

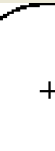
## TV6 Calculation for Dalton, MA

TV6 Call sign: WEDY FCC Search: 8.5 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: 0.160

☒ Outside City Of 50k

47

47

1

TV

FM

Plot Scale: 175
☒ DLG
☐ AJPI

☒ Hide Zeros
☒ TIGER

☐ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

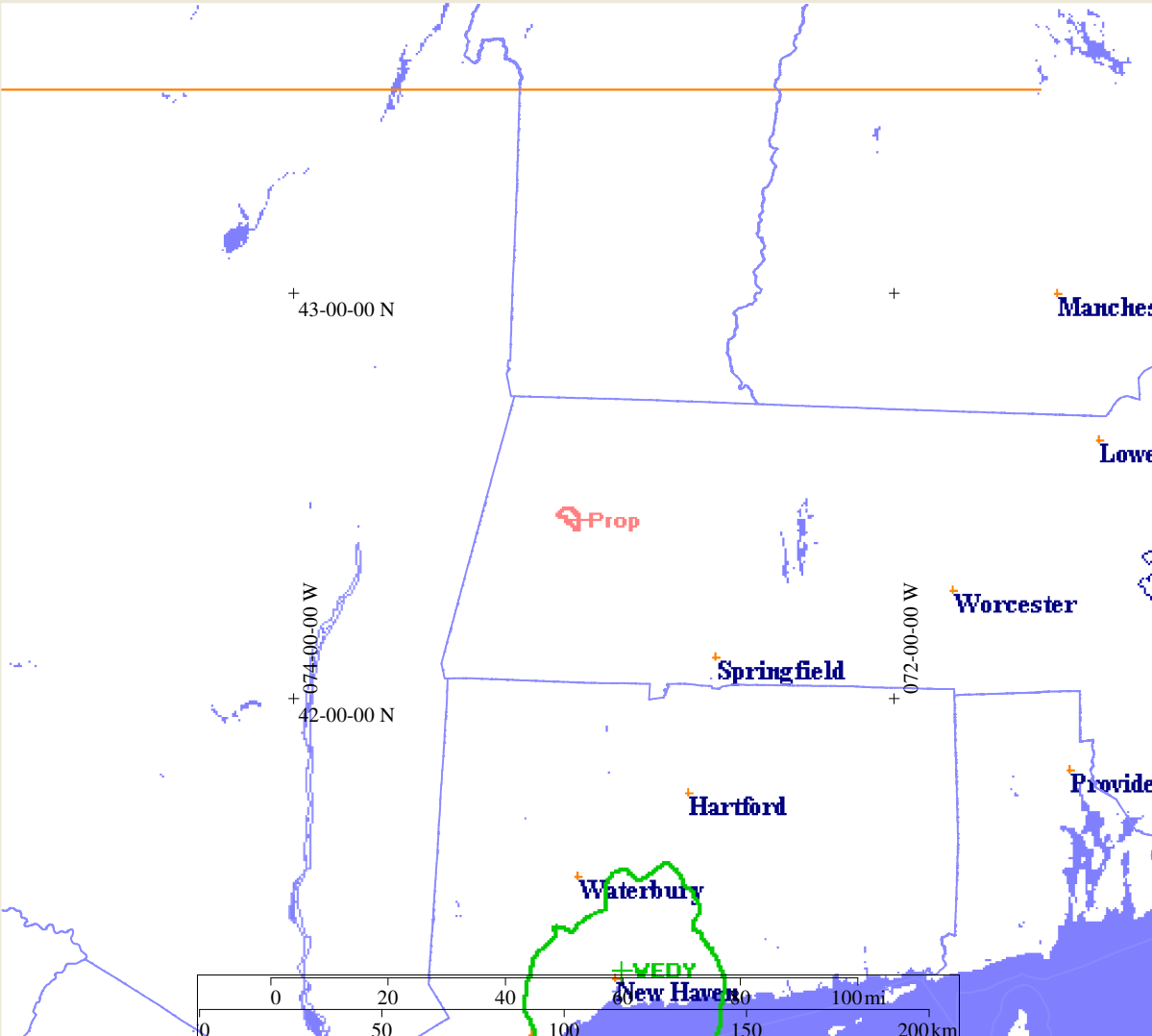
☒ Plot Contours

☐ Print All Centroids to: -3 dBu

☐ Print Centroids

☒ Print TV Contour Table

Comp Copy F Copy L PrintText Print Form



## Channel Six TV Protection Study

WEDY	06	0.400kW ERP	132.0M COR AMSL	88.0M HAA	Lat. 411942	Lon. 725425
Prop	219	0.160kW ERP	776.0M COR AMSL	298.1M HAA	Lat. 422611	Lon. 730314

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Distance from TV to FM 123.6740km    Azi 174.3degr    Rev Azi 354.3 degr
Cutoff radius for channel 219 is 159 km
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The FM horizontal polarization component is 0.160 kW,  
and the area of just perceptible interference does not intersect a city of 50k,  
so the effective ERP is  $(P_v/40+P_h)$  0.1640kW

The TV6 signal strength at the FM transmit site is 8.532 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	36.0	83.0	89.0	

Population in affected area	0
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2000 Block Centroids used