

Abstracts

A Semi-Automated Sixport for Measuring Millimeter Wave Power and Complex Reflection Coefficient (1977 [MWSYM])

M.P. Weidman. "A Semi-Automated Sixport for Measuring Millimeter Wave Power and Complex Reflection Coefficient (1977 [MWSYM])." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 58-60.

A six-port system has been developed and applied to the precision measurement of power and complex reflection coefficient in WR-15 (50-75 GHz) waveguide. The system is automated except for frequency and switching control for the signal source. This system provides a time saving factor of at least five as compared to a tuned reflectometer with little if any degradation in accuracy.

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