Abstracts

A Broadband, Electric-Field Probe Using Resistively Tapered Dipoles, 100 kHz-18 GHz

M. Kanda and L.D. Driver. "A Broadband, Electric-Field Probe Using Resistively Tapered Dipoles, 100 kHz-18 GHz." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 621-624.

This paper discusses the theoretical, design, fabrication, evaluation, and calibration aspects of a prototype broadband electric-field probe. Its resistively tapered miniature dipole elements allow measurement of electric fields between 1 and 1600 V/m from 1 MHz to 15 GHz, with a flatness of ±2 dB and an isotropic response of ±0.3 dB.

❑ Return to main document.