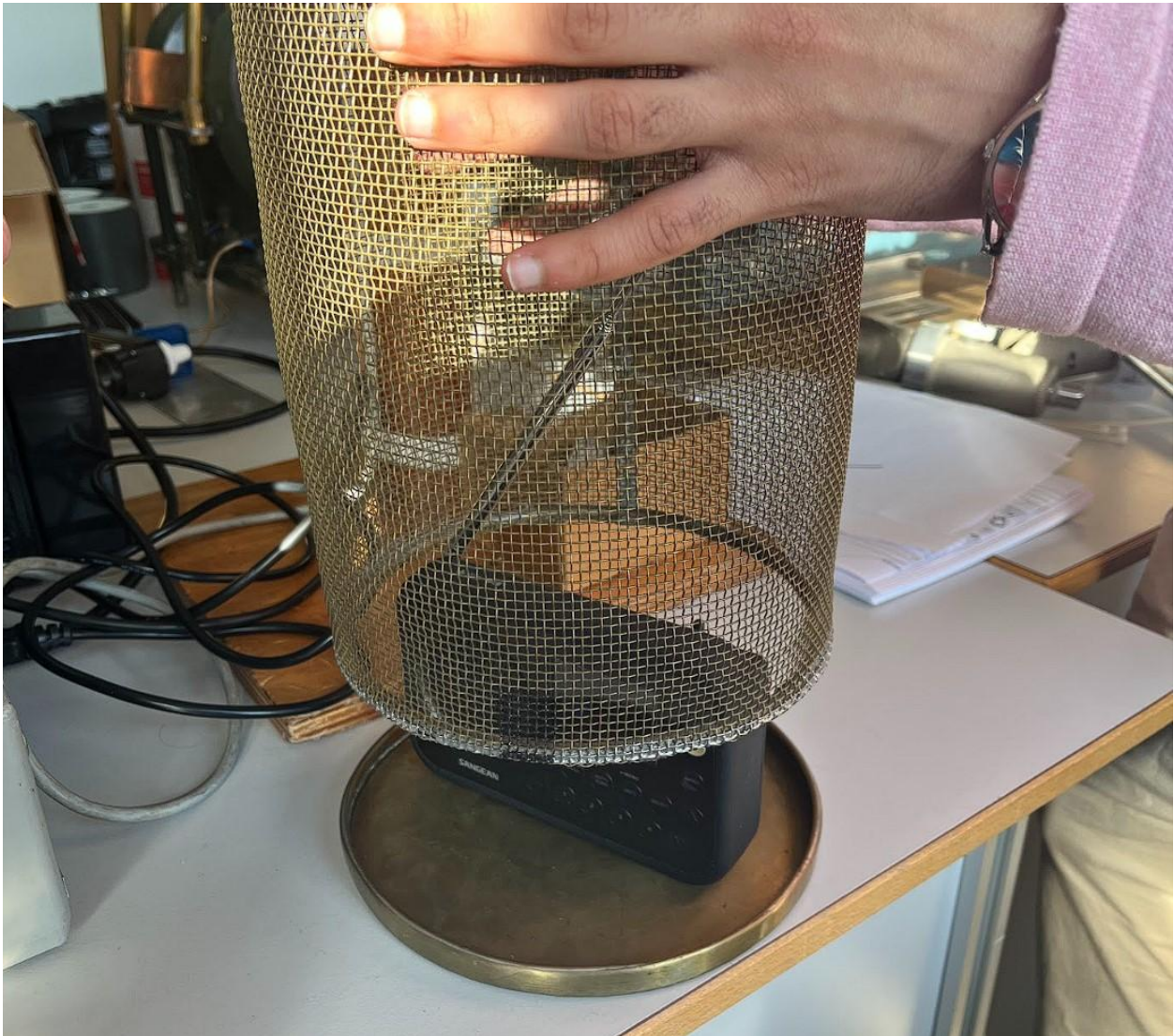


5B20.35 - RADIO INSIDE FARADAY'S CAGE

Key words: electricity, magnetism, radio, faraday's cage, waves

Equipment List:

1. Faraday's cage,
2. radio,

How to assemble and operate:

- Turn on the radio and put it inside Faraday's cage. Observe how the radio loses signal when enclosed in the cage but gains it back after the Faraday's cage is removed.

Description/Theory:

This demonstration showcases that Faraday's cage can block external static and non-static electric fields. It illustrates that electromagnetic waves, which include radio waves, cannot penetrate the cage. This demonstration provides a clear, visual example of how Faraday cages work, making abstract concepts like electromagnetic shielding more tangible and understandable.

Comments/Notes: