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Title: Algeria investigates radio interference from 5G base stations

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This paper explores a novel approach or idea in its respective field, contributing to the advancement of knowledge and understanding.

In this study, we primarily focus on the interference of 5G base stations with radio altimeters and the fundamental 5G emission. The impact of 5G interference on radio altimeters is a novel and critical ...

The increasing deployment of 5G telecommunication networks--particularly those operating in the C-Band frequencies adjacent to the 4.2-4.4 GHz band used by radio altimeters-- has raised safety ...

The aim of the authors was to conduct experimental studies of spectrum masks of the combined 4G/5G frequency channel for different LTE channel bandwidths in real operating ...

In this manuscript, we present a novel deployment protection method aimed at safeguarding aeronautical radio altimeters (RAs) from interference caused by fifth-generation (5G) ...

This review will guide scholars to comprehend various existing and emerging interference challenges, for further exploration and mitigation for the smooth implementation of the 5G network.

Potential interference by 5G base stations operating on frequencies adjacent to the altimeters" band is of concern to the aviation sector, where it could cause disruptions and liabilities to ...

In this paper, the adjacent channel interference (ACI) between Land-Earth Station in Motion (L-ESIM), 5G base station (BS), and user equipment (UE) operating in the adjacent frequency bands is assessed.

First, to ensure reliable protection, we define both horizontal and vertical prohibited zones and investigate their variations to immunize RA against 5G interference.

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