

TV6 Calculation for East Falmouth, MA

TV6 Call sign

WEDY

Fcc Search

-6.9 dBu

City

New Haven

State

CT

COR AMSL (m)

132

HAAT(m)

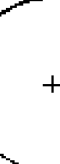
88

Latitude

411942

Longitude

725425



TV ERP (kW)

0.400

FM Horizontal ERP

8.4

☒ Outside City Of 50k

47

47

1

TV

FM

Plot Scale

100

☒ 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

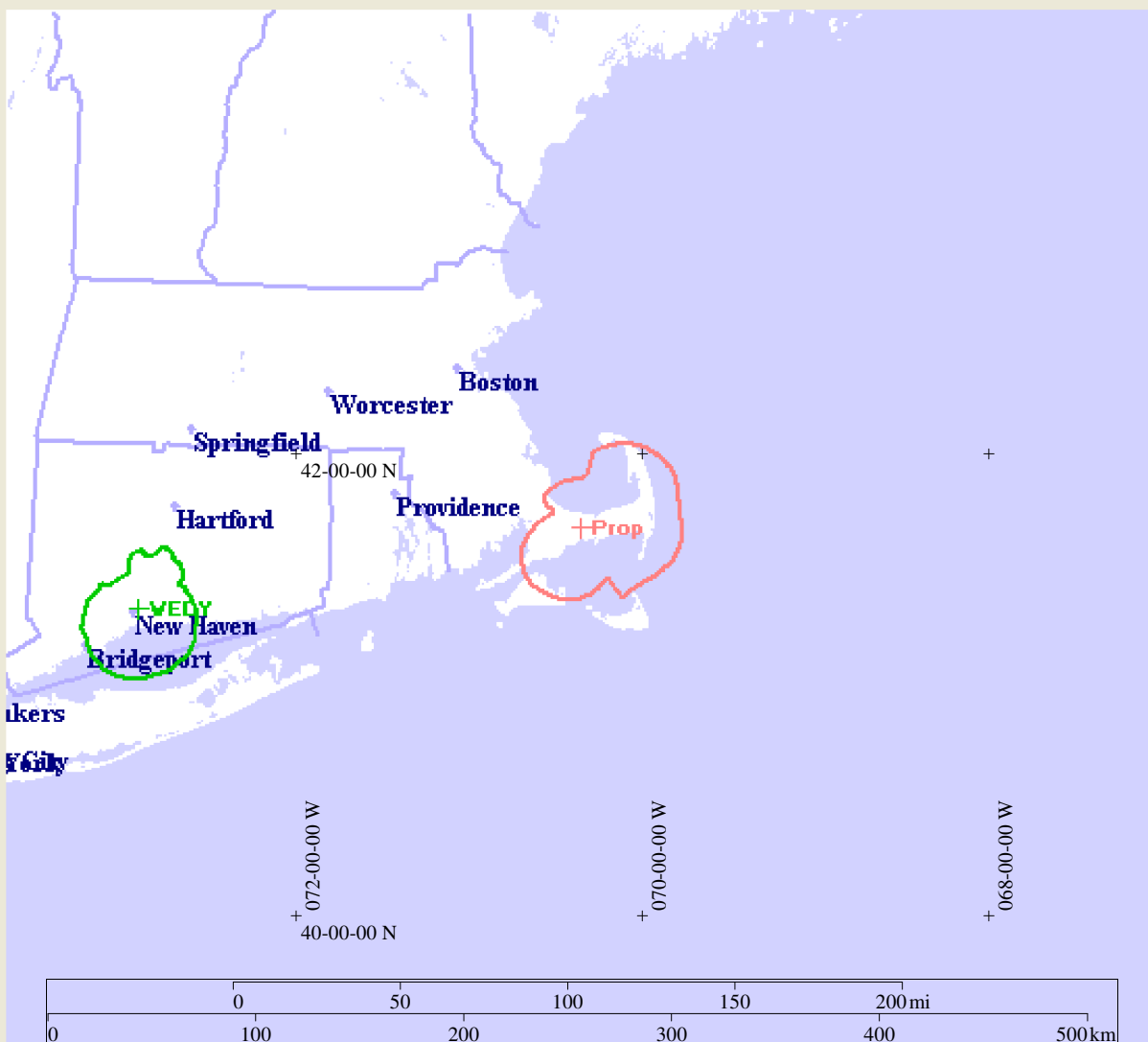
Comp

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Channel Six TV Protection Study

WEDY	06	0.400kW ERP	132.0M COR AMSL	88.0M HAAT	Lat. 411942	Lon. 725425
Prop	202	8.400kW ERP	82.0M COR AMSL	74.0M HAAT	Lat. 414057	Lon. 702117

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Distance from TV to FM 216.6889km   Azi 259.5degr   Rev Azi 79.5 degr
Cutoff radius for channel 202 is 257 km
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The FM horizontal polarization component is 8.400 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is $(P_v/40+P_h)$ 8.6100kW

The TV6 signal strength at the FM transmit site is -6.920 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	3.8	50.9	56.9	

Population in affected area	0
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2000 Block Centroids used