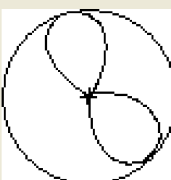


# TV6 Calculation for Napeague, NY

TV6 Call sign  
WNYZ-L  
City  
New York  
COR AMSL (m)  
224  
Latitude  
404450

Fcc Search  
-11.7 dBu  
State  
NY  
HAAT(m)  
213  
Longitude  
735638



TV ERP (kW)  
0.300  
FM Horizontal ERP  
4.6

☒ Outside City Of 50k

47  
47  
1

TV  
FM

Plot Scale  
150

☒ DLG ☐ AJPI

☒ Hide Zeros ☒ TIGER

☐ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

☒ Plot Contours

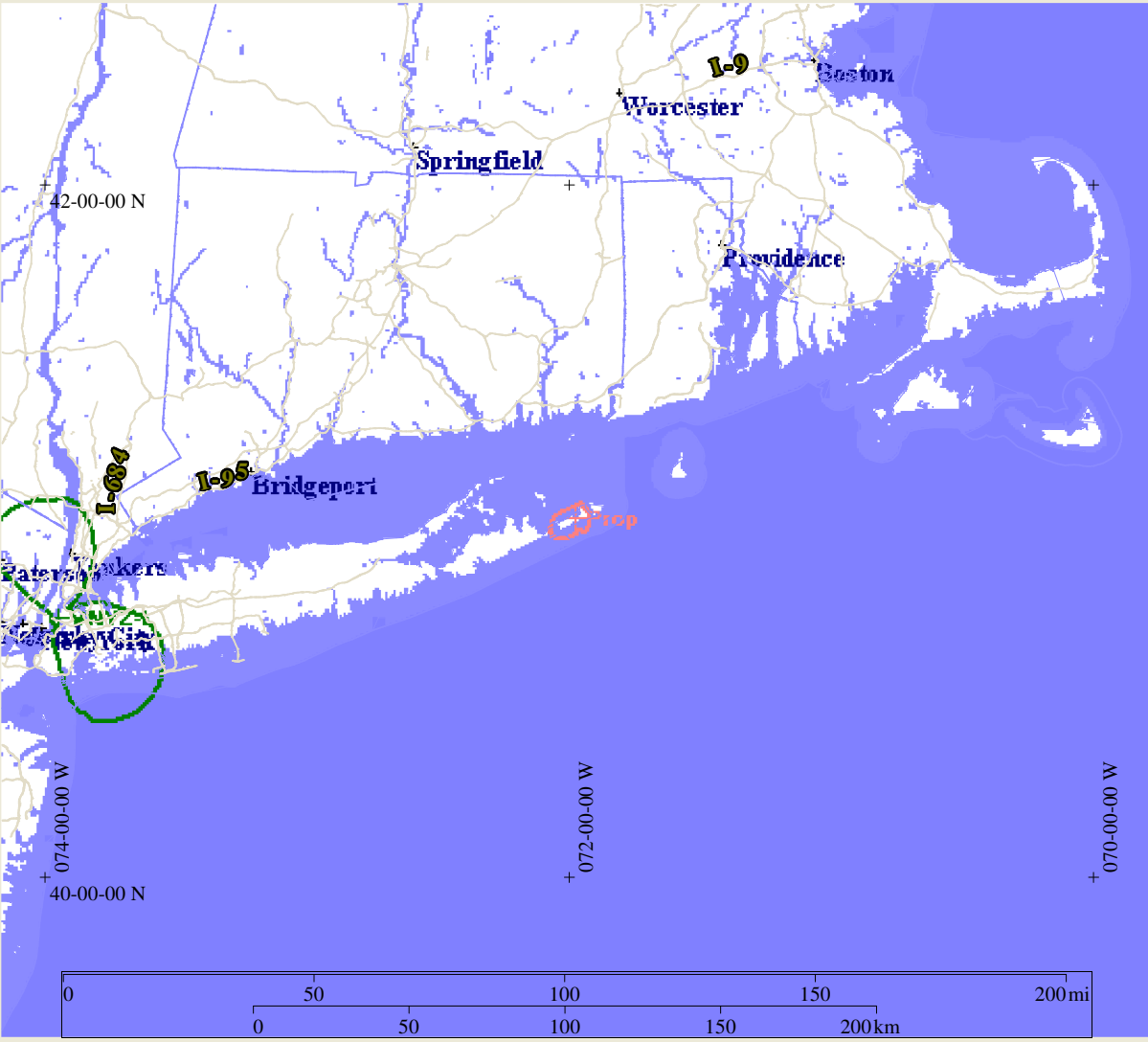
☐ Print All Centroids to -3 dBu

☐ Print Centroids

☒ Print TV Contour Table

Comp  
Copy F  
Copy I

PrintText  
Print Form



Channel Six TV Protection Study

WNYZ-L	06	0.300kW ERP	224.0M COR AMSL	213.0M HAAT	Lat. 404450	Lon. 735638
Prop	214	4.600kW ERP	81.0M COR AMSL	80.0M HAAT	Lat. 410156	Lon. 715830

Distance from TV to FM 168.9243km Azi 259.2degr Rev Azi 79.2 degr  
Cutoff radius for channel 214 is 187 km

The FM horizontal polarization component is 4.600 kW,  
and the area of just perceptible interference does not intersect a city of 50k,  
so the effective ERP is (Pv/40+Ph) 4.7150kW

The TV6 signal strength at the FM transmit site is -11.651 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	24.9	71.8	77.8

Population in affected area 0

2000 Block Centroids used