Abstracts

Low-Cost Integrated Inverted Stripline Antennas with Solid-State Devices for Commercial Applications

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Integrated and active integrated antennas are currently increasing in popularity for many system applications. They can meet many commercial system specifications while maintaining antenna performance to produce compact, low-cost products. The inverted stripline configuration was developed to integrate with different solid-state devices like PIN, varactor and Gunn diodes (or transistor devices) for switching, tuning, modulation, amplifiction and oscillating functions in various integrated microwave components. Switching, tuning and oscillating functions have been demonstrated using two-and three-terminal devices.

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