

Annotation

In this graduation project, we study the radiofrequency systems for guarding the perimeter of buildings. Explaining the advantages and disadvantages of radiofrequency systems. We justify the advantage of the radio protective system for guarding the perimeter over other systems. We consider an infectious diseases hospital as a protected object, and we designed eight radio setter receivers and transmitters around the perimeter Radium-2 systems. Calculated the coverage area of the electromagnetic field between the receiver and the transmitter. Cost-effective the project due to labor saving, calculated the payback period of the project. Lighting was also calculated by the point method and the coefficient method.