



Compact UWB printed monopole loaded with dielectric resonator antenna

O. M. H. Ahmed, A. R. Sebak and T. A. Denidni

Abstract:

A novel compact ultra-wideband (UWB) printed monopole loaded with a dielectric resonator (DR) antenna is proposed. The antenna consists of a microstrip fed monopole printed on a substrate with a truncated ground plane loaded with a DR. The bandwidth is enhanced by making an inner groove inside the DR and controlling the slot width of the truncated ground.

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