TV6 Calculation for Irondale, IL

TV6 Call sign: WITI

Fcc Search

32.5 dBu

City: Milwaukee

State: WI

COR AMSL (m): 502

HAAT(m): 305

Latitude: 430526

Longitude: 875350

TV ERP (kW): 100.000

FM Horizontal ERP: 0.01

Outside City Of 50k

47 | 47 | 1

TV

FM

Plot Scale: 150

DLG AJPI

Hide Zeros

Plot All Centroids

Plot Inside Centroid Counts

Plot All Centroid Counts

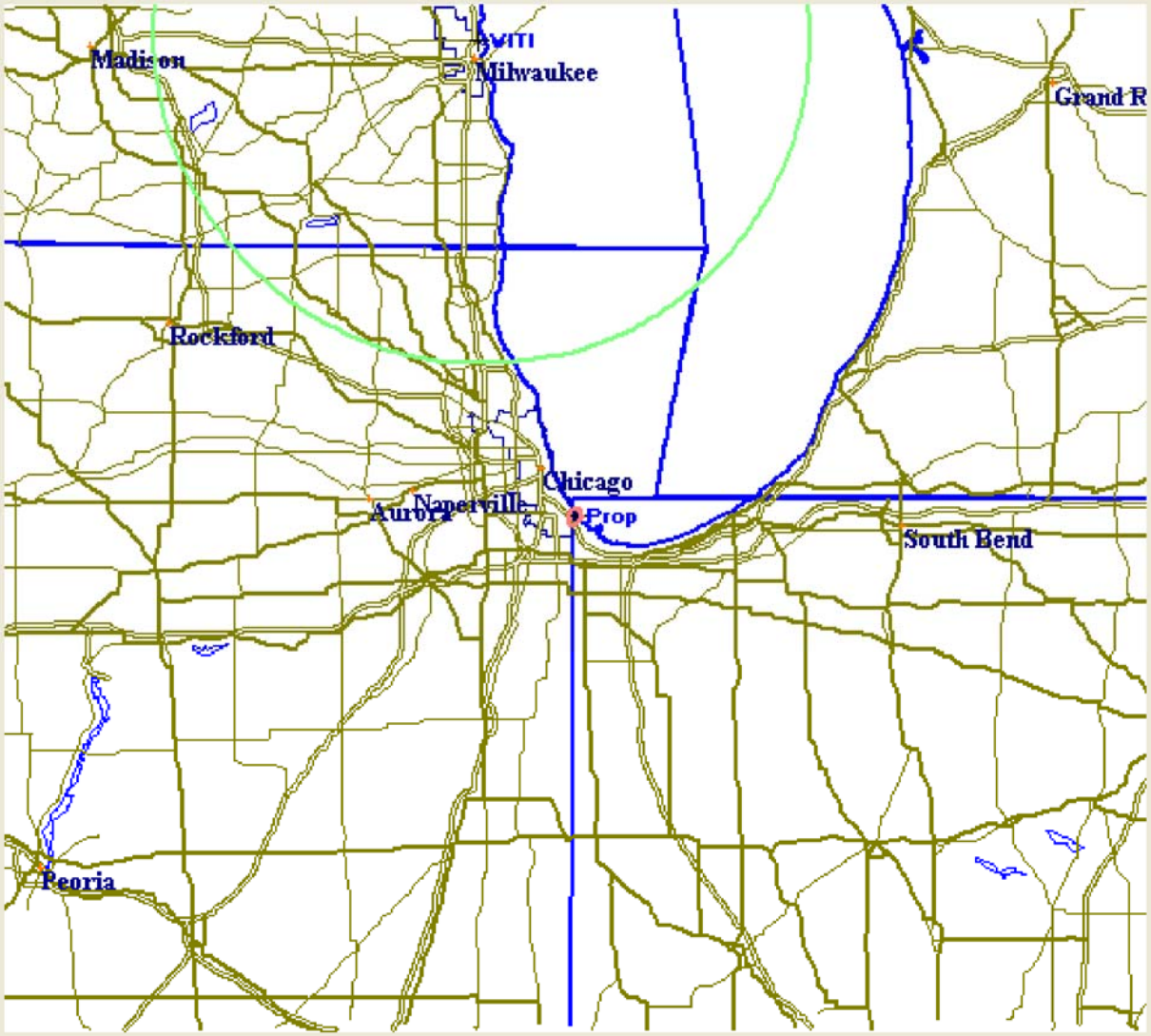
Plot Contours

Print All Centroids to -3 dBu

Print Centroids

Print TV Contour Table

Comp | Copy F / Copy I | PrintText | Print Form

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Channel Six TV Protection Study

WITI     06 100.000kW ERP     502.0M COR AMSL     305.0M HAAT    Lat. 430526    Lon. 875350
Prop    205   0.167kW ERP     210.0M COR AMSL      29.6M HAAT    Lat. 414229    Lon. 873116

Distance from TV to FM 156.6586km   Azi 348.6degr   Rev Azi 168.6 degr
Cutoff radius for channel 205 is 225 km

The FM horizontal polarization component is      0.010 kW,
 and the area of just perceptible interference does not intersect a city of 50k,
 so the effective ERP is (Pv/40+Ph) 0.0142kW

The TV6 signal strength at the FM transmit site is  32.5 dBu
  This strength is outside the 68 dBu Grade A contour,
  allowing a 6 dB bonus to be applied to the allowable FM signal
  to F centroids (centroids in the angles between the FM station and the TV station)

TV Contour   Undesired/Desired Ratio  Total   Directional Total
    47                12.1             59.0          65.0

                                                Population in affected area      0
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