TV6 Calculation for Temecula, CA

TV6 Call sign: KSFV-C

Fcc Search

33.7 dBu

City: Los Angeles

State: CA

COR AMSL (m): 2277

HAAT(m): 1486

Latitude: 341246

Longitude: 1180342

TV ERP (kW): 0.300

FM Horizontal ERP: 0.001

Outside City Of 50k

47 | 47 | 1

TV

FM

Plot Scale: 200

DLG

AJPI

Hide Zeros

TIGER

Plot All Centroids

Plot Inside Centroid Counts

Plot All Centroid Counts

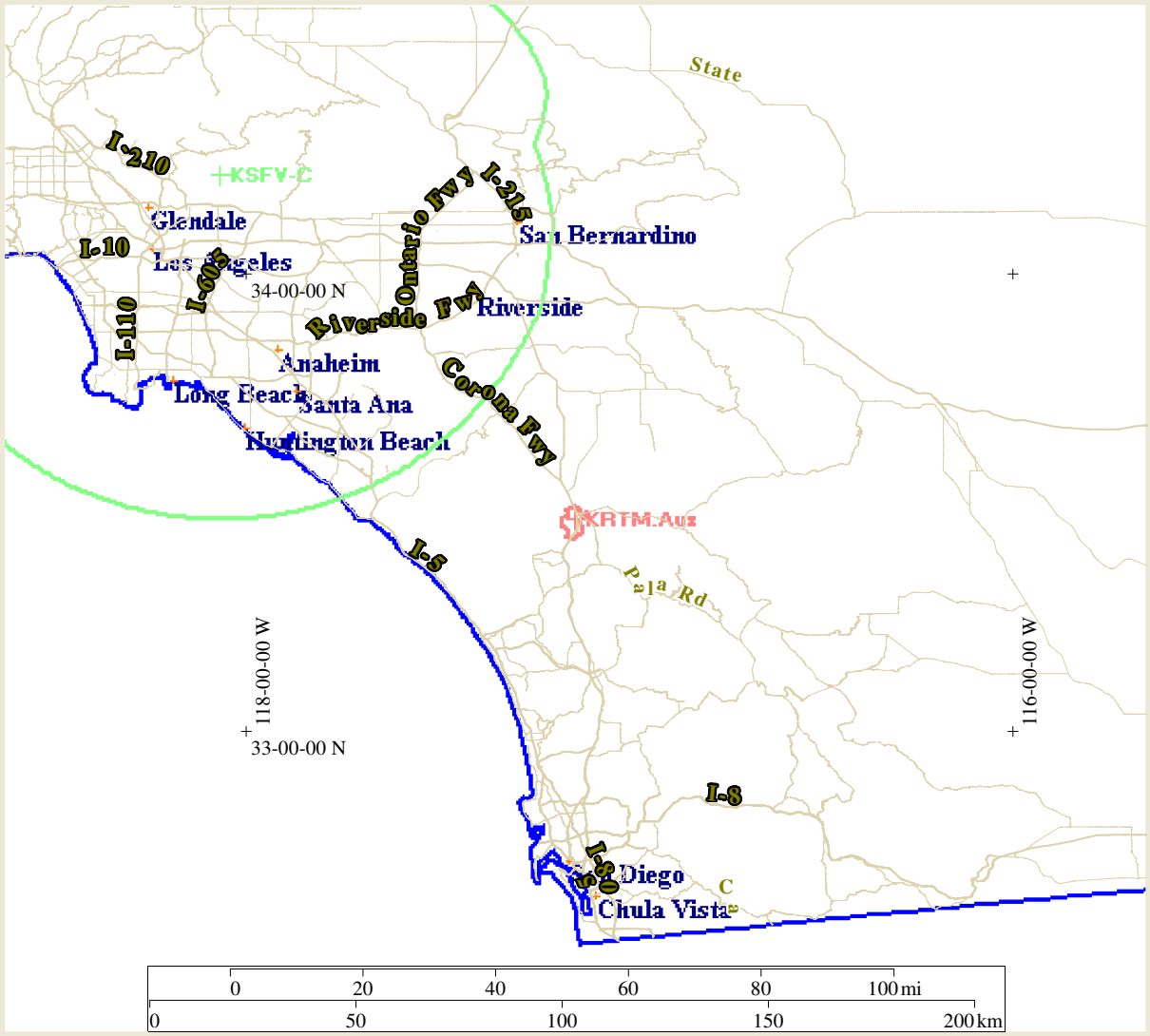
Plot Contours

Print All Centroids to -3 dBu

Print Centroids

Print TV Contour Table

Comp | Copy F | Copy I | PrintText | Print Form

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Channel Six TV Protection Study

KSFV-C  06   0.300kW ERP   2277.0M COR AMSL   1486.0M HAAT   Lat. 341246   Lon. 1180342
KRTM.A 205   0.001kW ERP    514.0M COR AMSL    138.0M HAAT   Lat. 332759   Lon. 1170829

Distance from TV to FM 118.7833km   Azi 314.2degr   Rev Azi 134.2 degr
Cutoff radius for channel 205 is 225 km

The FM horizontal polarization component is     0.001 kW,
 and the area of just perceptible interference does not intersect a city of 50k,
 so the effective ERP is (Pv/40+Ph) 0.0010kW

The TV6 signal strength at the FM transmit site is 33.716 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                12.1             59.0          65.0

                                                Population in affected area      0
2000 Block Centroids used
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