

Abstracts

Anisotropic Measurements of Rubber Sheets with an X-Band Three-Wave Interferometer (Short Papers)

R. Sardos, J.-F. Escarmant and E. Saint-Christophe. "Anisotropic Measurements of Rubber Sheets with an X-Band Three-Wave Interferometer (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.3 (Mar. 1990 [T-MTT]): 330-333.

A three-wave recording interferometer has been modified in order to adapt it for the anisotropic measurements of rubber sheets containing carbon particles. Due to the modifications made, it is no longer necessary to use an anechoic chamber, and the disadvantages of antennas are eliminated, together with diffraction along the edges of samples. After a description of the experimental instrument, some of the measurement results are presented.

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