

Romania does not use base stations for communication





Overview

Does Romania have a potential for telecom infrastructure development?

The recent announcement by Orange and Vodafone to co-operate on an open RAN sharing deployment in Romania which will include commercial sites in a rural area close to the capital Bucharest, is an indication of the country being seen by some as having lots of potential for telecom infrastructure development.

Do mobile phones need a base station?

Mobile phones and other mobile devices require a network of base stations in order to function. The base station antennas transmit and receive RF (radio frequency) signals, or radio waves, to and from mobile phones near the base station. Without these radio waves, mobile communications would not be possible.

What is a base station antenna?

The base station antennas transmit and receive RF (radio frequency) signals, or radio waves, to and from mobile phones near the base station. Without these radio waves, mobile communications would not be possible. Radio waves have been used for communication for more than 100 years. Radio and television broadcasting are well-known examples of this.

Does Romania use Chinese technology in 5G networks?

In September 2019, the former US Ambassador to the European Union praised Romania for not using Chinese technology in its 5G networks. In January 2020, the US Embassy in Romania issued a statement emphasising that companies connected to an authoritarian government like China could not be trusted.

Why are base stations important in cellular communication?

Base stations are important in the cellular communication as it facilitate seamless communication between mobile devices and the network



communication. The demand for efficient data transmission are increased as we are advancing towards new technologies such as 5G and other data intensive applications.

Are radio base stations harmful?

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”) Mobile phones and mobile devices require a network of radio base stations to function.



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