

TV6 Calculation for Wellfleet, MA

TV6 Call sign
WLNETV

Fcc Search
46.1 dBu

City
New Bedford

State
MA

COR AMSL (m)
304

HAAT(m)
283

Latitude
413548

Longitude
711124

+

TV ERP (kW)
100.000

FM Horizontal ERP

☒ Outside City Of 50k

TV

FM

Plot Scale
2500

☒ 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

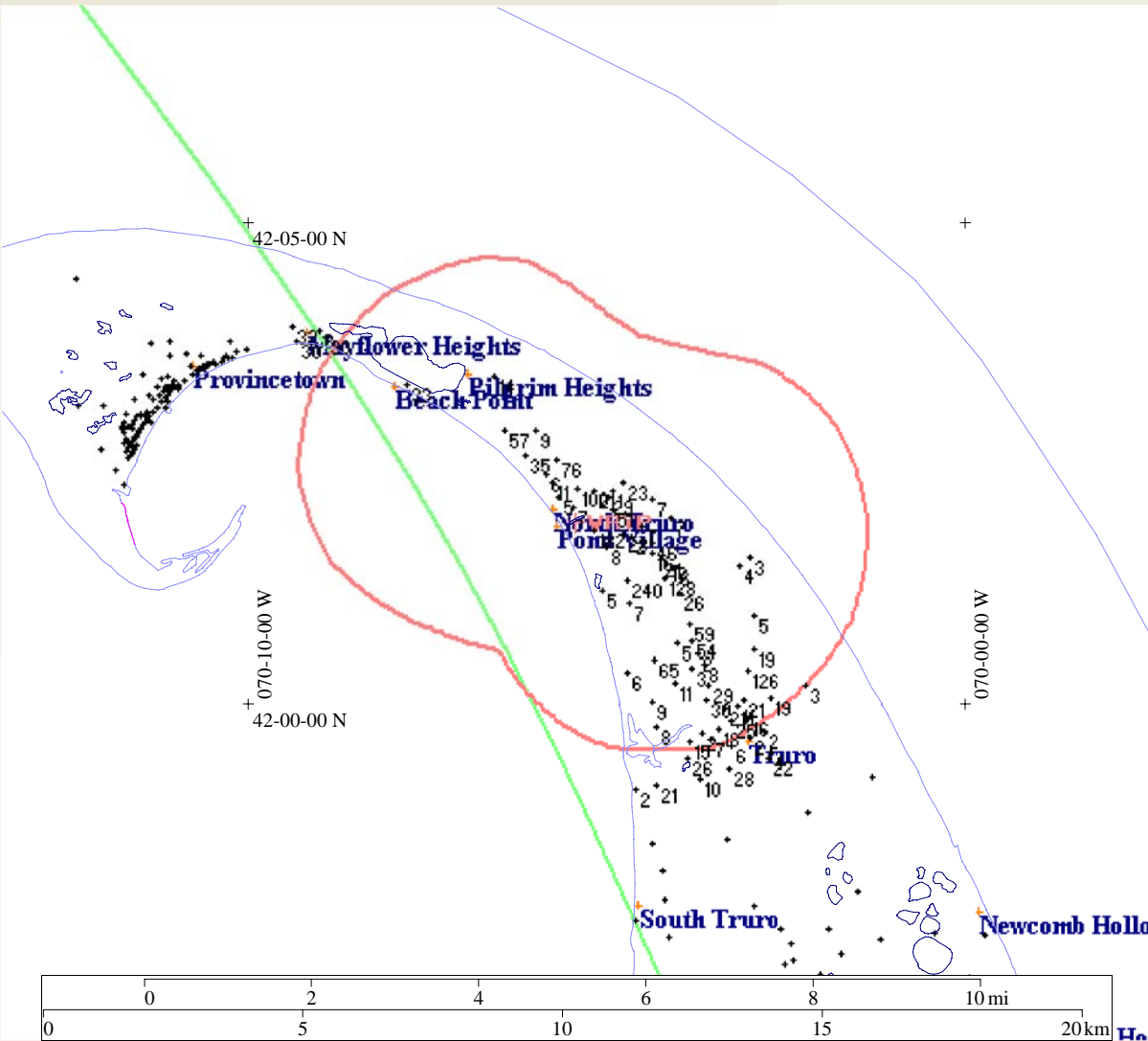
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Channel Six TV Protection Study

WLNETV	06	100.000kW ERP	304.0M COR AMSL	283.0M HAAT	Lat. 413548	Lon. 711124
WRYP	211	22.000kW ERP	26.0M COR AMSL	26.0M HAAT	Lat. 420153	Lon. 700526

Distance from TV to FM 103.3319km Azi 242.1degr Rev Azi 62.1 degr
Cutoff radius for channel 211 is 196 km

The FM horizontal polarization component is 0.000 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is (Pw/40+Ph) 0.5500kW

The TV6 signal strength at the FM transmit site is 46.147 dBu

TV Contour	Undesired/Desired Ratio	Total
47	20.4	67.3

Population in affected area 0

2000 Block Centroids used