

TECHNICAL STATEMENT
CONCERNING APPLICATION FOR CONSTRUCTION PERMIT
FOR WMLW-CA, MILWAUKEE, WISCONSIN
CHANNEL 24

This Technical Statement was prepared on behalf of Channel 41 and 63 Limited Partnership, licensee of WMLW-CA, Milwaukee, Wisconsin, and applicant for displacement for WMLW-CA on Channel 24. (See FCC File No. BDISTTA-20081230ACP.) This statement was prepared in response to the FCC deficiency letter dated February 13, 2009 regarding the above listed application (FCC mail stop 1800E1-MTU).

The FCC letter indicates that WMLW-CA is predicted to cause objectionable interference to WCGV-TV, BLCT-19920902KF, Channel 24, Milwaukee, WI. This interference result is due to use of the pre-digital-transition engineering database in the interference analysis of the WMLW-CA application. The WCGV-TV pre-transition full-service analog facility operated on Channel 24 in Milwaukee prior to its transition.

The interference issue with respect to the WCGV-TV pre-transition analog facility is now moot because WCGV-TV ceased to broadcast on Channel 24 as of February 17, 2009 and it is now operating exclusively on Channel 25 with its digital facility. See FCC News Release of February 16, 2009, *Preparations in High Gear for Stations Going All-Digital This Week*, attached list of stations at page 24, indicating that WCGV-TV will cease analog operation on 2/17. Therefore, there is no interference issue with respect to WCGV-TV on Channel 24.

Attached hereto is the output of an interference analysis prepared pursuant to FCC Office of Engineering and Technology Bulletin No. 69 (OET-69), which demonstrates that the proposal meets all interference protection requirements on a pre-digital-transition basis. The WCGV-TV facility was omitted from this analysis because it has ceased analog operation.



Louis R. duTreil, Jr.

February 18, 2009

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

Census data selected: 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-18-2009

Record Selected for Analysis

WMLW-CA BDISTTA -20081230ACP MILWAUKEE WI US
Channel 24 ERP 150. kW HAAT 00341 m RCAMSL 00521 m
Latitude 043-06-42 Longitude 0087-55-50
Status APP Zone Border Offset +
Dir Antenna Make CDB Model 00000000090870 Beam tilt N Ref Azimuth 0.0
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant CHANNEL 41 AND 63 LIMITED PARTNERSHI

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	90.094	315.5	39.3
45.0	16.934	343.9	29.9
90.0	9.907	343.9	26.8
135.0	16.884	337.0	29.7
180.0	90.793	317.4	39.5
225.0	146.125	295.3	41.5
270.0	120.154	290.9	40.0
315.0	145.386	294.9	41.4

Evaluation from Class A Station

Contour overlap to station			
WTLJ 24 MUSKEGON	MI BLCDT	20051115ABP	
Contour overlap to station			
WTLJ-DT 24 MUSKEGON	MI DTVPLN	DTVP0571	
Station inside contour of station			
WCGV-TV 24 MILWAUKEE	WI BLCT	19920902KF	
Contour overlap to station			
WHRM-TV 24 WAUSAU	WI BLEDT	20051014AAW	
Contour overlap to station			
WHRM-DT 24 WAUSAU	WI DTVPLN	DTVP0590	
Station inside contour of station			
WCGV-TV 25 MILWAUKEE	WI BMPCDT	20010920AAK	
Station inside contour of station			
WCGV-DT 25 MILWAUKEE	WI DTVPLN	DTVP0625	

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

No Spacing violations or contour overlap from LPTV station

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
WTLJ 24 MUSKEGON MI BLCDT20051115ABP causes

Contour overlap to Class A station
WMLW-CA 24 MILWAUKEE WI BDISTTA 20081230ACP

Station
WCGV-TV 24 MILWAUKEE WI BLCT19920902KF

Station inside contour of Class A station
WMLW-CA 24 MILWAUKEE WI BDISTTA 20081230ACP

Station
WCGV-TV 25 MILWAUKEE WI BMPCDT20010920AAK

Station inside contour of Class A station
WMLW-CA 24 MILWAUKEE WI BDISTTA 20081230ACP

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
24	WMLW-CA	MILWAUKEE WI	BDISTTA 20081230ACP

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WTLJ	MUSKEGON MI	165.7	LIC	BLCDT	-20051115ABP
24	WTLJ-DT	MUSKEGON MI	165.7	PLN	DTVPLN	-DTVP0571
24	WHRM-TV	WAUSAU WI	245.4	LIC	BLDT	-20051014AAW
24	WHRM-DT	WAUSAU WI	245.4	PLN	DTVPLN	-DTVP0590
25	WCGV-TV	MILWAUKEE WI	2.8	CP MOD	BMPCDT	-20010920AAK
25	WCGV-DT	MILWAUKEE WI	3.5	PLN	DTVPLN	-DTVP0625

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Analysis of Interference to Affected Station 1

DTV	Baseline Analysis		
Channel	Call	City/State	Application Ref. No.

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

24 WTLJ-DT MUSKEGON MI DTVPLN -DTVP0571

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WKARTV	EAST LANSING MI	124.5	PLN	DTVPLN	-NPLN1177
24	WQPTTV	MOLINE IL	411.3	PLN	DTVPLN	-NPLN1207
24	WPTA-DT	FORT WAYNE IN	214.5	PLN	DTVPLN	-DTVP0566
24	WNWOTV	TOLEDO OH	253.6	PLN	DTVPLN	-NPLN1220
24	WCGVTV	MILWAUKEE WI	163.3	PLN	DTVPLN	-NPLN1233
24	WHRM-DT	WAUSAU WI	373.6	PLN	DTVPLN	-DTVP0590
25	WEYITV	SAGINAW MI	179.3	PLN	DTVPLN	-NPLN1249
25	WCGV-DT	MILWAUKEE WI	163.3	PLN	DTVPLN	-DTVP0625

Results for: 24A MI MUSKEGON DTVPLN DTVP0571 PLN

HAAT 294.0 m, ATV ERP 80.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1051568	13826.0
not affected by terrain losses	1051178	13816.2
lost to NTSC IX	2468	53.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	1159	3.9
lost to all IX	2468	53.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
54	WTLJ	MUSKEGON MI	DTVPLN	-NPLN1842

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WGKI-DT	CADILLAC MI	139.8	PLN	DTVPLN	-DTVP1363
47	WSYMTV	LANSING MI	115.7	PLN	DTVPLN	-NPLN1718
51	WLAJ-DT	LANSING MI	127.4	PLN	DTVPLN	-DTVP1481
52	WGVK	KALAMAZOO MI	75.0	PLN	DTVPLN	-NPLN1808
53	WGBO-DT	JOLIET IL	183.8	PLN	DTVPLN	-DTVP1527
53	WLAJ	LANSING MI	127.4	PLN	DTVPLN	-NPLN1825
54	WREX-DT	ROCKFORD IL	282.6	PLN	DTVPLN	-DTVP1546
54	WTTK-DT	KOKOMO IN	291.0	PLN	DTVPLN	-DTVP1548
55	WKAR-DT	EAST LANSING MI	124.5	PLN	DTVPLN	-DTVP1570
55	WHKE	KENOSHA WI	169.5	PLN	DTVPLN	-NPLN1859
56	WCMU-DT	MOUNT PLEASANT MI	114.2	PLN	DTVPLN	-DTVP1585
57	WILX-DT	ONONDAGA MI	122.7	PLN	DTVPLN	-DTVP1606
58	WCMV-DT	CADILLAC MI	139.0	PLN	DTVPLN	-DTVP1626

Results for: 54N MI MUSKEGON DTVPLN NPLN1842 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1051483	13815.2
not affected by terrain losses	1048489	13768.1
lost to NTSC IX	4506	264.9
lost to additional IX by ATV	59	3.9
lost to all IX	4565	268.8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WTLJ	MUSKEGON MI	BLCDT	-20051115ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WKAR-TV	EAST LANSING MI	124.6	LIC	BMLET	-20040128AKK
24	WQPT-TV	MOLINE IL	411.0	LIC	BLET	-19980729KE
24	WPTA	FORT WAYNE IN	214.5	LIC	BLCDT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	214.5	PLN	DTVPLN	-DTVP0566
24	WSFJ-TV	NEWARK OH	416.5	LIC	BLCDT	-20060620ABC
24	WNWO-TV	TOLEDO OH	253.6	LIC	BLCT	-19830503KE
24	WMLW-CA	MILWAUKEE WI	165.7	APP	BDISTTA	-20081230ACP
24	WHRM-TV	WAUSAU WI	373.6	LIC	BLEDT	-20051014AAW
24	WHRM-DT	WAUSAU WI	373.6	PLN	DTVPLN	-DTVP0590
25	WEYI-TV	SAGINAW MI	179.3	LIC	BLCT	-20040123APE
25	WCGV-TV	MILWAUKEE WI	163.5	CP MOD	BMPCDT	-20010920AAK
25	WCGV-DT	MILWAUKEE WI	163.3	PLN	DTVPLN	-DTVP0625

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

Total scenarios = 4

Result key: 2
Scenario 2 Affected station 1 WTLJ
Before Analysis

Results for: 24A MI MUSKEGON BLC DT 20051115ABP LIC
HAAT 281.0 m, ATV ERP 280.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1327719	20774.3
not affected by terrain losses	1327347	20751.7
lost to NTSC IX	5150	18.7
lost to additional IX by ATV	44	2.0
lost to ATV IX only	497	5.9
lost to all IX	5194	20.6

Potential Interfering Stations Included in above Scenario 2

24N OH TOLEDO	BLCT	19830503KE	LIC
24A IN FORT WAYNE	DTVPLN	DTVP0566	PLN

After Analysis

Results for: 24A MI MUSKEGON BLC DT 20051115ABP LIC
HAAT 281.0 m, ATV ERP 280.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1327719	20774.3
not affected by terrain losses	1327347	20751.7
lost to NTSC IX	5209	24.6
lost to additional IX by ATV	21	1.0
lost to ATV IX only	497	5.9
lost to all IX	5230	25.5

Potential Interfering Stations Included in above Scenario 2

24N OH TOLEDO	BLCT	19830503KE	LIC
24A IN FORT WAYNE	DTVPLN	DTVP0566	PLN
24N WI MILWAUKEE	BDISTTA	20081230ACP	APP

Percent new IX = 0.0034%

Worst case new IX 0.0034% Scenario 2

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WTLJ-DT	MUSKEGON MI	DTVPLN	-DTVP0571

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WKAR-TV	EAST LANSING MI	124.6	LIC	BMLET	-20040128AKK
24	WQPT-TV	MOLINE IL	411.0	LIC	BLET	-19980729KE
24	WPTA	FORT WAYNE IN	214.5	LIC	BLC DT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	214.5	PLN	DTVPLN	-DTVP0566
24	WSFJ-TV	NEWARK OH	416.5	LIC	BLC DT	-20060620ABC
24	WNWO-TV	TOLEDO OH	253.6	LIC	BLCT	-19830503KE
24	WMLW-CA	MILWAUKEE WI	165.7	APP	BDISTTA	-20081230ACP
24	WHRM-TV	WAUSAU WI	373.6	LIC	BLEDT	-20051014AAW
24	WHRM-DT	WAUSAU WI	373.6	PLN	DTVPLN	-DTVP0590
25	WEYI-TV	SAGINAW MI	179.3	LIC	BLCT	-20040123APE
25	WCGV-TV	MILWAUKEE WI	163.5	CP MOD	BMPCDT	-20010920AAK
25	WCGV-DT	MILWAUKEE WI	163.3	PLN	DTVPLN	-DTVP0625

Total scenarios = 4

Result key: 5

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI, Channel 24) (Worst-Case Senarios)

Scenario 1 Affected station 2 WTLJ-DT
Before Analysis

Results for: 24A MI MUSKEGON DTVPLN DTVP0571 PLN
HAAT 294.0 m, ATV ERP 80.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 1051568 13826.0
not affected by terrain losses 1051178 13816.2
lost to NTSC IX 349 18.6
lost to additional IX by ATV 4195 48.1
lost to ATV IX only 4507 65.7
lost to all IX 4544 66.7

Potential Interfering Stations Included in above Scenario 1

24N OH TOLEDO BLCT 19830503KE LIC
24A IN FORT WAYNE BLCDT 20031031AGU LIC

After Analysis

Results for: 24A MI MUSKEGON DTVPLN DTVP0571 PLN
HAAT 294.0 m, ATV ERP 80.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 1051568 13826.0
not affected by terrain losses 1051178 13816.2
lost to NTSC IX 429 20.6
lost to additional IX by ATV 4115 46.1
lost to ATV IX only 4507 65.7
lost to all IX 4544 66.7

Potential Interfering Stations Included in above Scenario 1

24N OH TOLEDO BLCT 19830503KE LIC
24A IN FORT WAYNE BLCDT 20031031AGU LIC
24N WI MILWAUKEE BDISTTA 20081230ACP APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel Call City/State Application Ref. No.
24 WHRM-DT WAUSAU WI DTVPLN -DTVP0590

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WBAY-DT	GREEN BAY WI	145.2	PLN	DTVPLN -DTVP0549
24	KYIN	MASON CITY IA	303.9	PLN	DTVPLN -NPLN1206
24	WQPTTV	MOLINE IL	403.9	PLN	DTVPLN -NPLN1207
24	NEW	IRONWOOD MI	174.1	PLN	DTVPLN -NPLN1213
24	WTLJ-DT	MUSKEGON MI	373.6	PLN	DTVPLN -DTVP0571
24	WCGVTV	MILWAUKEE WI	248.9	PLN	DTVPLN -NPLN1233
25	WLAX	LA CROSSE WI	182.2	PLN	DTVPLN -NPLN1261

Results for: 24A WI WAUSAU DTVPLN DTVP0590 PLN
HAAT 300.0 m, ATV ERP 50.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 354785 17919.6
not affected by terrain losses 354586 17888.8
lost to NTSC IX 625 62.6
lost to additional IX by ATV 90 10.9
lost to ATV IX only 177 21.9
lost to all IX 715 73.5

NTSC Baseline Analysis

Channel Call City/State Application Ref. No.

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

20 WHRMTV WAUSAU WI DTVPLN -NPLN1095

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WJFW-DT	RHINELANDER WI	91.2	PLN	DTVPLN	-DTVP0248
19	WXOWTV	LA CROSSE WI	181.8	PLN	DTVPLN	-NPLN1063
19	WTHX-DT	MANITOWOC WI	185.9	PLN	DTVPLN	-DTVP0380
20	KWKB	IOWA CITY IA	381.5	PLN	DTVPLN	-NPLN1076
20	WYCC	CHICAGO IL	375.1	PLN	DTVPLN	-NPLN1078
20	KSMQ-DT	AUSTIN MN	297.4	PLN	DTVPLN	-DTVP0402
20	WHA-DT	MADISON WI	207.6	PLN	DTVPLN	-DTVP0425
21	WSCO-DT	SURING WI	115.0	PLN	DTVPLN	-DTVP0463
24	WHRM-DT	WAUSAU WI	0.0	PLN	DTVPLN	-DTVP0590
28	WYOW-DT	EAGLE RIVER WI	101.1	PLN	DTVPLN	-DTVP0732
34	WYOW	EAGLE RIVER WI	101.1	PLN	DTVPLN	-NPLN1487

Results for: 20N WI WAUSAU DTVPLN NPLN1095 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	354785	17919.6
not affected by terrain losses	354139	17829.1
lost to NTSC IX	25	8.0
lost to additional IX by ATV	2125	228.6
lost to all IX	2150	236.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WHRM-TV	WAUSAU WI	BLEDT	-20051014AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WBAY-DT	GREEN BAY WI	145.1	PLN	DTVPLN	-DTVP0549
24	KYIN	MASON CITY IA	304.0	LIC	BLET	-19860923KJ
24	WQPT-TV	MOLINE IL	403.2	LIC	BLET	-19980729KE
24	WTLJ	MUSKEGON MI	373.6	LIC	BLCDT	-20051115ABP
24	WTLJ-DT	MUSKEGON MI	373.6	PLN	DTVPLN	-DTVP0571
24	WMLW-CA	MILWAUKEE WI	245.4	APP	BDISTTA	-20081230ACP
25	WLAX	LA CROSSE WI	182.3	LIC	BLCT	-20000314AAA

Total scenarios = 2

Result key: 9

Scenario 1 Affected station 3 WHRM-TV

Before Analysis

Results for: 24A WI WAUSAU BLEDT 20051014AAW LIC

HAAT 387.0 m, ATV ERP 172.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	447772	26793.2
not affected by terrain losses	447330	26695.8
lost to NTSC IX	3	22.9
lost to additional IX by ATV	1781	128.2
lost to ATV IX only	1781	128.2
lost to all IX	1784	151.1

Potential Interfering Stations Included in above Scenario 1

24N IA MASON CITY	BLET	19860923KJ	LIC
23A WI GREEN BAY	DTVPLN	DTVP0549	PLN

After Analysis

Results for: 24A WI WAUSAU BLEDT 20051014AAW LIC

HAAT 387.0 m, ATV ERP 172.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	447772	26793.2
not affected by terrain losses	447330	26695.8
lost to NTSC IX	351	64.6
lost to additional IX by ATV	1626	116.3
lost to ATV IX only	1781	128.2
lost to all IX	1977	180.9

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

Potential Interfering Stations Included in above Scenario 1

24N IA MASON CITY	BLET	19860923KJ	LIC
23A WI GREEN BAY	DTVPLN	DTVP0549	PLN
24N WI MILWAUKEE	BDISTTA	20081230ACP	APP

Percent new IX = 0.0545%

Worst case new IX 0.0545% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WHRM-DT	WAUSAU WI	DTVPLN	-DTVP0590

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WBAY-DT	GREEN BAY WI	145.2	PLN	DTVPLN	-DTVP0549
24	KYIN	MASON CITY IA	303.9	LIC	BLET	-19860923KJ
24	WQPT-TV	MOLINE IL	403.2	LIC	BLET	-19980729KE
24	WTLJ	MUSKEGON MI	373.6	LIC	BLCDT	-20051115ABP
24	WTLJ-DT	MUSKEGON MI	373.6	PLN	DTVPLN	-DTVP0571
24	WMLW-CA	MILWAUKEE WI	245.4	APP	BDISTTA	-20081230ACP
25	WLAX	LA CROSSE WI	182.3	LIC	BLCT	-20000314AAA

Total scenarios = 2

Result key: 11

Scenario 1 Affected station 4 WHRM-DT

Before Analysis

Results for: 24A WI WAUSAU DTVPLN DTVP0590 PLN

HAAT 300.0 m, ATV ERP 50.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	354785	17919.6
not affected by terrain losses	354586	17888.8
lost to NTSC IX	16	1.0
lost to additional IX by ATV	177	21.9
lost to ATV IX only	177	21.9
lost to all IX	193	22.9

Potential Interfering Stations Included in above Scenario 1

24N IA MASON CITY	BLET	19860923KJ	LIC
23A WI GREEN BAY	DTVPLN	DTVP0549	PLN

After Analysis

Results for: 24A WI WAUSAU DTVPLN DTVP0590 PLN

HAAT 300.0 m, ATV ERP 50.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	354785	17919.6
not affected by terrain losses	354586	17888.8
lost to NTSC IX	150	19.9
lost to additional IX by ATV	111	12.9
lost to ATV IX only	177	21.9
lost to all IX	261	32.8

Potential Interfering Stations Included in above Scenario 1

24N IA MASON CITY	BLET	19860923KJ	LIC
23A WI GREEN BAY	DTVPLN	DTVP0549	PLN
24N WI MILWAUKEE	BDISTTA	20081230ACP	APP

Percent new IX = 0.0192%

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

Worst case new IX 0.0192% Scenario 1

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Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
25	WCGV-DT	MILWAUKEE WI	DTVPLN	-DTVP0625

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WTLJ-DT	MUSKEGON MI	163.3	PLN	DTVPLN	-DTVP0571
24	WCGVTV	MILWAUKEE WI	0.0	PLN	DTVPLN	-NPLN1233
25	KWKB-DT	IOWA CITY IA	331.9	PLN	DTVPLN	-DTVP0601
25	WEEKTV	PEORIA IL	305.2	PLN	DTVPLN	-NPLN1243
25	WRTV-DT	INDIANAPOLIS IN	381.6	PLN	DTVPLN	-DTVP0602
25	WEYITV	SAGINAW MI	339.4	PLN	DTVPLN	-NPLN1249
25	WLAX	LA CROSSE WI	291.0	PLN	DTVPLN	-NPLN1261
26	WCIUTV	CHICAGO IL	136.1	PLN	DTVPLN	-NPLN1276
26	WGBA	GREEN BAY WI	141.4	PLN	DTVPLN	-NPLN1295
26	WKOW-DT	MADISON WI	132.5	PLN	DTVPLN	-DTVP0659

Results for: 25A WI MILWAUKEE DTVPLN DTVP0625 PLN

HAAT 313.0 m, ATV ERP 111.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2101783	17237.4
not affected by terrain losses	2100293	17216.8
lost to NTSC IX	984	26.5
lost to additional IX by ATV	8770	37.3
lost to ATV IX only	9593	42.2
lost to all IX	9754	63.7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
24	WCGVTV	MILWAUKEE WI	DTVPLN	-NPLN1233

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	136.5	PLN	DTVPLN	-DTVP0216
16	WTHXTV	MANITOWOC WI	117.5	PLN	DTVPLN	-NPLN0975
17	WTVO	ROCKFORD IL	136.5	PLN	DTVPLN	-NPLN0986
17	WXMI	GRAND RAPIDS MI	198.1	PLN	DTVPLN	-NPLN0987
20	WHA-DT	MADISON WI	132.5	PLN	DTVPLN	-DTVP0425
21	WYCC-DT	CHICAGO IL	134.1	PLN	DTVPLN	-DTVP0435
21	WHATV	MADISON WI	132.5	PLN	DTVPLN	-NPLN1131
22	WVCY-DT	MILWAUKEE WI	0.0	PLN	DTVPLN	-DTVP0510
23	WIFR	FREEPORT IL	135.8	PLN	DTVPLN	-NPLN1173
23	WBAY-DT	GREEN BAY WI	147.2	PLN	DTVPLN	-DTVP0549
24	KYIN	MASON CITY IA	400.4	PLN	DTVPLN	-NPLN1206
24	WQPTTV	MOLINE IL	283.0	PLN	DTVPLN	-NPLN1207
24	WPTA-DT	FORT WAYNE IN	314.6	PLN	DTVPLN	-DTVP0566
24	WTLJ-DT	MUSKEGON MI	163.3	PLN	DTVPLN	-DTVP0571
24	WNWOTV	TOLEDO OH	405.3	PLN	DTVPLN	-NPLN1220
24	WHRM-DT	WAUSAU WI	248.9	PLN	DTVPLN	-DTVP0590
25	WCGV-DT	MILWAUKEE WI	0.0	PLN	DTVPLN	-DTVP0625
26	WCIUTV	CHICAGO IL	136.1	PLN	DTVPLN	-NPLN1276
26	WGBA	GREEN BAY WI	141.4	PLN	DTVPLN	-NPLN1295
26	WKOW-DT	MADISON WI	132.5	PLN	DTVPLN	-DTVP0659
27	WCIU-DT	CHICAGO IL	136.1	PLN	DTVPLN	-DTVP0672
27	WKOWTV	MADISON WI	132.5	PLN	DTVPLN	-NPLN1323
28	WTMJ-DT	MILWAUKEE WI	0.5	PLN	DTVPLN	-DTVP0733
31	WFLD-DT	CHICAGO IL	134.1	PLN	DTVPLN	-DTVP0822
32	WFLD	CHICAGO IL	134.1	PLN	DTVPLN	-NPLN1429
32	WACY	APPLETON WI	141.4	PLN	DTVPLN	-NPLN1439
32	WJNW-DT	JANESVILLE WI	115.3	PLN	DTVPLN	-DTVP0889
38	WCFCTV	CHICAGO IL	134.1	PLN	DTVPLN	-NPLN1541
38	WPNE	GREEN BAY WI	147.2	PLN	DTVPLN	-NPLN1554

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

39 WQRFTV ROCKFORD IL 135.8 PLN DTVPLN -NPLN1562

Results for: 24N WI MILWAUKEE DTVPLN NPLN1233 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	2101825	17241.3
not affected by terrain losses	2097887	17172.7
lost to NTSC IX	23448	135.3
lost to additional IX by ATV	1825	149.0
lost to all IX	25273	284.3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
25	WCGV-TV	MILWAUKEE WI	BMPCDT -20010920AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	WTLJ	MUSKEGON MI	163.5	LIC	BLCDT -20051115ABP
24	WTLJ-DT	MUSKEGON MI	163.5	PLN	DTVPLN -DTVP0571
24	WMLW-CA	MILWAUKEE WI	2.8	APP	BDISTTA -20081230ACP
25	KWKB	IOWA CITY IA	321.3	LIC	BLCDT -20070130AJQ
25	KWKB-DT	IOWA CITY IA	332.2	PLN	DTVPLN -DTVP0601
25	WEEK-TV	PEORIA IL	306.0	LIC	BLCT -20030523AFG
25	WEEK-TV	PEORIA IL	306.0	CP	BPCDT -20080409ABM
25	WEEK-TV	PEORIA IL	306.0	APP	BSTA -20080619AGT
25	WRTV-DT	INDIANAPOLIS IN	382.5	PLN	DTVPLN -DTVP0602
25	WEYI-TV	SAGINAW MI	339.4	LIC	BLCT -20040123APE
25	WLAX	LA CROSSE WI	290.6	LIC	BLCT -20000314AAA
26	WCIU-TV	CHICAGO IL	137.0	APP	BSTA -20081008AHE
26	WCIU-TV	CHICAGO IL	137.0	LIC	BLCT -19990604KI
26	WGBA	GREEN BAY WI	140.5	LIC	BLCT -19990602KG
26	WKOW-DT	MADISON WI	132.4	PLN	DTVPLN -DTVP0659

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
25	WCGV-DT	MILWAUKEE WI	DTVPLN -DTVP0625

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	WTLJ	MUSKEGON MI	163.3	LIC	BLCDT -20051115ABP
24	WTLJ-DT	MUSKEGON MI	163.3	PLN	DTVPLN -DTVP0571
24	WMLW-CA	MILWAUKEE WI	3.5	APP	BDISTTA -20081230ACP
25	KWKB	IOWA CITY IA	321.0	LIC	BLCDT -20070130AJQ
25	KWKB-DT	IOWA CITY IA	331.9	PLN	DTVPLN -DTVP0601
25	WEEK-TV	PEORIA IL	305.3	LIC	BLCT -20030523AFG
25	WEEK-TV	PEORIA IL	305.2	CP	BPCDT -20080409ABM
25	WEEK-TV	PEORIA IL	305.2	APP	BSTA -20080619AGT
25	WRTV-DT	INDIANAPOLIS IN	381.6	PLN	DTVPLN -DTVP0602
25	WEYI-TV	SAGINAW MI	339.4	LIC	BLCT -20040123APE
25	WLAX	LA CROSSE WI	291.0	LIC	BLCT -20000314AAA
26	WCIU-TV	CHICAGO IL	136.1	APP	BSTA -20081008AHE
26	WCIU-TV	CHICAGO IL	136.1	LIC	BLCT -19990604KI
26	WGBA	GREEN BAY WI	141.4	LIC	BLCT -19990602KG
26	WKOW-DT	MADISON WI	132.5	PLN	DTVPLN -DTVP0659

Proposal causes no interference

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
24	WCGVTV	MILWAUKEE WI	DTVPLN -NPLN1233

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	136.5	PLN	DTVPLN	-DTVP0216
16	WTHXTV	MANITOWOC WI	117.5	PLN	DTVPLN	-NPLN0975
17	WTVO	ROCKFORD IL	136.5	PLN	DTVPLN	-NPLN0986
17	WXMI	GRAND RAPIDS MI	198.1	PLN	DTVPLN	-NPLN0987
20	WHA-DT	MADISON WI	132.5	PLN	DTVPLN	-DTVP0425
21	WYCC-DT	CHICAGO IL	134.1	PLN	DTVPLN	-DTVP0435
21	WHATV	MADISON WI	132.5	PLN	DTVPLN	-NPLN1131
22	WVCY-DT	MILWAUKEE WI	0.0	PLN	DTVPLN	-DTVP0510
23	WIFR	FREEDPORT IL	135.8	PLN	DTVPLN	-NPLN1173
23	WBAY-DT	GREEN BAY WI	147.2	PLN	DTVPLN	-DTVP0549
24	KYIN	MASON CITY IA	400.4	PLN	DTVPLN	-NPLN1206
24	WQPTTV	MOLINE IL	283.0	PLN	DTVPLN	-NPLN1207
24	WPTA-DT	FORT WAYNE IN	314.6	PLN	DTVPLN	-DTVP0566
24	WTLJ-DT	MUSKEGON MI	163.3	PLN	DTVPLN	-DTVP0571
24	WNWOTV	TOLEDO OH	405.3	PLN	DTVPLN	-NPLN1220
24	WHRM-DT	WAUSAU WI	248.9	PLN	DTVPLN	-DTVP0590
25	WCGV-DT	MILWAUKEE WI	0.0	PLN	DTVPLN	-DTVP0625
26	WCIUTV	CHICAGO IL	136.1	PLN	DTVPLN	-NPLN1276
26	WGBA	GREEN BAY WI	141.4	PLN	DTVPLN	-NPLN1295
26	WKOW-DT	MADISON WI	132.5	PLN	DTVPLN	-DTVP0659
27	WCIU-DT	CHICAGO IL	136.1	PLN	DTVPLN	-DTVP0672
27	WKOWTV	MADISON WI	132.5	PLN	DTVPLN	-NPLN1323
28	WTMJ-DT	MILWAUKEE WI	0.5	PLN	DTVPLN	-DTVP0733
31	WFLD-DT	CHICAGO IL	134.1	PLN	DTVPLN	-DTVP0822
32	WFLD	CHICAGO IL	134.1	PLN	DTVPLN	-NPLN1429
32	WACY	APPLETON WI	141.4	PLN	DTVPLN	-NPLN1439
32	WJNW-DT	JANESVILLE WI	115.3	PLN	DTVPLN	-DTVP0889
38	WCFCTV	CHICAGO IL	134.1	PLN	DTVPLN	-NPLN1541
38	WPNE	GREEN BAY WI	147.2	PLN	DTVPLN	-NPLN1554
39	WQFRTV	ROCKFORD IL	135.8	PLN	DTVPLN	-NPLN1562

Results for: 24N WI MILWAUKEE			DTVPLN	NPLN1233	PLN
		POPULATION	AREA (sq km)		
	within Noise Limited Contour	2101825		17241.3	
	not affected by terrain losses	2097887		17172.7	
	lost to NTSC IX	23448		135.3	
	lost to additional IX by ATV	1825		149.0	
	lost to all IX	25273		284.3	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	WMLW-CA	MILWAUKEE WI	BDISTTA	-20081230ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	136.6	PLN	DTVPLN	-DTVP0216
17	WTVO	ROCKFORD IL	136.6	LIC	BMLCT	-20021024AAAY
20	WHA-TV	MADISON WI	130.4	LIC	BLEDT	-20020503AAF
20	WHA-DT	MADISON WI	130.4	PLN	DTVPLN	-DTVP0425
21	WYCC	CHICAGO IL	137.1	LIC	BLEDT	-20030501ABC
21	WYCC-DT	CHICAGO IL	137.1	PLN	DTVPLN	-DTVP0435
21	WHA-TV	MADISON WI	130.4	LIC	BLET	-20020227ABP
21	WIWB	SURING WI	135.9	LIC	BLCDDT	-20040521ADD
22	WVCY-DT	MILWAUKEE WI	3.5	PLN	DTVPLN	-DTVP0510
22	WVCY-TV	MILWAUKEE WI	2.8	LIC	BLCDDT	-20060619AAX
24	WQPT-TV	MOLINE IL	282.7	LIC	BLET	-19980729KE
24	WPTA	FORT WAYNE IN	318.0	LIC	BLCDDT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	318.0	PLN	DTVPLN	-DTVP0566
24	WHVI-LP	VALPARAISO IN	191.7	CP	BDFCDTL	-20060331AFL
24	WTLJ	MUSKEGON MI	165.7	LIC	BLCDDT	-20051115ABP
24	WTLJ-DT	MUSKEGON MI	165.7	PLN	DTVPLN	-DTVP0571
24	W46CR	SAGINAW MI	309.3	CP	BDISDTL	-20080918AGD
24	WHRM-TV	WAUSAU WI	245.4	LIC	BLEDT	-20051014AAW
24	WHRM-DT	WAUSAU WI	245.4	PLN	DTVPLN	-DTVP0590
25	WOGC-CA	HOLLAND MI	164.0	CP	BDFCDTA	-20060330ALR
25	WOGC-CA	HOLLAND MI	164.0	APP	BMPDTA	-20080804ADU
25	WCGV-TV	MILWAUKEE WI	2.8	CP MOD	BMPCDT	-20010920AAK
25	WCGV-DT	MILWAUKEE WI	3.5	PLN	DTVPLN	-DTVP0625

Pre-Transition OET-69 Interference Analysis (WMLW-CA, Milwaukee, WI,
Channel 24) (Worst-Case Senarios)

26	WCIU-TV	CHICAGO IL	139.1	APP	BSTA	-20081008AHE
26	WCIU-TV	CHICAGO IL	139.1	LIC	BLCT	-19990604KI
26	WGBA	GREEN BAY WI	138.6	LIC	BLCT	-19990602KG
26	WKOW-DT	MADISON WI	130.4	PLN	DTVPLN	-DTVP0659
27	WCIU-DT	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP0672
27	WACY-TV	APPLETON WI	138.6	LIC	BPRM	-20020208ABN
27	WACY	APPLETON WI	138.6	CP MOD	BMPCDT	-20061114ABU
27	WKOW-TV	MADISON WI	130.4	LIC	BLCT	-20000306AAW
28	WTMJ-DT	MILWAUKEE WI	3.2	PLN	DTVPLN	-DTVP0733
28	960722KR	SHEBOYGAN WI	48.1	APP	BPCT	-19960722KR
31	WFLD-DT	CHICAGO IL	137.1	PLN	DTVPLN	-DTVP0822
31	WFLD	CHICAGO IL	139.1	LIC	BLCDT	-20050606ABF
32	WBUW	JANESVILLE WI	126.5	LIC	BLCDT	-20040930BHL
32	WJNW-DT	JANESVILLE WI	114.2	PLN	DTVPLN	-DTVP0889
38	WCPX	CHICAGO IL	139.1	LIC	BLCT	-20050715ACC
38	WPNE	GREEN BAY WI	144.4	LIC	BLET	-20010914ABB
38	WPNE	GREEN BAY WI	144.4	APP	BSTA	-20080131AAZ
39	WWME-LD	CHICAGO IL	139.1	LIC	BLDTL	-20090105ACU
39	WQRF-TV	ROCKFORD IL	136.0	LIC	BLCT	-19960402KE
39	WFRV-DT	GREEN BAY WI	135.9	LIC	BPRM	-20010806ACL
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDT	-20051004ABD

Total scenarios = 6

Result key: 13
 Scenario 1 Affected station 7 WMLW-CA
 Before Analysis

Results for: 24N WI MILWAUKEE		BDISTTA	20081230ACP	APP
		POPULATION	AREA (sq km)	
within Noise Limited Contour	1413256	4550.3		
not affected by terrain losses	1410534	4517.0		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	14203	38.2		
lost to all IX	14203	38.2		

Potential Interfering Stations Included in above Scenario 1

22A WI MILWAUKEE	BLCDT	20060619AAX	LIC
25A WI MILWAUKEE	BMPCDT	20010920AAK	CP
28A WI MILWAUKEE	DTVPLN	DTVP0733	PLN

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