



Côte d'Ivoire investigates radio interference from 5G base stations





Overview

How to reduce interference between 5G base stations and FSS earth stations?

To reduce the interference between 5G base stations (BSs) and FSS earth station (ES), a guard band protection method is proposed. Additionally, the distance and angular protection methods are amalgamated. The performances are evaluated by simulation in realistic 3GPP. Also, the impacts of four antenna types are analysed for a 5G BS.

Does 5G interfere with Fixed Satellite Service (FSS) earth stations?

Abstract: Widespread adoption of 5G systems may interfere with fixed satellite service (FSS) earth stations operating in nearby frequency bands. Some countries and regions are currently considering 5G services in the 3.5 GHz range.

Can guard band protection solve the interference for 5g/fss coexistence?

The numerical results show that the guard band protection can solve the interference for the 5G/FSS coexistence, when the distance protection is combined. In addition, when the hybrid protection method is employed, the coexistence between 5G BS and FSS ES is guaranteed. 1. Introduction.

Are 5G systems compatible with satellite fixed services?

The possibility of interference between 5G systems and satellite fixed services, the criteria required for compatibility studies, and the interference deterministic analysis study techniques and results of the study are then presented.



Côte d'Ivoire investigates radio interference from 5G base stations



En Côte d'Ivoire, l'attribution de la 5G altère les relations entre I

En février, lors de la Coupe d'Afrique des nations (CAN) de football, les opérateurs ivoiriens ont pu offrir l'expérience d'une connexion à la 5G à leurs clients connectés aux ...

Deployment Protection for Interference of 5G Base Stations with

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



Lancement de la 5G en Côte d'Ivoire : promesses, ...

Conséquence : le déploiement de la 5G en Côte d'Ivoire accuse des retards, malgré les avancées. Initialement, la feuille de route ...

Interference Challenges on 5G Networks: A Review

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 ...



Guard band protection for coexistence of 5G base stations and ...

To reduce the interference between 5G base stations (BSs) and FSS earth station (ES), a guard band protection method is proposed. Additionally, the distance and angular ...



Simulation of 5G interference to substation secondary equipment

This paper analyzes and deduces the electric field intensity produced by 5G base stations and terminals within substations, investigates the potential interference of 5G on secondary ...



Interference Mitigation Technology Solution for 5G Base Stations ...

Widespread adoption of 5G systems may interfere with fixed satellite service (FSS) earth stations operating in nearby frequency bands. Some countries and region.





Analysis of Electromagnetic Interference Effects of ...

With the growing demand for 5G, many countries have allocated additional spectrum above 3.7 GHz, potentially causing serious ...



Deployment Protection for Interference of 5G Base ...

First, to ensure reliable protection, we define both horizontal and vertical prohibited zones and investigate their variations to immunize ...

Analysis of Electromagnetic Interference Effects of 5G Signals on Radio

With the growing demand for 5G, many countries have allocated additional spectrum above 3.7 GHz, potentially causing serious interference to radar altimeters operating ...



Lancement de la 5G en Côte d'Ivoire : promesses, enjeux et ...

Conséquence : le déploiement de la 5G en Côte d'Ivoire accuse des retards, malgré les avancées. Initialement, la feuille de route 5G adoptée en décembre 2021 prévoyait un ...



En Côte d'Ivoire, l'attribution de la 5G altère les ...

En février, lors de la Coupe d'Afrique des nations (CAN) de football, les opérateurs ivoiriens ont pu offrir l'expérience d'une connexion ...



AUTORITE DE REGULATION DES ...

L'Autorité de Régulation des Télécommunications/TIC de Côte d'Ivoire (ARTCI) sollicite l'avis de tous les acteurs du secteur des Télécommunications/TIC et toute autre personne physique ou ...

Deployment Protection for Interference of 5G Base Stations with

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





Contact Us

For inquiries, pricing, or partnerships:

<https://www.sccd-sk.eu>

Phone: +32 2 808 71 94

Email: info@sccd-sk.eu

Scan QR code for WhatsApp.

