2 13,382	249.1 4,164	249.1 4,164

Interference to DTVBL32334 BL, scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	25446.4	9,647,307	25446.4 9,647,307	24340.1 9,550,602	24240.0 9,527,855
					0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT CP	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	12.1 122	4.0 30
WZPX-TV D21 DT BL	8.0 46	0.0 0	0.0 0
WLS-TV D22 DT CP	349.4 13,191	329.3 3,943	329.3 3,943

Interference to DTVBL32334 BL, scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	25446.4	9,647,307	25446.4 9,647,307	24420.2 9,550,381	24320.2 9,527,634
					0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT CP	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	16.2 152	8.1 60
WZPX-TV D21 DT BL	8.0 46	0.0 0	0.0 0
WLS-TV D22 DT BL	265.2 13,382	249.1 4,164	249.1 4,164

Interference to DTVBL32334 BL, scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000025941	0.0

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	25446.4	9,647,307	25446.4 9,647,307	24340.1 9,550,602	24240.0 9,527,855
					0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT BL	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	12.1 122	4.0 30

WZPX-TV D21 DT BL	8.0	46	0.0	0	0.0	0
WLS-TV D22 DT CP	349.4	13,191	329.3	3,943	329.3	3,943

Interference to DTVBL32334 BL, scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	
Undesireds:	WIFS	D21	DT	BL	JANESVILLE, WI	DTVBL26025	200.0 km
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	203.4
	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000028191	0.0
	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	276.7
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	250.9
	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000028883	387.4
	WZPX-TV	D21	DT	BL	BATTLE CREEK, MI	DTVBL71871	229.3
	WWJ-TV	D21	DT	APP	DETROIT, MI	BLANK0000025826	373.0
	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25446.4 9,647,307	25446.4 9,647,307	24420.2 9,550,381	24320.2 9,527,634	0.41 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WIFS D21 DT BL	748.7 92,550	736.7 83,346	
WIFS D21 DT LIC	869.0 115,449		836.8 106,093
KGCW D21 DT BL	4.0 0	0.0 0	0.0 0
WFYI D21 DT LIC	28.3 212	16.2 152	8.1 60
WZPX-TV D21 DT BL	8.0 46	0.0 0	0.0 0
WLS-TV D22 DT BL	265.2 13,382	249.1 4,164	249.1 4,164

Interference to proposal, scenario 1
2.23% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	
Undesireds:	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	237.9 km
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	203.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	366.4
	WFRV-TV	D22	DT	CP	GREEN BAY, WI	BLANK0000027552	189.0

Service area	Terrain-limited	IX-free	Percent IX
30465.4 1,617,991	30133.9 1,611,003	29473.3 1,575,135	2.19 2.23

Undesired	Total IX	Unique IX	Prcnt Unique IX
KGCW D21 DT CP	268.1 6,579	252.1 6,328	0.84 0.39
WJYS D21 DT CP	408.5 29,540	392.5 29,289	1.30 1.82

Interference to proposal, scenario 2
2.19% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	
Undesireds:	KGCW	D21	DT	CP	BURLINGTON, IA	BLANK0000028473	237.9 km
	WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	203.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	366.4
	WFRV-TV	D22	DT	CP	GREEN BAY, WI	BLANK0000027552	189.0

Service area	Terrain-limited	IX-free	Percent IX
30465.4 1,617,991	30133.9 1,611,003	29469.3 1,575,672	2.21 2.19

Undesired	Total IX	Unique IX	Prcnt Unique IX
KGCW D21 DT CP	268.1 6,579	252.1 6,328	0.84 0.39
WJYS D21 DT BL	412.5 29,003	396.5 28,752	1.32 1.78

Interference to proposal, scenario 3
2.21% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	
Undesireds:	KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	237.9 km
	WJYS	D21	DT	CP	HAMMOND, IN	BLANK0000028644	203.4
	WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	366.4
	WFRV-TV	D22	DT	CP	GREEN BAY, WI	BLANK0000027552	189.0

Service area	Terrain-limited	IX-free	Percent IX
30465.4 1,617,991	30133.9 1,611,003	29505.3 1,575,381	2.09 2.21
Undesired	Total IX	Unique IX	Prcnt Unique IX
KGCW D21 DT BL	236.1 6,333	220.1 6,082	0.73 0.38
WJYS D21 DT CP	408.5 29,540	392.5 29,289	1.30 1.82

Interference to proposal, scenario 4
2.18% interference

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WIFS	D21	DT	LIC	JANESVILLE, WI	WIFS Option 1 170 kW 2	
Undesireds: KGCW	D21	DT	BL	BURLINGTON, IA	DTVBL7841	237.9 km
WJYS	D21	DT	BL	HAMMOND, IN	DTVBL32334	203.4
WZPX-TV	D21	DT	CP	BATTLE CREEK, MI	BLANK0000026967	366.4
WFRV-TV	D22	DT	CP	GREEN BAY, WI	BLANK0000027552	189.0

Service area	Terrain-limited	IX-free	Percent IX
30465.4 1,617,991	30133.9 1,611,003	29501.3 1,575,918	2.10 2.18
Undesired	Total IX	Unique IX	Prcnt Unique IX
KGCW D21 DT BL	236.1 6,333	220.1 6,082	0.73 0.38
WJYS D21 DT BL	412.5 29,003	396.5 28,752	1.32 1.78