

Peer Review

Review of: "Quantum Meets SAR: A Novel Range-Doppler Algorithm for Next-Gen Earth Observation"

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Dear Author,

1. This work demonstrates the feasibility of quantum acceleration for **Earth observation** applications.
2. The idea of the research has an innovative approach. The abstract of the paper needs to be reframed.
3. In the results section, the author has mentioned Qiskit's statevector simulator, which is currently not available. The author has to elaborate more on the above-mentioned quantum hardware for simulation.
4. It would be beneficial to include a hardware test of the method in a small form to raise the paper's caliber and legitimacy.
5. The results section does not properly justify the quantum and classical results and the comparison.
6. The author has to provide results and implementation details in a more elaborative manner.
7. I trust this evaluation motivates the authors to amend and enhance future editions. Best of luck!

Declarations

Potential competing interests: No potential competing interests to declare.