Design of a Compact Bandstop Ulam Spiral Frequency Selective Surface

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Abstract

In this paper, a novel low-profile 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 square shaped slots to obtain the Ulam spiral. The designs demonstrate a dual stopband in the WLAN frequencies bands, with angular independence.

References


Index Terms

Computer Science    Signal Processing
Keywords

Frequency selective surfaces, angular stability, Ulam spiral, Dual-band, WLAN