



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:	[FA3] [SS] Microwave Circuits and Systems
Session Date:	December 5 (Fri.), 2025
Session Time:	13:20-15:00
Session Room:	Room A (Halla A)

[FA3-1] 13:20-13:40

A K-Band CMOS Power Amplifier with Transformer-Based Matching for High Gain and Low Distortion

Min-Seok Kwon and Jong-Ryul Yang (Konkuk University, Korea (South))

[FA3-2] 13:40-14:00

A 157 GHz Direct Downconversion IQ Mixer in 130 nm BiCMOS Technology

Nils Arneth, Kai Scheller, Timur Isbilen and Sascha Breun (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany); Robert Weigel (Friedrich-Alexander Universität Erlangen-Nürnberg, Germany); Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

[FA3-3] 14:00-14:20

A Compact Tunable Meta-Filter for X/Ku Band Power Applications

Karim Kouny (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland); Romain Fleury (EPFL, Switzerland)

[FA3-4] 14:20-14:40

Array Rectenna for Wide-Angle Coverage with FOCV MPPT Algorithm

Minjae Ahn and Hyunchul Ku (Konkuk University, Korea (South))

[FA3-5] 14:40-15:00

Self Packaged Broadband RRC with Swapped Ports for Upper Mid-Band Applications

Seungkyun Roh and Byung-Wook Min (Yonsei University, Korea (South))