

# Abstracts

## Theory and implementation of wireless transponders

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*D. Enguang. "Theory and implementation of wireless transponders." 2001 Transactions on Microwave Theory and Techniques 49.4 (Apr. 2001, Part II [T-MTT] (Special Issue on Microwave Acoustic Wave Devices for Wireless Communications and Sensing)): 823-826.*

A theoretical analysis for the surface-acoustic-wave-based wireless transponder in a wireless system has been proposed in this paper. Radio transponders were also implemented based upon the theory of coupling of modes. The proposed theory can be employed in the simulation of amplitude- and phase-coded devices with different segments,.

 [Return to main document.](#)