Abstract

The research work in the area of Human body area channels (HBAC) has grabbed the attention of both academia and researchers due to its numerous possible applications in the field of healthcare, medical and consumer services. Keeping in view the growing interest in the area of HBAC, this paper provides a comprehensive survey on the technology trends for air interface standards. In doing so, various HBAC link setups with different signaling techniques, antenna systems and measurements setups that have been considered in the literature have been investigated in terms of their performance metrics. Moreover, open issues and challenges have been highlighted here to obtain an efficient and robust HBAC.

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Index Terms

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Keywords
HBAC  signaling techniques  measurement setups  PHY and MAC protocols.