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| **Title:** | In-Body Antenna for Wireless Capsule Endoscopy at MICS Band | | |
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| **Abstract:** |  |
| Wireless capsule endoscopy (WCE) is a non-invasive imaging process.  In wireless capsule endoscopy system, a tiny wireless camera is used to  take image of patient digestive tract. This paper introduces a Microstrip patch  antenna which operates at MICS band (402–406 MHz) for wireless capsule  endoscopy. MICS band meets requirement with high data rate transmission, low  power, long range (10 ft.), leads to design miniaturized antenna and compatible  signal propagation characteristics in the human body. All the important  parameter related to the proposed antenna such as operating frequency, bandwidth,  return loss, VSWR < 2, radiation pattern has investigated through simulation  and measurement. | |