Abstract

This paper elucidates the research and implementation of various factors affecting video streaming over Bluetooth RFCOMM protocol. The advent of ubiquitous wireless technology makes it feasible to transmit real-time video in mobile and pervasive environments over Bluetooth. We have studied the performance of the Bluetooth RFCOMM protocol to carry the streaming video in real experimental test scenarios. Comparison is made on the basis of various dependencies such as distance, hardware/software, WLAN interference affecting the data rates of transmission and its impact is investigated. An optimised solution is proposed to mitigate the anomalies due to latency and the factors studied.

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Analysis and Optimisation of Various Transmission Issues in Video Streaming over Bluetooth

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Index Terms

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Key words

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