Exhibitor Introduction

Name of Company	*KATECH(Korea Automotive Technology Institute)*	Company Logo
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Contents of Exhibit	*Vehicle-Level Testing of V2X Technology in the ALSE Chamber*	
Exhibitor Introduction	*V2X service scenarios relevant to emergency braking vehicles and emergency vehicles were applied to the ALSE chamber, establishing an environment for verifying the wireless performance and electromagnetic compatibility of V2X technology installed in vehicles. Using this environment, V2X simulations enable the measurement and validation of a vehicle's V2X wireless communication performance, including factors such as data rate, transmission power, and the transmission of standard safety messages. To operate the V2X service functionality of the Host Vehicle (HV) equipped with the V2X system inside the ALSE chamber, driving scenarios with remote vehicles (RVs) were implemented using a Call Simulator and a GNSS Simulator. The driving information of the RVs, synchronized with GNSS signals, is transmitted to the HV via safety messages. Accordingly, the HV displays V2X service applications on the screen based on the driving scenario.*