

Millimetre-Wave Insular Guide Frequency Scanned Array

N. Williams, A.W. Rudge and S.E. Gibbs. "Millimetre-Wave Insular Guide Frequency Scanned Array." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 542-544.

The paper describes the design construction and experimental evaluation of a novel frequency scanning linear array. Dielectric image-line is used to provide a compact low-loss feed network which is integrated with dielectric-rod antenna radiators to produce arrays which are well suited for applications at frequencies above 20GHz.

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