



[FrF2] Wearable and Implantable Antennas

Date / Time	Oct. 26 (Fri.), 2018 / 10:30-12:30
Place	Room F (Miami Room)
Session Chairs	Jae-Young Chung (Seoul National University of Science and Technology, Korea) Biswarup Rana (Seoul National University of Science and Technology, Korea)

FrF2-1

10:30-10:50

Performance Improvement for Monopole Antenna with Circumferential Wire Medium

Rapin Kudpik, Piyaphorn Meesawad, and Rangsan Wongsan
Suranaree University of Technology, Thailand

FrF2-2

10:50-11:10

Dual Band Bowtie Antenna with Matching Stub for Medical Application

Seongjin Park¹, Seonho Lim¹, Donghyun Kim¹, Hyungrak Kim², and Young Joong Yoon¹
¹*Yonsei University, Korea*, ²*Daelim University College, Korea*

FrF2-3

11:10-11:30

Electromagnetic Exposure on Human Phantom Model in Time-Reversed Wireless Power Transmission System

Joon-Hong Kim, Hoyeol Kim, and Sangwook Nam
Seoul National University, Korea

FrF2-4

11:30-11:50

Animal Skin Phantom for RFID UHF Transponder Development

Dominik Gottardi, Volker Wienstroer, and Rainer Kronberger
TH Cologne University of Applied Sciences, Germany

FrF2-5

11:50-12:10

Implantable Antenna Design for Wireless Brain Signal Monitoring

Biswarup Rana¹, Jae-Yeon Shim², and Jae-Young Chung³
Seoul National University of Science and Technology, Korea

FrF2-6

12:10-12:30

Relations of Input Resistance Increases and Current Distributions of a Normal-Mode Helical Antenna in a Human Body Condition

Norsiha Zainudin¹, Yoshihide Yamada², Tarik Abdul Latef¹, Kamilia Kamardin², and Nguyen Quoc Dinh³
¹*University of Malaya, Malaysia*, ²*Universiti Teknologi Malaysia, Malaysia*, ³*Le Quy Don Technical University, Vietnam*