

Abstracts

A Four Band Millimeter Wave Radiometer Design for Atmospheric Remote Sensing

F.E. Goodwin, M.S. Hersman and J.C. Shiue. "A Four Band Millimeter Wave Radiometer Design for Atmospheric Remote Sensing." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 245-247.

The design of a four band temperature and humidity sounding radiometer has been completed under contract with NASA Goddard Space Flight Center (GSFC). Quasi-optical techniques for band separation and balanced mixer realization were developed and an analysis of reference averaging in the presence of gain fluctuations was conducted.

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