

High-isolation Microwave Switch on GaN

Background

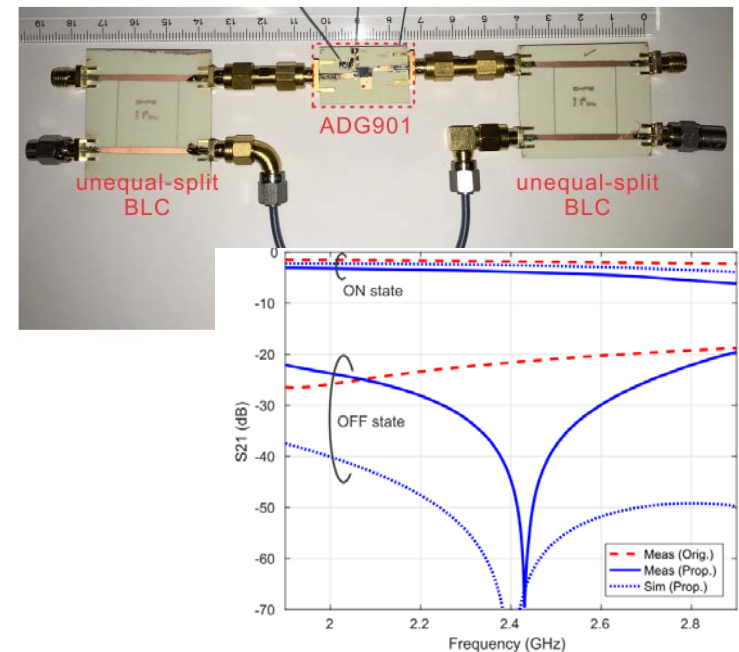
An RF switch is an important component and can be found in many devices such as 6G mobile phones or radars. Isolation and insertion loss are critical factors. In this thesis, a high-isolation and broadband microwave switch will be investigated using GaN technology.

Tasks

Investigate, implement and measure a high isolation switch.

The tasks may involve :

- Paper survey
- Design
- Implementation and Layout
- Post-layout simulation
- (opt. Measurement)



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