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International Journal of Antennas and Propagation— An Open ...

the designed antenna at this frequency is 636.9 MHz so here the bandwidth is increased. 1.00 Fig.14 VSWR of the antenna Voltage standing wave ratio for the designed antenna for the given slot size is 1.1324, that is near to unity and gives good Fig.15 Gain of the antenna Fig.16 Directivity of the antenna 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00

(PDF) Some Recent Developments of Microstrip Antenna

The International Journal on Communications Antenna and Propagation (IRECAP) currently has an acceptance rate of 34%. The average time between submission and final decision is 37 days and the average time between acceptance and publication is 20 days.

International Journal on Communications Antenna and ...

7. AlakMajumder, "Rectangular Microstrip Patch Antenna using Coaxial Probe Feeding Technique to Operate in S-Band", International Journal of Engineering Trends & Technology, Vol.4, Issue 4, 2013, pp.1206-1210. 8.

Simulation of Rectangular Microstrip Patch Antenna | Open ...

International Journal of Advances in Electronics and Computer Science, ISSN: 2393-2835 Volume-2, Issue-8, Aug.-2015 Design And Implementation Of A Conformal Omni directional Micro strip Antenna Array On Cylindrical Surface 42 DESIGN AND IMPLEMENTATION OF A CONFORMAL OMNIDIRECTIONAL MICROSTRIP ANTENNA ARRAY ON CYLINDRICAL SURFACE

Metamaterial inspired DNG superstrate for ... - Cambridge Core

Global Journal of Research Engineering Volume 11 Issue 2 Version 1.0 March 2011 . Type: Double Blind Peer Reviewed International Research Journal Publisher: Global Journals Inc. (USA) ISSN: 0975-5861 . Design and Analysis of Rectangular Microstrip Antenna with PBG Structure for Enhancement of Bandwidth . By Kapil Goswami, Ashutosh Dubey ...

Design and Analysis of Rectangular Microstrip Antenna with ...

Vinoy, "Design studies of ultra-wideband Microstrip antenna with a small capacitive feed,"International Journal of Antenna and Propagation, Vol. 2007, Article ID 67503, 8, 2007, doi: 1155/2007/67503. 7. Constantine, J., et al. "New multiband Microstrip antenna design for wireless communication, "IEEE Antennas and Propagation Magazine, Vol ...

RECTANGULAR RING MICROSTRIP ANTENNA: AN IMPACT ON WIRELESS ...

An antenna plays a major role in the field of communication engineering. In this paper we have designed a 12 sided polygon shaped patch Microstrip antenna and simulation has been done using IE3D simulator software version 14.0. The designed antenna

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

Metamaterial superstrate microstrip patch antenna for 5G ...

Some Recent Developments of Microstrip Antenna Article (PDF Available) in International Journal of Antennas and Propagation 2012(1) · March 2012 with 4,189 Reads How we measure 'reads'

Microstrip Antenna - OMICS International

About this Journal. International Journal of Antennas and Propagation is a peer-reviewed, Open Access journal that publishes original research articles as well as review articles on the design, analysis, and applications of antennas, along with theoretical and practical studies relating the propagation of electromagnetic waves at all relevant frequencies, through space, air, and other media.

PAPER OPEN ACCESS Multi-Technique Broadband Microstrip ...

Abstract. Microstrip patch antenna is mostly used in modern communication devices over conventional antennas mainly because of their size. In this review paper a survey is conducted on commonly used techniques and design used in microstrip antenna papers which has been used by authors for designing of an efficient, low profile, small, compatible, affordable microstrip antenna, mainly used to ...

International Journal of Antennas and Propagation - Hindawi

The antenna structure consists of a microstrip feed line connected to a rectangular patch. Then triangular split ring resonator unit cell is inserted on the ground of a traditional patch antenna that resonates at 15 GHz to produce additional resonance at 10 GHz.

DESIGN AND IMPLEMENTATION OF A CONFORMAL OMNIDIRECTIONAL ...

The antenna is a combination of circular patch and four capacitive feeds. By incorporating a cross-connected shorted conducting strip over the circular patch, the proposed antenna provides an enhanced impedance width of 65.4%, ranging from 1.46 to 2.88 GHz.

Rectaangular Microstrip Patch Antenna For Wireless ...

This paper presents a flexible microstrip antenna that can be placed in contact with the human skin. The developed antenna is only 0.25 mm thick, has 32 mm × 31 mm dimensions, and –19 dB measured parameter at 2.45 GHz. A specific application of the antenna in microwave breast imaging is considered.

International Journal of Antennas and Propagation

As per available reports about 78 journals, 198 Conferences, 31 workshops are presently dedicated exclusively to Microstrip Antenna and about 1,700 articles are being published on the current trends in Microstrip Antenna. In terms of research annually, USA, India, Japan, Brazil and Canada are some of the leading countries where maximum studies related to Microstrip Antenna are being carried out.

(PDF) DESIGN AND SIMULATION OF I PATCH ANTENNA WITH ...

This paper presents design and simulation of a rectangular microstrip patch antenna at 6.5 GHz for wireless communications. This antenna has 140 MHZ bandwidth, Return loss at centre frequency has less than -16.70dB. The beauty of this antenna is the use of single patch which make it easy to fabricate consequently cost of antenna becomes cheaper.

A Review Paper on Techniques and Design for Microstrip ...

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.

Broadband circular patch antenna with monopolar radiation ...

[1] Daniel Colles and Dean Arakaki, Multi-technique broadband microstrip patch antenna design, 2014 IEEE Antennas and Propagation Society International Symposium (APSURSI) [2] ~ ^ ^ ^ ^ , ^ ^ ^

(PDF) Design and Analysis of Microstrip Patch Antenna for ...

Abstract. To utilize the manipulation of wave properties by metamaterials, in this paper, a microstrip-fed patch antenna array, loaded with metamaterial superstrate, has been proposed. Under unloaded conditions, the conventional patch antenna array resonates at IEEE 802.16a 5.8 GHz Wi-MAX band with gain of 4.31 dBi and bandwidth of 425 MHz,...

International Journal of Engineering Trends and Technology ...

[Chaurasiya*, ^, 3(12): December, 2016] ISSN 2349-6193 Impact Factor: 2.805 IJESMR International Journal OF Engineering Sciences & Management Research DESIGN AND SIMULATION OF I - SHAPE RECTANGULAR MICROSTRIP PATCH ANTENNA WITH COAXIAL FEEDING FOR C-C BAND APPLICATION Sunil Kumar Chaurasiya*1, Namrata Sahayam2 *1M.E Student, Department of Electronics & Communication Engineering Jabalpur ...