Building and testing a monopole antenna

1. Design

* Operating frequency = 1990 MHz -> λ = c/f = 15.08 cm
* Rectangular ground: copper plate l= λ/2, size = 7.54x7.54
* Antenna: coaxial cable, l = λ/4 = 3.77 cm

1. Procedure

* Drill a hole in the center of the plate
* Trim the cable to reveal its outer conductor
* Push the cable through so the outer conductor flush the hole
* Solder cable and ground

Source of instruction: [10 Ways to Design a Simple Antenna - wikiHow](https://www.wikihow.com/Design-a-Simple-Antenna)