

# NUMTECH SIGNALS TREATMENT



## WAKEUPRADIO & SENSE

Technology matured by



Ultra-low power signal detection device with  
ultra-low energy footprint

#Detection

#Signals

#Sensitivity

WAKE UP RADIO is low-power signal detector ( $\sim -90$  dBm) operating at breakthrough power consumption levels (up to 5 orders of magnitude higher than the state of the art), without reducing the signal's frequency, sensitivity, or duty cycle.

The invention therefore makes it possible to continuously scan the environment for low-power signal detection using a few hundred picowatts, providing real energy autonomy (a gain of at least a factor of 100).



**Partnership :** Clients or end-users

**IP :** Patent

**TRL :** 3

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