

# Abstracts

## A New Real-Time Six-Port A N A Method

---

*L. Kaliouby and R.G. Bosisio. "A New Real-Time Six-Port A N A Method." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 569-571.*

A method for real-time six-port automatic network analyzer (ANA) measurements based on the use of a pre-calculated six-port chart is developed. It is shown that a swept frequency generator can be used to read the module and/or phase of the reflection coefficient (Gamma) an a computer screen at sweep rates of up to 75 Hz. The test band is determined by the six-port design, typically 9:1, the accuracy of measurement is dependent on the swept frequency interval and on the six-port circuit design.

[Return to main document.](#)