

Disclosed is an antenna for use of portable wireless communication system in which the antenna is integral in its structure so as to function as a helical antenna when retracted and as a rod antenna when extracted, and a spring arranged in the helical antenna is formed of a leaf spring rolled to have a thickness of ψ 0.5 so as to expand a bandwidth, and a C-ring to be coupled to a lower interior of the spring is shaped as a circle having at side surfaces thereof a plurality of resilient plates, inserted into a supporting member and contracted so that an antenna may be resiliently fixed when extracted or retracted.