

# Abstracts

## Third Generation Automatic Microwave Measurements

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*W.R. Boley. "Third Generation Automatic Microwave Measurements." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 213-216.*

A microwave measurement system is described that is used with our third generation test equipment to achieve automatic microwave measurements of signals in the frequency range of 10 MHz to 18 GHz. This system down-converts input signals in the range of 2 GHz to 18 GHz so that through the utilization of sampling techniques and computer software automatic microwave measurements of frequency, power, spectrum analyses, and modulation are achieved. Signals from 10 MHz to 2 GHz are first up-converted and applied to the microwave circuits for down conversion.

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