

Abstract :

A full-wave analysis based on the moment method in the spectral domain is used to perform an analysis of the rectangular (quasisquare) patch antenna. The conventional rectangular patch shape excited by a coaxial cable at a point favoring the resonance of only one patch edge results in a very narrow bandwidth structure that radiates linear polarized waves. In this work, the rectangular shape replaced by a quasisquare patch excited on a point of its diagonal line is analyzed. A broadband structure radiating almost circular polarized waves is obtained