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.

Clear Problem Statement: The paper should provide a more explicit and concise problem statement at the beginning to ensure readers understand the research's core focus and significance.

Methodology Clarity: Improve the clarity of the methodology section, providing step-by-step explanations of how the simulations were conducted, including parameters, assumptions, and data sources.

Data Validation: Ensure the data used in simulations and experiments is validated or sourced from reliable and representative IoT scenarios to enhance the study's credibility.

Optimization Explanation: Elaborate on how particle swarm optimization algorithms were applied, what parameters were optimized, and how this process contributes to energy conservation in LoRa networks.

Graphical Representation: Include visual aids, such as flowcharts or diagrams, to help readers better understand the proposed LoRa power consumption model and spreading factor allocation.

Real-World Application: Discuss practical applications or scenarios where the proposed model and optimization techniques can be applied in real IoT deployments, providing a stronger link to real-world benefits.

Limitations and Assumptions: Clearly outline the limitations of the study, including any assumptions made during the simulations, and discuss potential sources of error.

Future Research Directions: Suggest specific avenues for future research and development that could build upon the findings of this study, expanding its impact.

Conclusion Enhancement: Strengthen the paper's conclusion by summarizing key findings, their implications, and the overall contribution to the field of IoT energy conservation more clearly.

By addressing these critical points, the paper can undergo a major revision that enhances its clarity, rigor, and contribution to the field of IoT energy conservation.