Abstract

In this paper, we describe the formatting guidelines for IJCA Journal Submission. The proposed antenna is of H-shaped slotted for WLAN, wireless- A, Cu, X, Ku band comm. and various applications which has single band and compact in size. This antenna has h-shaped slot in the patch which is excited by the electromagnetic feeding technique. The substrate used to design is air having permittivity of 1. For this antenna VSWR, impedance bandwidth, radiation pattern E-field, and 3-D pattern is simulated for results. The antenna is simulated by the use of HFSS software for all the results. The bandwidth covers the range from 5GHz to the 15GHz which is very large bandwidth.

References

- Yun Liu, Zhenyi Niu, And Xiaojun Wang Dual-Band H-Shaped Slot Antenna For 2. 4 And
5 Ghz Wireless Communication College Of Information Science And Technology, Nanjing University Of Aeronautics And Astronautics, Nanjing 210016, People’s Republic Of China

- J R James & P S Hall Published Chapter3 Characteristics Of Microstrip Patch Antennas And Some Methods Of Improving Frequency Agility And Bandwidth Page No135 By: Peter Peregrinus Ltd., London, United Kingdom 1989: Peter Peregrinus Ltd.
- HFSS – Ansoft Corporation: High Frequency Simulation Software (HFSS) Version 10. 0 (Ansoft Corporation, USAM)
- M. A. Matin • B. S. Sharif • C. C. Tsimenidis. Broadband Stacked Microstrip Antennas With Different Radiating Patch.
- Three Jianhua Zhou, Yong Luo, Baiqiang You, And Bin Lin Department Of Electronic Engineering, Xiamen University, Xiamen, Fujian, To Two Curve Fractal Folded Dipole Antenna For Rfid Application 361005, People’s Republic Of China; Corresponding Author: Eezhoujh@Xmu. Edu. Cn Received 27 October 2009
- Wang Ren,1 Zhiguo Shi,1 Haiwen Liu,2 And Kangsheng Chen1 Novel Compact 2. 4/5-GHz Dualband T-Slot Antenna For Wlan Operations 1 Department Of Information And Electronic Engineering, Zhejiang University, Hangzhou, Zhejiang 310027, People’s Republic Of China 2 Graduate School Of Information, Production, And Systems, Waseda University, Kitakyushu 808-0135, Japan Received 17 October.

Index Terms

Computer Science Communication

Keywords

Wideband antenna electromagnetic coupling Gain impedance bandwidth HFSS.