

# Review of: "Optimized Low-Powered Wide Area Network within Internet of Things"

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**Potential competing interests:** No potential competing interests to declare.

There is important information that is covered superficially.

The energy analysis is poorly presented. The authors have to justify why the consumption they obtain is in the range of atto joules when the typical energy consumption of Lora nodes is in the mamps.

The model used to simulate in Matlab is not presented well.

There is no comparison of simulation results with real results.

In the end, the work is a set of graphs with results that have not been justified.

The use of English needs improvement