A wideband antenna system with multiple antennas and at least one parasitic element is disclosed. In an exemplary design an apparatus includes a first antenna (310) a second antenna (320) and a parasitic element (330). The first antenna (310) has a shape of an open ended loop with two ends that overlap and are separated by a gap. The second antenna (320) may also have a shape of an open ended loop with two ends that overlap and are separated by a gap. The parasitic element (330) is located between the first and second antennas. The first and second antennas (310 320) may be placed side by side on a board located at either the top end or the bottom end of a wireless device and/or formed on opposite sides (e.g. the front and back sides) of the board. The parasitic element (330) may be formed on a plane that is perpendicular to the plane on which the first and second antennas (310 320) are formed.