Tunable phase shifter on a flexible substrate

Background
Flexible electronics become popular recently due to many applications such as wearable electronic devices. Graphene is a suitable material for high frequency flexible electronics because of its high mobility and mechanical property. Hence, in this thesis a tunable phase shifter which is a common component in many transceivers will be studied, designed and implemented using our in-house graphene technology.

Tasks
Study and design a tunable phase shifter using graphene flexible technology. The tasks may involve:
• Paper survey
• Design
• Layout and EM simulation

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