

Exhibit E-19

This exhibit contains the study relative to television channel six interference protection, and demonstrates that the proposed facility would comply with the provisions of Section 73.525 of the Commission's Rules.

An examination of the Commission's television database indicated that there are five records of television channel six facilities in the region. Specifically these facilities are WITI(TV) at Milwaukee, Wisconsin, KAAL(TV) at Austin, Minnesota, LMNEW at Galesburg, Illinois, WRTV(TV) at Indianapolis, Indiana, and KWQC-TV at Davenport, Iowa. KAAL(TV) at Austin, Minnesota is located at a distance of 372 kilometers from the proposed site, while WRTV(TV) at Indianapolis, Indiana is located 341 kilometers from the proposed site. Since the distance to both of these facilities exceeds 235 kilometers, these facilities are not considered affected by the proposed facility according to Section 73.525 of the Commission's Rules.

The remaining three facilities are located close enough to the proposed facility to be considered affected according to the Commission's Rules. WITI at Milwaukee is located 225 kilometers from the proposed site, KWQC-TV at Davenport, Iowa is located 71 kilometers from the proposed site, and LMNEW at Galesburg, Illinois is located 67 kilometers from the site. LMNEW at Galesburg, Illinois is listed in the database as being a test administrative record operational on channel 6Z. Although it is not an actual facility, it was nevertheless studied to demonstrate that the proposed facility would comply with the provisions of Section 73.525 relative to its current record.

Due to the proximity of the proposed facility to KWQC-TV and LMNEW, the applicant has chosen to utilize vertical polarization only to demonstrate compliance with Section 73.525 of the

Commission's Rules. Under the terms of the mixed polarization inequality, the H component was set to zero. The value of A utilized was 40 as any predicted interference that would occur would be located outside the corporate boundary of a community with a resident population of 50,000 or more persons. Solving for P, a maximum ERP value of 0.2375 kW was determined, which is the numerical basis for the creation of the maps and population figures utilized in this exhibit.

The first map in this exhibit depicts the predicted 47 dBu F(50,50) service contour of WITI at Milwaukee and the predicted 56.3 dBu F(50,10) interference contour from the proposed facility based on the adjusted effective radiated power determined by the mixed polarity inequality. As this map demonstrates, the 56.3 dBu F(50,10) contour from the proposed facility does not intersect or overlap the Grade B service contour of WITI(TV). As a result, no interference is predicted to occur to WITI(TV) from the proposed facility.

On the second map, which is immediately followed by a polygon population tabulation by the 2000 US Census data, a family of field strength curves for KWQC-TV is plotted along with the predicted interference area from the proposed facility. The predicted interference area was determined through the use of a corresponding family of interference curves from the proposed facility determined in accordance with the adjusted effective radiated power and the appropriate engineering curves in the Commission's Rules. This area of interference would involve a resident population of 2,478 persons. Since the number of persons residing within this interference area is less than 3,000, the proposed facility would be in compliance with the provisions of Section 73.525 of the Commission's Rules relative to KWQC-TV at Davenport, Iowa.

The third map and subsequent polygon population tabulation included is pertinent to the LMNEW administrative record at Galesburg, Illinois. As with the previous map, a family of curves for both LMNEW and the proposed facility was created with the interference area determined from these curves. As with the KWQC-TV portion of the study, no adjustments were made for television receiving antenna directionality as specified in the Commission's Rules. The resident population of the polygon indicated on this map, which depicts the predicted LMNEW interference area, is 886 persons by the 2000 US Census Data. The proposed facility would therefore also be in compliance with Section 73.525 of the Commission's Rules relative to LMNEW.

NEW

Latitude: 41-31-17 N
Longitude: 089-37-49 W
ERP: 0.2375 kW
Channel: 204
Frequency: 88.7 MHz
AMSL Height: 313.4 m
Elevation: 220.1 m AMSL
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: FCC Method

WITI

BLCT19990129KT
Latitude: 43-05-26 N
Longitude: 087-53-50 W
ERP: 100.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 511.0 m
Elevation: 199.91 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

Proposed 56.3 dBu
F(50,10) Contour

WITI(TV) 47 dBu
F(50,50) Contour

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■ WITI 47 dBu F(50,50) Contour
■ Proposed 56.3 F(50,10) Contour

Note: Map illustrates interference situation
relative to WITI(TV) at Milwaukee, Wisconsin.

Scale 1:1,500,000

0 20 40 60 km

Exhibit E-19

Television Channel Six Interference Study
NEW - Sheffield, Illinois
Roadmap Ministries
October, 2007



NEW

Latitude: 41-31-17 N
Longitude: 089-37-49 W
ERP: 0.2375 kW
Channel: 204
Frequency: 88.7 MHz
AMSL Height: 313.4 m
Elevation: 220.1 m AMSL
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: FCC Method

KWQCTV

BLCT19821108KN
Latitude: 41-32-49 N
Longitude: 090-28-35 W
ERP: 100.00 kW
Channel: 06+
Frequency: 85.5 MHz
AMSL Height: 611.0 m
Elevation: 203.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: FCC Method

D.L. Markley & Associates, Inc.

-  KWQC F(50,50) Service Contours
-  Boundary of KWQC Interference Area

Population of Interference Area: 2,478 Persons
Population from 2000 US Census Data

KWQC F(50,50) Contour dBu Values Listed Above

68

67

66

65

64

63

62

61

NEW

Note: Map illustrates interference situation
relative to KWQC(TV) at Davenport, Iowa.

Exhibit E-19
Television Channel Six Interference Study
NEW - Sheffield, Illinois
Roadmap Ministries
October, 2007

Scale 1:200,000

0 2 4 6 km

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NEW - Sheffield, Illinois
Exhibit E-19 - Television Channel Six Interference
Polygon Population Report

Population Database: 2000 US Census (SF1)

Total Population: 2,478
Housing Units: 1,035
Polygon Area: 183.06 sq. km

Total Breakdown

White:	2,424
Black:	7
Hispanic:	30
Native American:	3
Asian:	2
Pacific Islander:	0
Mixed Race:	12
Other:	0

	Housing Units	Population
Illinois		
Bureau County		
Total	15,331	35,503
Polygon	1,018	2,435
Lee County		
Total	14,310	36,062
Polygon	11	27
Whiteside County		
Total	25,025	60,653
Polygon	6	16

NEW

Latitude: 41-31-17 N
Longitude: 089-37-49 W
ERP: 0.2375 kW
Channel: 204
Frequency: 88.7 MHz
AMSL Height: 313.4 m
Elevation: 220.1 m AMSL
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: FCC Method

LMNEW.A

BPRM20070724AAY
Latitude: 41-18-44 N
Longitude: 090-22-45 W
ERP: 3.142 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 554.0 m
Elevation: 228.96 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

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- LMNEW F(50,50) Service Contours
- Boundary of LMNEW Interference Area

Population to Interference Area: 886 Persons
Population from 2000 US Census Data

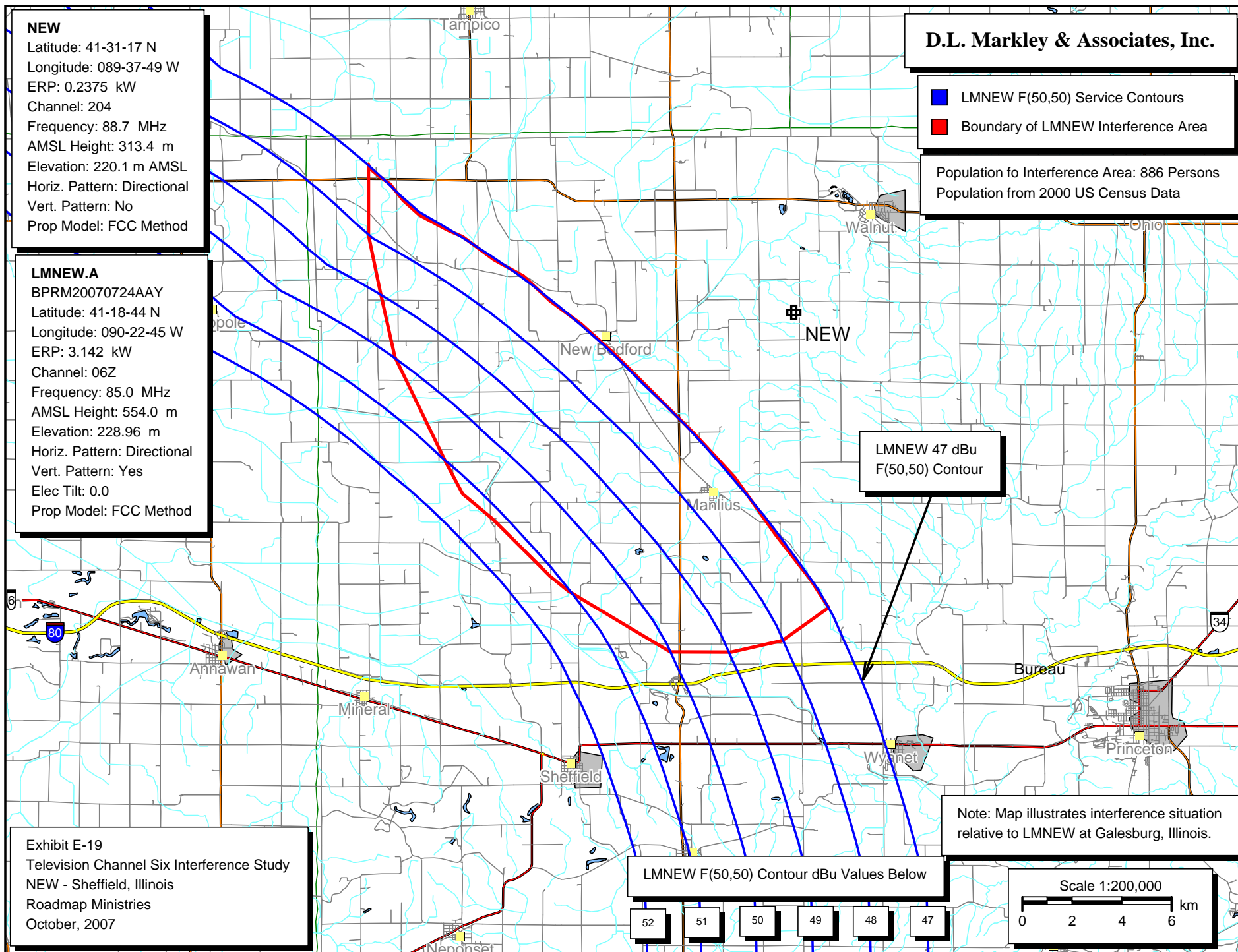


Exhibit E-19
Television Channel Six Interference Study
NEW - Sheffield, Illinois
Roadmap Ministries
October, 2007

D.L. Markley & Associates, Inc.
NEW - Sheffield, Illinois
Exhibit E-19 - Television Channel Six Interference
Polygon Population Report

Population Database: 2000 US Census (SF1)

Total Population: 886
Housing Units: 381
Polygon Area: 152.1 sq. km

Total Breakdown

White:	857
Black:	1
Hispanic:	18
Native American:	3
Asian:	7
Pacific Islander:	0
Mixed Race:	0
Other:	0

	Housing Units	Population
Illinois		
Bureau County		
Total	15,331	35,503
Polygon	381	886