Abstracts

Comparing Coax Launcher and Wafer Probe Excitation for 10mil Conductor Backed CPW with via Holes and Airbridges

M. Yu, R. Vahldieck and J. Huang. "Comparing Coax Launcher and Wafer Probe Excitation for 10mil Conductor Backed CPW with via Holes and Airbridges." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 705-708.

This paper presents an experimental comparison of coax launcher versus wafer probe excitation of 10mil conductor backed CPW. It was found that conductor backing of a CPW can cause serious moding problem when a coax launcher is used. Introducing via holes can eliminate this problem to some degree. In comparison, wafer probe excitation shows generally a better response but also here the backmetallization causes some moding problems. The transition effect from the coax launcher onto the CPW has been modeled numerically and good agreement was found with measured data.

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