

PERFORMANCE ANALYSIS OF RF MODEL OF WIRELESS SENSOR NETWORKS

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ABSTRACT

This paper describes the modeling of a micro sensor node for wireless sensor network. This model allows studying the impact of hardware and software choices into the node autonomy. This model is used to evaluate the best configuration of a sensor node according to the application specifications and eventually to underline the need to design a specific element for the target application. We are presenting the model of micro sensor node and energy model in order to verify the various aspects of minimizing the energy consumption of sensor nodes according to application. We evaluated MAC and routing protocol in terms of all energy parameter.

KEYWORDS: Energy Model, Micro Sensor Node, Power Constraint, Wireless