

Abstracts

A Microstripline Slot Antenna (Short Papers)

Y. Yoshimura. "A Microstripline Slot Antenna (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.11 (Nov. 1972 [T-MTT]): 760-762.

A microstripline slot antenna is treated experimentally at X-band frequency. First, the input impedances of the slots for various geometries and the radiation patterns for the matched slots are measured. Second, the dependence of input impedances and radiation patterns on the slot-to-reflector spacing is tested. Finally, a two-dimensional X-band Dolph-Chebyshev slot-array antenna is designed and fabricated as an application of this type of slot.

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