

San Diego Radio Group 5G Base Station





Overview

What are the different types of 5G NR base stations?

This article describes the different classes or types of 5G NR Base Stations (BS), including BS Type 1-C, BS Type 1-H, BS Type 1-O, and BS Type 2-O. 5G NR (New Radio) is the latest wireless cellular standard, succeeding LTE/LTE-A. It adheres to 3GPP specifications from Release 15 onwards. In 5G NR, the Base Station (BS) is referred to as a gNB.

What is 5G NR BS?

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Can a software-defined radio module be used as a base station?

This article presents the potential applications and scenarios for the implementation of a software-defined radio (SDR) module operating as a base station in 4G/5G networks. The paper presents test configurations of the srsRAN software environment in conjunction with various types of programmable radio modules.



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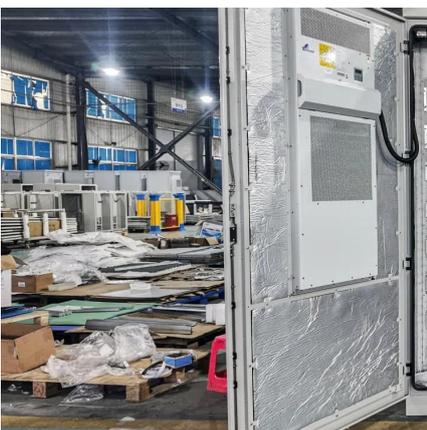
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Live from San Diego, 3GPP sets out to expand 5G into new ...

The first milestone was the completion of the 5G NR specifications for standalone (SA) mode. It is the culmination of the joint efforts from the different 3GPP working groups (RAN -- Radio ...

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