

TV6 Calculation for Copiague, NY

TV6 Call sign: FCC Search: 28.2 dBu

PVI-TV Analog: City: Philadelphia State: PA

COR AMSL (m): 398 HAAT(m): 332

Latitude: 400239 Longitude: 751426

TV ERP (kW): 74.100

FM Horizontal ERP: 0.035

☒ Outside City Of 50k

47 47 1

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 L PrintText Print Form



Channel Six TV Protection Study

WPVI-T	06	74.100kW	ERP	398.0M	COR	AMSL	332.0M	HAA	T	Lat.	400239	Lon.	751426
123444	207	0.035kW	ERP	63.0M	COR	AMSL	52.0M	HAA	T	Lat.	404052	Lon.	732304

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Distance from TV to FM 172.7998km    Azi 245.8degr    Rev Azi  65.8 degr
Cutoff radius for channel 207 is 196 km
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The FM horizontal polarization component is 0.035 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is $(P_v/40+P_h)$ 0.0359kW

The TV6 signal strength at the FM transmit site is 28.211 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	20.4	67.3	73.3	

Population in affected area	0
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2000 Block Centroids used