

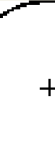
TV6 Calculation for Copiague, NY

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 ☐ AJPL ☐ TIGER

☒ Hide Zeros ☐

☒ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

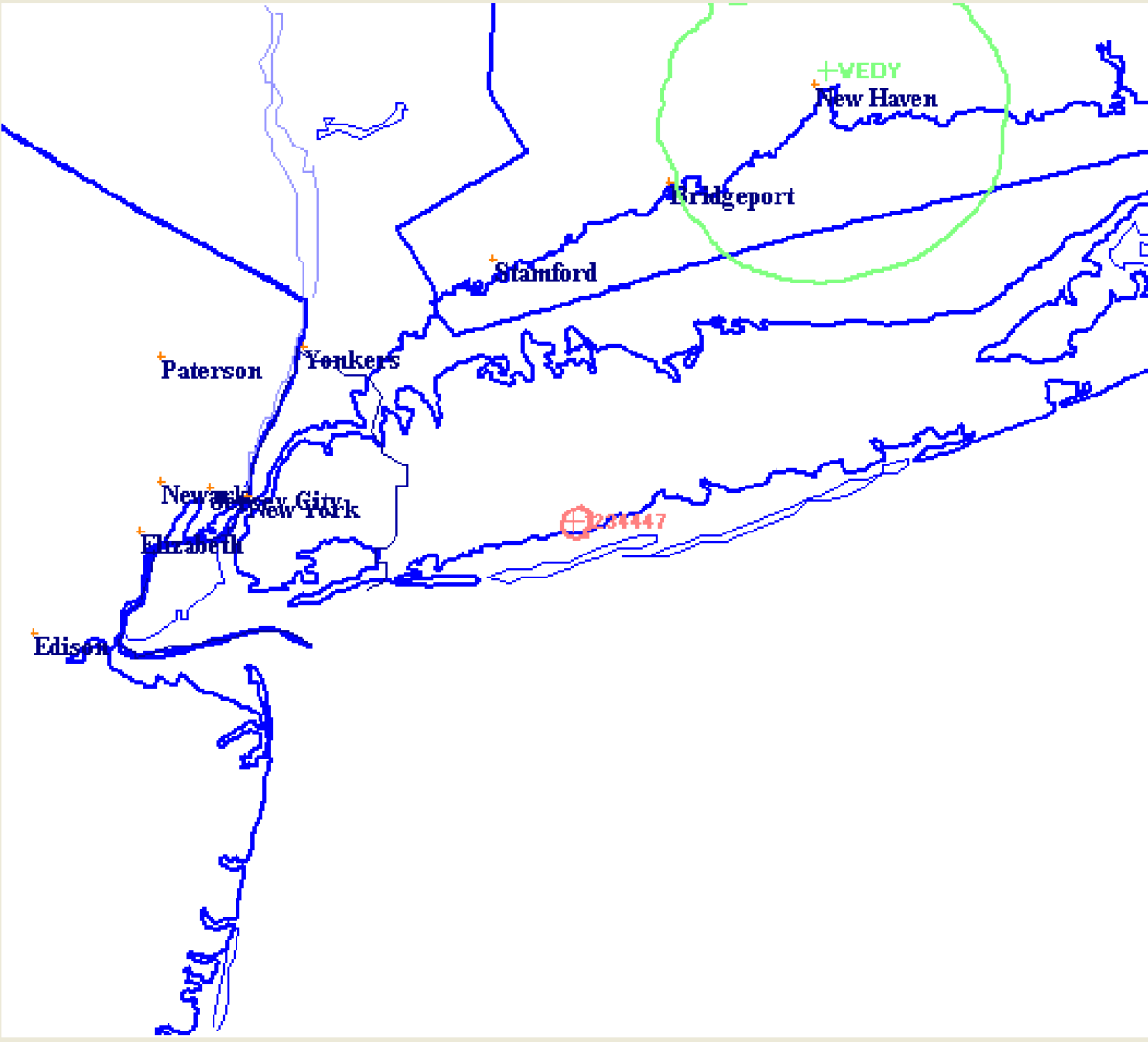
☒ Plot Contours

☐ Print All Centroids to dBu

☐ Print Centroids

☒ Print TV Contour Table

Comp: PrintText:



Channel Six TV Protection Study

WEDY	06	0.400kW ERP	132.0M COR AMSL	88.0M HAAT	Lat. 411942	Lon. 725425
123444	207	0.035kW ERP	63.0M COR AMSL	52.0M HAAT	Lat. 404052	Lon. 732304

Distance from TV to FM 82.3406km Azi 29.2degr Rev Azi 209.2 degr
Cutoff radius for channel 207 is 196 km

The FM horizontal polarization component is 0.035 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is $(P_v/40+P_h)$ 0.0359kW

The TV6 signal strength at the FM transmit site is 24.309 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