



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE
DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[TB1] High Performance Power Amplifiers
Session Date:	December 4 (Thu.), 2025
Session Time:	08:30-09:50
Session Room:	Room B (Halla B)
Session Chair(s):	Hikaru Ikeda (Kyoto University, Japan) Jong-Ryul Yang (Konkuk University, Korea)

[TB1-1] 08:30-08:50

An SL MBA with Enhanced Back-off Range Using a Novel Design Method for an Optimal Load-Modulation Profile

Tatsuya Itoh and Shinichi Tanaka (Shibaura Institute of Technology, Japan)

[TB1-2] 08:50-09:10

Sigmoid-Function-Based Variable Gain Amplifier for Dual-Input Power Amplifier

Wataru Yamamoto (Mitsubishi Electric Corporation, Japan); Takuma Torii (Mitsubishi Electric, Japan); Akihito Hirai (Mitsubishi Electric Corporation, Japan)

[TB1-3] 09:10-09:30

Wideband High-Power Class EF_2 Power Amplifier Based on Multiple Series Resonance

Sangyeop Kim (Sungkyunkwan University, Korea (South)); Sunwoo Nam (Samsung Electronics Company Ltd, Korea (South)); Yoonjung Lee, Seogyun Lim and Youngoo Yang (Sungkyunkwan University, Korea (South))

[TB1-4] 09:30-09:50

A Compact 40 dBm GaN/SiC MMIC Doherty Power Amplifier at FR3 Band for 6G Applications

Hossein Zaheri and Gregor Lasser (Chalmers University of Technology, Sweden)