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Title: Base station communication equipment testing specifications

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What are the technical specifications for mobile broadband base station Radio Frequency equipment?

Technical Specifications for Mobile Broadband Base Station Radio Frequency Equipment 1. Legal Basis The Specifications are established on Paragraph 2, Article 66 of the Telecommunications Management Act. 2. Definitions and Abbreviations: 2.1 Definitions: NTXU, counted per cell: Number of active transmission units in a single cell.

Why do base stations need a conformance test?

Base stations must now pass new conformance tests to ensure they deliver on their promises. Performing conformance testing is an important part of the base station lifecycle, which requires a thorough understanding of 3rd generation partnership project (3GPP) specifications.

What are 3GPP base station conformance testing requirements?

We start with a quick overview of 3GPP base station conformance testing requirements. 3GPP defines the radio frequency (RF) conformance test methods and requirements for NR base stations in the technical specification TS 38.141, which covers transmitter (Tx), receiver (Rx), and performance (Px) testing.

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.

These criteria are specified by the mobile communication standardization body 3GPP. Based on the 3GPP base station conformance specifications, regional standardization bodies, local ...

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