Abstract

In this paper, a single-layer bandstop Frequency Selective Surface (FSS) is proposed for Wireless Local Area Networks (WLAN) Applications. The unit cell of the proposed FSS consists of a modification in a square patch element by the insertion of triangular shaped slots. The designs demonstrate a wide 3.8 GHz stopband in the WLAN frequency range. Moreover, it shows angular stability at various angles of incidence up to 40º.

References


Index Terms
Computer Science Wireless

Keywords

Frequency selective surfaces, angular stability, polarization independence, WLAN.