

SolarTech Power Solutions

Luxembourg network base station communication is unstable



Overview

A major network outage left POST Luxembourg customers unable to reach emergency services for hours on Wednesday, with the company attributing the disruption to a "technical incident" affecting its 5G infrastructure. What caused POST Luxembourg's 'technical incident'?

POST Luxembourg has identified a "technical incident" as the preliminary cause of Wednesday's widespread network outage, which left customers unable to access emergency numbers 112 and 113. Company officials released further details during a press briefing at 11am on Thursday, ruling out both a cyberattack and human errors.

Why do cellular networks need a base transceiver station?

The widespread deployment of cellular networks has improved communication access, driving economic growth and enhancing social connections across diverse regions. Base Transceiver Stations (BTSs), are foundational to mobile networks but are vulnerable to power failures, disrupting service delivery and causing user inconvenience.

Are base stations harmful?

This holds true whether the base station is part of a 2G (GSM), a 3G, a 4G (LTE) or a 5G network. The WHO states: "From all evidence accumulated so far, no adverse short- or long-term health effects have been shown to occur from the RF signals produced by base stations." (WHO fact sheet "Base stations and wireless technologies").

Can unauthorized people access a base station?

The antennas are installed in such a way that unauthorized people do not have access to the area where the limits may be exceeded. This holds true whether the base station is part of a 2G (GSM), a 3G, a 4G (LTE) or a 5G network.

How much exposure can a radio base station have?

On the ground, in houses, and other places where people reside, the exposure levels from radio base stations are normally below 1 percent of the limits. Only in the close vicinity of the antennas can the exposure limits sometimes be exceeded.

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