

Abstracts

Use of Microstrip Impedance- Measurement Technique in the Design of a BARITT Diplex Doppler Sensor

B.M. Armstrong, R. Brown, F. Rix and J.A.C. Stewart. "Use of Microstrip Impedance-Measurement Technique in the Design of a BARITT Diplex Doppler Sensor." 1980 Transactions on Microwave Theory and Techniques 28.12 (Dec. 1980 [T-MTT] (1980 Symposium Issue)): 1437-1442.

A computer-aided microstrip impedance-measurement technique, which yields information on microstrip-material properties, is described. The technique is used to investigate the impedance of microstrip-mounted BARITT diodes and of microstrip pad antennas. A Doppler sensor is designed, incorporating the BARITT diode into a microstrip circuit, used in diplex Doppler range-measuring radar.

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