

A B S T R A C T

An antenna with stacked resonant structures includes:

5 - a guide line (CR, CF) for guiding electromagnetic waves formed in a conductive layer (C) lying in a plane, and

 - two resonant structures (ABC, CDE) having different resonant frequencies, the two structures being
10 formed on respective opposite sides of the plane so that both are coupled directly to the line and substantially decoupled from one another by the conductive layer (C).

 The guide line is preferably of the coplanar type and the two resonant structure are preferably of the
15 quarter-wave type. The invention applies in particular to dual-band mobile telephones.

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