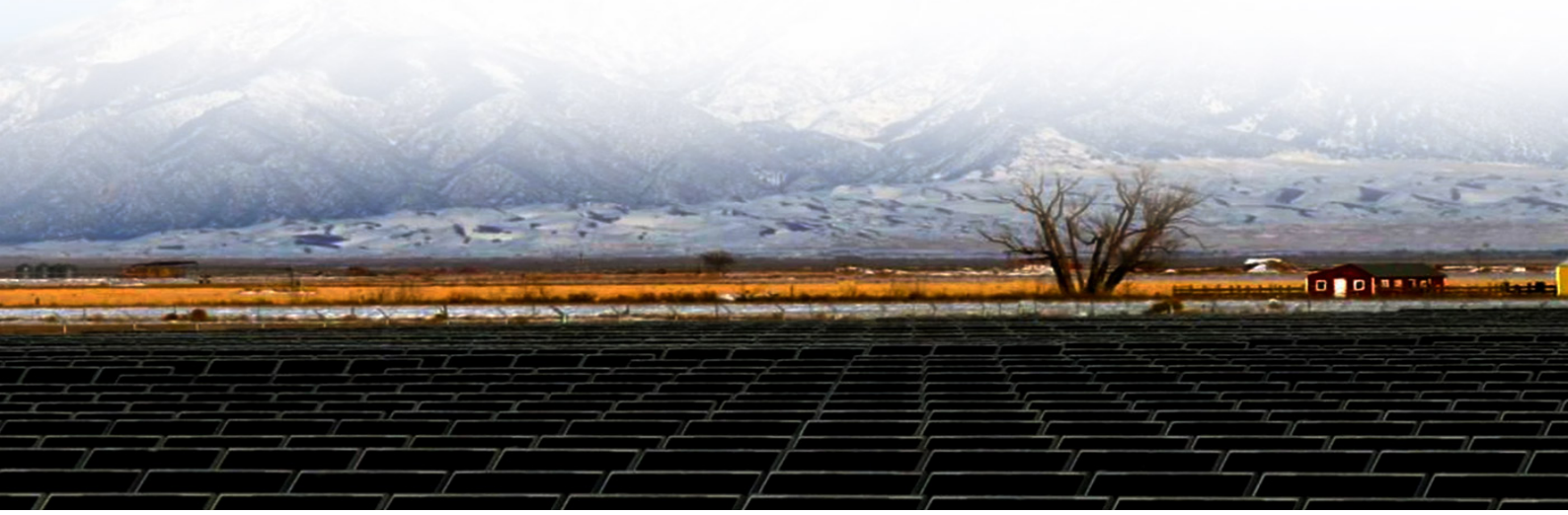
5g base station interference radio



Overview

Are 5G base stations harmful to radio altimeters?

9 Report24 found that all aircraft types and multiple operations received interference from both simulated fundamental and spurious 5G emissions. The RTCA Report concluded that “5G base stations present a isk of harmful interference to radio altimeters across all aircraft types, wi.

Are 5G base stations a threat to the aviation sector?

Conclusion 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 their commercial transport business and operations.

How can telecommunications mitigate 5G interference?

From a telecommunication perspective, technical mitigation solutions should be applied to existing 5G deployments in territories experiencing interference, as suggested in the literature. For instance, base station power levels and antenna tilt should be adjusted considering the worst-case interference scenarios.

Does 5G C-band interference affect radio altimeters?

ert for Operators (SAFO) on the Risk of Potential Adverse Effects onRadio Altimeters when Operating in the Presence of 5G C-Band Interference17. Concurrently, two Airworthiness Directives (ADs), FAA ADs 2021-23-12 and 2021-23-13,were issued: An Airworthiness Directive on altimeter interference for fixed wing air

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5G Base

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