

Abstracts

High Power Microwave Impedance Measurements System Suitable for In-Situ Thermo-Dielectric Material Characterisation

M. Caron, C. Akyel and F.M. Ghannouchi. "High Power Microwave Impedance Measurements System Suitable for In-Situ Thermo-Dielectric Material Characterisation." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. 1 [MWSYM]): 433-436.

A novel family of six-port reflectometers, designed in hybrid stripline-waveguide technology, is proposed for high power applications. In principle, there is no limitation in the input power level and the design can be adapted for any waveguide frequency band. A prototype was designed for the operational frequency of 2.45 GHz and measurements were made at power level up to 200 w.

[Return to main document.](#)