

Title (en)

Multi-band antenna, and associated methodology, for a radio communication device

Title (de)

Multiband-Antenne und entsprechendes Verfahren für ein Funkkommunikationsgerät

Title (fr)

Antenne multibande et méthodologie associée pour dispositif de communication radio

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Application

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Priority

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Abstract (en)

[origin: EP2028718A1] An antenna, and an associated methodology, for a portable radio device, such as a mobile station capable of operation at a plurality of frequency bands spread across a wide range of frequencies. The antenna includes a dielectric substrate and a monopole disposed about the substrate. The monopole includes a first end having a feed point connection and is folded in a serpentine manner about at least three planar surfaces of the substrate. A first patch element improves matching at a first frequency band, extends from the monopole. A second patch element improves matching at a second frequency band, extends from the monopole and is proximate to the feed point connection. A third patch element improves matching at a third frequency band, extends from a second end of the monopole, opposed to the feed point connection.

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