Abstracts

An attempt of high-speed imaging of the chirp radar-type microwave computed tomography

M. Miyakawa and T. Hayashi. "An attempt of high-speed imaging of the chirp radar-type microwave computed tomography." 1997 MTT-S International Microwave Symposium Digest 1. (1997 Vol. I [MWSYM]): 115-118.

Methods for high speed imaging of the chirp radar-type microwave computed tomography have been investigated to show the feasibility of biological imaging. Electronic scan of the array antennas is a major scheme to reduce the data acquisition time. However, quick sweep of the chirp pulse microwave signal and data acquisition in time domain are also useful for the purpose. By adopting those techniques, data acquisition time of the chirp radar-type microwave computed tomography can be reduced to approximately one fortieth of the prototype system.

❑ Return to main document.