

**“Reconfigurable RF receiver studies for future wireless terminals”**, pp.123-129

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**Abstract** – In this paper RF-front-end architectures and technologies for reconfigurable mobile terminals of future mobile communication systems (4G-systems) are presented. The studies are based on favourable standard combinations as e.g. WCDMA and WLAN. RF front-end key components like low noise amplifiers, mixers, VCOs, synthesizers and baseband variable gain amplifiers are treated, particularly with regard to reconfigurable systems.