

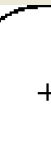
TV6 Calculation for Copiague, NY

TV6 Call sign: FCC Search:

City: State:

COR AMSL (m): HAAT (m):

Latitude: Longitude:

 TV ERP (kW):

FM Horizontal ERP:

☒ Outside City Of 50k

TV
FM

Plot Scale: ☒ DLG ☐ AJPI

☒ Hide Zeros ☒ TIGER

☐ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

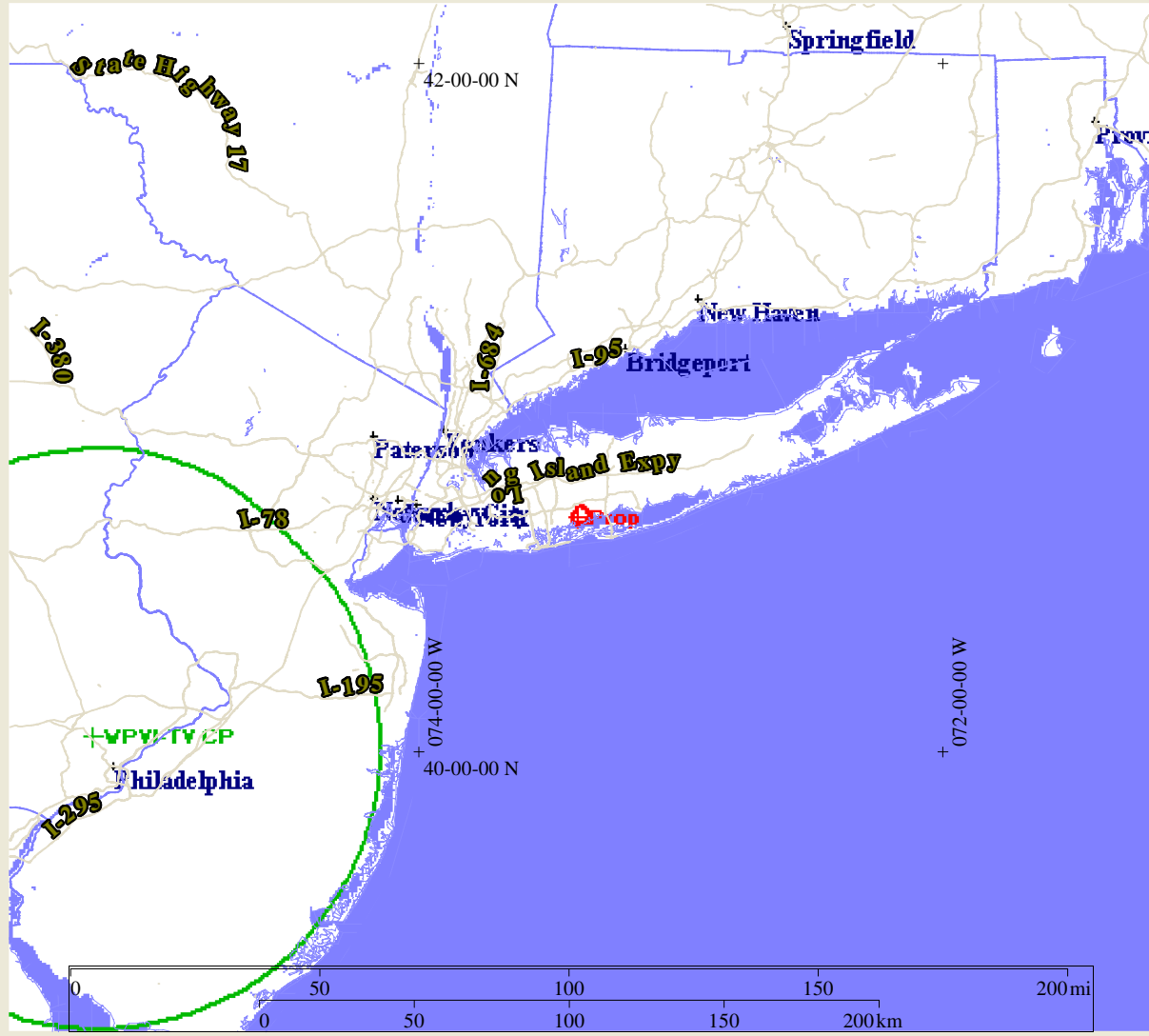
☒ Plot Contours

☐ Print All Centroids to dBu

☐ Print Centroids

☒ Print TV Contour Table

Comp: PrintText:



WPVI-T	06	30.200kW ERP	398.0M COR AMSL	332.0M HAAT	Lat. 400239	Lon. 751426
Prop	207	0.110kW ERP	21.0M COR AMSL	9.7M HAAT	Lat. 404058	Lon. 732304

Distance from TV to FM 172.8739km Azi 245.8degr Rev Azi 65.8 degr
Cutoff radius for channel 207 is 196 km

The FM horizontal polarization component is 0.110 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is $(P_v/40+P_h)$ 0.1127kW

The TV6 signal strength at the FM transmit site is 24.298 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