Abstracts

Input impedance of rectangular microstrip patch antenna with iso/anisotropic substrate-superstrate

A.K. Verma. "Input impedance of rectangular microstrip patch antenna with iso/anisotropic substrate-superstrate." 2001 Microwave and Wireless Components Letters 11.11 (Nov. 2001 [MWCL]): 456-458.

The modified Wolff model (MWM), which is an improved version of the cavity model, is presented to compute the resonance frequency and input impedance of a rectangular microstrip patch antenna under the isotropic/anisotropic substrate-superstrate configuration. The model has accuracy better than 1.5% for both the resonance frequency and resonant resistance, as compared against the results of the method of moments (MOM) and experimental results.

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