

Abstracts

Millimeter-Wave Dual-Band Microstrip Patch Antennas Using Multilayer GaAs Technology (Short Papers)

D. Sanchez-Hernandez, Q.H. Wang, A.A. Rezazadeh and I.D. Robertson. "Millimeter-Wave Dual-Band Microstrip Patch Antennas Using Multilayer GaAs Technology (Short Papers)." 1996 Transactions on Microwave Theory and Techniques 44.9 (Sep. 1996 [T-MTT]): 1590-1593.

This paper describes the performance and construction of several multiband integrated microstrip antennas around 35 GHz on in-house semi-insulating multilayer GaAs. The simulated and measured input impedances and radiation patterns at both the lower and upper resonant frequencies are given and some experimental results are provided to check the accuracy of the electromagnetic simulations.

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