

Abstract

The problem considered in this master's thesis is to study and choose the optimal method of protecting the human body from the effects of high-frequency electromagnetic fields. In the dissertation, the practice of a microwave oven and a base station related to the microwave range with a special measuring instrument P3-33 was carried out. In the course of the study of the microwave oven, a comparative study of 4 furnaces was conducted on the example. The MATLAB program provides an example of the microwave range.