



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Aaron G. See	Project Number J0922
Project Title What Type of Antenna Works the Best?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals To find which type of DTV antenna works the best.</p> <p>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</p> <p>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.</p> <p>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.</p>	
Summary Statement My project focuses on testing what type of antenna will get the best DTV signal reception.	
Help Received	