



APMC 2025

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

Session Title:	[WA1] RF Circuit Techniques for Wideband and Multi-Band Systems
Session Date:	December 3 (Wed.), 2025
Session Time:	13:20–15:00
Session Room:	Room A (Halla A)
Session Chair(s):	Nobuyuki Itoh (Okayama Prefectural University, Japan) Donggu Im (Jeonbuk National University, Korea)

[WA1-1] [Invited]	13:20–13:40
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Broadband LNA Design Utilizing an Interleaved-Dual-Zero/Pole-Pair Technique

Yuyang Chen, Hanqi Gao, Xiaoming Liu, Chao Yang, Jianjun Zhou and Jing Jin (Shanghai Jiao Tong University, China)

[WA1-2]	13:40–14:00
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A 57–110 GHz LNA with Novel Bandwidth Enhancement Technique in 130-nm SiGe BiCMOS

Zhan Chen, Chunxia Zhou, Guoxiao Cheng, Wei Kang and Wen Wu (Nanjing University of Science and Technology, China)

[WA1-3]	14:00–14:20
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An 18/28 GHz Reconfigurable GaN LNA with Dual-Input Stage for Multi-Band Communications

Dingyuan Zeng, Haoshen Zhu, Xin He, Zeqi Liu, Song Chen and Xuelong Chen (South China University of Technology, China); Zongqi Cai (CEPREI, China); Quan Xue (South China University of Technology, China)

[WA1-4]	14:20–14:40
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A 26-GHz CMOS Push-Push Oscillator

Hiyori Kishimoto, Kiyotaka Komoku, Jun Furuta, Yasunori Suzuki and Nobuyuki Itoh (Okayama Prefectural University, Japan)

[WA1-5]	14:40–15:00
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A 3.5-GHz Duo-Binary-Encoding-Assisted Envelope Delta-Sigma Digitized Transmitter for Bandwidth-Efficient Three-Level-Envelope Power Amplification

Seunghyun Jang, Bonghyuk Park, Jaeho Jung and Jung-Hwan Hwang (ETRI, Korea (South))