Abstract

This paper presents the design of Multi layer parasitic MSA Array concerned on enhancement of gain at 5.8 GHz for Wi-Max application. Micro strip patch antenna array is designed by using different substrates. First layer element is made of FR4 substrate while other layers are of different substrates. The antenna provides better gain after adding the patch elements. Array concerned on enhancement of gain at 5.8 GHz for Wi-Max application. Micro strip patch antenna array is designed by using different substrates. First layer element is made of FR4 substrate while other
layers are of different substrates. The antenna provides better gain after adding the patch elements.

References

- D. Bhardwaj, D. Bhatnagar, S. Sancheti, B. Soni; Design of Square Patch Antenna with a Notch On FR4 Substrate; in Proc. Asia Pacific Microwave Conference, 2007. ISSN 1751-8725.
- Khalid Ali, Sultan Jasim; Compact Dual Band Monopole Antenna for WLAN/ Wi Max Applications; International Conference On Micro electronics, Communication and Renewable energy (ICMiCR- 2013).
- George Casu, Catalin Marau, Andrei Kovacs; Design & Implementation of Micro strip Patch Antenna Array; IEEE 2014.
- V Srinivasa Rao, Dr. DR Jahangirdar, Prof. Girish Kumar; Design And Development of Broadband Circularly Polarized C- Band Micro Strip Antenna Array; Annual IEEE India Conference (INDICON), 2014.

Index Terms

Computer Science Wireless

Keywords
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