

Title (en)

Planar and non-planar double C-patch antennas having different aperture shapes

Title (de)

Ebene und nichtebene doppel-C-förmige Streifenleiterantennen mit unterschiedlichen Öffnungsformen

Title (fr)

Antennes planes et non-planes à microbande en forme de "double C" ayant différentes formes d'ouvertures

Publication

EP 0749176 A1 19961218 (EN)

Application

EP 96304428 A 19960613

Priority

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Abstract (en)

A shorted, dual C-patch antenna includes a truncated ground plane, a layer of dielectric material having a first surface overlying the ground plane and an opposing second surface, and an electrically conductive layer overlying the second opposing surface of the dielectric layer. The electrically conductive layer forms a radiating patch and has a non-rectangularly shaped aperture (e.g., parabolic, triangular, pentagonal) having a length that extends along a first edge of the electrically conductive layer and a width that extends towards an oppositely disposed second edge. The length has a value that is equal to approximately 20% to approximately 35% of a length of the first edge. The antenna may further include electrically conductive vias or feedthroughs for shorting the electrically conductive layer to the ground plane at a region adjacent to a third edge of the electrically conductive layer. The antenna may be curved about one or more axes. <IMAGE>

IPC 1-7

H01Q 9/04

IPC 8 full level

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Citation (search report)

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