



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[TA2] RF Front-End Circuits for Reconfigurable and mmWave Applications

Session Date:

December 4 (Thu.), 2025

Session Time:

10:30-12:10

Session Room:

Room A (Halla A)

[TA2-1] [Invited]

10:30-10:50

A Design of Sub-GHz Wi-SUN/ TVWS/Dual Mode Transceiver with Automatic Impedance Calibration

Sung Jae Lee (SungKyunKwan University & SKAICHIPS Company, Korea (South)); Young Gun Pu (University of Sungkyunkwan, Korea (South)); Jun-Eun Park and Kang-Yoon Lee (Sungkyunkwan University, Korea (South))

[TA2-2]

10:50-11:10

Low-Loss, Compact Band-Pass/Low-Pass Switch-Type 4-Bit Phase Shifter for 5G FR2 Applications

Geonho Park, Kyunghwan Kim, Goeun Baek and Doyoon Kim (Samsung Electronics, Korea (South)); Han-Woong Choi (Chunnam National University, Korea (South)); Byeong-Taek Moon (KAIST, Korea (South)); Hyun-Chul Park and Chan-Hong Park (Samsung Electronics, Korea (South))

[TA2-3]

11:10-11:30

24-GHz CMOS Active Quasi-Circulator with Wideband 30-dB Isolation

Chih-Hao Yang (National Taiwan University, Taiwan); Zi-Hao Fu (National Taiwan University, Taiwan); Kun-You Lin (National Taiwan University, Taiwan)

[TA2-4]

11:30-11:50

A E Band Vector Sum Phase Shifter with Switched Delay Line

Jun-kyo Park (Sungkyunkwan University, Korea (South))

[TA2-5]

11:50-12:10

A Compact Active Bi-Directional Phase Shifter Employing a Highly Isolated Single Gilbert-Cell

Uichan Park, Taeyeong Yoon and Jungsuek Oh (Seoul National University, Korea (South))