

## A-Core Container

# 5G communication base station wind power monitoring standards



## Overview

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Can EMC communicate with a 5G network?

However, the communication operator builds the BS to complement the 5G signal, and the establishment of a communication BS does not mean the establishment of a dedicated power wireless network. EMC can also communicate by accessing a normal 5G network but at a reduced reliability and transmission rate.

How many 5G Bs are there in China?

China has deployed 690,000 5G BSs, and the number of terminal connections exceeds 180 million.

How to evaluate the quality of a wireless network?

To evaluate the quality of each communication, the CR and DTR are selected as indicators. The CR between the base station and the EMC in a dedicated power wireless network satisfies a specific value  $\alpha$ , which has been specifically discussed in 21. The users' information transmission rates are greater than a given threshold  $\beta$  (Mbps).

What is 3GPP TS 37 105?

3GPP TS 37.105: "Active Antenna System (AAS) Base Station (BS) transmission and reception". SM.329". 3GPP TS 38.101-4: "NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements".

What is the bandwidth assigned to each EMC?

The bandwidth assigned to each EMC is B/K. SNR modelling will be introduced in detail in the subsequent text.

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