



APMC 2025

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

Session Title:	[WF1] mmWave Phased Array Antenna system
Session Date:	December 3 (Wed.), 2025
Session Time:	13:20-15:00
Session Room:	Room F (302)
Session Chair(s):	Takeshi Yoshida (Hiroshima University, Japan) Han Lim Lee (Chung-Ang University, Korea)

[WF1-1] 13:20-13:40

A Beam-Reconfigurable E-Band 2-Beam 8-Element Phased Array Front-End Achieving 5.7 dB NF and 10.0/13.1 dBm OP1dB/Psat

Ruiyang Jiang, Xiangrong Huang and Haikun Jia (Tsinghua University, China); Jiayao Fan, Haoshen Zhu and Wenjie Feng (South China University of Technology, China); Wei Deng, Xiaochuan Duo, Xiao Zhu and Huabing Liao (Tsinghua University, China); Guolong Huang (Huawei Technologies, China); Guangjian Wang (Huawei Technologies Co., Ltd., China); Zhihua Wang and Baoyong Chi (Tsinghua University, China)

[WF1-2] 13:40-14:00

256-Element Active Integrated Array Antenna with 2-Dimensional 160 Degree Scanning

Seung soo Han (Chung-Ang University, Korea (South)); Ji-Hoon Lee (Korea Advanced Institute of Science and Technology, Korea (South)); Hyojae Shin and Han Lim Lee (Chung-Ang University, Korea (South))

[WF1-3] 14:00-14:20

A 94 GHz Phased Array Antenna-in-Package Micro-System Based on HDI Technology

Xiaoyi Liu, Shijie Xiang and Hongfu Meng (Southeast University, China)

[WF1-4] 14:20-14:40

A Compact Dual-Polarized End-Fire Filter Antenna for 5G MMW Terminal Applications

Zehua Shen (Southeast University, China); Feng Zhao (Nanjing Mobile Communication & Computing Innovation Institute, China); Fan Wu (Southeast University, China); Jingxue Wang (Hohai University, China); Chong Guo (Meatronee Technology Company Ltd., China)

[WF1-5] 14:40-15:00

Tiled 28 GHz mmWave Beamforming Module with a Scalable Array Structure

Seunggoo Nam, Hong Seokyeon, Boyoung Lee and Sehwan Choi (Korea Electronics Technology Institute (KETI), Korea (South))