WIRELESS ENVIRONMENTAL MONITORING SYSTEM

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ABSTRACT

This paper presents a design of a wireless environment monitoring system which consists of a transmitter, receiver and graphical user interface (GUI) program as a monitoring display. This real-time monitoring system is developed to monitor the voltage, temperature and relative humidity of a room. It is suitable to be implemented for a server room or any electronic laboratory device room where a good physical and environmental condition is required. The transmitter can be placed remotely about a maximum of 50 meters away from the receiver. The frequency used is 433MHz. This system provides efficient data measurement of the environmental condition where the user can easily monitor remotely all the related information.

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