

# V-lab dual base station establishment and communication

mutual interference model of multiple ISAC base stations, which consists of communication and radar sensing related interference. Moreover, we propose a joint optimization algo. ithm (JOA) to solve the ...

In this letter, a compact dual-band and dual-polarized base station antenna with the low-band (LB) and high-band (HB) shared-dipole elements is presented. The proposed antenna consists of a LB ...

Therefore, this paper proposed a dual-band dual-polarized antenna for small base station applications that can cover the low band (3G/4G bands) and high band (5G NR band n78) at the ...

Virtual Labs for remote access in Electronics & Communications by IIT Delhi.

A broadband vertically/horizontally (V/H) dual-polarized antenna is proposed for mobile communication base stations. The antenna consists of two perpendicularly placed broadband planar ...

Implementing a dual base station to cater for a breakdown of the first base station creates huge remoteness as the cluster heads are not within the spectrum of the second base station....

The communication between the base stations and the microcontrollers is proposed to be undertaken in peer-to-peer mode using four different channels to synchronize the communication ...

This work demonstrates a dual-band, single-chain RF-FE architecture for an Open-RAN radio unit (oRU), enabling con-current operation in the n78 and n77-upper frequency bands.

Abstract-- A dual-polarized antenna element for 5G base station is investigated in this paper. The proposed element consists of two crossed printed dipoles and a power divider. To verify the...

In this research work, a systematic approach for the synthesis of a novel dual-band matching network is proposed and applied for effective design of PA capable of maintaining high ...



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