

Abstracts

A Three-Band Microwave Radiometer System for Noninvasive Measurement of the Temperature at Various Depths

S. Mizushina, Y. Hamamura and T. Sugiura. "A Three-Band Microwave Radiometer System for Noninvasive Measurement of the Temperature at Various Depths." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 759-762.

An experimental three-band (1.5,2.5,3.5±0.5GHz) radiometer system and a data analysis procedure have been developed for noninvasive measurement of the temperature at various depths in a biological body. Using them, we made temperature measurement experiments on the abdominal region of rabbits. The results of the experiments demonstrate the feasibility of the multifrequency radiometry for this purpose.

 [Return to main document.](#)