

TV6 Calculation for Pocatello, ID

TV6 Call sign
KPVI

Fcc Search
98.2 dBu

City
Pocatello

State
ID

COR AMSL (m)
2078

HAAT(m)
466

Latitude
425515

Longitude
1122044

+

TV ERP (kW)
100.000

FM Horizontal ERP
3

☐ Outside City Of 50k

TV

FM

Plot Scale
2000

☒ 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

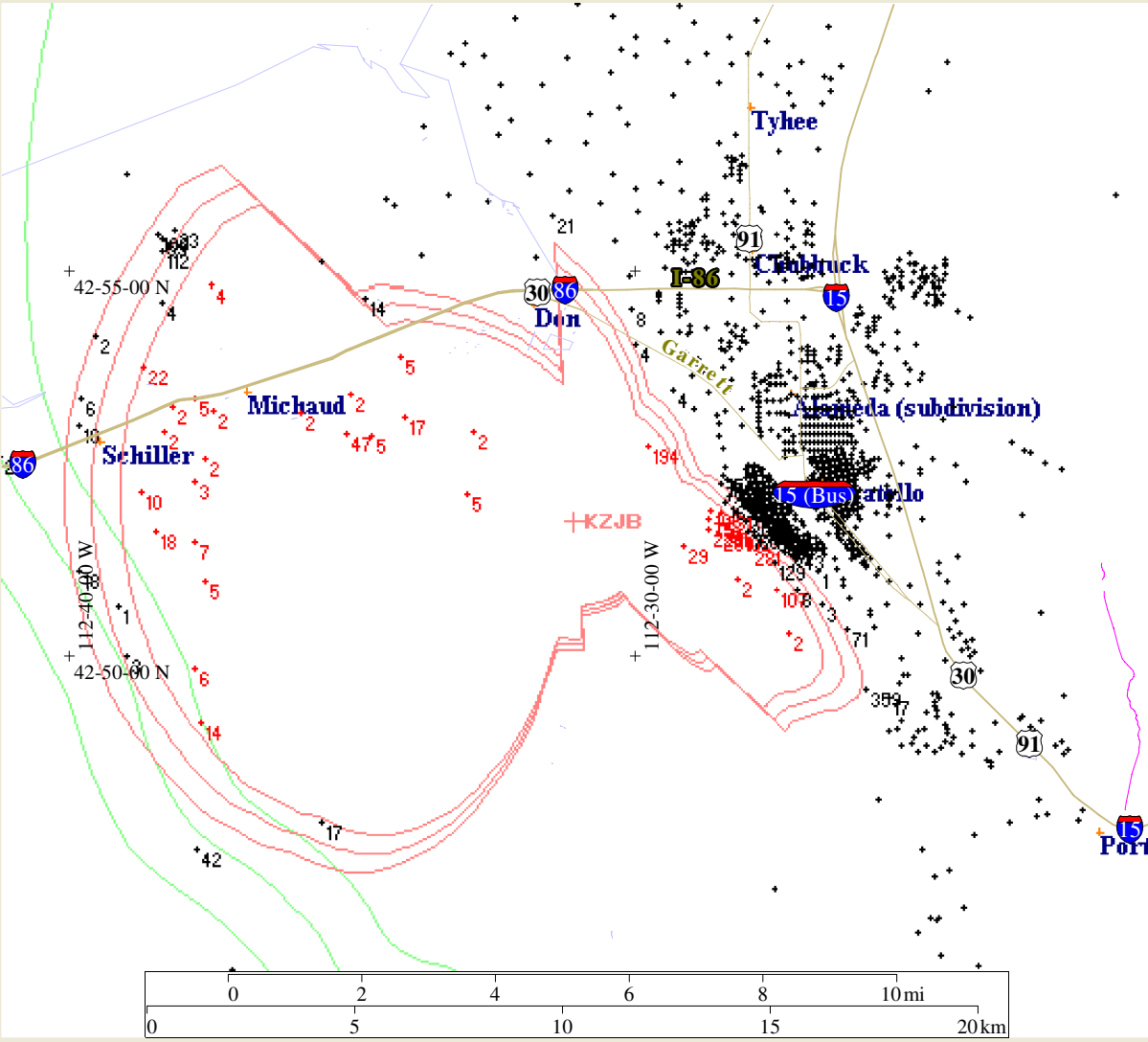
☒ Print TV Contour Table

Comp

Copy F

PrintText

Print Form



Channel Six TV Protection Study

KPVI	06	100.000kW ERP	2078.0M COR AMSL	466.0M HAAT	Lat. 425515	Lon. 1122044
KZJB	212	26.500kW ERP	1842.0M COR AMSL	325.1M HAAT	Lat. 425146	Lon. 1123103

Distance from TV to FM 15.4554km Azi 65.3degr Rev Azi 245.3 degr
Cutoff radius for channel 212 is 195 km

The FM horizontal polarization component is 3.000 kW,
and the area of just perceptible interference does intersect a city of 50k,
so the effective ERP is (Pv/10+Ph) 5.6500kW

The TV6 signal strength at the FM transmit site is 98.159 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
88	-0.4	87.6	93.6
89	-0.5	88.5	94.5
90	-0.6	89.4	95.4

Population in affected area 1882

2000 Block Centroids used