

Exhibit E-5

This exhibit has been included to demonstrate that the proposed facility would comply with the provisions of Section 73.6013 as pertains to protection of DTV facilities and the DTV table of allotments. Contained in this exhibit is an interference study to DTV facilities based on the current parameters of W34CK, as well as a study recalculating the interference using the proposed ERP and antenna pattern.

Currently, W34CK interferes with the construction permit for WISN-DT at Milwaukee, Wisconsin. Using the licensed parameters, W34CK causes interference to 76,728 persons, or 2.8% of the residents within the service area. Using the proposed antenna pattern and effective radiated power, this interference would drop to 1,426 persons, or 0.1% of the residents within the coverage area. It is therefore respectfully submitted that the proposed facility would be in compliance with the provisions of Section 73.6013 as not only does it reduce the amount of predicted interference to WISN-DT, but also causes an interference level that is less than 0.5 percent of the residents within that facility's service area.

Outgoing Interference Population Report
W34CK-Arlington Heights, Illinois
Interference Study Using Licensed Antenna and ERP

TV Outgoing Interference Study

Signal Resolution: 1.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 0.1 km

Masked interference points are being counted
as interference free.

Study Date: 6-9-2004

TV Database Date: 06-09-04

Stations Considered:

Call Letters	City	State	Dist	Bear
KQIN-D.C (34)	Davenport	IA	238.2	260.1
WHTV-D.A (34)	Jackson	MI	264.2	75.8
WHTV-D.C (34)	Jackson	MI	270.4	80.2
WISN-D.C (34)	Milwaukee	WI	139.0	350.1
WITI-D.C (33)	Milwaukee	WI	136.3	351.0
WMVT-D.C (35)	Milwaukee	WI	136.9	350.8
WNIT-D.C (35)	South Bend	IN	123.9	103.3

Call	Area	HUnits	Contour	Masked Ix	Unmasked Ix	%
KQIN-D.C (34)	0.0	0	544,793	0	0	0.0
WHTV-D.A (34)	0.0	0	1,422,914	0	0	0.0
WHTV-D.C (34)	0.0	0	282,867	0	0	0.0
WISN-D.C (34)	158.3	21,242	2,692,886	0	76,728	2.8
WITI-D.C (33)	0.0	0	2,822,542	0	0	0.0
WMVT-D.C (35)	0.0	0	2,469,180	0	0	0.0
WNIT-D.C (35)	0.0	0	1,213,551	0	0	0.0

	Housing Units	Population
Illinois		
Lake County		
Total	225,919	644,356
WISN-D.C (34)	20,773	75,374
McHenry County		
Total	92,908	260,077

WISN-D.C (34)

469

1,354

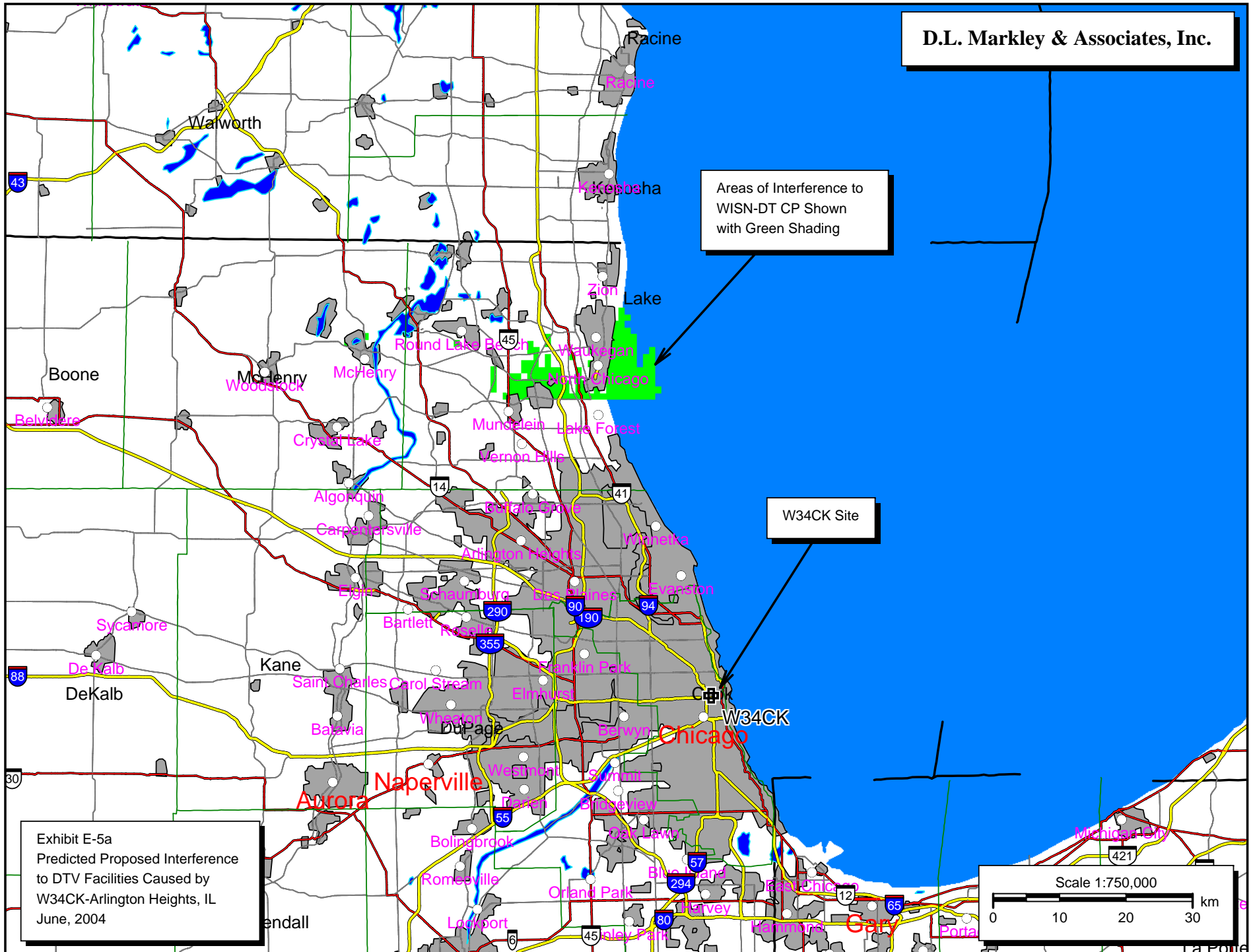
Areas of Interference to
WISN-DT CP Shown
with Green Shading

W34CK Site

Exhibit E-5a
Predicted Proposed Interference
to DTV Facilities Caused by
W34CK-Arlington Heights, IL
June, 2004

Scale 1:750,000

0 10 20 30 km



Outgoing Interference Population Report
W34CK-Arlington Heights, Illinois
Interference Study Using Proposed Antenna and ERP.

TV Outgoing Interference Study
Signal Resolution: 1.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
 be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
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Study Date: 6-9-2004
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Call Letters	City	State	Dist	Bear
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WISN-D.C (34)	Milwaukee	WI	139.0	350.1
WITI-D.C (33)	Milwaukee	WI	136.3	351.0
WMVT-D.C (35)	Milwaukee	WI	136.9	350.8
WNIT-D.C (35)	South Bend	IN	123.9	103.3

Call	Area	HUnits	Contour	Masked Ix	Unmasked Ix	%
KQIN-D.C (34)	0.0	0	544,793	0	0	0.0
WHTV-D.A (34)	0.0	0	1,422,914	0	0	0.0
WHTV-D.C (34)	0.0	0	282,867	0	0	0.0
WISN-D.C (34)	13.6	500	2,692,886	0	1,426	0.1
WITI-D.C (33)	0.0	0	2,822,542	0	0	0.0
WMVT-D.C (35)	0.0	0	2,469,180	0	0	0.0
WNIT-D.C (35)	0.0	0	1,213,551	0	0	0.0

	Housing Units	Population
Illinois		
Lake County		
Total	225,919	644,356
WISN-D.C (34)	500	1,426

D.L. Markley & Associates, Inc.

Areas of Interference to
WISN-DT CP Shown
with Green Shading

W34CK Site

Exhibit E-5b
Predicted Interference to DTV
Facilities Caused by Modified
W34CK-Arlington Heights, IL
June, 2004

Scale 1:750,000

0 10 20 30 km

0 10 20 30 km