



## A Simple Design and Analysis of Coaxial Fed Annular Ring Microstrip Patch Antenna For Wireless Communication Systems

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GRIN Verlag GmbH Jul 2014, 2014. Taschenbuch. Book Condition: Neu. 211x139x7 mm. This item is printed on demand - Print on Demand Neuware - Research Paper from the year 2014 in the subject Engineering - Communication Technology, grade: 10, Shantilal Shah Engineering College, language: English, abstract: In this paper design and analysis of annular or circular ring type microstrip patch antenna and the basic terms related to design aspects and study of proposed antenna is presented. Like many available variations of microstrip patch geometries annular or circular ring widely used due to its broadband nature when operated in TM<sub>12</sub> mode and has smaller circular counterparts when it is operated in its fundamental mode TM<sub>11</sub>. In this article theoretical and mathematical analysis related to annular ring patch antenna with design is presented and briefly explained. The designed antenna operates at 2.4 GHz resonant frequency so can be used in ISM (Industrial, Scientific and Medical) band wireless applications. The proposed antenna shows good return loss, VSWR as depicted in the graphs. 12 pp. Englisch.



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