

ABSTRACT

[0043] An antenna system is provided in a portable electronics device having a printed circuit board assembly. The antenna system includes a first antenna and a second balanced antenna provided on the printed circuit board assembly. The first antenna is fed from a portion of the printed circuit board assembly such that a ground plane of the printed circuit board assembly serves as a counterpoise for the first antenna. The second balanced antenna has dipole ends configured and oriented to generally minimize coupling to the ground plane of the printed circuit board assembly to increase isolation between the first antenna and the second balanced antenna.