

# Bandwidth Improvement Of Monopole Antenna Using Aascit

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### Bandwidth Improvement Of Monopole Antenna

#### **Bandwidth Improvement of Microstrip Crossed Monopole ...**

International Journal of Computer Applications (0975 - 8887) Volume 136 - No8, February 2016 6 Bandwidth Improvement of Microstrip Crossed Monopole Antenna Vipin Singh Dept Electronics & ...

#### **Bandwidth Improvement of Dual Band Printed Rectangular ...**

monopole (CM), its radiation pattern suffers less degradation within the impedance BW Keywords: Printed Rectangular Monopole antenna, antenna feeds, Slot cut, offset feed and broadband antenna I INTRODUCTION Today's world demands antennas that are diminutive but provide a wide impedance bandwidth for greater number of applications

#### **A compact printed triangular monopole antenna for ...**

bandwidth improvement process of the monopole antenna Gen-erally, a simple triangular patch antenna has narrow-band char-acteristics To improve impedance bandwidth in this antenna, we shape the partially etched rectangular ground plane of the Antenna 1 ...

#### **Antenna Bandwidth Improvement by Using Indirect**

Antenna Bandwidth Improvement by Using Indirect Coaxial Probe Feeding Method By Mohanad Basem Qraieqa Supervisors Prof Dr Mohamed Ouda Dr Mustfa Abu Nasar A Thesis Submitted in Partial Fulfillment of Requirements for the Degree of Master in Electrical Engineering-Communication Systems Faculty of Electrical Engineering Islamic University of Gaza

#### **Bandwidth Improvement of Microstrip Patch Antenna using ...**

the Bandwidth has been doubled in value and there is also an increase in the Return Loss value IV CONCLUSION 1, pp 190 Bandwidth Improvement of Microstrip Patch Antenna using Partial Ground Plane is studied here The overall size of the Antenna is 3292 x 3993 x 15mm<sup>3</sup> and it gave a

Bandwidth of 230 MHz The proposed antenna's ground

### **Bandwidth Improvements Using Ground Slots for Compact ...**

The method of using a ground slot for bandwidth improvement of a compact UWB planar monopole antenna has been studied The antenna has a compact size of 35mm  $\times$  23mm and the small ground slot is placed under the feed line on the ground plane Triangular, rectangular, partially circular and hexagonal slots have been used for studies by simulation

### **Radiation Characteristics Improvement of Monopole Antenna ...**

Radiation Characteristics Improvement of Monopole Antenna for WBAN Applications Ebrahim Sailan Alabidi 1 , M R Kamarudin 1 , T A Rahman 1 , Mohsen Khalily 1 , A Y

### **BENT MONOPOLE ANTENNAS**

monopole antenna with a total height of 0027,0 and a fractional bandwidth of 244% around 13GHz The metamaterial (MTM) structure is a dual-layer mushroom-like electromagnetic band gap (DL-EBG) conceived and optimized to improve the antenna's operating bandwidth Moreover, a "Sabre-Type" antenna composed by two

### **An Electrically Small Low-Profile and Ultra-Wideband ...**

The low profile and bandwidth improvement of a conventional monopole antenna can be obtained by two approaches: first, top-loading with a capacitive plate and second, coupled sectorial loop antenna (CSLA [20]) with shorting traces In this paper, the aforementioned two approaches are combined to design a low-profile and UWB antenna

### **Design and Improvement of Step Slotted Microstrip ...**

low profile patch antenna with wide bandwidth, high gain, high directivity and monopole like radiation pattern The proposed antenna has a bandwidth of 1396% and gain of 475 dBi with monopole like radiation pattern at 5156 GHz for an infinite ground plane Using Defected

### **Very Compact UWB Antenna with Group Delay Improvement**

Very Compact UWB Antenna with Group Delay Improvement 199 11 dB S<sub>11</sub> f[GHz] Fig 2 - S<sub>11</sub> parameter with and without semicircle f[GHz] 11 dB S<sub>11</sub> Fig 3 - S<sub>11</sub> parameter for different values of circle radius on the back side of antenna As can be seen, for r = 3mm, the antenna bandwidth and return loss show optimum values Fig 4 shows co and cross patterns of the designed antenna at

### **Bandwidth and Gain Enhancement of Star-Triangular Fractal ...**

fractal antenna was compared with the conventional micro-strip fed slot antenna and it was found that novel antenna resulted in improved bandwidth and reduced size [11] In 2007, slotted ground was used along with modified Sierpinski patch to improve bandwidth of ...

### **Vol. 8, No. 10, 2017 Design of a Microstrip Patch Antenna ...**

tions [5], SRR loaded UWB circular monopole antenna [6], new planar antenna for UWB applications [7], and a printed circular monopole disc antenna [8] In the literature, several methods are suggested to rise the bandwidth of antenna such as meandered ground plane method [9], patch antenna with integrated band pass filter [10],

### **Bandwidth Enhancement of CPW-fed G-shaped Monopole ...**

Bandwidth Enhancement of CPW-fed G-shaped Monopole Antenna at 585 GHz for WiMAX Ajmal Hussain Shah<sup>1</sup>, Sathish Kumar Selvaperumal<sup>2</sup>, and Surendran Subramaniam <sup>1,2</sup>Lecturer, School of Engineering, Asia Pacific University of Innovation & Technology, Kuala Lumpur, Malaysia

### **Bandwidth Enhancement of Dipole Antennas using Parasitic ...**

Dipole and Monopole Antennas, in Antenna Analysis and Design Using FEKO Electromagnetic Simulation Software, ACES Series on Computational Electromagnetics and Engineering, SciTech Publishing, an Imprint of IET, Edison, NJ, pp 36-38, 2014 [3] G R Hoch, P Nayeri, and A Z Elsherbeni, "Bandwidth enhancement of dipole antennas using

### **The useful folded unipole - Nott Ltd**

amount of height can result in a real improvement in bandwidth over a quarter-wave antenna This height increase becomes proportionally greater at lower frequencies, but in the upper portion of the AM band, it may be practical to increase tower height slightly and install a bandwidth-optimized folded-unipole antenna to realize the full

### **HF Active Monopole - Alaris Antennas**

HF Active Monopole 9 kHz - 30 MHz VERSION: 11 Product Code: MONO-A0071 Updated 2015-06-08 PAGE 1 of 1 sales@alaris.co.za  
www.alarisantennas.com Alaris Antennas has a policy of continuous improvement and hence specifications may change without notice Nominal input impedance Sensitivity in 1 Hz bandwidth Can be bolted to a concrete plinth

### **The Effect of the Ground Slots up on the Bandwidth ...**

bandwidth improvement in case of rectangular and circular slots, but most of the cases have at least one reject band performance as illustrated in Table 3 It is clear that, the bandwidth performance is affected by the type of slot Monopole Antenna with Variable Band-Stop Function,"

### **ENHANCEMENT OF BANDWIDTH AND GAIN OF A RECTANGULAR ...**

Department of Electronics and Communication Engineering National Institute of Technology, Rourkela-769008 CERTIFICATE This is to certify that the thesis entitled, "ENHANCEMENT OF BANDWIDTH ...