

CFI
PO BOX 4301 - DAVIS, CA - 95617

Consolidated Engineering Exhibits
FCC Form 340 - Section VII

Clifton, IL - WEFT/Prairie Air, Inc.

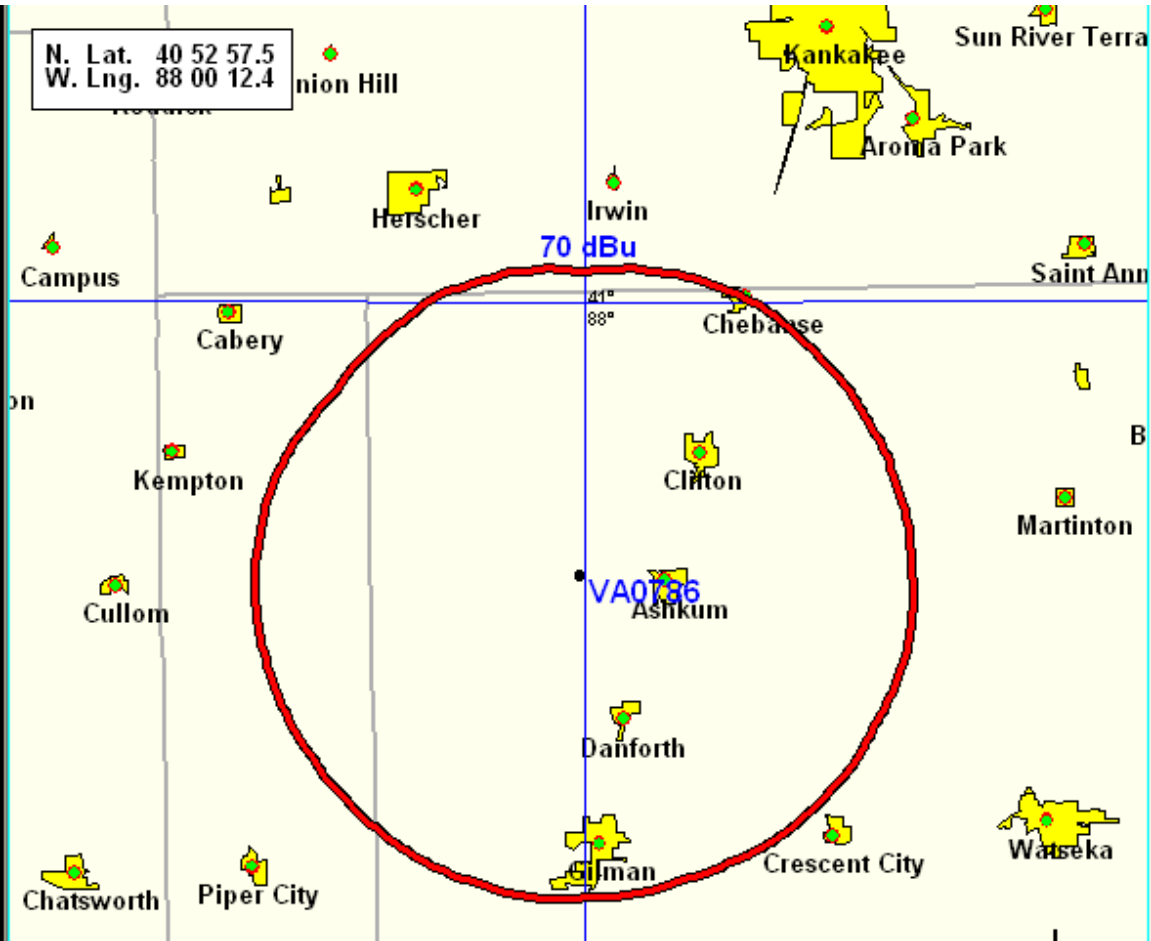
Overview

Population Served:	34348
New Area Served:	2367.9
Coordinates:	40 52 57.5 N 88 00 12.4 W
Channel:	297
Class:	A
AMSL (m):	290
AGL (m):	90
HAAT (m):	93.3
ERP (kW):	6
DA:	N

Tower

Site Elevation (m)	200
Height of Structure (m)	99.7
ASR #	1057098

Exhibit 14 - Community of Coverage

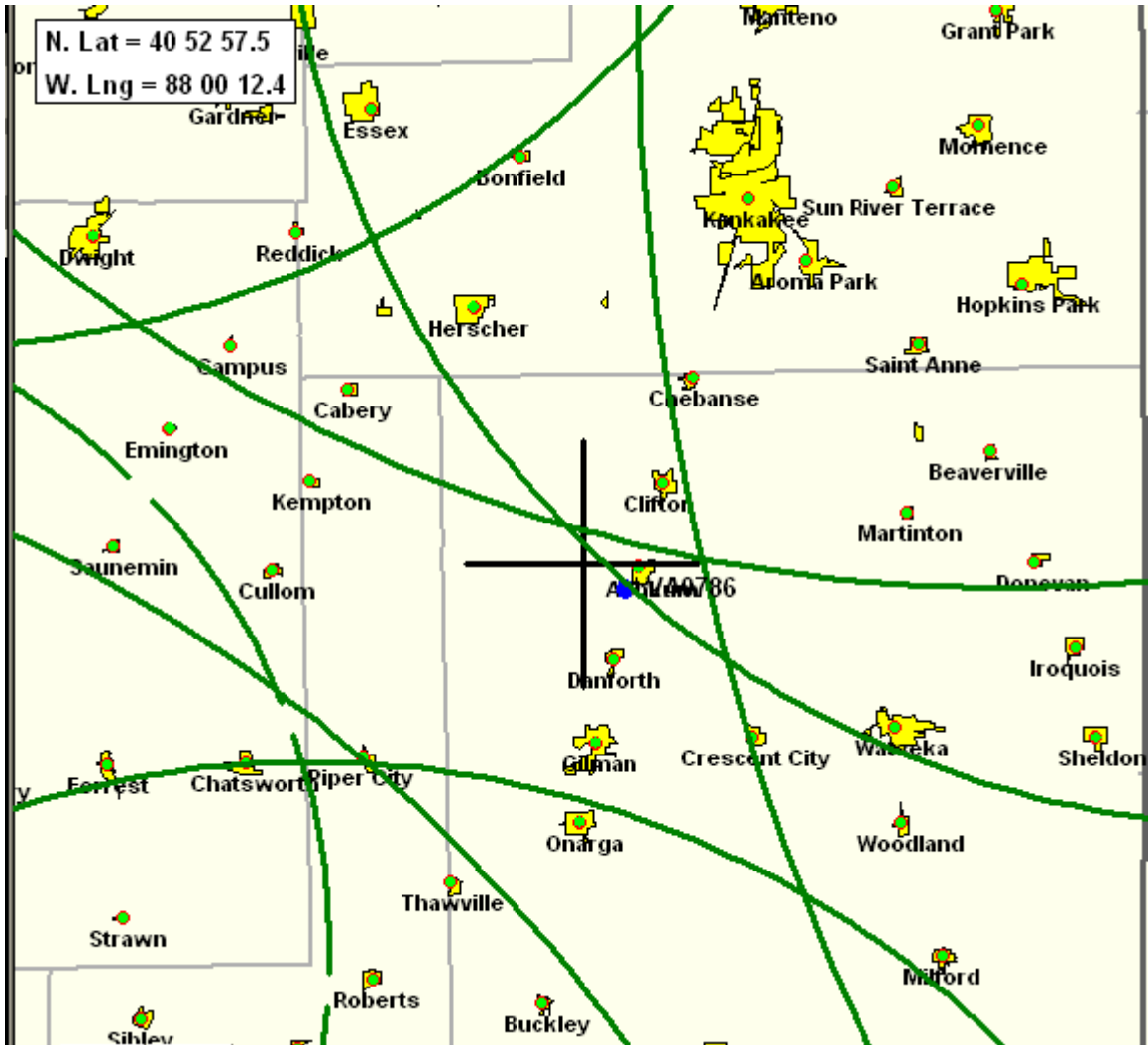


70 dBu coverage above. 60 dBu Coverage Information:

Population Database: 2000 US Census (SF1)

	Population	Housing Units	Area (sq. km)
CLIF (297) [Clifton, IL]			
FCC F(50-50) 60.00 dBu (34,348	13,618	2367.9

Exhibit 15b - Spacing Requirements



REFERENCE
 40 52 57.5 N.
 88 00 12.4 W.

CLASS = A
 Current Spacings to 3rd Adj.

DISPLAY DATES
 DATA 02-12-10
 SEARCH 02-20-10

----- Channel 297 - 107.3 MHz -----

Call	Channel	Location	Azi	Dist	FCC	Margin
VA0786	VAC 297A	Clifton	IL 119.9	3.6	114.5	-110.9
WZVN	LIC 296A	Lowell	IN 43.7	72.6	71.5	1.1
WSCI-FM	LIC 298B	Chicago	IL 15.4	114.8	112.5	2.3
WRSW-FM	LIC 297B	Warsaw	IN 77.5	185.9	177.5	8.4
WPGU	LIC 296A	Urbana	IL 192.9	88.1	71.5	16.6
WDKR	LIC 297A	Maroa	IL 221.5	135.5	114.5	21.0
WYST	LIC-Z 299B1	Fairbury	IL 247.0	71.4	47.5	23.9
WSPY-FM	LIC 296A	Plano	IL 331.4	99.3	71.5	27.8
DWZZQ	VAC 298B	Terre Haute	IN 162.6	160.3	112.5	47.8
WLEY-FM	LIC-D 300B	Aurora	IL 357.2	116.9	68.5	48.4

Exhibit 18: Non-Ionizing Electromagnetic Radiation (NEIR) Analysis

The Effective Radiated Power for proposed will be 6 kilowatts. The antenna will be located at a managed tower site

The OET program FM Model for Windows, Version 2.10 Beta was used to determine the maximum predicted RF exposure. The settings used were:

Antenna: Shively 6810
Horizontal ERP (W): 6000
Vertical ERP (W): 6000
Antenna Height (m): 90
Number of Elements: 2
Element Spacing: .5

Using these settings, the maximum predicted RF exposure for a human standing on the ground would be 4.37 $\mu\text{W}/\text{cm}^2$ at 160 m. This represents less than 2.2% of the FCC Maximum Permissible Exposure (MPE) of 200 $\mu\text{W}/\text{cm}^2$ for uncontrolled environments. 47 CFR 1.1307(b)(3) exempts applicants from preparing an Environmental Assessment when the predicted exposure levels when the predicted exposure levels would be less than 5% of the FCC limits.

The applicant will make sure the site has all necessary RF exposure hazards to tower climbers posted. If and when climbing the tower is necessary, transmitter power will be reduced or operation will cease, as necessary. This will be in cooperation with other emitters on the tower so as not to exceed the MPE limits for the climbers.