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Title: The role of high-power outdoor base stations

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Why do we need a base station?

Technological advancements: The New technologies result in evolved base stations that support upgrades and enhancements such as 4G,5G and beyond,its providing faster speeds with better bandwidth. Emergency services: They provide access to emergency services,so that in case of emergency,people can call through their mobile phones.

How does a base station work?

Base stations typically have a transceiver,capable of sending and receiving wireless signals; Otherwise if they only send the trailer it will be considered a transmitter or broadcast point only. The base station will have one or more RF antennas installed to transmit and receive RF signals from other devices.

What is a wireless base station?

A base station represents an access point for a wireless device to communicate within its coverage area. It usually connects the device to other networks or devices through a dedicated high bandwidth wire of fiber optic connection. Base stations typically have a transceiver,capable of sending and receiving wireless signals;

Why do we need more base station antennas?

As the number of mobile devices in a community grows,more base stations are needed. For that reason,more antennas are needed in such crowded locations as shopping malls where there are many mobile phone users. However,the shorter the distance between base station antennas,the lower the output power of each antenna.

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