

COMPACT ANTENNAS FOR ULTRA-WIDEBAND APPLICATIONS**Abstract**

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The antenna (100) has a radiating element (104) for transmitting and receiving signals. The radiating element (104) comprises a first portion (110), a second portion (112) and a notch (114). The notch (114) extends from a portion of the periphery of the radiating element into the radiating element and is for substantially segregating the radiating element into the first portion (110) and the second portion (112). The radiating element (104) also has an interconnecting portion (108) for structurally interconnecting the first portion and the second portion. The interconnecting portion is formed substantially distal to the portion of the periphery of the radiating element. In addition, the antenna (100) has a first arm (116) that extends from the first portion of the radiating element for modifying the operating frequency range of the antenna.

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Fig. 1a