

## **PERSPECTIVES OF SAW BASED PROCESSORS IMPLEMENTATION FOR FUTURE MOBILE COMMUNICATIONS**

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To overcome various potential degradation factors of the mobile cellular air interface and to perform the maximum possible increase of the most important system parameters - the capacity gain and the spectral efficiency- the set of recently developed specific communication methods, based

on SAW technologies have been developed. Profound analysis had shown the potential abilities of the proposed advanced radio interface architecture CTDMA based on SAW components to satisfy requirements of the 3-rd generation systems UMTS/IMT2000.