

Performance Evaluation of Android Location Service at the Urban Canyon

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Today smartphone is expected to play a key role in the fast growing LBS market. Many studies have been carried to develop the LBS service on the smartphone and to evaluate the service quality of the smartphone based location service. However, most of studies focused on the positioning performance not at the urban canyon where is the one of major service target area but at a general environment. We developed a mobile application to test the Android location service and to collect the positioning results. We also performed an experiment to assess and evaluate the location service quality and reliability of GPS and WPS at the dense urban area.

Keyword—LBS, GPS, WPS, Urban Canyon, Location



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