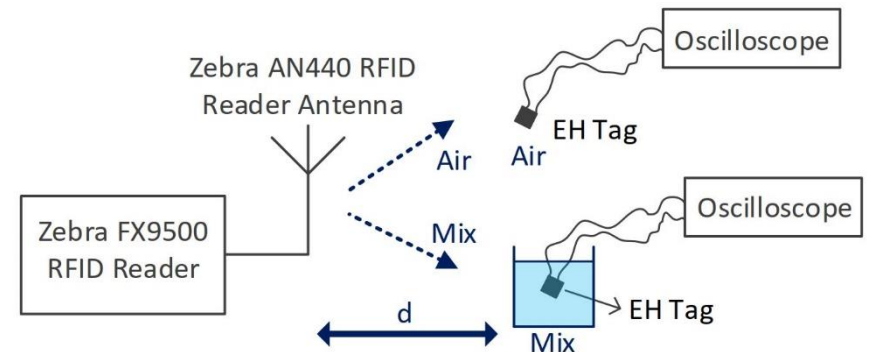
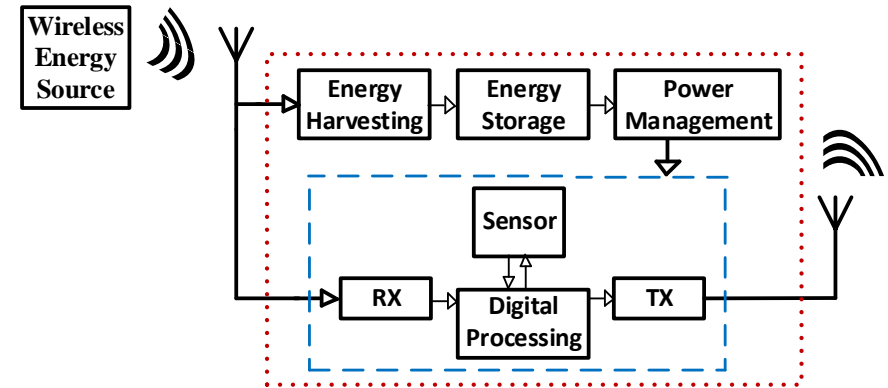


Wireless Energy Harvesting Systems in mmw Frequencies

The advances in Internet of Things (IoT) enabled more and more devices to be connected to the clouds for effective remote control over multiple devices. Expansion in the application areas of IoT also raises the question of sustainability of massive sensor usage and their power management in terms of economic and environmental aspects. Radio frequency (RF)-powered devices attract great attention for the development of wireless sensor networks since they do not need any battery replacement or maintenance over the long run.

The primary function of RF energy harvesters is to convert the received RF energy into DC voltage and store it across a capacitor for further use. This also makes RF energy harvesters especially attractive for wireless body area network (WBAN) and implant communications.

This seminar focuses on RF energy harvesting in millimeter wave (mmw) frequencies and ideas for improvement through a detailed literature review.



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