

Abstracts

A Strip-Loaded Feed-Horn Antenna

S. Rodrigues, P. Mohanan and K.G. Nair. "A Strip-Loaded Feed-Horn Antenna." 1991 Microwave and Guided Wave Letters 1.11 (Nov. 1991 [MGWL]): 318-319.

Design and development of a new feed-horn antenna with low sidelobe levels is reported. The E-walls of this antenna are fabricated with low-loss dielectric substrate, periodically loaded with thin conducting strips. The antenna is found to be simulating the radiation characteristics of metallic corrugated horns. This can be an ideal substitute for metallic corrugated horns with added advantages like light-weight and low production cost.

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