

Abstracts

Highly Sensitive Measurements with a Lens-Focussed Reflectometer (1991 Vol. III [MWSYM])

D.R. Gagnon. "Highly Sensitive Measurements with a Lens-Focussed Reflectometer (1991 Vol. III [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1017-1018.

A lens-focussed microwave reflectometer is described which offers exceptional sensitivity and very wide bandwidth. The system produces a well confined spot focus and, with the prescribed calibration procedure, gives effective directivity approaching 70 dB. Precision of ± 1 dB is demonstrated for measurements, in X-band, at the -50 dB level.

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