Abstract

In this paper we present a proposed design for square shaped micro-strip patch antenna by cutting three rectangular slots on the surface of the square patch. Using proposed antenna design and probe feeding at proper position we will compare the resultant return loss and VSWR and bandwidth with the results of no slot loaded square shaped micro-strip patch antenna. For perusal and scheming IE3D simulation software has been used. In this paper it is noticed that by the use of slotted patch antenna and using probe feed at proper location we are able to obtain better return loss, Voltage Standing Wave Ratio and bandwidth.

References

- John D Kraus, Ronald J Marhefka, A. S. Khan, "Antennas and Wave
Design and Comparison of Three Rectangular-Slots-Loaded and No Slot-Loaded Square Shaped Micro-strip Patch Antenna


Index Terms

Computer Science
Communications

Keywords
Slotted square shaped micro-strip patch antenna
Return loss
VSWR