
Base station outdoor installation environment inspection

What is a base station tower inspection?

The personnel climb the base station tower to perform close-range inspection on the tower body, antenna, feeder, bracket and other components, which is a long-term, high-intensity and high-altitude operation. Low efficiency and high cost.

What is a base station inspection?

The changes being experienced in weather conditions and the aging of materials may cause damage to the base station including toppling of the tower body or antenna, cable breakage, structural corrosion, etc. Timely and periodic inspections are necessary for the network operators. The typical base station inspection (BSI) services include:

What are base station active antenna system standards?

Our latest "Recommendation on Base Station Active Antenna System Standards" provides the industry with an updated set of parameter definitions, measurement methodologies and reporting processes. This enables a uniform way to describe the electrical and mechanical characteristics of the network side of the radio link (the "base station antenna").

Why do we need active base station antennas?

By using such a common approach describing active base station antennas, mobile networks can be better and more cost-effectively planned, engineered, and operated to ensure the high-quality mobile service that users, businesses and industry demand.

Outdoor communication base stations, especially those installed in remote areas, are exposed to harsh geological environment, having threats from sand, dust, rain, and scorching sunlight,
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Summary The changes being experienced in weather conditions and the aging of materials may cause damage to base stations, which will affect network service quality and even cause
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The construction of the information management concept of inspection report is realized, and a set of solutions that can be implemented on the ground is provided to improve ...

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Background measurement is the measurement of environmental elec-tromagnetic field (EMF) before the installation of 5G base station while the working measurement is the ...

Installation and the upgrading of base stations are underway to expand to 5G coverage. To ensure stable communication between a base station and connect with the stability of mobile ...

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