

# Review of: "Investigations on Input Impedance and Radiation Pattern of a UWB Antenna for Microwave Imaging"

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

The paper is well written, but there are some important factors that should be considered.

1. Improve the literature work. Add some work from multiband and UWB to show the worth of your work. Here, I suggest some papers you can consider to improve the literature. (i) 10.1109/USNC-URSI52151.2023.10237850 (ii) <https://doi.org/10.1016/j.heliyon.2023.e17404> (iii) <https://doi.org/10.1016/j.heliyon.2023.e21419> (iv) <https://doi.org/10.3390/mi14030591>
2. Add a comparison table to compare your work with literature work. Consider size, operational bandwidth, gain, efficiency, and design approach.
3. Add some clear images of the antenna, replace figure 2, and show the front and back sides of the antenna.
4. Add simulated and measured radiation patterns in the same figure to express comparison.
5. There are 3 different antennas given in one paper. Why?
6. Compare the results of all three antennas and show which one is the best.