Unmanned ship emergency communication command base station

Can un-manned aerial vehicles be used as mobile base stations?
Abstract--To achieve space-air-ground-sea integrated communica-tion networks for future sixth generation (6G) communications, un-manned aerial vehicle (UAV) communications applying to maritime scenarios serving as mobile base stations have recently attracted more attentions.

Can unmanned aerial vehicles be used for maritime communication?
Unmanned aerial vehicles (UAVs) based connectivity solutions offer significant advances to support the conventional terrestrial networks. However,the use of UAVs for maritime communication is still an unexplored area of research.

Can UAVs be deployed as aerial users in maritime communication networks?
For this case,UAVs are deployed as aerial usersin the maritime communication networks,they can still face many mobility management issues,especially when there is no LoS link between the maritime base station and the aerial users .

How does a UAV communicate with a ship?
Therefore,the whole communication link can contain three parts: the line-of-sight (LoS) component denotes that UAV communicating with ship directly. The single-cluster model means that the received signals can arrive at the ship by one reflection from the rough sea surface,which can be described by single-bounce (SB) com-ponent.

In this paper, we optimize the flight path of UAV airborne base station (ABBS) in 5G emergency communication networks. Firstly, we propose the comprehensive signal loss ...

UAV-Ship and Satellite-Ship Data Links: These links deliver information from the UAV/Satellite to a sea-based reception device. These links are responsible for the data ...

Abstract--With line-of-sight mode deployment and fast response, unmanned aerial vehicle (UAV), equipped with the cutting-edge integrated sensing and communication (ISAC) ...

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The mooring UAV platform is equipped with various communication loads such as MESH (wireless grid network communication), 4G-LTE (Long term evolution fourth generation ...

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The collaborative deployment of multiple UAVs is a crucial issue in UAV-supported disaster emergency communication networks, as utilizing these UAVs as air base stations can ...

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In this paper, we investigate deployment of unmanned air vehicle base station (UAV-BS) and power allocation for maritime emergency communication systems. First,

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