



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

<b>Session Title:</b>	<b>[WE2] [SS] EMC Test and Noise Reduction</b>
<b>Session Date:</b>	<b>December 3 (Wed.), 2025</b>
<b>Session Time:</b>	<b>15:40-17:20</b>
<b>Session Room:</b>	<b>Room E (301)</b>

<b>[WE2-1]</b>	<b>15:40-16:00</b>
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**Phase Retrieval Method Using Dual Synchronous Receivers for EMI Scanning Applications**  
Hailing Zhao (Southwest University of Science and Technology, China & Mianyang, China)

<b>[WE2-2]</b>	<b>16:00-16:20</b>
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**Electromagnetic Immunity Analysis for Wireless Communication Devices Using near-Field Noise Injection Testing**  
Naeun Kim (Kwangwoon University, Korea (South) & Electronics and Communications Engineering, Korea (South)); Eakhwan Song (Kwangwoon University, Korea (South))

<b>[WE2-3]</b>	<b>16:20-16:40</b>
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**Analysis of Inductance Reduction by Reactive Shield Coil and Methodology for Eliminating RX-Side Series Capacitor in LCC-LCC WPT Systems**  
Yujun Shin (Keimyung University, Korea (South)); Seongho Woo (Korea Advanced Institute of Science and Technology, Korea (South))

<b>[WE2-4]</b>	<b>16:40-17:00</b>
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**Sheet Impedance Dependence on Conductive Noise Suppression Performance of Composite Sheet with Carbonized Rice Husk**  
Eito Kamano (Tohoku University, Japan); Seiji Kumagai and Yusuke Abe (Akita University, Japan); Takamichi Miyazaki and Saijian Ajia (Tohoku University, Japan); Motoshi Tanaka (Akita University, Japan); Yasushi Endo and Sho Muroga (Tohoku University, Japan)

<b>[WE2-5]</b>	<b>17:00-17:20</b>
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**A Study on the Noise Source Analysis of Capacitance Differences Between Single IGBT and Module for Automotive Power Systems**  
Jaewon Rhee, Sanguk Lee, Seungmin Ha and Hongseok Kim (Korea Advanced Institute of Science and Technology, Korea (South)); Jiseong Kim (KAIST, Korea (South)); Dongil Shin, Semin Woo and Seokhyeon Son (Hyundai Motor Company, Korea (South)); Seungyoung Ahn (Korea Advanced Institute of Science and Technology, Korea (South))