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.

Abbreviation Usage Error:

- The use of abbreviations in the manuscript is incorrect.

  - The term "LPWANs" is introduced in the abstract but is defined in the 4th paragraph of the introduction, which is inconsistent. Furthermore, it is defined twice within the same paragraph. This repetition detracts from the scholarly quality of the paper. Additionally, "LPWANs" are defined again twice in the last paragraph of section 2, which is unprofessional and inappropriate for an academic work.
  - The acronym "RFID" is initially introduced in the first two lines of the introduction but is not defined until the second paragraph. This can be confusing for readers and should be addressed.
  - The term "LoRa" is not explained until section 1.6. This delay in providing essential definitions can impede the reader's understanding and should be rectified.

Excessive Content in Introduction:

- The introduction contains a surplus of content, particularly emphasizing the rapid development and expanding scale of LPWANs. It is recommended to consolidate the introduction into a single section rather than using subsections. This will help reduce redundancy and allow for a more detailed discussion of the novelty and optimization aspects of your work.

Utilize MATLAB's Export Function:

- Instead of resorting to screenshots, it is advisable to utilize MATLAB's built-in image export functions. MATLAB offers tools for exporting images directly. This will ensure the clarity and professional quality of the figures in the manuscript. **DO NOT** use screenshots.

Consistency in Figure Labels:

- Figures 4.4, 4.5, 4.7, and 4.8 all represent the same dependent variable, namely "the number of nodes." The use of the abbreviation "NO" for this variable seems unnecessary and can be confusing. Please maintain consistency in the labeling and avoid the sporadic use of a dot next to "NO." Precision and clarity in figure labels are essential.