

# 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:

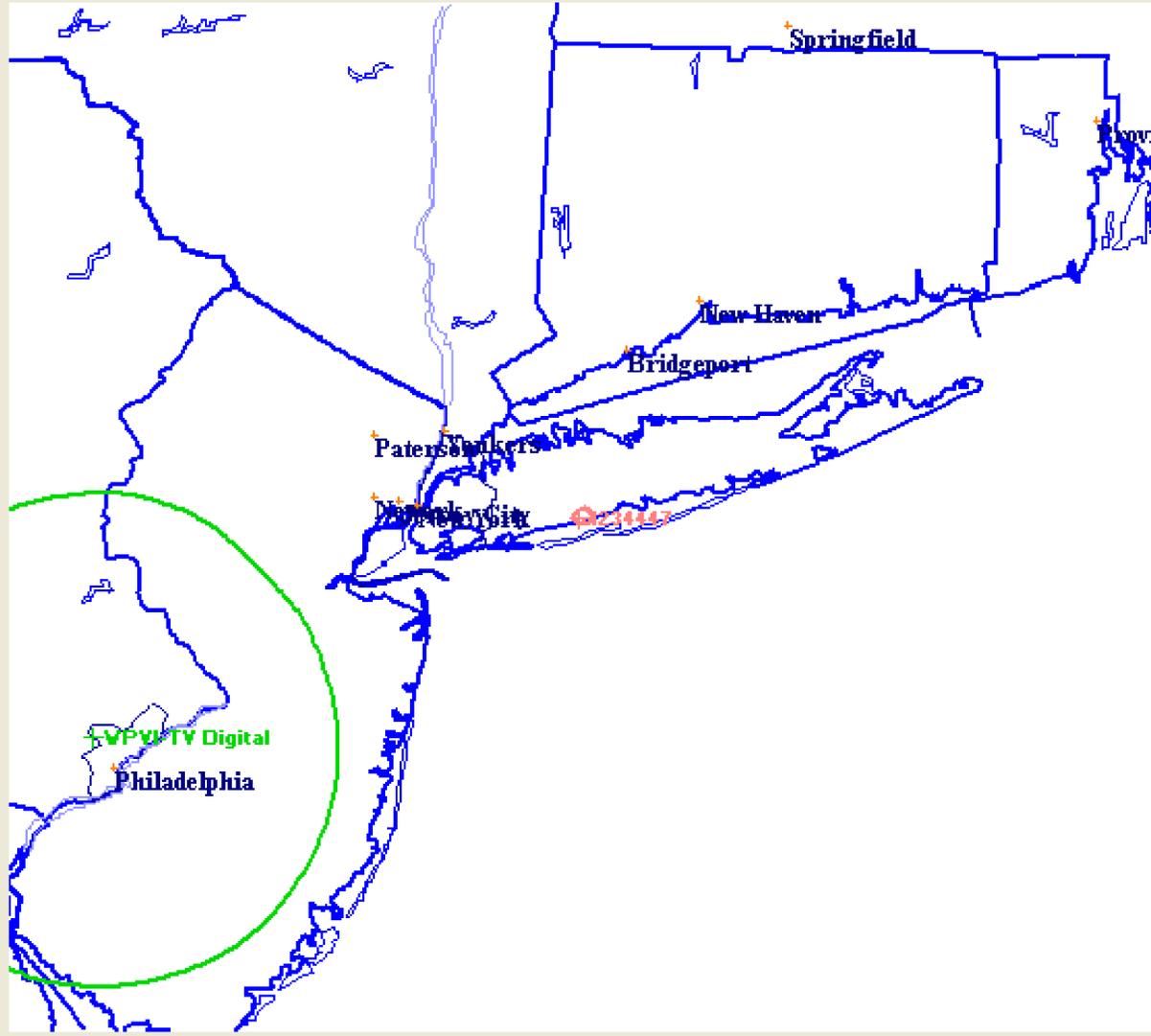
Outside City Of 50k

TV:  FM:  Channel:

Plot Scale:   DLG  AJPI  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:



**Channel Six TV Protection Study**

WPVI-T 06	7.560kW ERP	398.0M COR AMSL	332.0M HAAT	Lat. 400239	Lon. 751426
123444 207	0.035kW ERP	63.0M COR AMSL	52.0M HAAT	Lat. 404052	Lon. 732304

Distance from TV to FM 172.7998km Azi 245.8degr Rev Azi 65.8 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 (Pv/40+Ph) 0.0359kW

The TV6 signal strength at the FM transmit site is 18.298 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