

## **Dual-frequency triangular planar inverted-F antenna**

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### **Abstract**

This paper presents the performance of a single-feed triangular planar inverted-F antenna with a V-shaped slot. The proposed antenna not only shows a dual-frequency characteristic but also has a wide bandwidth in the higher operating frequency band. The variations of the two frequency bands of the proposed antenna with different shorting-wall widths are studied experimentally. The radiation characteristics across the entire operating bands are also measured. Good agreement is also obtained between the simulated and experimental results.

Key words : Dual-frequency;Broadband;PIFA