

Base station power construction technical specifications





Overview

What is a base station power system?

The base station power system serves as a continuous "blood supply pump station," responsible for AC/DC conversion, filtering, voltage stabilization, and backup power. Its purpose is to ensure the uninterrupted operation of base station equipment.

What is the output power of a base station?

Output power of the Base Station is the mean power delivered to a load with resistance equal to the nominal load impedance of the transmitter. The maximum total output power, P_{max} , of the Base Station is the mean power level measured at the antenna connector during the transmitter ON period in a specified reference condition.

What are the performance and evaluation requirements for new radio base station?

This specification sets out the performance and evaluation requirements for New Radio (NR) Base Station (BS) for mobile communications services (hereafter referred to as "the equipment"). 2. 3. For equipment operating in the 3400 – 3600 MHz and 4800 – 4960 MHz bands, any unwanted emissions in the 3700 – 4200 MHz band shall not exceed -52 dBm/MHz.

What is the main base station equipment connection diagram?

The Core Layout: Main Base Station Equipment Connection Diagram The connection diagram provides a clear overview of how the main base station equipment operates within the network. Surrounding this central "brain" are the "Four Guardians" that ensure seamless functionality:



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HKCA 1082 Issue 2

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6.2 Base Station output power - TechSpec

6.2.1 Base Station maximum output power 6.2.1.1 Definition and applicability Output power of the Base Station is the mean power delivered to a load with resistance equal to the nominal load ...

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