

Dual Band Step Shaped Antenna Array For Wlan And Wimax

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Dual Band Step Shaped Antenna

Bingfu Ham Radio Vehicle Car Mobile Radio Antenna Dual Band VHF UHF 136-174MHz 400-520MHz Magnetic Base PL259 Male Antenna for BTECH ICOM Kenwood Midland Yaesu TYT AnyTone Amateur Radio Two Way Radio. 4.0 out of 5 stars 25. \$20.99 \$ 20. 99. Get it as soon as Fri, Jul 24.

Amazon.com: dual band antenna

Dual-band antennas are important in communication systems which operate in more than one frequency band. In this paper, a dual-band z-shaped stepped dielectric resonator antenna (DRA) is presented for millimeter-wave (MMW) applications. There are a number of definitions describing antennas operating in the MMW bands.

A Dual-band Z-shape Stepped Dielectric Resonator Antenna ...

This article presents a novel Jia-shaped patch antenna printed in standard SimHei font for dual-band circular polarization at 2.6 and 3.4 GHz. A detailed design procedure as well as the working mechanism were described, in particular, the creation of pairs of near degenerate-orthogonal modes was achieved, such that a dual axial-ratio (3-dB) bandwidth was produced at 2.58–2.62 GHz and 3.37–3.42 GHz, wherein the maximum gain of 7.3 and 6.3 dBic was obtained, respectively.

A Jia-shaped artistic patch antenna for dual-band circular ...

Design and Optimization of Dual Band Micro Strip Antenna using Practical Swarm Optimization maximize the return loss for dual band Frequency at 2.4GHz is -43.95dB and at 3.08GHz is -27.4dB. K F Lee [6] proposed U Shape slot shorting post small size Microstrip Antenna and increase bandwidth up to 42%. S C Gao [7] used uniplanar photonic

Dual Band E-Shape Micro strip Patch Antenna on RT DUROID ...

In this antenna, the aim is to propose a simple configuration of patch and ground plane with a step-by-step process design of conductor back plane to access dual-band specification. Frequency bands can be created, by inserting the rotated U-shaped conductor-backed plane, and for proper controlling the both bands, the strip is embedded on them.

Design and Implementation of Low Profile Antenna for Dual ...

Abstract. In this paper, a novel compact dual band-notched ultra-wideband (UWB) multiple-input multiple-output (MIMO) antenna of size 22 × 26 × 0.8 mm 3 is proposed for portable devices. The antenna comprises of two stepped slot UWB antennas fed by 50 ohms microstrip line, T-shape slot and narrow slot.

Trident-shape strip loaded dual band-notched UWB MIMO ...

The proposed single-feed dual-band CP designs are achieved by inserting four T-shaped slits at the patch edges or four Y-shaped slits at the patch corners of a square microstrip antenna. From experiments conducted, a patch size reduction as large as 36% for the proposed design, compared to a conventional CP design without the inserted slits, has been obtained.

Dual-band circularly-polarized square microstrip antenna ...

This chapter focuses on the design of E-shaped dual bandMIMO antenna intended for 5G mobile applications. It operating at 3.3 GHz and 32 GHz. The antenna designed in this letter are different from traditional 5G antennas, the antenna of this paper is

(PDF) Design of E-Shaped Dual-Band MIMO Antenna for 5G ...

Abstract A Dual-band printed dipole antenna is proposed for 2.45 GHz Bluetooth (ISM) and wireless area network (WLAN) 5.8 GHz applications. The objective of the special design is to compensate the space attenuation difference between the frequency of 2.45 GHz and the frequency of 5.8 GHz.

Dual-Band Printed Dipole Antenna with Parasitic Element ...

Design of dual band microstrip antenna at 2.4 GHz and 5.2 GHz

(PDF) Design of dual band microstrip antenna at 2.4 GHz ...

50W VHF/UHF Dual Band Antenna For Car Mobile Radio+Magnetic Mount Base High Gain. \$15.95. 3 left. Tram 1481 Dual Band 2M/70cm 144-148 & 440-450 MHz Base/Repeater Antenna 17' \$106.88. 4 left. Diamond X700HNA DualBand VHF/UHF 2 Meter/70cm Amateur Ham Radio Base Antenna 24' \$399.95. 5 left.

Dual Band Base Antenna for sale | In Stock | eBay

The structure of the dual band-notched antenna and its VSWR results are shown in Figure 4 a. The VSWR result indicate that a second band is introduced in the existing single band-notched antenna without deteriorating the performance of the single band-notched antenna.

A Compact UWB Antenna with Independently Controllable ...

A dual-band antenna design that covers the 2.26-2.54 GHz and 5.14-6.10 GHz bands is presented. The proposed antenna design consists of two patch radiators suspended above a ground plane.

(PDF) A Planar Dualband Antenna Array

The antenna is fabricated on 1.6 mm thick FR4 substrate having a dielectric constant of 4.6. The total size of the antenna is 62.4 x 55.8 mm 2. By changing the step-shaped gap in the dipole these bands can be adjusted. The antenna provides gain in each band that is satisfactory for practical applications.

Design of multi-band antenna for LTE and WiMAX ...

The Ant.1 and Ant.3 gives dual-band characteristic covering 5.2/5.8 GHz-WLAN band including 5.150–5.875 GHz and 3.5/5.5 GHz-WiMAX including 3.4–3.7 GHz and 5.25–5.85 GHz, respectively. The Ant.2...

(PDF) Design of Compact Dual-band and Tri-band Microstrip ...

As a possible solution, a simple, compact microstrip-fed UWB antenna with dual-band-notched characteristics at 3.4 and 5.8 GHz is proposed. It has a broad impedance bandwidth, owing to a modified ground plane with two fillets and a step-shaped slot.

UWB Antenna Blocks Interference | Microwaves & RF

Abstract: A novel dual-band coplanar waveguide (CPW)-fed slot antenna with a C-shaped grounded strip is proposed for dual-sense circularly polarized radiation. The circular polarization in the lower band is achieved by the slots loaded in two opposite corners, and the C-shape grounded strip can offer a current path for the upper band.

Dual-Band Dual-Sense Circularly Polarized Slot Antenna ...

For upper band, Odd mode is suppressed by introducing step shaped modifications in the ground plane at left side of the feed line, resulting in linear polarized upper band. Dual band nature of the antenna is confirmed by 10 dB impedance bandwidth extending from 3.91-5.31 GHz to 7.51-8.72 GHz.

Mode investigation of parasitic annular ring loaded dual ...

In, a novel design of dual band-notched monopole antenna with bandwidth enhancement for UWB applications is presented. By adding an inverted T-shaped parasitic structure inside the inverted T-shaped slot on the radiating patch, a dual band-notched function is achieved. Also, the dimension of the proposed antenna is $12 \times 18 \text{ mm}^2$

A Planar UWB Reconfigurable Face-shaped Monopole Antenna ...

A novel compact coplanar waveguide (CPW)-fed planar monopole antenna with triple-band operation is presented for simultaneously satisfying the LTE 2600, WiMAX, WLAN and X-band applications. It is p...

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