

# Abstracts

## An Airborne Remote Sensing 4.5 to 7.2 Gigahertz Stepped Frequency Microwave Radiometer

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*R.F. Harrington, R.H. Couch and J.C. Fedors. "An Airborne Remote Sensing 4.5 to 7.2 Gigahertz Stepped Frequency Microwave Radiometer." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 543-544.*

A microwave stepped frequency radiometer operating from 4.5 to 7.2 gigahertz has been designed, fabricated and flight tested in an airborne remote sensing mission by NASA Langley Research Center. This paper describes the design of this precision microwave Dicke-switched noise feedback radiometer, calibration techniques and presents typical results from remote sensing mission employing this radiometer.

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