

RESEARCH ROADMAP

The future research direction of electromagnetics research group is communication related RF antenna and circuits field. The research fields include advanced broadband multi-mode microwave passive components, multi-band filters, meta-materials, miniaturized omni-directional high-efficiency multi-band antenna, planar high diversity antenna array, three-dimensional miniaturized microwave passive components, three-dimensional miniaturized RF front-end module, multi-mode radio frequency integrated circuit (RFIC), millimeter-wave integrated circuit, highly integrated transceivers, millimeter-wave high-sensitivity low-cost automotive collision avoidance radar systems, etc. The research fields covering from a single microwave component, microwave modules, as well as the overall microwave system are the objective of this research group.

