

# TV6 Calculation for Pocatello, ID

TV6 Call sign:  FCC Search:

City:  State:

COR AMSL (m):  HAAT(m):

Latitude:  Longitude:

TV ERP (kW):

FM Horizontal ERP:

Outside City Of 50k

TV  FM

Plot Scale:

DLG  AJPI

Hide Zeros  TIGER

Plot All Centroids

Plot Inside Centroid Counts

Plot All Centroid Counts

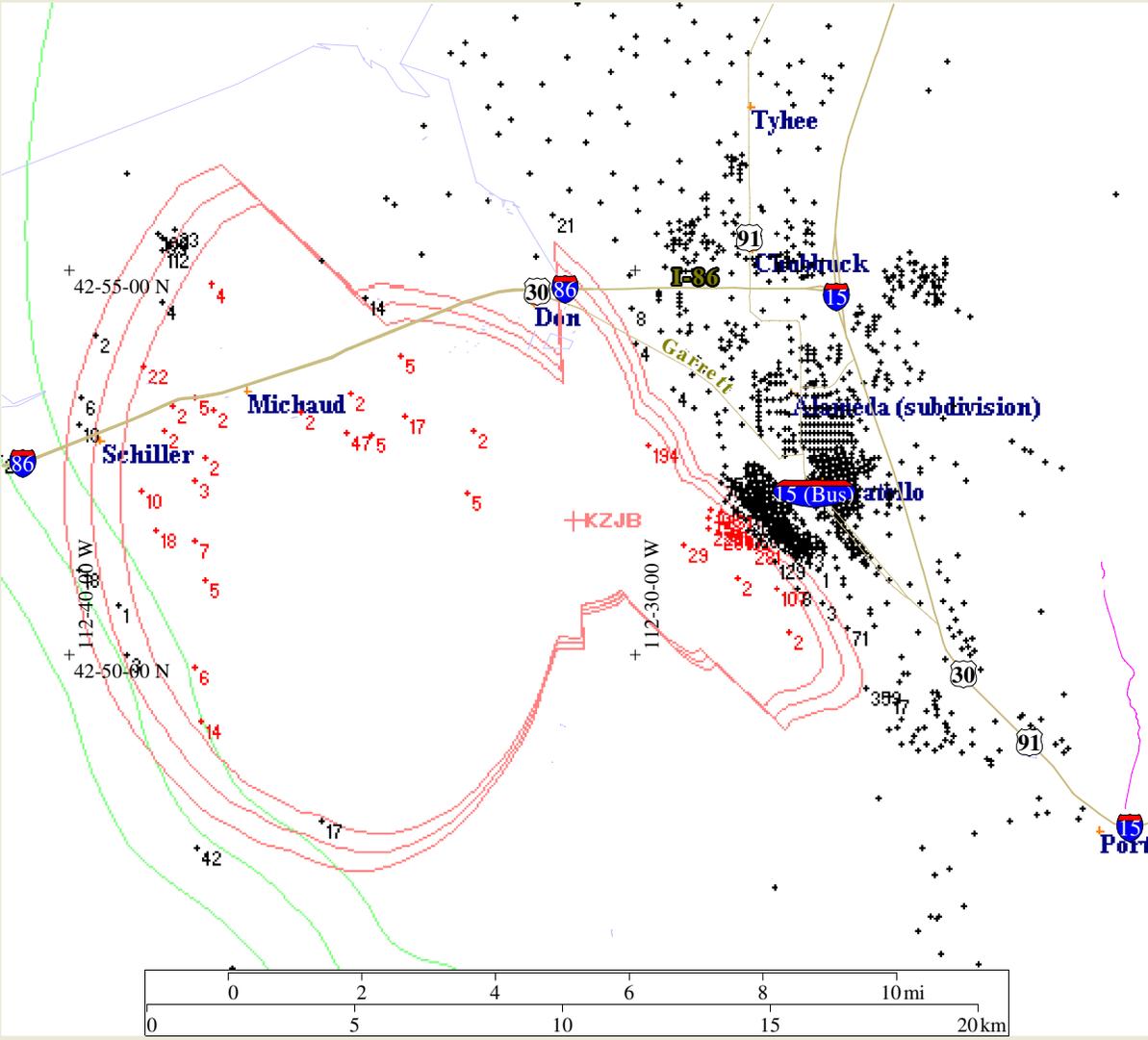
Plot Contours

Print All Centroids to  dBu

Print Centroids

Print TV Contour Table

Comp:   PrintText:



**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  $(P_v/10+P_h)$  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