

# Abstracts

## Waveguide Star Junction Used in Ka Band Dual Six Port Measurements

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*M. Riaziat and G. Zdasiuk. "Waveguide Star Junction Used in Ka Band Dual Six Port Measurements." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 593-594.*

An automatic dual six port network analyzer has been designed and tested over the frequency band of 26.5 to 40 GHz. The six port design utilizes a matched symmetrical five port waveguide junction. A method of matching avoiding the use of tuning screws is discussed, and an analysis of the sensitivity of six port parameters to the matching of the star junction is presented.

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