

TV6 Calculation for Copiague, NY

TV6 Call sign: WPVI-TV LI Fcc Search: 18.3 dBu

City: Philadelphia State: PA

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

Latitude: 400239 Longitude: 751426

TV ERP (kW): 7.560

FM Horizontal ERP: 0.110

☒ Outside City Of 50k

47 47 1

Plot Scale: 150

☒ DLG ☐ AJPI

☒ Hide Zeros ☒ TIGER

☐ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

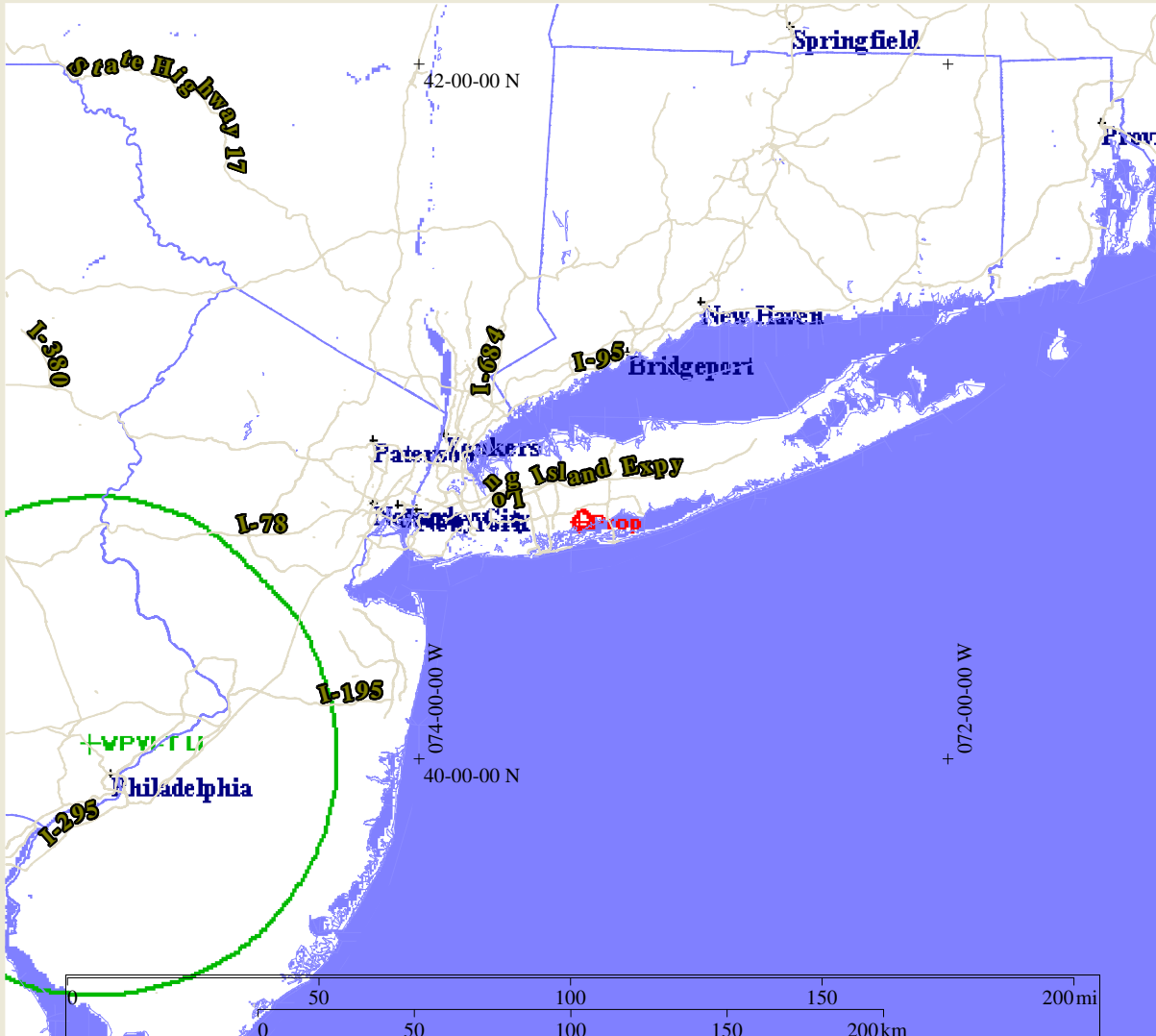
☒ Plot Contours

☐ Print All Centroids to: -3 dBu

☐ Print Centroids

☒ Print TV Contour Table

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WPVI-T	06	7.560kW ERP	398.0M COR AMSL	332.0M HAA	Lat. 400239	Lon. 751426
Prop	207	0.110kW ERP	21.0M COR AMSL	9.7M HAA	Lat. 404058	Lon. 732304

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Distance from TV to FM 172.8739km    Azi 245.8degr    Rev Azi  65.8 degr
Cutoff radius for channel 207 is 196 km
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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 18.283 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
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2000 Block Centroids used