

Abstracts

Short-Range Two-Dimension Positioning by Microwave Cellular Telemetry

A. Benlarbi-Delai, D. Matton and Y. Leroy. "Short-Range Two-Dimension Positioning by Microwave Cellular Telemetry." 1994 *Transactions on Microwave Theory and Techniques* 42.11 (Nov. 1994 [T-MTT]): 2056-2062.

As part of the development of short-range sensors using microwaves, we present a process called "cellular telemetry" devoted to the positioning of a point-source in a predefined area. We report the principle of the process and the first experimental results obtained with a system working at 10 GHz, able to position a source in an area of about one square meter with an accuracy of approximately one centimeter.

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