TV6 Calculation for Freehold, NJ

TV6 Call sign: WPVI-T | Fcc Search | 40.0 dBu

City: Philadelphia | State: PA

COR AMSL (m): 398 | HAAT(m): 332

Latitude: 400239 | Longitude: 751426

TV ERP (kW): 7.560

FM Horizontal ERP: 0.001

☑ Outside City Of 50k

47 | 47 | 1 | TV | FM

Plot Scale: 250 | ☑ DLG | ☐ AJPI

☑ Hide Zeros | ☑ TIGER

☐ Plot All Centroids

☑ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

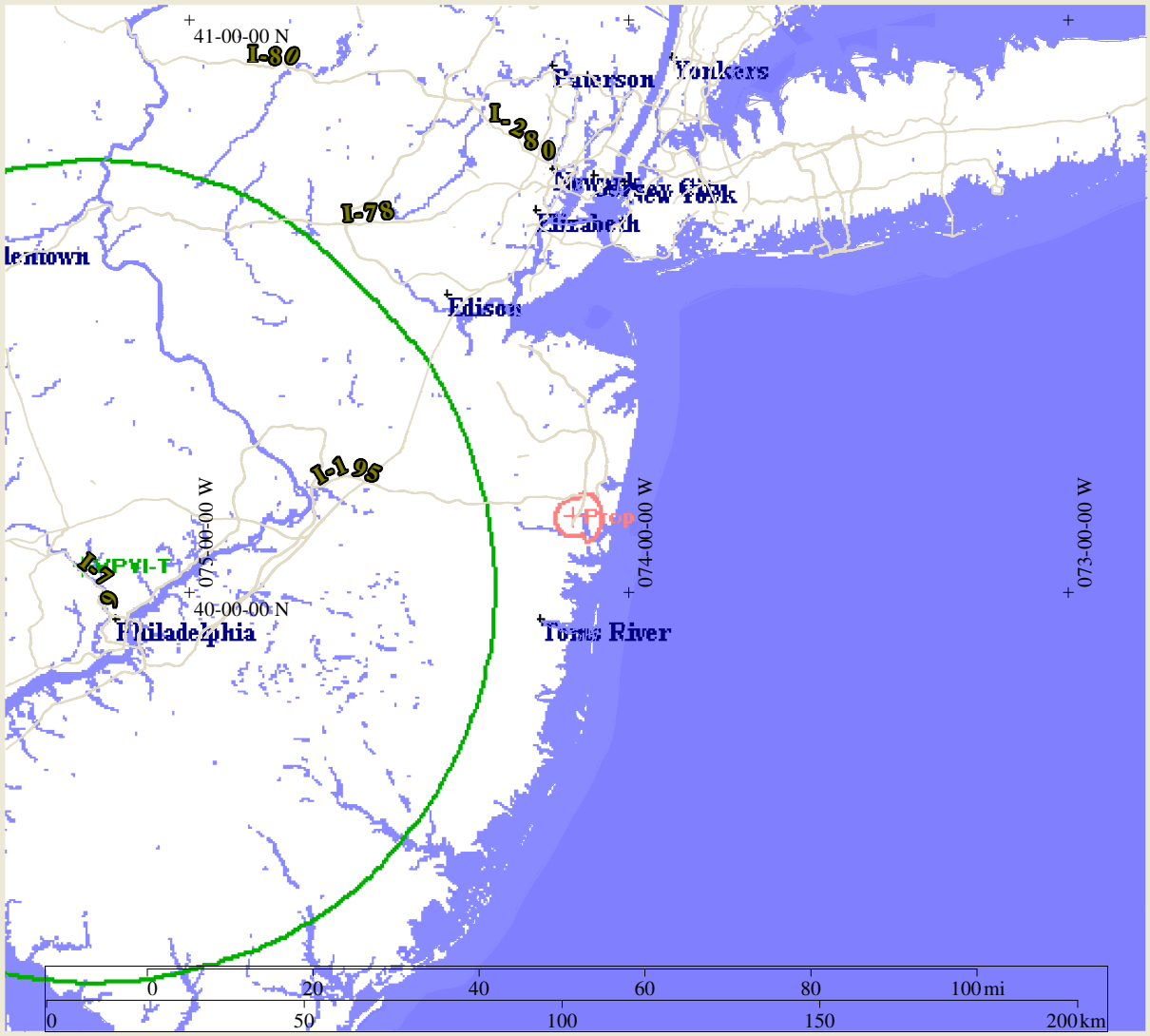
☑ Plot Contours

☐ 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

WPVI-T  06   7.560kW ERP    398.0M COR AMSL    332.0M HAAT   Lat. 400239   Lon. 751426
Prop    209  1.600kW ERP    109.0M COR AMSL     93.2M HAAT   Lat. 400749   Lon. 740719

Distance from TV to FM  95.8809km   Azi 264.3degr   Rev Azi  84.3 degr
Cutoff radius for channel 209 is 196 km

The FM horizontal polarization component is     0.001 kW,
 and the area of just perceptible interference does not intersect a city of 50k,
 so the effective ERP is (Pv/40+Ph) 0.0410kW

The TV6 signal strength at the FM transmit site is 40.000 dBu
  For F centroids (centroids where the TV6 signal strength is less than 68 dBu and
    which are also +-70 degrees from line from the FM station to the TV station)
    a 6 dB bonus is added to the allowable FM signal.

TV Contour   Undesired/Desired Ratio  Total   Directional Total
    47                20.4             67.3          73.3

                                                Population in affected area      0
2000 Block Centroids used
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