

Abstracts

Dual-Mode Microwave System to Enhance Early Detection of Cancer

K.L. Carr, A.M. El-Mahdi and J. Shaeffer. "Dual-Mode Microwave System to Enhance Early Detection of Cancer." 1981 Transactions on Microwave Theory and Techniques 29.3 (Mar. 1981 [T-MTT]): 256-260.

A dual-mode microwave system has been developed that will permit early detection of cancer. The system combines the use of the passive microwave radiometer with an active transmitter. The active transmitter will provide localized heating to enhance early detection by taking advantage of the differential heating (i.e., tumor temperature with respect to surrounding tissue) associated with thermal characteristics of tumors.

[Return to main document.](#)