

# Huawei 5g base station consumes 5 watts of power

Source: <https://halkidiki-sarti.eu/Sat-22-Dec-2018-3304.html>

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Generated on: 2026-03-22 11:58:07

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How much power does a 5G station use?

The power consumption of a single 5G station is 2.5 to 3.5 times higher than that of a single 4G station. The main factor behind this increase in 5G power consumption is the high power usage of the active antenna unit (AAU). Under a full workload, a single station uses nearly 3700W.

Why does 5G use more power than 4G?

The data here all comes from operators on the front lines, and we can draw the following valuable conclusions: The power consumption of a single 5G station is 2.5 to 3.5 times higher than that of a single 4G station. The main factor behind this increase in 5G power consumption is the high power usage of the active antenna unit (AAU).

How will a 5G network increase power consumption?

In the 5G network, low-frequency and high-frequency bands will be deployed together. To meet the service requirements of increasing network capacity, a large number of end sites will be deployed. The number of network sites will increase greatly, and the power consumption of the entire network will increase exponentially.

How much power will 5G use in 2023?

Multiple bands in one site will be the typical configuration in the 5G era. The proportion of sites with more than five bands will increase from 3% in 2016 to 45% in 2023. As a result, the maximum power consumption of a site will be higher than 10 kW, in a site where there is more than 10 bands, the power consumption will exceed 20 kW.

The power consumption per unit of traffic (Watt/bit) is greatly decreased, but the power consumption of 5G increases greatly compared to that of 4G. Noticeably, in the 5G era, the ...

Today, Huawei will have a new "0 Bit 0 Watt" 5G network base station next month, which could stand by at the lowest power consumption of 5W equal to a light bulb.

The 5W ultra-low power 5G base station released this time is undoubtedly another important breakthrough for Huawei in the 5G field. The base station has a highly intelligent sleep mode ...

Huawei and ZTE's 5G base stations have a 100% load power consumption of 3852.5W and 3674.85W, respectively, while ZTE's 4G base station has a power consumption ...

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Huawei has recently revealed that they will be releasing a 5W ultra-low power 5G base station at the forum, which they are calling "the industry"s exclusive 0 Bit 0 Watt" due to ...

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