

Publications within the Terminal Antenna Project 2009-10-05

Journal Publications

[J1] Zhao H, Lin G. Coupling Element Based Penta-band Mobile Phone Antenna. Submitted to Microwave and Optical Technology Letters 2009.

[J2] Peter Händel, Sathyaveer Prasad, Claes Beckman. Maximum likelihood estimation of reverberation chamber direct-to-scattered ratio. Accepted for publication in Electronic Letters, 2009.

Conference publications

[C1] Hari Krishna P, Cánovas V, Ramachandran P, Beckman C. Multi-band PIFA for Combined 3G and DVB-H Terminals : A Preliminary Study. In: 2007 IEEE International Workshop on Antenna Technology: Small & Smart Antennas, Metamaterials and Applications. 2007. p. 439-442.

[C2] Prasad S, Ramachandran P, Glazunov A, Beckman C. Evaluation of the Telia Scattered Field Measurement Method for Estimation of In-Network Performance of Mobile Terminal Antennas. In: Antenna Measurement Techniques Association. Annual Meeting and Symposium, 29TH, 2007. AMTA 2007. 2007.

[C3] Prasad S, Medawar S, Händel P, Beckman C. Estimation of the Rician K-factor in Reverberation Chambers for Improved Repeatability in Terminal Antenna Measurements. In: 30th Annual Symposium of the Antenna Measurement Techniques Association (AMTA): . Boston, Mass.: AMTA-2008; 2008. p. 6-.

[C4] Prasad S, Halim H, Beckman C. Evaluation of a Near Field Scanner for TRP and Radiation Pattern Measurements of GSM Mobile Phones. In: . Berlin: EUCAP2009; 2009. p. 5-.

[C5] Ramachandran P, Bengtsson O, Beckman C. Impedance determination of terminal power amplifiers for optimal antenna matching using load-pull method. In: 2009 IEEE International Workshop on Antenna Technology: *iWAT2009* : "Small Antennas and Novel Metamaterials". Santa Monica, California; 2009.

[C6] Ramachandran P, Milosavljevic Z, Beckman C. Adaptive Matching Circuitry for Compensation of Finger Effect on Handset Antennas. In: EuCAP 2009: 3rd European Conference on Antennas and Propagation. Berlin; 2009. p. 801-804.

[C7] Ramachandran P, Milosavljevic Z, Beckman C. Adaptive Matching Circuitry for Compensation of Finger Effect on Handset Antennas. In: EuCAP 2009: 3rd European Conference on Antennas and Propagation. Berlin; 2009. p. 801-804.

Diploma works

[D1] Ardavan M. Metamaterial : A field magnitude dependent and frequency independent model. 2008.

[D2] Yousaf I. Optimization of Antenna Pair for Diversity Gain. 2008.

[D3] Khatun M. Near-Field Characterization of FM Transmitter Devices in Mobile Phone Applications. 2008.

[D4] Moradi Shahrabak S. User effect on mobile terminal antenna. 2009.

[D5] Zhao H, Lin G. A Study of Coupling Element Based Antenna Structure. 2009.

[D6] El Rashid M. Study of Multiport Antenna Systems on Terminals for WLAN : MIMO Technology. 2009.

[D7] Halim H. Evaluation of a Near Field Scanner For Active Measurements of Mobile Phones. 2009.

[D8] Javashvili O. UWB-Antennas for Wall Penetrating Radar Systems

Patent applications

[P1] Ramachandran P. Method and Arrangement for Matching an Antenna. 2008. fi WO 2008/129125 A1