

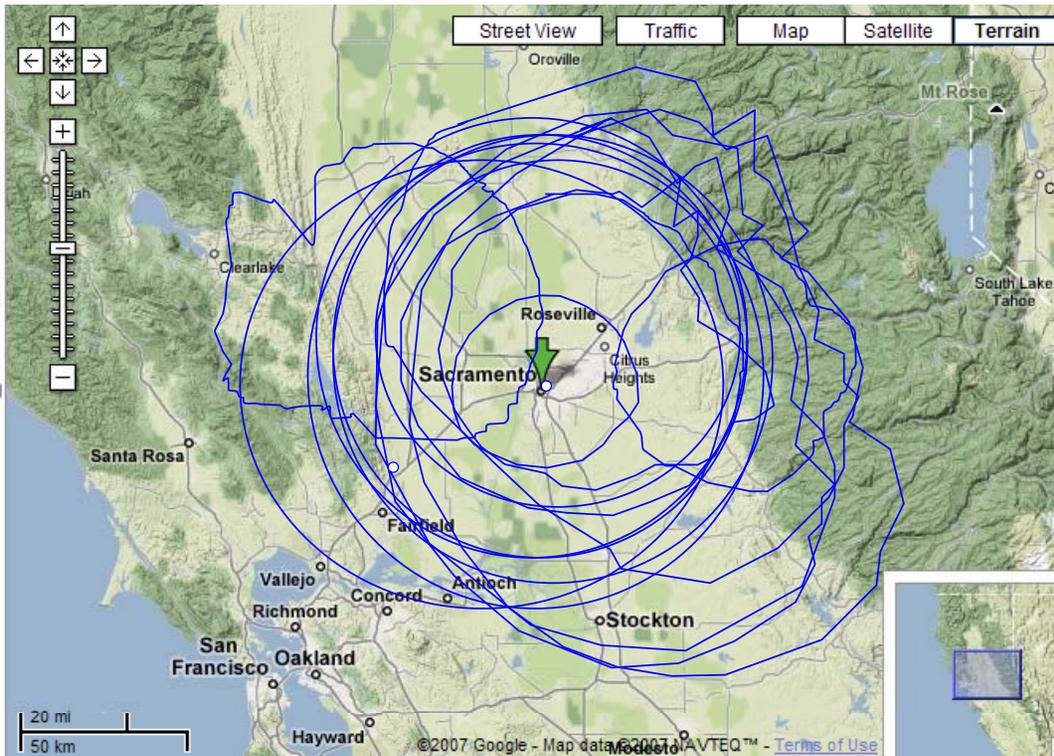
RDS-PCT Technology Demonstration

Karen Herter, Ph.D.

Heschong Mahone Group

June 19, 2008

RDS Technology Evaluation



Local Signal Coverage for RDS Stations in Sacramento

Study:

40 test sites for RDS reception from the 17 (of 39) Sacramento FM stations that broadcast RDS

Results:

Achieved 95% probability of reception at all sites with either:

- 55 repeats on KXJZ, 90.9 FM (takes ~4 minutes)

-or-

- 5 repeats on both 90.9 FM and 100.5 FM (takes ~20 seconds)



PCT Technology Evaluation



Residential Control Systems PCT

Study:

Test basic functionality of prototype PCT from Residential Control Systems (Rancho Cordova)

Result:

PCTs receive and respond to price and temperature control events within seconds of sending the signal

For more information



Read the PIER final project report, due July 2008:

TECHNOLOGY EVALUATION OF PROGRAMMABLE
COMMUNICATING THERMOSTATS WITH RADIO
BROADCAST DATA SYSTEM COMMUNICATIONS

-OR-

Contact Karen Herter at:

Karen.Herter@h-m-g.com
(916) 962-7001 x32

DRRC
Demand Response Research Center

