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| **Abstract:** |  |
| Breast Cancer is one of the deadliest forms of cancer  faced by women every year. Despite having medical methods like  Mammography, MRI and ultrasound available, they have  various limitations due to poor tissue contrast. This results in  misdiagnosis of breast cancer patients all over the world. The  purpose of this paper is to detect the presence of breast cancer  tumors in women by the variation of S11 parameter of a  microstrip patch antenna. To reach the desired goal, a circular  microstrip patch antenna has been designed in ISM band along  with two types of breast phantoms in order to detect the presence  of cancerous tumors. The antenna along with the breast  phantoms have been created using CST design environment and  its various parameters i.e. reflection coefficient, efficiency, SAR  have been evaluated to reach the goal set by this paper. | |