

# Ljubljana Mobile 5G Base Station Power Consumption

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"Despite 5G consuming less power than 4G per unit of traffic, the overall energy consumption is still much higher, driven by more power-thirsty radios and network densification.

To understand this, we need to look closer at the base station power consumption characteristics (Figure 3). The model shows that there is significant energy consumption in the ...

This paper proposes a power control algorithm based on energy efficiency, which combines cell breathing technology and base station sleep technology to reduce base station energy ...

Importantly, this study item indicates that new 5G power consumption models are needed to accurately develop and optimize new energy saving solutions, while also considering the ...

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