

Abstracts

A Microwave Radio System for Pipeline Use

E. Dyke. "A Microwave Radio System for Pipeline Use." 1954 Transactions on Microwave Theory and Techniques 2.1 (Apr. 1954 [T-MTT]): 60-62.

In the Texas-Illinois pipeline installation of a microwave relay, the reliability problem was emphasized by the distribution of some 2000 vacuum tubes and associated other components over more than a thousand miles of pipeline right-of-way. The general solution to the reliability problem was threefold, including the design of inherently reliable equipment, provision of full automatic switchover to standby in case of component failure, and special test facilities for rapid isolation of any degraded component.

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