

Abstracts

A Broad-Band Low-Noise 205 GHz Radiometer for a Satellite Receiver

M.A. Frerking, J.C. Hardy and W.J. Wilson. "A Broad-Band Low-Noise 205 GHz Radiometer for a Satellite Receiver." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 110-112.

A low-noise room temperature 205 GHz heterodyne radiometer has been designed and built for the Upper Atmosphere Research Satellite Microwave Limb Sounder instrument. The radiometer design features a low loss quasi-optical broad-band signal/LO coupler, a solid state local oscillator and a single-ended fundamental mixer.

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