

Design of Microstrip Antenna which operates at 2.4 GHz to 2.6 GHz

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Abstracts- The paper presents the design and evaluation of flexible microstrip antenna using textile materials for Wifi application. The proposed antenna successfully operates in ISM (2.4GHz) band allocated for Wifi application with bandwidth of 200MHz operating from 2.4GHz to 2.6GHz.

The proposed antenna is designed using CST Microwave Studio 2016. It achieved an average gain of 6 dB in its operating bandwidth.

Key words: Microstrip antenna, flexible antenna, Wifi, antenna design, Global Positioning System (GPS), Wide Local Area Network (WLAN)