Abstract

In this paper, a microstrip patch antenna design has been proposed to transmit data using ISM band. The antenna is mounted on a sensor node to be used in a sensor network for power efficiency and longevity of the sensor node. The antenna operates at 2.4 GHz providing a high return loss, gain and directivity. The major advantage of using of microstrip patch antenna is low cost and small size which is an inherent parameter of a sensor node. In the proposed design the return loss of -46.843 and directivity of 6.5 dBi is obtained.

References

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Index Terms

Computer Science Networks

Keywords

CST, ISM band, Antenna