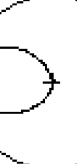
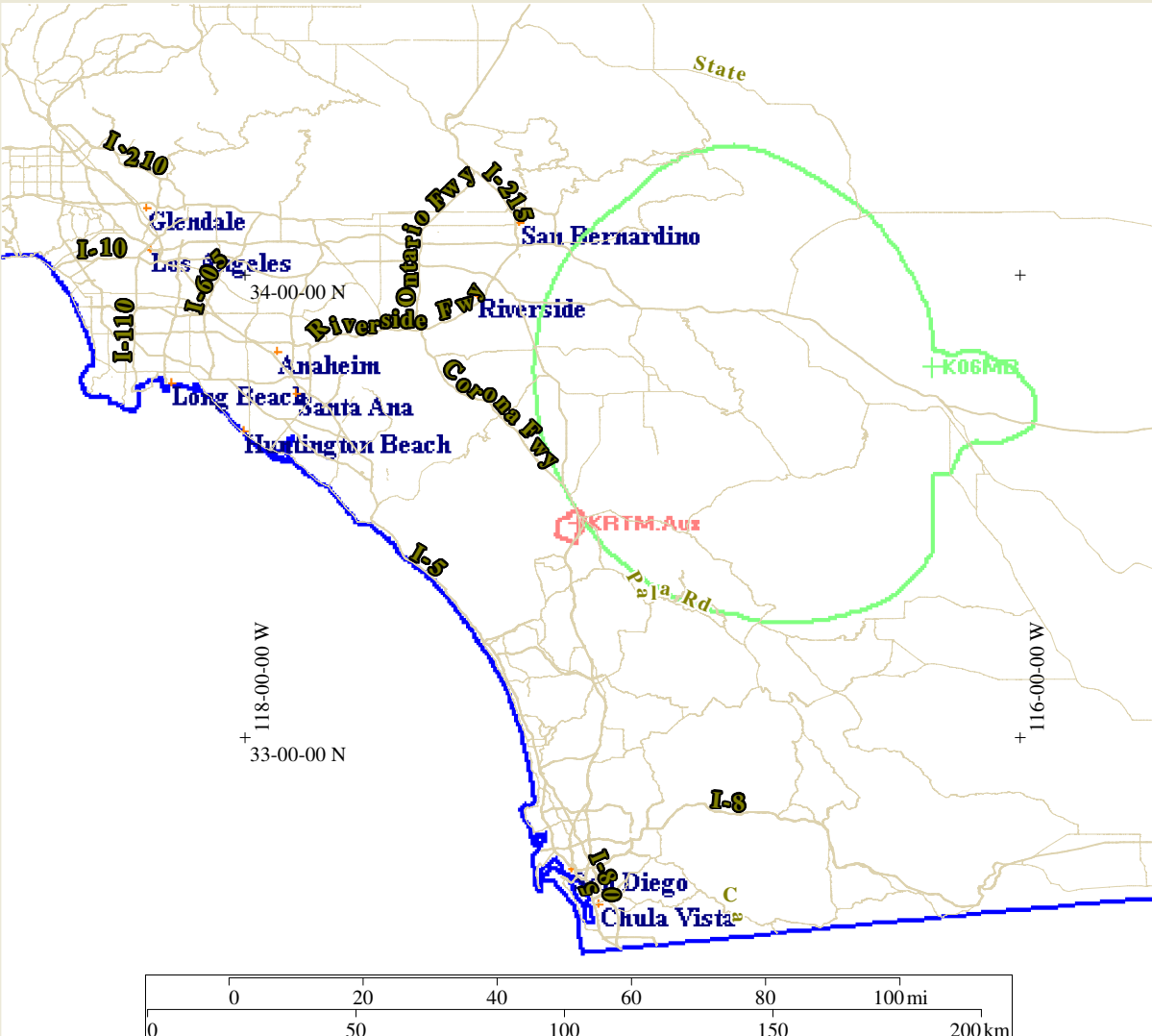


## TV6 Calculation for Temecula, CA

TV6 Call sign		Fcc Search	
K06MB		46.3 dBu	
City		State	
Indio		CA	
COR AMSL (m)		HAAT(m)	
908		538	
Latitude		Longitude	
334807		1161331	
		TV ERP (kW)	
		3.000	
		FM Horizontal ERP	
		0.001	
<input checked="" type="checkbox"/> Outside City Of 50k			
47	47	1	<div>TV</div> <div>FM</div>
Plot Scale			
200	<input checked="" type="checkbox"/> DLG	<input type="checkbox"/> AJPI	
<input checked="" type="checkbox"/> Hide Zeros	<input checked="" type="checkbox"/> TIGER		
<input type="checkbox"/> Plot All Centroids			
<input type="checkbox"/> Plot Inside Centroid Counts			
<input type="checkbox"/> Plot All Centroid Counts			
<input checked="" type="checkbox"/> Plot Contours			
<input type="checkbox"/> Print All Centroids to -3 dBu			
<input type="checkbox"/> Print Centroids			
<input checked="" type="checkbox"/> Print TV Contour Table			
Comp	Copy F	PrintText	Print Form



## Channel Six TV Protection Study

K06MB	06	3.000kW	ERP	908.0M	COR	AMSL	538.0M	HAAT	Lat.	334807	Lon.	1161331
KRTM.A	205	0.001kW	ERP	514.0M	COR	AMSL	138.0M	HAAT	Lat.	332759	Lon.	1170829

Distance from TV to FM 92.7884km    Azi 66.4degr    Rev Azi 246.4 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  $(P_v/40+P_h)$  0.0010kW

The TV6 signal strength at the FM transmit site is 46.251 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
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2000 Block Centroids used