



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

tvstudy v2.2.3 (DAezul)

Database: localhost, Study: WLAJ-D14 OMNI 950 kW at WLNS, Model: Longley-Rice
Start: 2017.11.01 19:16:47

Study created: 2017.11.01 19:16:03

Study build station data: LMS TV 2017-10-30 (61)

Proposal: WLAJ D14 DT BL LANSING, MI

File number: DTVBL36533

Facility ID: 36533

Station data: User record

Record ID: 1575

Country: U.S.

Zone: I

Search options:

Non-U.S. records included

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	322.3 km
WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	344.6
WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLEDT20030922ABG	111.3
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	206.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14

Latitude: 42 41 19.00 N (NAD83)

Longitude: 84 22 35.00 W

Height AMSL: 560.0 m

HAAT: 289.8 m

Peak ERP: 950 kW

Antenna: TUE-O5SP-12/60H-1-M-B (OMNI) 0.0 deg

Elev Pattn: Generic

Elec Tilt: 0.75

38.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	950 kW	298.2 m	100.9 km
45.0	950	287.8	99.7
90.0	950	293.4	100.4
135.0	950	282.1	99.0
180.0	950	274.9	98.1
225.0	950	286.3	99.5
270.0	950	295.1	100.6
315.0	950	300.3	101.2

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

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 113.9 km

Distance to Mexican border: 2088.0 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 266.4 degrees Distance: 129.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 267.8 degrees Distance: 1755.8 km

**Proposal fails distance check to land mobile station: Detroit MI ch. 15, 115.8 km
Note Assigned Facility fails distance check to land mobile station: Detroit MI ch. 15, 121.5 km
Therefore, proposed facility improves the separation by 5.7 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 BLCDT20050823AAD LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8 2,756,260	27872.2 2,712,989	27295.9 2,683,686	27264.0 2,682,406	0.12 0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL 168.5	12,663	4.0 92	
WLAJ D14 DT BL 236.4	9,630		35.9 1,372
WLKY D14 DT CP 156.3	9,682	100.1 2,630	108.2 8,610
WLFG D14 DT CP 99.6	2,277	75.7 1,883	75.7 1,883
WOHL-CD D15 DC APP 304.5	16,297	172.2 10,336	136.2 9,503
WQCW D15 DT CP 31.9	547	23.9 465	23.9 465
CHCH-DT-2 D14 DT LIC 16.0	1,214	12.0 932	4.0 98

Interference to BLCDT20050823AAD LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5

CHCH-DT-2 D14		DT	LIC	LONDON, ON		BLANKCANADA189		333.5	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28659.8	2,756,260	27872.2	2,712,989	27288.0	2,683,748	27256.0	2,682,468	0.12	0.05
Undesired		Total IX		Unique IX, before		Unique IX, after			
WLAJ D14 DT BL	168.5	12,663	4.0	92					
WLAJ D14 DT BL	236.4	9,630			35.9	1,372			
WLKY D14 DT CP	156.3	9,682	100.1	2,630	108.2	8,610			
WLFG D14 DT CP	99.6	2,277	71.7	1,861	71.7	1,861			
WOHL-CD D15 DC APP	304.5	16,297	172.2	10,336	136.2	9,503			
WQCW D15 DT BL	43.8	507	31.9	403	31.9	403			
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98			

Interference to BLCDT20050823AAD LIC, scenario 3

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds: WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28659.8	2,756,260	27872.2	2,712,989	27267.9	2,682,072	27239.9	2,680,835	0.10	0.05
Undesired		Total IX		Unique IX, before		Unique IX, after			
WLAJ D14 DT BL	168.5	12,663	4.0	92					
WLAJ D14 DT BL	236.4	9,630			31.9	1,329			
WLKY D14 DT BL	184.4	11,296	128.1	4,244	132.2	10,181			
WLFG D14 DT CP	99.6	2,277	75.7	1,883	75.7	1,883			
WOHL-CD D15 DC APP	304.5	16,297	172.2	10,336	136.2	9,503			
WQCW D15 DT CP	31.9	547	23.9	465	23.9	465			
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98			

Interference to BLCDT20050823AAD LIC, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD			
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km		
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3		
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0		
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8		
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9		
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7		
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5		
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28659.8	2,756,260	27872.2	2,712,989	27259.9	2,682,134	27232.0	2,680,897	0.10	0.05
Undesired				Total IX		Unique IX, before		Unique IX, after	
WLAJ	D14	DT	BL	168.5	12,663	4.0	92		
WLAJ	D14	DT	BL	236.4	9,630			31.9	1,329
WLKY	D14	DT	BL	184.4	11,296	128.1	4,244	132.2	10,181
WLFG	D14	DT	CP	99.6	2,277	71.7	1,861	71.7	1,861
WOHL-CD	D15	DC	APP	304.5	16,297	172.2	10,336	136.2	9,503
WQCW	D15	DT	BL	43.8	507	31.9	403	31.9	403
CHCH-DT-2	D14	DT	LIC	16.0	1,214	12.0	932	4.0	98

Interference to BLCDT20050823AAD LIC, scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2

WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27408.1	2,692,361	27364.1	2,690,881	0.16 0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0 92	
WLAJ D14 DT BL	236.4	9,630		48.0 1,572
WLKY D14 DT CP	156.3	9,682	100.1 2,630	108.2 8,610
WLFG D14 DT CP	99.6	2,277	75.7 1,883	75.7 1,883
WOHL-CD D15 DC BL	192.3	7,622	60.1 1,661	36.0 1,028
WQCW D15 DT CP	31.9	547	23.9 465	23.9 465
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0 932	4.0 98

Interference to BLCDT20050823AAD LIC, scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27400.2	2,692,423	27356.2	2,690,943	0.16 0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0 92	
WLAJ D14 DT BL	236.4	9,630		48.0 1,572
WLKY D14 DT CP	156.3	9,682	100.1 2,630	108.2 8,610
WLFG D14 DT CP	99.6	2,277	71.7 1,861	71.7 1,861
WOHL-CD D15 DC BL	192.3	7,622	60.1 1,661	36.0 1,028
WQCW D15 DT BL	43.8	507	31.9 403	31.9 403

CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98
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Interference to BLCDT20050823AAD LIC, scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8 2,756,260	27872.2 2,712,989	27380.1 2,690,747	27340.1 2,689,310	0.15 0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL 168.5	12,663	4.0 92	
WLAJ D14 DT BL 236.4	9,630		43.9 1,529
WLKY D14 DT BL 184.4	11,296	128.1 4,244	132.2 10,181
WLFG D14 DT CP 99.6	2,277	75.7 1,883	75.7 1,883
WOHL-CD D15 DC BL 192.3	7,622	60.1 1,661	36.0 1,028
WQCW D15 DT CP 31.9	547	23.9 465	23.9 465
CHCH-DT-2 D14 DT LIC 16.0	1,214	12.0 932	4.0 98

Interference to BLCDT20050823AAD LIC, scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	CP	GRUNDY, VA	BLANK0000026306	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9

WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28659.8	2,756,260	27872.2	2,712,989	27372.1	2,690,809	27332.1	2,689,372	0.15	0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0	92
WLAJ D14 DT BL	236.4	9,630		43.9
WLKY D14 DT BL	184.4	11,296	128.1	4,244
WLFG D14 DT CP	99.6	2,277	71.7	1,861
WOHL-CD D15 DC BL	192.3	7,622	60.1	1,661
WQCW D15 DT BL	43.8	507	31.9	403
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932

Interference to BLCDDT20050823AAD LIC, scenario 9

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28659.8	2,756,260	27872.2	2,712,989	27295.9	2,683,686	27264.0	2,682,406	0.12	0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0	92
WLAJ D14 DT BL	236.4	9,630		35.9
WLKY D14 DT CP	156.3	9,682	100.1	2,630
WLFG D14 DT BL	99.6	2,277	75.7	1,883
WOHL-CD D15 DC APP	304.5	16,297	172.2	10,336

WQCW D15 DT CP	31.9	547	23.9	465	23.9	465
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98

Interference to BLCDT20050823AAD LIC, scenario 10

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27288.0
		2,683,748	27256.0	2,682,468
			0.12	0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0
WLAJ D14 DT BL	236.4	9,630	35.9
WLKY D14 DT CP	156.3	9,682	100.1
WLFG D14 DT BL	99.6	2,277	71.7
WOHL-CD D15 DC APP	304.5	16,297	172.2
WQCW D15 DT BL	43.8	507	31.9
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0

Interference to BLCDT20050823AAD LIC, scenario 11

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8

WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27267.9	2,682,072	27239.9	2,680,835	0.10 0.05

Undesired		Total IX	Unique IX, before		Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0	92	
WLAJ D14 DT BL	236.4	9,630			31.9 1,329
WLKY D14 DT BL	184.4	11,296	128.1	4,244	132.2 10,181
WLFG D14 DT BL	99.6	2,277	75.7	1,883	75.7 1,883
WOHL-CD D15 DC APP	304.5	16,297	172.2	10,336	136.2 9,503
WQCW D15 DT CP	31.9	547	23.9	465	23.9 465
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0 98

Interference to BLCDDT20050823AAD LIC, scenario 12

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	128.7
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27259.9	2,682,134	27232.0	2,680,897	0.10 0.05

Undesired		Total IX	Unique IX, before		Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0	92	
WLAJ D14 DT BL	236.4	9,630			31.9 1,329
WLKY D14 DT BL	184.4	11,296	128.1	4,244	132.2 10,181
WLFG D14 DT BL	99.6	2,277	71.7	1,861	71.7 1,861

WOHL-CD D15 DC APP	304.5	16,297	172.2	10,336	136.2	9,503
WQCW D15 DT BL	43.8	507	31.9	403	31.9	403
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98

Interference to BLCDDT20050823AAD LIC, scenario 13

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27408.1
		2,692,361	27364.1	2,690,881
			0.16	0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0
WLAJ D14 DT BL	236.4	9,630	48.0
WLKY D14 DT CP	156.3	9,682	100.1
WLFG D14 DT BL	99.6	2,277	75.7
WOHL-CD D15 DC BL	192.3	7,622	60.1
WQCW D15 DT CP	31.9	547	23.9
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0

Interference to BLCDDT20050823AAD LIC, scenario 14

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000025154	300.0

WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8 2,756,260	27872.2 2,712,989	27400.2 2,692,423	27356.2 2,690,943	0.16 0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL 168.5	12,663	4.0 92	
WLAJ D14 DT BL 236.4	9,630		48.0 1,572
WLKY D14 DT CP 156.3	9,682	100.1 2,630	108.2 8,610
WLFG D14 DT BL 99.6	2,277	71.7 1,861	71.7 1,861
WOHL-CD D15 DC BL 192.3	7,622	60.1 1,661	36.0 1,028
WQCW D15 DT BL 43.8	507	31.9 403	31.9 403
CHCH-DT-2 D14 DT LIC 16.0	1,214	12.0 932	4.0 98

Interference to BLCDT20050823AAD LIC, scenario 15

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	176.7
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8 2,756,260	27872.2 2,712,989	27380.1 2,690,747	27340.1 2,689,310	0.15 0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL 168.5	12,663	4.0 92	
WLAJ D14 DT BL 236.4	9,630		43.9 1,529
WLKY D14 DT BL 184.4	11,296	128.1 4,244	132.2 10,181

WLFG D14 DT BL	99.6	2,277	75.7	1,883	75.7	1,883
WOHL-CD D15 DC BL	192.3	7,622	60.1	1,661	36.0	1,028
WQCW D15 DT CP	31.9	547	23.9	465	23.9	465
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0	932	4.0	98

Interference to BLCDDT20050823AAD LIC, scenario 16

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	299.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	322.3
	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	300.0
	WLFG	D14	DT	BL	GRUNDY, VA	DTVBL37808	358.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	160.9
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	127.2
	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	177.5
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	333.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28659.8	2,756,260	27872.2	2,712,989	27372.1
		2,690,809	27332.1	2,689,372
				0.15
				0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	168.5	12,663	4.0
WLAJ D14 DT BL	236.4	9,630	43.9
WLKY D14 DT BL	184.4	11,296	128.1
WLFG D14 DT BL	99.6	2,277	71.7
WOHL-CD D15 DC BL	192.3	7,622	60.1
WQCW D15 DT BL	43.8	507	31.9
CHCH-DT-2 D14 DT LIC	16.0	1,214	12.0

Interference to BLANK0000026782 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	352.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	344.6

KFXB-TV	D14	DT	CP	DUBUQUE, IA	BLANK0000025324	295.2
WEUX	D14	DT	CP	CHIPPEWA FALLS, WI	BLANK0000027621	299.0
WCWF	D15	DT	CP	SURING, WI	BLANK0000027308	2.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24049.0	1,113,105	24029.1	1,112,621	23917.3	1,111,445	23913.3	1,111,354	0.02 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
WLAJ D14 DT BL	0.0	0		0.0	0	
WLAJ D14 DT BL	4.0	91				4.0 91
WEUX D14 DT CP	35.8	556		35.8	556	35.8 556
WCWF D15 DT CP	76.0	620		76.0	620	76.0 620

Interference to BLANK0000026782 CP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	352.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	344.6
	KFXB-TV	D14	DT	CP	DUBUQUE, IA	BLANK0000025324	295.2
	WEUX	D14	DT	CP	CHIPPEWA FALLS, WI	BLANK0000027621	299.0
	WCWF	D15	DT	BL	SURING, WI	DTVBL73042	2.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24049.0	1,113,105	24029.1	1,112,621	23921.3	1,111,449	23917.3	1,111,358	0.02 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
WLAJ D14 DT BL	0.0	0		0.0	0	
WLAJ D14 DT BL	4.0	91				4.0 91
WEUX D14 DT CP	35.8	556		35.8	556	35.8 556
WCWF D15 DT BL	72.0	616		72.0	616	72.0 616

Interference to BLANK0000026782 CP, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	

Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	352.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	344.6
	KFXB-TV	D14	DT	CP	DUBUQUE, IA	BLANK0000025324	295.2
	WEUX	D14	DT	BL	CHIPPEWA FALLS, WI	DTVBL2709	299.0
	WCWF	D15	DT	CP	SURING, WI	BLANK0000027308	2.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24049.0	1,113,105	24029.1	1,112,621	23921.3	1,111,678	23917.3	1,111,587	0.02 0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	0.0	0	0.0	0
WLAJ D14 DT BL	4.0	91	4.0	91
WEUX D14 DT BL	31.9	323	31.9	323
WCWF D15 DT CP	76.0	620	76.0	620

Interference to BLANK0000026782 CP, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	352.6 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	344.6
	KFXB-TV	D14	DT	CP	DUBUQUE, IA	BLANK0000025324	295.2
	WEUX	D14	DT	BL	CHIPPEWA FALLS, WI	DTVBL2709	299.0
	WCWF	D15	DT	BL	SURING, WI	DTVBL73042	2.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24049.0	1,113,105	24029.1	1,112,621	23925.3	1,111,682	23921.3	1,111,591	0.02 0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	0.0	0	0.0	0
WLAJ D14 DT BL	4.0	91	4.0	91
WEUX D14 DT BL	31.9	323	31.9	323
WCWF D15 DT BL	72.0	616	72.0	616

Interference to BLEDT20030922ABG LIC, scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: WDCQ-TV D15 DT LIC BAD AXE, MI BLEDT20030922ABG

Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	143.1 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	111.3
	W33BY-D	D15	DC	CP	DETROIT, MI	BLANK0000026746	134.3
	WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	288.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	309.9
	WCWF	D15	DT	CP	SURING, WI	BLANK0000027308	356.9
	WOBC-CD	D16	DC	CP	BATTLE CREEK, MI	BLANK0000027730	185.6
	WSMH	D16	DT	LIC	FLINT, MI	BLCDT20090804ABG	48.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24389.7 1,269,199	24389.7 1,269,199	22997.6 1,178,286	22993.6 1,178,160	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WLAJ D14 DT BL	0.0 0	0.0 0	
WLAJ D14 DT BL	363.5 14,598		4.0 126
W33BY-D D15 DC CP	76.0 13,392	12.0 4,481	12.0 4,481
WEWS-TV D15 DT LIC	279.2 20,668	223.3 12,646	223.3 12,646
WSMH D16 DT LIC	1104.9 65,951	1092.9 64,875	733.4 50,403

Interference to BLEDT20030922ABG LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLEDT20030922ABG	
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	143.1 km
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	111.3
	W33BY-D	D15	DC	BL	DETROIT, MI	DTVBL25722	134.3
	WEWS-TV	D15	DT	LIC	CLEVELAND, OH	BLCDT20091211ACS	288.9
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	309.9
	WCWF	D15	DT	CP	SURING, WI	BLANK0000027308	356.9
	WOBC-CD	D16	DC	CP	BATTLE CREEK, MI	BLANK0000027730	185.6
	WSMH	D16	DT	LIC	FLINT, MI	BLCDT20090804ABG	48.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24389.7 1,269,199	24389.7 1,269,199	22997.6 1,178,286	22993.6 1,178,160	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
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WLAJ D14 DT BL	0.0	0	0.0	0		
WLAJ D14 DT BL	363.5	14,598			4.0	126
W33BY-D D15 DC BL	76.0	13,392	12.0	4,481	12.0	4,481
WEWS-TV D15 DT LIC	279.2	20,668	223.3	12,646	223.3	12,646
WSMH D16 DT LIC	1104.9	65,951	1092.9	64,875	733.4	50,403

Interference to BLANKCANADA189 LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189			
Undesireds:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	222.9 km		
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	206.2		
	W33BY-D	D15	DC	CP	DETROIT, MI	BLANK0000026746	111.8		
	CITS-DT	D14	DT	LIC	HAMILTON, ON	BLANKCANADA175	174.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2637.2	174,443	2637.2		174,443	2637.2	174,443	2613.4	172,636	0.90 1.04
(in U.S.)									
16062.7	766,384	16058.7		766,384	16014.7	765,916	15934.6	765,365	0.50 0.07
Undesired				Total IX	Unique IX, before	Unique IX, after			
WLAJ D14 DT BL		0.0		0	0.0	0			(in U.S.)
WLAJ D14 DT BL		23.8		1,807		23.8	1,807		(in U.S.)
WLAJ D14 DT BL		0.0		0	0.0	0			
WLAJ D14 DT BL		124.0		1,019		80.1	551		
CITS-DT D14 DT LIC		43.9		468	43.9	468	0.0	0	

Interference to proposal, scenario 1
14.31% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	
Undesireds:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDT20050823AAD	322.3 km
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	344.6
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLEDT20030922ABG	111.3
	W33BY-D	D15	DC	CP	DETROIT, MI	BLANK0000026746	109.7

WXSP-CD	D15	DC	LIC	GRAND RAPIDS, MI	BLDTA20100714AAG	116.9
CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	206.2

Service area		Terrain-limited		IX-free	Percent IX
31301.0	4,100,475	31184.7	4,063,963	29657.3	3,482,467
					4.90 14.31

Undesired		Total IX		Unique IX	Prcnt Unique IX
WCMH-TV D14 DT LIC	349.2	71,678	264.9	14,095	0.85 0.35
WGBA-TV D14 DT CP	8.0	662	0.0	0	0.00 0.00
WDCQ-TV D15 DT LIC	317.0	17,728	317.0	17,728	1.02 0.44
W33BY-D D15 DC CP	60.3	78,082	0.0	0	0.00 0.00
WXSP-CD D15 DC LIC	283.6	39,563	271.6	38,847	0.87 0.96
CHCH-DT-2 D14 DT LIC	665.9	510,164	549.5	401,364	1.76 9.88

Interference to proposal, scenario 2
14.31% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	
Undesireds:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	322.3 km
	WGBA-TV	D14	DT	CP	GREEN BAY, WI	BLANK0000026782	344.6
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLEDT20030922ABG	111.3
	W33BY-D	D15	DC	BL	DETROIT, MI	DTVBL25722	109.7
	WXSP-CD	D15	DC	LIC	GRAND RAPIDS, MI	BLDTA20100714AAG	116.9
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	206.2

Service area		Terrain-limited		IX-free	Percent IX
31301.0	4,100,475	31184.7	4,063,963	29657.3	3,482,467
					4.90 14.31

Undesired		Total IX		Unique IX	Prcnt Unique IX
WCMH-TV D14 DT LIC	349.2	71,678	264.9	14,095	0.85 0.35
WGBA-TV D14 DT CP	8.0	662	0.0	0	0.00 0.00
WDCQ-TV D15 DT LIC	317.0	17,728	317.0	17,728	1.02 0.44
W33BY-D D15 DC BL	60.3	78,082	0.0	0	0.00 0.00
WXSP-CD D15 DC LIC	283.6	39,563	271.6	38,847	0.87 0.96
CHCH-DT-2 D14 DT LIC	665.9	510,164	549.5	401,364	1.76 9.88

Interference to proposal, scenario 3
14.35% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	
Undesireds:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	322.3 km
	WGBA-TV	D14	DT	BL	GREEN BAY, WI	DTVBL2708	344.6
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLDDT20030922ABG	111.3
	W33BY-D	D15	DC	CP	DETROIT, MI	BLANK0000026746	109.7
	WXSP-CD	D15	DC	LIC	GRAND RAPIDS, MI	BLDDTA20100714AAG	116.9
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	206.2

Service area	Terrain-limited	IX-free	Percent IX
31301.0 4,100,475	31184.7 4,063,963	29641.2 3,480,792	4.95 14.35

Undesired	Total IX	Unique IX	Prcnt Unique IX
WCMH-TV D14 DT LIC	349.2 71,678	264.9 14,095	0.85 0.35
WGBA-TV D14 DT BL	36.0 3,887	16.1 1,675	0.05 0.04
WDCQ-TV D15 DT LIC	317.0 17,728	317.0 17,728	1.02 0.44
W33BY-D D15 DC CP	60.3 78,082	0.0 0	0.00 0.00
WXSP-CD D15 DC LIC	283.6 39,563	263.6 37,351	0.85 0.92
CHCH-DT-2 D14 DT LIC	665.9 510,164	549.5 401,364	1.76 9.88

Interference to proposal, scenario 4
14.35% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLAJ	D14	DT	BL	LANSING, MI	DTVBL36533	
Undesireds:	WCMH-TV	D14	DT	LIC	COLUMBUS, OH	BLCDDT20050823AAD	322.3 km
	WGBA-TV	D14	DT	BL	GREEN BAY, WI	DTVBL2708	344.6
	WDCQ-TV	D15	DT	LIC	BAD AXE, MI	BLDDT20030922ABG	111.3
	W33BY-D	D15	DC	BL	DETROIT, MI	DTVBL25722	109.7
	WXSP-CD	D15	DC	LIC	GRAND RAPIDS, MI	BLDDTA20100714AAG	116.9
	CHCH-DT-2	D14	DT	LIC	LONDON, ON	BLANKCANADA189	206.2

Service area	Terrain-limited	IX-free	Percent IX
31301.0 4,100,475	31184.7 4,063,963	29641.2 3,480,792	4.95 14.35

Undesired		Total IX		Unique IX	Prcnt Unique IX	
WCMH-TV D14 DT LIC	349.2	71,678	264.9	14,095	0.85	0.35
WGBA-TV D14 DT BL	36.0	3,887	16.1	1,675	0.05	0.04
WDCQ-TV D15 DT LIC	317.0	17,728	317.0	17,728	1.02	0.44
W33BY-D D15 DC BL	60.3	78,082	0.0	0	0.00	0.00
WXSP-CD D15 DC LIC	283.6	39,563	263.6	37,351	0.85	0.92
CHCH-DT-2 D14 DT LIC	665.9	510,164	549.5	401,364	1.76	9.88