

MEASUREMENT OF DIELECTRIC PROPERTIES UNDER SPACE CONDITIONS

Introduction

The purpose of this symposium is to indicate the directions being taken by various investigators to meet the challenges of making meaningful measurements while test specimens are exposed to simulated space and cryogenic conditions. Since there are no established procedures for making measurements under simulated space and cryogenic conditions, the discussions will show the approaches taken by several investigators. These should provide a basis for discussion and the development of standard methods and procedures. Corollary benefits are expected to come from the development of these techniques which will advance the understanding of materials' behavior. The closely controlled environments required for this type of testing make it possible to examine the effects and products of various exposures without the complicating effects of the atmosphere.

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