Does the AAU in communication refer to the base station

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What is the difference between AAU and RRU in a communication base station?
What are the functions and differences between AAU and RRU in a communication base station? AAU,active antenna processing unit,is a new type of equipment introduced by the 5G network framework,and has certain functional differences from RRU (Radio Frequency Remote Unit).

What is AAU (active antenna processing unit)?
AAU (Active Antenna Processing Unit) is a new type of equipment introduced by the 5G network framework,and has certain functional differences from RRU (Remote Radio Unit). RRU (Radio Frequency Remote Function) appeared in the 3G era. As early as the 2G era,the base station was also called BTS (Base Transceiver Station).

What are active antenna units (AAUs)?
The advent of Active Antenna Units (AAUs) marked a paradigm shift in base station architecture. AAUs replace the standard antennato integrate multiple functionalities into a single,compact unit,consolidating the antenna,radio transceiver,and digital signal processing capabilities.

Does AAU add a BBU function?
AAU also adds some BBU functions. In the 5G era,not only is the RRU and the antenna integrated into an AAU,but the physical structure of the BBU has also evolved into a CU (centralized unit) and DU (distributed unit) due to the network framework changed by 5G.

The AAU integrates the RF unit and antenna unit. If the eCPRI interface is used, the AAU also contains some underlying processing functions at the physical layer.

The base station is comprised of two main components: the active antenna unit (AAU) and the baseband unit (BBU) (see Figure 1). The AAU receives and transmits the radio signals that ...

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In this context, the device that integrates the RRU and the antenna, the AAU (Active Antenna Unit), came into being. The term "active" refers to the fact that these antenna ...

What are the functions and differences between AAU and RRU in a communication base station? AAU, active antenna processing unit, is a new type of equipment ...

Based on the above components, they work in collaboration to form a base station that transmits signals. With multiple base stations composing a tightly connected network, ...

In the 5G era, the structure of the base station has undergone new changes, and a new device AAU has appeared. The reason why ...

Mostly used in 4G LTE setups to improve efficiency and reduce signal loss. ? AAU (Active Antenna Unit) Combines RRU and antenna into one integrated unit.

The Active Antenna Unit (AAU) is a fundamental element in the radio access network (RAN) of a 5G network. Its primary purpose is to enhance the efficiency and ...

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In the 5G era, the structure of the base station has undergone new changes, and a new device AAU has appeared. The reason why AAU appeared in 5G is actually because 5G ...

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