

Set-Up for Measuring Changes in the Average Size of Wooden Chips by Microwave Scattering

A.P. Toropainen. "Set-Up for Measuring Changes in the Average Size of Wooden Chips by Microwave Scattering." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1057-1060.

A set-up for measuring the average volume of wooden chips for particle board manufacturing is presented. The measurement is based on a dual-polarization forward scattering measurement combined with the free-space measurement of phase and attenuation. Laboratory measurements of the ratio of the average volumes of chips with different size distributions and permittivities are presented.

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