



[FrD3] [Special Session] Automotive EMC

Date / Time	Oct. 26 (Fri.), 2018 / 14:30-16:50
Place	Room D (Napoli Room)
Session Chairs	Jaegon Shin (KATRI, Korea) Ki-Chai Kim (Yeungnam University, Korea)

FrD3-1

14:30-14:50

A Study on the EMI Effect of Impedance Mismatching for LVDS Single Transmission Line in Vehicle Camera System
Byeongchan Jo and Kibum Jung
E&R Co., Ltd., Korea

FrD3-2

14:50-15:10

A Development of 146 ~222 MHz Folded Dipole Antenna in an Immunity Test of Portable Transmitters on Road Vehicle Components
Hyok Lee¹, Myogeun Yang², and Jaehoon Choi³
¹KATECH, Korea, ²IVIEW, Korea, ³Hanyang University, Korea

FrD3-3

15:10-15:30

Simulation of Radiated Emissions from a Low Voltage BLDC Motor
Jongkyong Lee¹, Kibum Jung¹, and Sungjun Park²
¹E&R Co., Ltd., Korea, ²Hanon System, Korea

FrD3-4

15:30-15:50

77 GHz Automotive Radar Simulation
A. Wien, W. Simon, and R. Kress
IMST GmbH, Germany

FrD3-5

15:50-16:10

A Broadband Conical Antenna for Measuring Partial Discharge
Jong-Woo Park¹, Sung-Woo Jung², and Ki-Chai Kim¹
¹Yeungnam University, Korea, ²Gyeongbuk Research Institute of Vehicle Embedded Technology, Korea

FrD3-6

16:10-16:30

Analysis of Electromagnetic Pulse Coupling into Electronic Device Considering Wire and PCB Resonance
Sangin Kim¹, Jongwon Lee², Jin-Soo Choi², and Jong-Gwan Yook¹
¹Yonsei University, Korea, ²ADD, Korea

FrD3-7

16:30-16:50

Analysis and Design of Microwave Plasma for Ozone Generator System by Using Magnetron Tube
Kachaporn Lhathum, Supawat Kotchapradit, Thanaset Thosdeekoraphat, Samran Santalunai, and Chanchai Thongsopa
Suranaree University of Technology, Thailand