

DUAL BAND FRACTAL ANTENNA

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ABSTRACT

A fractal antenna with dual band characteristics has been designed and presented in this paper. The fractal antenna is found to be resonant at 2.33 GHz and 6.58 GHz. This antenna is compact compared to conventional square antenna of same size. The antenna is realized on low cost FR4 material. The antenna has improved impedance bandwidth. The radiation patterns of this antenna at both the resonant frequencies are found to be nearly omni directional in azimuth plane at 90 degree elevation angle. The fractal antenna is useful in multiband wireless communication.

KEYWORDS: *Compact, Antenna, Fractal, Multiband, Broadband*

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