

Power Profile Evaluation of Battery-Powered Mobile Applications

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ABSTRACT

Advances in semiconductor technologies and wireless communication are contributing to the rapid growth of the mobile devices market. They have a large number of applications but all of them depend on their battery lifetime. Therefore we present in this paper how power benchmarks can be used to characterize power consumption of battery-powered devices running different applications.

INDEX TERMS

- **INSPEC**

- **Controlled Indexing**

- mobile handsets , telecommunication power supplies

- **Non Controlled Indexing**

- battery-powered mobile applications , power consumption , power profile evaluation , semiconductor technologies , wireless communication