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antenna using HFSS ansys**

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Microstrip patch antenna circular  
polarization @ 2.4GHz Microstrip Patch  
Antenna Design with CST STUDIO (1050  
MHz) ?????????????? Microstrip  
Patch Antenna Design using HFSS 2.4  
Ghz Rectangular Microstrip Patch  
Antenna Using Hfss software HFSS-  
MICROSTRIP PATCH ANTENNA  
DESIGN PART-1(basics of antenna  
design using HFSS software) How to  
Design Micro Patch Antenna using  
MATLAB | MicroStrip Antenna Design  
Microstrip Patch Antenna in CST *Design  
of inset-feed microstrip antenna at 2.4*

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*GHz and its radiation pattern and gain plot Fringing Effect of Microstrip Antenna in Antenna and Wave Propagation by Engineering Funda* **Probe-fed Patch**

**Antenna** Small Microstrip Patch Antenna for Future 5G Application in RF \u0026amp; MWE (HFSS) **2.4 GHz Microstrip Patch Antenna Design using CST 2019 (Part**

**1) How to Design Microstrip Patch Antenna Array using CST Design of Rectangular Microstrip Patch Antenna Part 1 (MATLAB Calculation) Microstrip square patch antenna using CST by Shamsur Rahman Akash Circular Shaped Microstrip Patch Antenna at 2.4 Ghz Using HFSS How to See 2D, 3D radiation pattern and current distribution in HFSS Microstrip Patch Antenna | Construction and Design | Aperture Antenna Basics Ansoft HFSS z Antenna tutorial Designing of Microstrip Antenna in Antenna and Wave Propagation by Engineering Funda**

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## **Design Rectangular Patch Antenna using HFSS Part - 1 Week5-Lecture 19**

*Microstrip Antenna | Microstrip Patch  
Array | Types of Antenna | AWP | Vaishali  
Kikan | Lecture 36 | Rectangular Patch  
Antenna design Step by Step in 15 min  
with HFSS Last version (2020) HFSS*

*Tutorial - Modelling a Patch Antenna The  
Antenna Design of Electrical Engineering  
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TRENDS IN MICROSTRIP*

*ANTENNAS"-DAY 5 15 Microstrip  
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Microstrip antennas are relatively inexpensive to manufacture and design because of the simple 2-dimensional physical geometry. They are usually employed at UHF and higher frequencies because the size of the antenna is directly tied to the wavelength at the resonant

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A novel shape penta-band microstrip patch

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antenna is presented in this paper. The proposed antenna shows five operating frequencies and can be used for various wireless applications, i.e. 2.58 GHz for non-direct line of sight, wireless Internet service providers, and compatible with Navini Networks; 3.17 and 3.42 GHz for WiMAX; 4 GHz for C-band application such as weather radar systems; and 5 ...

~~Penta-band microstrip patch antenna with small frequency ...~~

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In this paper, by using variations of slots, a face-shape microstrip antenna derive from basic rectangular microstrip antenna is proposed for dual polarized multiband response. Slot position and dimension tunes higher order modes  $TM_{02}$  and  $TM_{12}$  with respect to fundamental mode  $TM_{10}$  resulting into dual polarized multiband response with impedance bandwidth of 1.5% to 2% at each band.

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A dual-polarized dual-layer wideband microstrip antenna is presented. Dual orthogonal linear polarization and enhanced isolation between two ports are achieved by employing two radiating patches perpendicular to each other and printed on two separate substrates.

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G. A. Deschamps, " Microstrip Microwave Antennas ", presented at Third USAF symposium on Antennas, 1953 Microstrip Antennas, Chapter 10 in Antenna Handbook: Theory Applications and Design Jan 1988

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The measured results show that the dual-feed microstrip grid array antenna

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has achieved excellent performances: 4.85% impedance bandwidth, 9.03% gain bandwidth, and 20.6 dBi gain at 24.15 GHz as a balanced antenna and 6.05% impedance bandwidth, 7.74% gain bandwidth, and 17.8 dBi gain at 24.15 GHz as an unbalanced antenna.

~~A dual-feed microstrip grid array antenna for balanced or ...~~

In the paper 12mm by 15.6 mm rectangular patch antenna carved on FR4 substrate is presented. Both the simulated and the measured result show the operation of the antenna in the entire UWB range.

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Microstrip Antennas International Journal of Antennas and Propagation. ... (15) It is therefore concluded that the modal Q eig

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Journal the Q X by [20, 21]) that in resonance it also equals the radiation Q ... International Journal of Antennas and Propagation 3 P3 (x3, y3) P1 (x x 1, y y 1) P2 P0 P0

## ~~International Journal of Antennas and Propagation~~

In this paper a conventional microstrip antenna (MSA) has been designed for 6GHz. The antenna is designed on FR4 with dielectric constant  $\epsilon_r = 4.4$  and with the height of  $h = 1.6\text{mm}$  with the width of  $W = 15.24\text{mm}$  and the length  $L = 11.33\text{mm}$  respectively.

## ~~Study of Microstrip Antenna Using Various Types of EBG ...~~

Anitha V. R and Narayana R. S., ,,, Design of an 8X1 square Microstrip patch Antenna Arrayâ , International journal of Electronic Engineering research 1 (1):

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71-77, 2009. Mohamed S and Noha .H.,  
,,,A novel internal Dual-polarized EBG  
Antenna for indoor reception of UHF  
Terrestrial Digital TV Broadcastingâ ,  
International journal of microwave science  
and technology 2012:1155-2012 ...

~~Development of Microstrip Patch as  
HDTV Antenna for ...~~

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SCIENTIFIC & TECHNOLOGY  
RESEARCH VOLUME 9, ISSUE 01,  
JANUARY 2020 ISSN 2277-8616 617  
IJSTR©2020 www.ijstr.org Fig.

1.b.Microstrip fed slot octagonal antenna  
Fig. 1.c.Microstrip fed octagonal ring slot  
antenna Fig. 1.d.CPW fed combined  
octagonal antenna

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**5G Communication, Rectangular Patch, Microstrip, Array . ABSTRACT.** A simple rectangular microstrip feed antenna is proposed for 5G communication. The proposed structure has 7.9 x 14.71 x 1.6 mm dimension and the substrate used in the design is FR-4. The antenna has the operating band from 27.67 GHz to 28.31 GHz band.

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International Research Journal Publisher:  
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2249-4596 & Print ISSN: 0975-5861. A  
Compact Microstrip Patch Antenna for  
Wireless Communication By  
B.Mazumdar, U.Chakraborty,  
A.Bhowmik, S.K.Chowdhury &  
A.K.Bhattacharjee . JIS College of  
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~~A Compact Microstrip Patch Antenna for Wireless Communication~~

[1] M. R. Bhalla and A. V. Bhalla, “Generations of Mobile Wireless Technology: A Survey”, International Journal of Computer Applications vol. 5, no, 4,, pp. 26–32, 2010. [2] S. Ohmori, Y. Yamao, and N. Nakajima, “The Future Generations of Mobile Communications Based on Broadband Access Technologies”, IEEE Communication Magazine vol. 38, no, 12, pp. 134–142, 2010.

~~Metamaterial superstrate microstrip patch antenna for 5G ...~~

A compact, proximity feed fractal slotted microstrip antenna for wireless local area network (WLAN) applications has been designed. The proposed 3rd iteration reduces antenna size by as compared to

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rectangular conventional antenna and by introducing H shape DGS, the size of an antenna is further reduced by.

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