

TV6 Calculation for Temecula, CA

TV6 Call sign
K06MB

Fcc Search
48.8 dBu

City
Indio

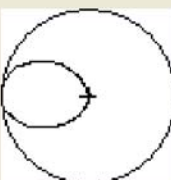
State
CA

COR AMSL (m)
908

HAAT(m)
538

Latitude
334807

Longitude
1161331

TV ERP (kW)
3.000

FM Horizontal ERP
0.270

☒ Outside City Of 50k

47

67

5

TV

FM

Plot Scale
300

☒ 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

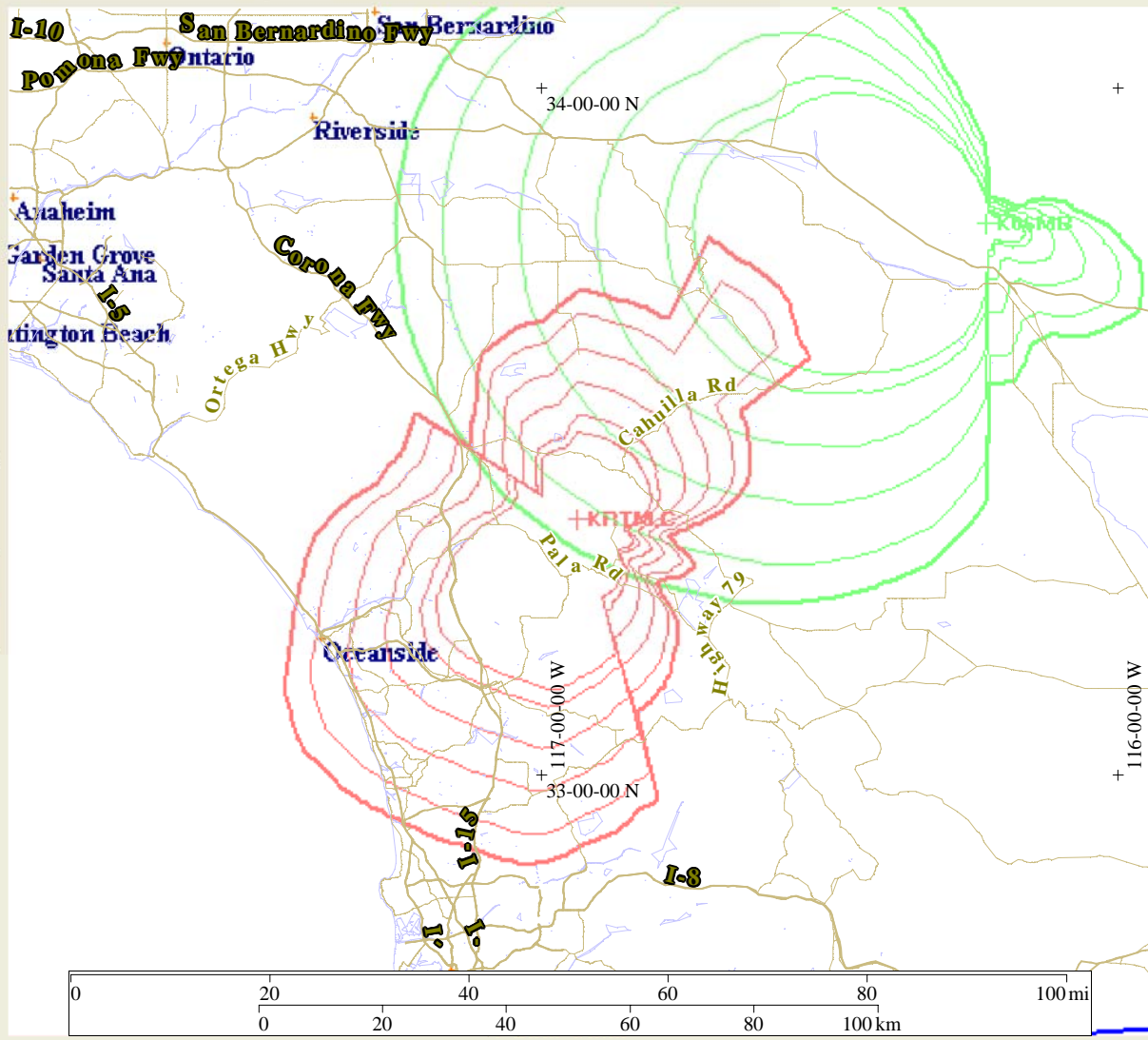
☒ Print TV Contour Table

Comp

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PrintText

Print Form



K06MB	06	3.000kW ERP	908.0M COR AMSL	538.0M HAAT	Lat. 334807	Lon. 1161331
KRTM.C	205	0.270kW ERP	1757.0M COR AMSL	932.0M HAAT	Lat. 332209	Lon. 1165604

Distance from TV to FM 81.4748km Azi 53.9degr Rev Azi 233.9 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 (Pv/40+Ph) 0.2768kW

The TV6 signal strength at the FM transmit site is 48.802 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
50	10.8	60.8	66.8
55	8.5	63.5	69.5
60	6.4	66.4	72.4
65	4.5	69.5	75.5
67	3.8	70.8	76.8

Population in affected area 0

2000 Block Centroids used