

What are the unmanned communication equipment base stations





Overview

Can Aerial Base stations be deployed on board unmanned aerial vehicles (UAVs)?

Abstract—The deployment of Aerial Base Stations (ABSs) mounted on board Unmanned Aerial Vehicles (UAVs) is emerging as a promising technology to provide connectivity in areas where terrestrial infrastructure is insufficient or absent.

How can a base station be used in wireless communications?

I. INTRODUCTION The rapid development of the technology of unmanned aerial vehicles (UAVs) has spawned a myriad of use cases in wireless communications. One of the most prominent application scenarios involves mounting base stations on board UAVs to provide connectivity in areas where it is in-sufficient or absent.

Can UAVs be used as Aerial Base stations?

By equipping UAVs with communication units to function as aerial base stations, wireless connections can be established with ground users to improve the quality of service (QoS for short), thereby compensating for the limitations of terrestrial communication systems in terms of flexibility and coverage range.

How will next generation wireless networks be supported by unmanned aerial vehicles?

Next generation wireless networks are expected to be greatly supported by unmanned aerial vehicles, which can act as aerial base stations and constitute a promising solution for the exorbitant rise in user demands.



What are the unmanned communication equipment base stations

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