

Title: Communication Green Base Station Inspection Requirements

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What are 3GPP base stations conformance standards?

Based on the 3GPP base station conformance specifications, regional standardization bodies, local regulators and network operators implement test standards according to their needs. Base stations need to pass conformance tests in the region where they will be installed before they can start operation in the field.

Do base stations need to pass conformance tests?

Base stations need to pass conformance tests in the region where they will be installed before they can start operation in the field. For base stations the 3GPP specification TS 38.141 covers transmitter and receiver characteristics of base stations as well as receiver performance under noise and fading conditions.

Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

Do radio stations have to be inspected?

Whether you operate an amateur station or any other radio device, your authorization from the Commission comes with the obligation to allow inspection. Even radio stations licensed under a "blanket" rule or approval, such as Citizen's Band (CB) Radio, are subject to the Commission's inspection requirement.

In the context of global low-carbon development and rapid development of information and communication infrastructure, the green development of base station site is crucial. Energy ...

We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

Outline the commissioning process, commissioning team members and responsibilities, lines of communication, and documentation requirements for the design phase of the project in the ...

Based on ZigBee technology, a real-time monitoring system for the base station environment is designed in this paper, which enables the operation and maintenance personnel to remotely ...

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