Abstract

In this paper, wide band balanced antenna with enhanced bandwidth performance that covers the 850 to 3000 MHZ of Band, covering the GSM, UMTS, Bluetooth, GPS, & Wi-Fi applications is investigated[1-4]. This antenna was designed in HFSS which have low profile, linear phase and constant radiation pattern with proper return loss and resonant on multiple frequencies. This proposed antenna was then fabricated on substrate FR-4 Epoxy with dimensions 30 x 7 x 1.6 mm, and fed with planer wide band balun to calculate and measure the results.

References

- E. Lee, P. S. Hall, and P. Gardner, "Dual band folded monopole/loop antenna for


Index Terms

Computer Science

Wireless

Keywords

Low profile balanced antenna multi band / wide band antenna VSWR radiation pattern