

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s)	Project Number
Josselyn Alvarez	20002
	S0902
Project Title	
Watts All This Talk about Radiation?	
Abstract	
Objectives/Goals The goal of this project was to determine the amount of radiation a cell phone gives off and if the distance	
away from the cell phone affects the amount of radiation given off.	
Methods/Materials In this project, the researcher used a Digital Microwave Oven Leakage Meter	to measure the amount of
radiation released in mW/cm ² , a ruler to measure the distance away from the phones, and ten different	
brands of cell phones. First, the cell phone was placed on a table. The DMOLM was placed at a distance of 5 cm, then 10 cm, then 15 cm respectively away from the cellphone. Then, a phone call was made	
using another phone to the experimental phone. The amount of radiation was read as registered in the	
DMOLM. The phone was turned 180 degrees, then took the reading and recorded it. The same procedure was done with nine (9) other phones, three trials (both front and back) for each phone.	
Results	
The study proved that the bigger the distance between the phone and DMOLM, the less radiation was recorded.	
Conclusions/Discussion The Semannes SIV are of the most commonly used phones gives off the most rediction at three different	
The Samsung SIV, one of the most commonly used phones, gives off the most radiation at three different distances.	
Summary Statement	
Measuring cell phone radiation emission.	
Help Received	