

Abstracts

Stripline Radiators

E.G. Fubini. "Stripline Radiators." 1955 Transactions on Microwave Theory and Techniques 3.2 (Mar. 1955 [T-MTT]): 149-156.

Progress on the use of strip conductors as microwave antennas indicates that the technique is flexible and economical. Broadside curtains can be fabricated with sufficient accuracy. Several types of balanced Stripline feed have been considered, and twists have been successfully built. A variety of baluns have been evaluated and used to feed colinear Franklin arrays through binary splits. Whereas in these structures the design is such as to minimize the field within the supporting dielectric, we have deliberately directed the field into the dielectric in various applications of surface waves. By etching configurations on the foil face of the dielectric, the surface index of refraction or surface reactance is controlled.

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