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Title *Study of the Measurement Techniques for Complex Permittivity and Permeability*

Author/s Vani R, Raveendranath U, R M Jha

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Abstract

Study of measurement techniques for the determination of the complex permittivity and permeability at microwave frequencies has been carried out. The techniques discussed here are based on the automatic measurements of scattering parameters using the vector network analyzer. This compilation is presented as the initial step towards the realization of an in-house measurement system for material characterization.