
Compact Wideband Dual Polarized Microstrip Patch Antenna

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Compact Wideband Dual Polarized Microstrip

Design of Dual Band Dual Polarized Microstrip Patch Antennas

Compact microstrip antennas capable of dual polarized radiation are very suitable for applications in wireless communication systems that demand frequency reuse and polarization diversity 12 Aim and Objective The aim of the project is to design and fabricate a dual frequency and dual polarized microstrip patch antenna

Compact Wideband Dual-Polarized Microstrip Patch Antenna

Compact Wideband Dual-Polarized Microstrip Patch Antenna K Rambabu*, M Alam, J Bornemann and M A Stuchly Department of Electrical and Computer Engineering University of Victoria, Victoria, BC, Canada V8W 3P6 I INTRODUCTION Bandwidth enhancement by multiple resonances is a widely used technique for microstrip patch antennas

COMPACT AND WIDEBAND DUAL-POLARIZED AN- TENNA ...

Dual-polarized wideband antenna is widely needed in wireless communication systems that need polarization diversity For this application, the critical requirements include compact size, wide bandwidth, high isolation, low cost, etc Microstrip antenna is the usual choice for compactness antenna design, but the isolation

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Wideband Circularly Polarized Microstrip Antenna with ...

Wideband Circularly Polarized Microstrip Antenna with Enhanced Beamwidth Suman Pradhan*, and Bhaskar Gupta Dept of ETCE, Jadavpur University sumanpradhankut2@gmail.com Abstract Circularly polarized microstrip antennas have inherent narrow axial ratio bandwidth and beamwidth is close to 90° The axial ratio (AR) bandwidth can be increased by

Dual-polarized Ultra-wideband Antenna with Improved ...

In9), an UWB dual-polarized antenna based on microstrip technology has been proposed However, compared to microstrip technology, CPW (coplanar waveguide) technology has propose the design of a compact ultra-wideband dual-polarized antenna based on CPW technology After that, **A NEW WIDEBAND DUAL LINEAR FEED FOR PRIME FOCUS ...**

microstrip sinuous antenna are capable of providing dual polarized, broadbeam, multi-octave bandwidth performance as feeds for a point source, RCS compact range without the detrimental pulse ringing characteristics of other multi-octave feeds The polarization characteristics of the sinuous antenna

A Circularly-Polarized Compact Wideband Patch Antenna ...

dual frequency band antenna is designed Finally, a compact wideband circularly-polarized (CP) MPA is proposed through imposing various perturbations in the current route in the ground plane of the antenna The maximum gain and the impedance bandwidth of the designed CP antenna are 84dBi and 25%, respectively

Low-profile, Ultra Wideband and Dual Polarized Antennas ...

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Extended-Bandwidth Microstrip Circular Patch Antenna for ...

A compact wideband dual-frequency microstrip antenna is proposed in [14] The antenna has an offset microstrip-fed line and a strip close to the radiating edges in the circular slot patch, and

Dual Band Circularly Polarized Monopole Antenna For Wlan

Acces PDF Dual Band Circularly Polarized Monopole Antenna For Wlan starts merging with single wideband of IMBW from 329 GHz to 1548 GHz while it still has dual band CP within the IMBW, which have different frequency bands, they are summarized in Table 1 and presented in Dual-band Circularly Polarized Deformed Monopole Antenna A compact

A Compact Dual-Polarized Double -Shaped Patch Antenna ...

communication, compact microstrip antennas have received much attention for their attractive features, such as light weight, low profile, low cost, and ease to integrate with circuits These features of microstrip antenna attracted amounts of researchers to study and a series of literatures have been reported [1]-[5] Dual-polarized antenna

Design of Compact Dual-Polarized Printed-Circuit Antenna ...

relatively small substrate area Such compact wideband dual-polarized patch antennas have been proposed in [3], [4] By overlapping three squared patches along their diagonals, the bandwidth can be significantly increased Fig 1 Basic layout of the compact dual-polarized printed-circuit antenna

for UWB applications

Multilayer Microstrip Antenna for broadband Applications

attention recently to compact microstrip antennas Many related compact designs with broadband dual-frequency operation, dual polarized radiation, circularly polarized radiation, and enhanced antenna gain have been reported Many significant advances in improving the inherent narrow operating bandwidth of microstrip antennas have been

2179-10742019v18i11333 Crescent Shape Microstrip Antenna ...

Crescent Shape Microstrip Antenna for Dual polarized Multi-band Response Multiband and dual-polarized antennas are patch have been used for achieving wideband or dual band characteristics

MICROSTRIP ANTENNA FOR AUTOMOBILE ...

Microstrip antennas have been one of the most innovative topics in antenna theory and design in recent years, and are increasingly finding application in a wide range of modern microwave systems In this paper a brief overview of the of microstrip antennas, design and analyses of the microstrip

WIDEBAND PHASED ARRAY ANTENNAS AND COMPACT, ...

wideband phased array antennas, one produces linear polarization and one produces circular polarization The main difference between these two phased array antennas is the antenna array For the linearly polarized array, a wideband microstrip line to slotline transition is used to feed a Vivaldi antenna For the circularly polarized array, a