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Abstract
This paper designs and develops a DAB-TPEG road traffic message system. In this system, the road traffic information is coded according to the TPEG (Transport Protocol Expert Group) protocol and transmitted through the DAB (Digital Audio Broadcast) channel as a multi-media feature. We study on the TPEG protocol and design and carry out a DAB receiver. We also develop an application software on PC where the road traffic information can be conveyed through Philips PDE452 DAB transmitter. It has been shown that the implemented DAB receiver can receive and display the road traffic information in real time. The road map can also be transmitted through our transmitter system in Lab. The road traffic message in multi-media form is received by the implemented DAB receiver and displayed on PC through a RS-232 interface. Through these procedures, the functions of our DAB-TPEG traffic information system have been verified.
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