



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Aaron G. See	Project Number 29891
Project Title What Type of Antenna Works the Best?	
Abstract Objectives/Goals To find which type of DTV antenna works the best. Methods/Materials Compound bowtie antenna, Telephone wire antenna, Loop antenna, Single bowtie antenna, Can antenna, Analog TV, DTV converter box, Coaxial cable, Twin lead cable Results The loop antenna is the best; the compound bowtie came in second; the bowtie antenna is third; the telephone wire antenna came in fourth, and the can antenna came in last. Conclusions/Discussion The loop antenna was the best and the compound bowtie antenna was the second best. Both of these antennas were made with multiple receivers. There is also a variable that is introduced because of the direction of the antenna and the environment of the testing area.	
Summary Statement My project focuses on testing what type of antenna will get the best DTV signal reception.	
Help Received	