**DEMO 1B-1**

**Personal Communication Link**

### Objectives

- Wireless audio communication
  - Low delay audio coding for wideband speech
  - Highly integrated, low power wireless communication link

### Description

**Personal Communication Link** between

- Hearing Instruments as audio terminal nodes in a Wireless Body Area Network (WBAN)
- Personal Communication Hub bridging with existing Bluetooth, WiFi, 3G industry solutions

### Partners & Contact

Thales audio application using KTH’s audio coder and NXP WBAN hardware solution, performing real time communication between two terminal nodes.

Contact: rachid.elmostadi@fr.thalesgroup.com

KTH’s constrained-entropy, backward adaptive, linear-predictive audio coder with a low algorithmic delay and a low computational complexity.

Contact: bastiaan.kleijn@ee.kth.se

NXP’s low power CoolFlux DSP and highly integrated Wireless Body Area Network (WBAN) solution using Magnetic Induction (MI) radio technology.

Contact: johan.van.ginderdeuren@nxp.com