

TV6 Calculation for Copiague, NY

TV6 Call sign
WPVITV

Fcc Search
27.9 dBu

City
Philadelphia

State
PA

COR AMSL (m)
398

HAAT(m)
332

Latitude
400239

Longitude
751426

+

TV ERP (kW)
74.100

FM Horizontal ERP
1.775

☒ Outside City Of 50k

47

47

1

TV

FM

Plot Scale
170

☒ DLG ☐ AJPI

☒ Hide Zeros

☒ 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

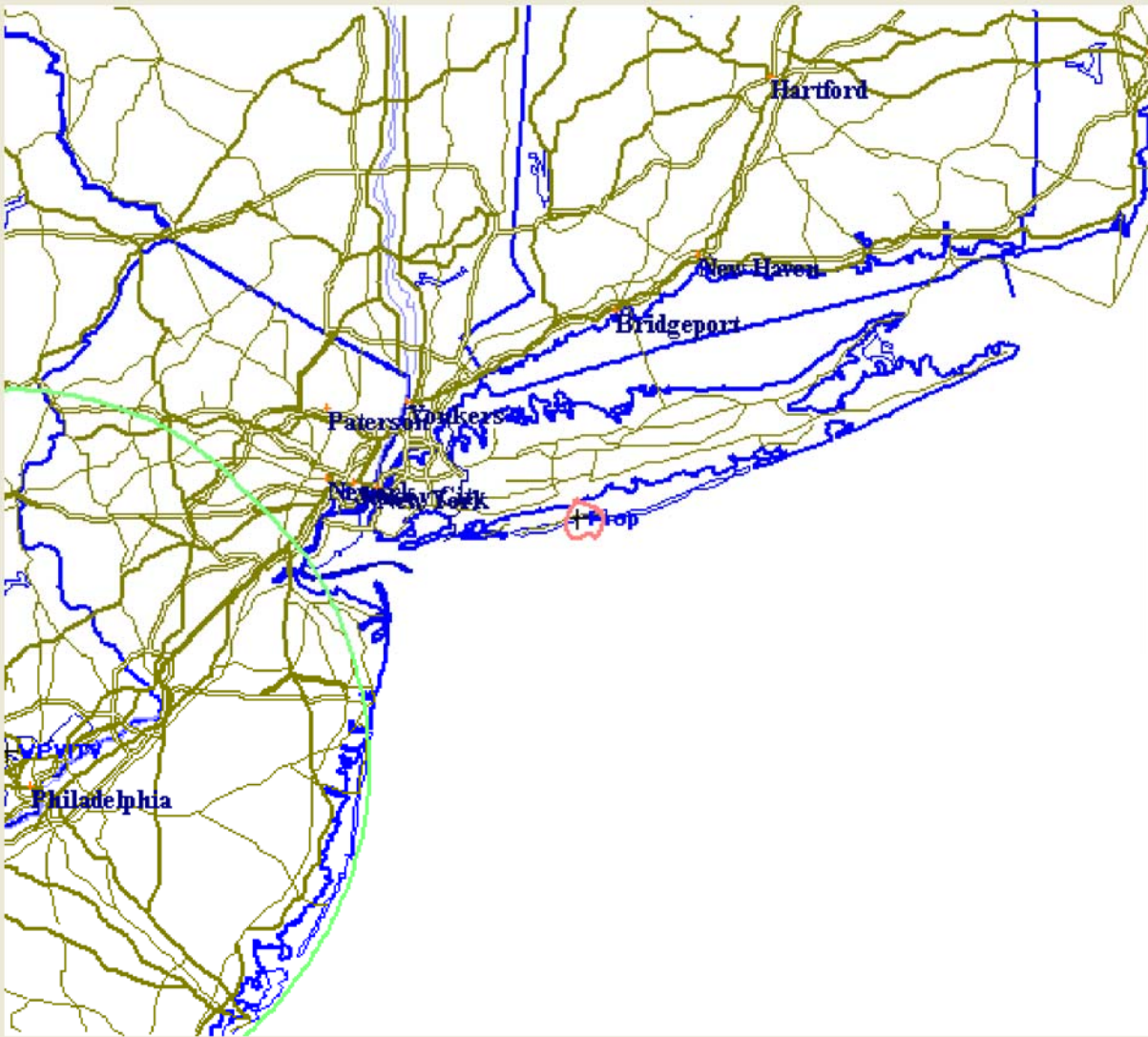
Comp

COPY F

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Print Text

Print Form



Channel Six TV Protection Study						
WPVITV	06	74.100kW ERP	398.0M COR AMSL	332.0M HAAT	Lat. 400239	Lon. 751426
Prop	209	1.775kW ERP	31.0M COR AMSL	28.2M HAAT	Lat. 403804	Lon. 731959
Distance from TV to FM 174.8350km Azi 248.0degr Rev Azi 68.0 degr						
Cutoff radius for channel 209 is 196 km						
The FM horizontal polarization component is 1.775 kW, and the area of just perceptible interference does not intersect a city of 50k, so the effective ERP is (Pw/40+Ph) 1.8194kW						
The TV6 signal strength at the FM transmit site is 27.9 dBu This strength is outside the 68 dBu Grade A contour, allowing a 6 dB bonus to be applied to the allowable FM signal to F centroids (centroids in the angles between the FM station and the TV station)						
TV Contour	Undesired/Desired Ratio	Total	Directional Total			
47	20.4	67.3	73.3			
Population in affected area						0