

Abstracts

The 1973 G-MTT National Lectureship

J.L. Allen. "The 1973 G-MTT National Lectureship." *1973 Transactions on Microwave Theory and Techniques* 21.12 (Dec. 1973 [T-MTT] (1973 Symposium Issue)): 752-752.

The concept of an all solid-state radar was founded upon the premise that such a radar should be inherently more reliable than conventional radars utilizing a transmitter tube and a mechanically scanned antenna. Despite the expenditure of some 50 million in system and transmit-receive module development, the fundamental premise remains unvalidated. An investigation of the fundamental physics and test procedure design that will allow confidence in the prediction of device lifetime is needed.

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