Development of Automotive Media System Evaluated on Compliance Test

Sang Yub Lee*, Duk Geun Park*, Jae Kyu Lee*

Software Device Research Centre, Korea Electronics Technology Institute, Republic of Korea

syublee@keti.kr, parkdk@keti.kr, jae4850@keti.kr

Abstract—**Among the variety of vehicle technology trend issues, the biggest issue is focus on automotive network system. Especially, optical network system is preferred. The aim in optical network system including vehicular environment information is that realization of media streaming service beyond the current media system. This paper is introduced the implementation of media streaming service including optical network as called MOST (Media Oriented System Transport) and realization of car audio system adapted to vehicular environment information collected from OBD (On-Board Diagnosis) via CAN (Controller Area Network). Especially on the reliability of vehicular network system, it is executed the MOST compliance test and showed the network test result**

Keyword—**In-vehicle network, MOST, OBD, automotive media system**

Sang Yub Lee was born September 8, 1979, in Seoul, Korea. He received the B.E. and M. E. degrees in electrical and electronic engineering from Yonsei University, Seoul, Korea, in 2003 and 2005 respectively. From 2005 to 2009, he was with the industrial research center of Samsung Electro-Mechanics, Suwon, Korea, where he was involved in wireless network modem. He is currently a researcher in department of software device research center, KETI, Seongnam, Korea. His research interests are in-vehicle network system and optical network system

Duk Geun Park He received the B.E degree in electrical and electronic engineering from Chonbuk University, Jeonju, Korea, in 2009 respectively. He is currently a researcher in department of software device research center, KETI, Seongnam, Korea. His research interests are in-vehicle network system and optical network system

Jae Kyu Lee. He received the B.E. and M. E. degrees in electrical and electronic engineering from Chonbuk University, Jeonju, Korea, in 2010 and 2012 respectively. He is currently a researcher in department of software device research center, KETI, Seongnam, Korea. His research interests are in-vehicle network system and optical network system