

TV6 Calculation for Freeman, MO

TV6 Call sign
KMOSTV

Fcc Search
40.4 dBu

City
Sedalia

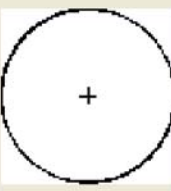
State
MO

COR AMSL (m)
861

HAAT(m)
602

Latitude
383736

Longitude
925203

TV ERP (kW)
100.000

FM Horizontal ERP
1

☒ Outside City Of 50k

47

47

1

TV

FM

Plot Scale
900

☒ DLG ☐ AJPI

☒ Hide Zeros

☒ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

☒ Plot Contours

☐ Print All Centroids to -3 dBu

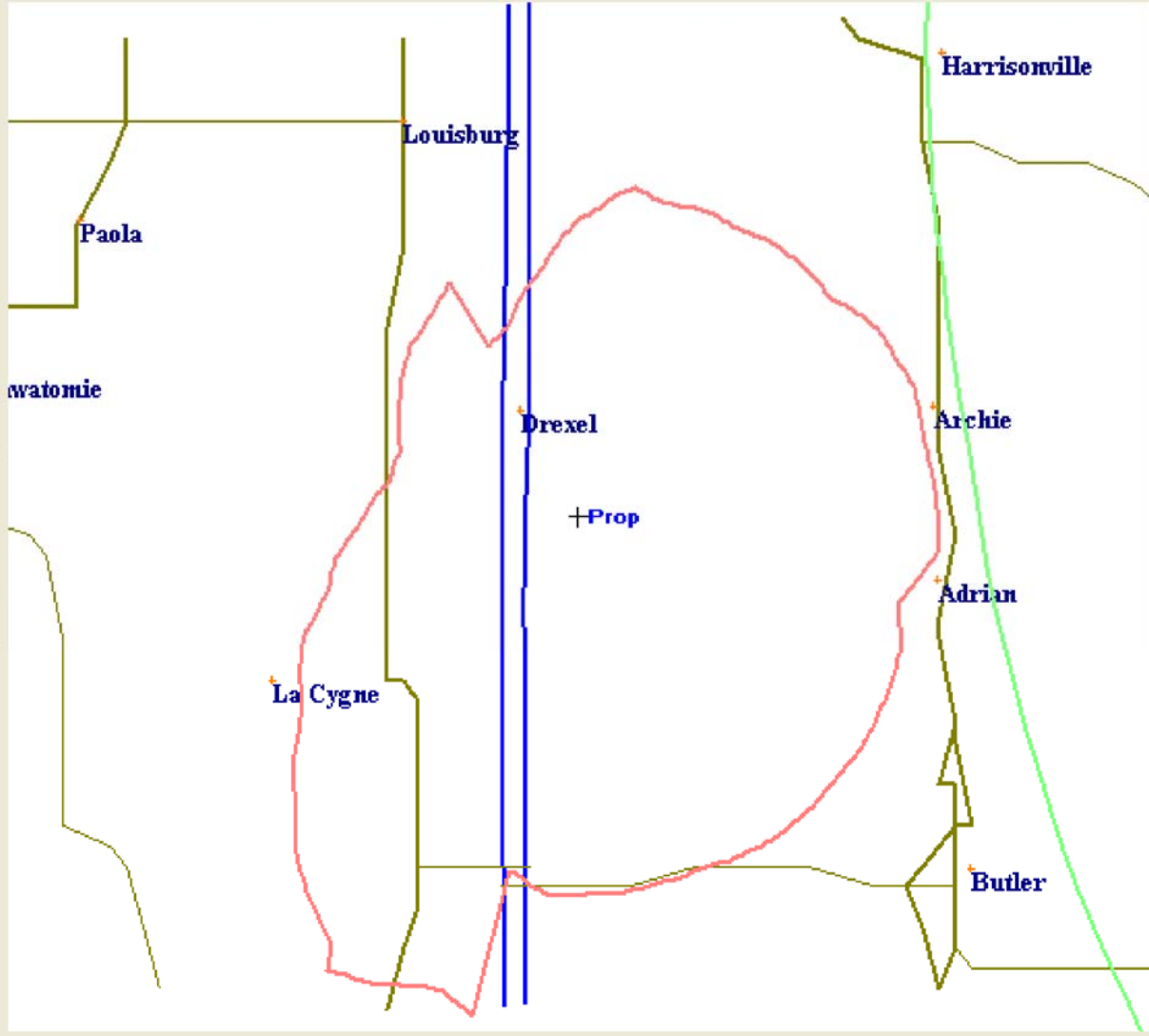
☐ Print Centroids

☒ Print TV Contour Table

Comp

Copv F
Copv I

PrintTextPrint Form



Channel Six TV Protection Study						
KMOSTV	06	100.000kW ERP	861.0M COR AMSL	602.0M HAAT	Lat. 383736	Lon. 925203
Prop	205	13.522kW ERP	427.0M COR AMSL	141.9M HAAT	Lat. 382545	Lon. 943419
Distance from TV to FM 150.2380km Azi 81.6degr Rev Azi 261.6 degr						
Cutoff radius for channel 205 is 225 km						
The FM horizontal polarization component is 1.000 kW,						
and the area of just perceptible interference does not intersect a city of 50k,						
so the effective ERP is (Pw/40+Ph) 1.3381kW						
The TV6 signal strength at the FM transmit site is 40.4 dBu						
This strength is outside the 68 dBu Grade A contour,						
allowing a 6 dB bonus to be applied to the allowable FM signal						
to F centroids (centroids in the angles between the FM station and the TV station)						
TV Contour	Undesired/Desired Ratio	Total	Directional Total			
47	12.0	59.0	65.0			
Population in affected area						0