

Annotation

In the graduation project for the development of a training working model of a laser microphone designed for remote acoustic monitoring, considering the possibilities of improving the efficiency of devices.

A scheme of a laser system using a phototransistor with an extended frequency spectrum was realized. The receiver cascades are calculated - a preamplifier, an end amplifier and a level meter of the received signal.

The economic justification of costs for the development of a laser microphone is given. As a safety assurance of life activity, it is proposed to reduce the effect of laser radiation on humans.