

TV6 Calculation for Temecula, CA

TV6 Call sign
KSFV-L

Fcc Search
28.7 dBu

City
San Fernando Valley

State
CA

COR AMSL (m)
2277

HAAT(m)
1486

Latitude
341246

Longitude
1180342

+

TV ERP (kW)
0.499

FM Horizontal ERP
0.270

☒ Outside City Of 50k

TV

FM

47

47

1

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

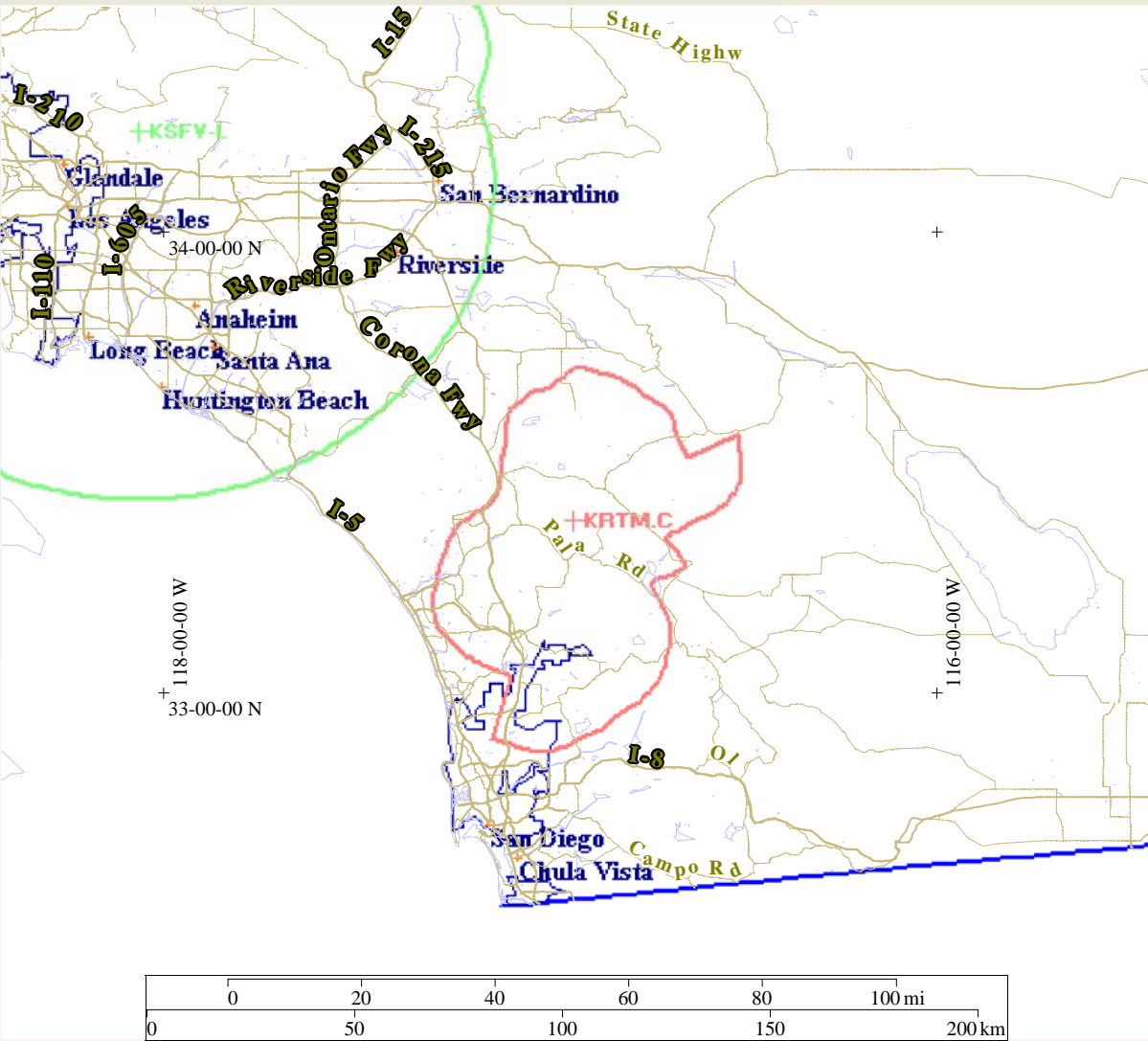
☒ Print TV Contour Table

Comp

Copy F
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PrintText

Print Form



Channel Six TV Protection Study

KSFV-L	06	0.499kW ERP	2277.0M COR AMSL	1486.0M HAAT	Lat. 341246	Lon. 1180342
KRTM.C	205	0.270kW ERP	1757.0M COR AMSL	932.0M HAAT	Lat. 332209	Lon. 1165604

Distance from TV to FM 140.1908km Azi 311.9degr Rev Azi 131.9 degr
Cutoff radius for channel 205 is 225 km

The FM horizontal polarization component is 0.270 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is $(P_w/40+P_h)$ 0.2768kW

The TV6 signal strength at the FM transmit site is 28.748 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