

Abstracts

Cooperative Signal Processing Beacon Transponder for Airport Traffic Control

A.K. Gorwara. "Cooperative Signal Processing Beacon Transponder for Airport Traffic Control." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 331-333.

In recent years there has been an interest in physically small, low-cost, low-energy consuming electronic markers for air traffic control on the ground. In this paper a solid state 14.5 GHz low-cost beacon transponder is investigated that provides a target-like signal for a maximum range of 5 miles in various weather conditions when illuminated by an existing 14.5 GHz surface detection radar developed by Texas Instruments (TI), Dallas, Texas.

 [Return to main document.](#)